





























2017 PERFORMANCE PRODUCT GUIDE

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TO OUR CUSTOMERS:

As Moroso approaches our 50th Anniversary, I wanted to say "Thank You" to every racer and enthusiast who has purchased a Moroso or Competition Engineering product through the years. We don't answer to a board of directors or to what Wall Street dictates—only the desire to produce quality products that we would put on our own cars.

As in racing and life, we know that we can't rest on our laurels and we must keep evolving. This evolution not only makes us more efficient in different aspects of the business but also in meeting the needs of our customers. Before a new product design makes it to the product line, it is thoroughly tested and proven beforehand.

Being a company that is mostly comprised of racers and enthusiasts ourselves, we understand that sometimes the greatest challenge in racing is getting the car ready for the race itself. We always want to be that company that makes this task easier. At the track, we want our company's products to help lead the charge in having the car perform at its peak, session after session.

Whether at the race track or a car show, we take great pride in hearing our customers' stories of how a Moroso/Competition Engineering product has helped them. Our pledge is to continue this tradition of offering top performing products that you can feel good about installing. Please share your experiences and race stories—they are instrumental in improving products today and exceeding expectations in the future.

Rick Moroso President & Owner

RACE SUPPORT & CONTINGENCY

Since the beginning of Moroso Performance Products, our knowledgeable staff has been at the track helping racers with our advice and even our helping hand. Our race support trailers can be seen at divisional races all throughout the country and at specialized events. Racers and race fans have come to rely on the expertise and

Whether you need help choosing the exact part for a future application, need to replace a part in the heat of battle or need expert technical advice on one of our products, our team is ready to help you get on the right track. Besides helping racers on the track with the parts they need, we also help their wallets with Contingency Programs for

FOR CURRENT CONTINGENCY PROGRAM INFORMATION, PLEASE VISIT THE CONTINGENCY LINK ON OUR WEBSITES: OR CONTACT

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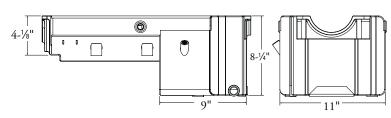
CHEVROLET SMALL BLOCK

Aluminum, Wet Sump, 8 Quart Capacity, 8-1/4" Deep Engine Application: Pre-1985 Engine Blocks including Dart and Merlin Fits: Super Stock/Bracket Cars, Dragsters, Roadsters or Body Cars with wet sump oil systems

- Aluminum, fully fabricated oil pan accepts 4.25" strokes with steel rods
- Double kick-out design ensures large stroke clearance, wide main cap clearance and maximum horsepower
- Billet end seals ensure consistent sealing surface to billet front covers and rear main caps
- For use with 168-tooth flywheel combination
- Solid lourvered tray for maximum power and oil control
- Features 0-ring magnetic drain plug, two ½" drain backs and dipstick bung

PART # DESCRIPTION

21234 Oil Pan, SBC, Two Piece Rear Main Seal Engine Blocks









GM LS SERIES. REAR SUMP SWAP, NARROW SUMP

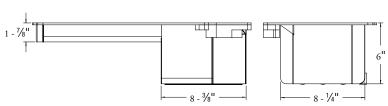
Steel, Wet Sump, 5 Quart Capacity, 6" Deep, 8-1/4" Wide, 8-3/8" Long Engine Application: GM LS Series

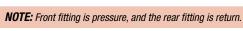
Fits: LS Engine Conversions that require a narrower Rear Sump (Check Measurements) for "Block Hugger" headers

- Oil pan has a thick precision laser cut steel rail with a durable fabricated steel sump plated with a clear zinc finish
- Fabricated, durable steel construction is more adaptable to add fittings, change finishes and weighs less than cast aluminum construction
- Clears 4.125" stroke with most steel rods and can be used with Moroso No. 22941 Windage Tray
- Front of the oil pan is $1-\frac{7}{8}$ " deep to the beginning of the 6" Deep, $8-\frac{7}{4}$ " Wide, and $8-\frac{3}{8}$ " Long sump
- · Anti-climb baffle
- Features a detachable, remote oil filter adapter constructed out of billet aluminum with two straight –10AN ports
- Designed to be used with Moroso No. 24050 Oil Pump Pickup
- Magnetic drain plug and uses a stock dipstick

PART # DESCRIPTION

20147 Oil Pan GM LS, Rear Sump, Swap, Fully Fabricated, Steel, Remote Oil Filter











GM LS SERIES. REAR SUMP SWAP

Steel, Wet Sump, 5 Quart Capacity, 6" Deep, 8-1/4" Wide, 8-3/8" Long

Engine Application: GM LS Series

Fits: LS Engine Conversions that require a narrower Rear Sump (Check Measurements) for "Block Hugger" headers

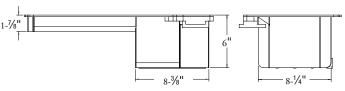


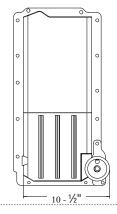
• Oil pan has a thick precision laser cut steel rail with a durable fabricated steel sump plated with a clear zinc finish

- Fabricated, durable steel construction is more adaptable to add fittings, change finishes and weighs less than cast aluminum construction
- Clears 4.25" stroke with most steel rods
- Front of the oil pan is 1-1/8" deep to the beginning of the 6" Deep, 8-1/4" Wide, and 8-3/8" Long sump
- Anti-climb baffle
- Features a detachable, billet aluminum adapter that allows a 13/16" thread Moroso No. 22462 or O.E.M. oil filter to be mounted in the stock location, no need to run a remote oil filter
- Accepts Moroso No. 22941 Windage Tray
- Designed to be used with Moroso No. 24050 Oil Pump Pickup
- Magnetic drain plug and uses a stock dipstick

DESCRIPTION PART

20150 GM LS, Rear Sump, Swap, Fully Fabricated, Steel, Spin-On Oil Filter, Oil Pan







GM LS SERIES, REAR SUMP SWAP, ROAD RACE BAFFLED. REMOTE FILTER

Steel, Wet Sump, 7 Quart Capacity Engine Application: GM LS Series

Fits: 1968-'72 Nova, 1965-'72 Chevelle, 1967-'69 Camaro, Can also be used in additional applications; check dimensions for clearance

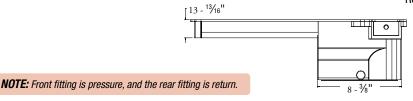
- Oil pan has a thick precision laser cut steel rail with a clear zinc finish
- Clears 4.125" stroke with most steel rods and can be used with Moroso No. 22941 Windage Tray
- Front of the oil pan is 1-3/4" deep to the beginning of the 6" deep sump
- The sump is 9-11/16" long and 10-1/4" wide
- Features a race proven diamond shape four trap door assembly and antislosh baffle that keeps oil contained in oil pump pick up area during road racing and drag racing
- The 7 Quart Capacity moves the oil away from the rotating assembly for
- oil control and horsepower saving
- Included billet aluminum adapter with two straight -10AN ports for remote filter installation
- Uses stock dipstick

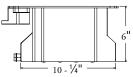




PART# 20148

DESCRIPTION Oil Pan GM LS Camaro/Swap, Road Race, Remote Filter

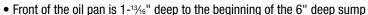




GM LS CAMARO/SWAP, FOR WINDAGE TRAY, ROAD RACE, REMOTE FILTER

Steel, Wet Sump, 7 Quart Capacity Engine Application: GM LS Series

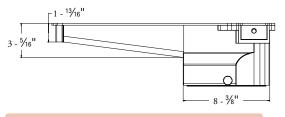
Fits: Rear sump applications and swap conversions that have clearance for an oil pan that is deeper in a cross-member area, check dimensions for clearance

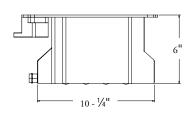


- The sump is 8-3/8" long and 10 1/4" wide with a 7 Quart Capacity
- Oil pan has a 3/16" thick precision laser cut steel rail
- Clears 4.125" stroke with most steel rods and can be used with Moroso No. 22941 Windage Tray
- Features a race proven diamond shape four trap door assembly and anti-slosh baffle that keeps oil contained in oil pump pick up area during road racing and drag racing
- Included billet aluminum adapter with Two straight –10AN ports for remote filter installation
- Uses stock dipstick

PART # DESCRIPTION

20149 Oil Pan, GM LS, Camaro/Swap, For Windage Tray, Road Race, Remote Filter





MOROSO



No. 20149

NOTE: Front fitting is pressure, and the rear fitting is return.

DART LS NEXT

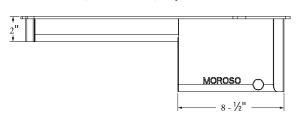
Steel, Wet Sump, 7 Quart Capacity, 6" Deep, Baffled Engine Application: Dart LS Next Non-skirted Engine Blocks with Moroso Billet Aluminum Spacer Kit

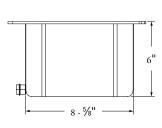
Fits: 1967-'92 Camaro, 1968-'78 Nova, 1965-'72 Chevelle,1953-'96 Corvette, 1978-'88 G-Body, and GM S10/S15 Two Wheel Drive Blazer/Truck

- Pan does not include Moroso Oil Pan Spacer Kit No. 22934
- Oil pan has a ¾6" thick precision laser cut steel rail specifically designed for the LS Next Engine Block
- Features a trap door baffle and a removable windage tray that wraps around the oil pump for horsepower savings and oil control
- Has a 16 gauge steel sump to stand up to the toughest racing conditions
- Front of the oil pan is 2" deep to the beginning of the 6" deep sump
- The sump is 8-1/2" long and 8-5/8" wide
- Clears 4.125" stroke with most steel rods

PART # DESCRIPTION

20151 Oil Pan, DART LS NEXT, Fully Fabricated Steel





MOROSO





Aluminum, Wet Sump, 5 Quart Capacity, 5-1/8" Deep, 8-5/8" Wide, 8-1/2" Long

Engine Application: GM LT Series

Fits: LT Engine Conversions that require a Rear Sump (Check Measurements)

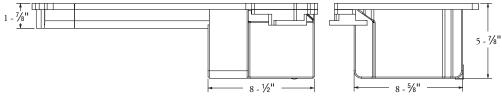
- Due to the O.E.M. GM LT oil pans having the oil pump pick up built into the oil pan, our LT oil pan has a thick billet aluminum O-ringed rail incorporates a removable pick up, a billet front sump and a location to mount our billet aluminum spin-on oil filter adapter
- Fabricated aluminum construction is more adaptable to add fittings, change finishes and weighs less than cast aluminum construction
- Front of the oil pan is 1-1/8" deep to the beginning of the 5-\%" Deep, 8-\%" Wide, and 8-\\2" Long sump
- Features a trap door baffle and a removable windage tray that wraps around the oil pump pick up for horsepower savings and oil control
- Includes a billet aluminum adapter that allows a 22mm thread Moroso No. 22463 Racing or O.E.M. oil filter to be mounted in the stock location, no need to run a remote oil filter
- For dipstick, use GM part No.12643278 dipstick and GM part No.12652951 dipstick tube



20155 Oil Pan, GM LT, Rear Sump, Swap, Aluminum







CHRYSLER 361-440. 426 HEMI

Steel, Wet Sump, 5 Quart Capacity, 5" Deep Engine Application: 361-440 and 426 Street Hemi

Fits: Work well in chassis with extra-low front suspensions, Will not fit 1962-'65 production chassis and is not recommended for

racing applications due to it's shallow sump design

Anti-slosh baffling

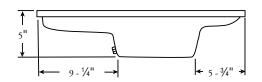
Compatible with most starter/flywheel combinations

PART # DESCRIPTION

Oil Pan, Chrysler 361-440, 426 Hemi 20766

Part# **Recommended Pickup** 24766 Fits: Stock R/RB Pumps





FORD 4.6/5.4L

Steel, Wet Sump, 7 Quart Capacity, 4" Deep Engine Application: 4.6/5.4L SOHC/DOHC Fits: Cobra Kit Cars that require a rear sump oil pan

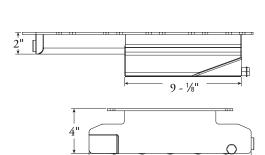
- For Ford 4.6/5.4 SOHC/DOHC
- Designed for Cobra Replicas that require a shallow rear sump oil pan
- Features a race proven four trap door assembly and anti-slosh baffle that keeps oil contained in oil pump pick up area during road racing and drag racing
- Steel with a clear zinc finish
- Oil pan has a thick steel rail with a 4" deep, 9-1/8" long by 14-1/2" wide rear sump
- Designed to be used with the Moroso No. 22933 windage trav
- Uses the factory Mustang Dipstick
- Extra capacity; holds 1 more quart that the Mustang O.E.M. oil pan
- ½" NPT fitting for supercharger drain back
- 1/2" NPT fitting for oil temperature sender

20549 Oil Pan, Steel, Ford 4.6/5.4 Modular, Cobra Replica Race Baffled

PART # RECOMMENDED PICKUP

24547 Fits: Factory 4.6/5.4, 2 Valve Engine Oil Pumps24548 Fits: Factory 4.6/5.4, 4 Valve Engine Oil Pumps

PART # AVAILABE OIL PAN OPTION 22933 Louvered Windage Tray 4.6/5.4 93164 Oil Pan Gasket, Ford 4.6/5.4



14 - 1/21

ACURA/HONDA K-SERIES

Steel, Wet Sump, Race Baffled, Notched for Cross member clearance

Engine Application: Acura/Honda K-Series

Fits: Notched to fit in ACURA/HONDA K-SERIES, RSX (DC5) 2002-'06, TSX (CL9) 2004-'08, Civic SI (EP3) 2002-'05, Accord (CG) 1998-'02, Accord 2003-'07 and also fits K-series Engine Swaps into Integra (DA) 1990-'93, Integra (DC) 1994-'01, Accord (CB) 1990-'93, Accord (CD) 1994-'97, Civic/CRX (EF) 1988-'91, Civic (EG) 1992-'95, Civic (EK) 1996-'00, Civic (ES) 2001-'05, Fit (GD) 2007-'08, Prelude (BB) 1992-'96

- To be used with the Acura RSX oil pump assembly* 0EM Part # 15100-PRB-A01 and Acura RSX Windage Tray 0EM Part # 11211-PNC-000
- Oil pan has a thick steel rail with a sump that is 5-½" deep, 16-¾" long and 9" wide
- Features a race proven trap door assembly and anti-slosh baffle that keeps oil contained in oil pump pick up area during road racing and drag racing
- Extra capacity: holds one more quart than stock
- ½" NPT fitting for supercharger or turbo drain back
- ½" NPT fitting for oil temperature sender
- · Magnetic drain plug

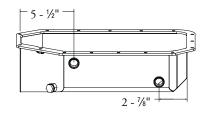
PART # DESCRIPTION

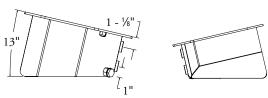
20919 Oil Pan, Fabricated Steel, Clear Zinc, Race Baffled Notched for Cross member clearance



No. 20919

No. 20549





MITSUBISHI EVO 2, 8, 9, ROAD RACE BAFFLED

Aluminum, Wet Sump, 6.5 Quart Capacity Engine Application: Mitsubishi 4G63T I4 Race Baffled Fits: 2001-2007 Mitsubishi Evo, 7, 8, 9 with aftermarket lower intercooler pipe

- Has a ¾" thick billet aluminum oil pan rail with a fabricated aluminum sump that is ¾" deeper than the stock oil pan
- Features a race-proven, trap door assembly and an anti-slosh baffle that keeps oil contained in the oil pump pick up area during road racing and drag racing
- To free up horsepower and to help with oil temps, the oil pan also features a removable windage tray and crank scraper
- Holds 1.5 more quarts than stock, 6.5 quart capacity
- Has an accommodation for stock or aftermarket oil return lines
- Includes a heavy duty, bolt-on oil pump pick up
- Magnetic drain plug and a mounting kit comprised of hex drive steel studs and serrated flange nuts are included
- · Uses stock dipstick
- 1/2" NPT fitting for oil temperature sender







PART # DESCRIPTION

20967 Oil Pan, Fabricated Aluminum, Race Baffled for Mitsubishi Evo, 7, 8, 9

OIL PUMP PICKUP, BBC OIL PUMP IN MOROSO NO. 21330 OIL PAN

Fits: Moroso **Nos. 22149, 22159, 22150, 22160 & 22162** and Melling 77/77HV style oil pumps

 To be used when a BBC oil pump is being used with a Moroso No. 21330 SBC Wet Sump Sprint Car Oil Pan

PART # DESCRIPTION

24325 Fits: Moroso Nos. 22149, 22159, 22150, 22160 & 22162 and Melling 77/77HV style oil pumps

EXTERNAL OIL PUMP. SINGLE STAGE. FUEL PUMP DRIVE

Driver's/Left Side Door Car Style Bracket

- Rear 3/8" hex fuel pump drive with 1:1 ratio that accepts the popular 1.450 ID,
 3 bolt, fuel pump swivel clamps
- Spur gear 1.200 pressure section
- Light weight and efficient
- · Includes all necessary fittings
- External oil pumps run cooler than internal pumps and features an external bypass for ease of adjustment
- · Priming your engines oil systems is made simpler
- External pumps eliminate the spark scatter and camshaft loads that come with an internal pump



22361 External Oil Pump, with Fuel Pump Drive, Left Side Bracket, 1.200 Pressure



No. 22361



EXTERNAL OIL PUMP, TWO STAGE, FUEL PUMP DRIVE

Driver's/Left Side Door Car Style Bracket

An expansion to our popular line of external oil pumps. This pump gives you the option of scavenging oil from the oil pan with one stage and using the second stage to scavenge oil from turbos or superchargers and/or pull vacuum.

- Rear 3/8" hex fuel pump drive with 1:1 ratio that accepts the popular 1.450 ID, 3 bolt, fuel pump swivel clamps
- Spur gear 1.200 pressure section
- · Light weight and efficient
- Includes all necessary fittings
- External oil pumps run cooler than internal pumps and features an external bypass for ease of adjustment
- · Priming your engine's oiling systems is made simpler
- External pumps can help eliminate the spark scatter and camshaft loads that come with an internal pump



No. 22362



PART # DESCRIPTION

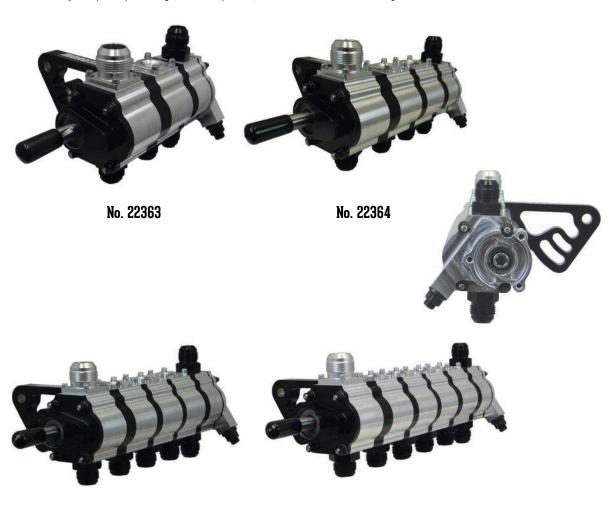
22362 External Oil Pump, Two Stage, Fuel Pump Drive, Left Side Bracket, 1.200/Pressure 1.700 Scavenge

DRY SUMP PUMPS, TRI-LOBE, FUEL PUMP DRIVE

Driver's/Left Side Door Car Style Bracket

- Rear 3/8" hex fuel pump drive with 1:1 ratio that accepts the popular 1.450 ID, 3 bolt, fuel pump swivel clamps
- Tri-lobe aluminum scavenge sections featuring individual timing gears to ensure proper clearance at the highest of RPM's
- Spur gear pressure section based off Moroso's billet wet sump pump design
- Variable spring rates optimize your oil pressure for smooth, reliable oil pressure readings
- Saves weight and make big crankcase vacuum
- Multiple #16 outlet options for fitment requirement
- Pumps weights almost half of gerotor pumps, and takes up to 40% less power to drive
- Includes all necessary fittings

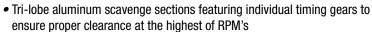
PART #	DESCRIPTION
22363	Dry Sump Pump Three Stage, Fuel Pump Drive, 1.200 Pressure/1.700 Scavenge
22364	Dry Sump Pump Four Stage, Fuel Pump Drive, 1.200 Pressure/1.700 Scavenge
22365	Dry Sump Pump Five Stage, Fuel Pump Drive, 1.200 Pressure/1.700 Scavenge
22366	Dry Sump Pump Six Stage, Fuel Pump Drive, 1.200 Pressure/1.700 Scavenge



No. 22365 No. 22366

DRY SUMP PUMP, TRI-LOBE, 5 STAGE, .900 PRESSURE SECTION

Driver's/Left Side Dragster Style Bracket



- Spur gear pressure section based off Moroso's billet wet sump pump design
- Variable spring rates optimize your oil pressure for smooth, reliable oil pressure readings
- · Saves weight and make big crankcase vacuum
- Multiple #16 outlet options for fitment requirement
- Pumps weights almost half of gerotor pumps, and takes up to 40% less power to drive
- Includes all necessary fittings



No. 22435

PART # DESCRIPTION

22435 Dry Sump Pump, Five Stage, Driver's Side/Dragster Bracket, .900 Pressure/1.700 Scavenge

DRY SUMP PUMP, TRI-LOBE, FIVE STAGE, .900 PRESSURE SECTION

Driver's Side/Door Car Style Bracket

- Tri-lobe aluminum scavenge sections featuring individual timing gears to ensure proper clearance at the highest of RPM's
- Spur gear pressure section based off Moroso's billet wet sump pump design
- Variable spring rates optimize your oil pressure for smooth, reliable oil pressure readings
- Saves weight and makes big crankcase vacuum
- Multiple #16 outlet options for fitment requirement
- Pumps weights almost half of gerotor pumps, and takes up to 40% less power to drive
- Includes all necessary fittings



No. 22335

PART # DESCRIPTION

22335 Dry Sump Pump, Five Stage, Driver's Side/Door Car Bracket, .900 Pressure/1.700 Scavenge

BREATHER TANK. TWO IOAN FITTINGS

- Use as a remote multi-inlet oil catch/breather for Crankcase Ventilation, Vacuum Pumps, Dry Sump Tanks or Rear Ends
- Can be used to collect from 2 sources
- Features Two -10AN Male Fittings that are 180 Degrees apart for ease of plumbing
- Includes non-hooded, clamp—on filtered breather, Heavy Duty T-Clamp and a bottom petcock drain
- Dimensions: 3-1/8" diameter (without mount), 6-1/2" tank height (without filter or drain), 11-1/2" overall height

PART # DESCRIPTION

85468 Breather Tank, Two –10AN Fittings



No. 85468

AIR OIL SEPARATOR KITS



- From the factory, a vehicle's PCV system vents excess crankcase vapors, residual oil and moisture back into the intake manifold which compromises performance and durability
- The MOROSO Air/Oil Separator plumbs inline of the PCV system and captures the excess crankcase vapors, residual oil and moisture
- Removing this oil mist before it reenters the engine; reduces detonation, deposits on the intake track including the
 valves themselves and from lowering the efficiency of the intercooler. During the combustion process the presence of
 oil mist or vapors can affect the octane rating of fuel, because of contamination
- Increases engine performance from cleaner intake air
- Air-Oil Separators have billet aluminum bodies with internal baffling and mesh media
- Includes heavy duty brass inlet and outlet fittings, Fuel/Emission/PCV Vapor hose for plumbing the Air-Oil Separator inline, stainless steel mounting bracket and billet aluminum mounting clamp for the body of the separator
- Features a bottom drain with elbow that makes draining the collected oil virtually mess-free
- Polished body can be chromed, painted or powdered coated for a custom look

PART # DESCRIPTION

85523 Air-Oil Separator Kit, Ford Mustang EcoBoost 2015-'17 **85524** Air-Oil Separator Kit, Corvette C7, non Z06 2014-'17









- From the factory, a vehicle's PCV system vents excess crankcase vapors, residual oil and moisture back into the intake manifold which compromises performance and durability
- The MOROSO Air/Oil Separator plumbs inline of the PCV system and captures the excess crankcase vapors, residual oil and moisture
- Removing this oil mist before it reenters the engine; reduces detonation, deposits on the intake track including
 the valves themselves and from lowering the efficiency of the intercooler. During the combustion process the
 presence of oil mist or vapors can affect the octane rating of fuel, because of contamination
- Increases engine performance from cleaner intake air
- Air-Oil Separators have billet aluminum bodies with internal baffling and mesh media
- Includes heavy duty brass inlet and outlet fittings, Fuel/Emission/PCV Vapor hose for plumbing the Air-Oil Separator inline, stainless steel mounting bracket and billet aluminum mounting clamp for the body of the separator
- The two piece body of the Air-Oil Separator unscrews for cleaning and draining
- Billet Aluminum body is available either with raw or black anodized finish

PART # DESCRIPTION

85684 Air-Oil Separator Kit, Small Body, Ford Mustang EcoBoost 2015-'17

85685 Air-Oil Separator Kit, Small Body, Ford Mustang EcoBoost 2015-'17, Black Anodized Finish

85686 Air-Oil Separator Kit, Small Body, Corvette C7, non Z06 2014-'17

85687 Air-Oil Separator Kit, Small Body, Corvette C7, non Z06 2014-117, Black Anodized Finish

SUPERCHARGER TANK, MUSTANG 2015-'17, WITH FORD PERFORMANCE & ROUSH PERFORMANCE SUPERCHARGER KITS

- Direct bolt-in replacement for the tank that comes in the Ford Performance Part No. M-6066-M8627 supercharger kit or Roush Performance Part Nos. 421542, 421823 & 422001 supercharger kits or tanks factory installed on Roush supercharged Mustangs
- Fabricated of aluminum for strength can be polished, chromed, powder coated or left as-is for a race look
- Can be packed with ice for the track or dyno pulls for quicker E.T'S and more horsepower
- · Accepts factory screw on cap

PART # DESCRIPTION

63509 Supercharger Tank, Mustang 2015 - '17



No. 63509

SUPERCHARGER TANK, DODGE/CHRYSLER CHALLENGER & CHARGER HELLCAT, 2015-'17

- Supercharged cars run hot so increased cooling capacity is a must for horsepower
- Direct bolt-in replacement, uses factory mounting bracket
- Fabricated of aluminum for strength can be polished, chromed, powder coated or left as-is for a race look
- Can be packed with ice for the track or dyno pulls for quicker E.T'S and more horsepower
- Features billet aluminum neck and comes with Moroso Radiator Cap



No. 63809

PART # DESCRIPTION

63809 Supercharger Tank, Dodge/Chrysler Challenger & Charger Hellcat 2015-'17

COOLANT EXPANSION TANK, NISSAN R35 GT-R, 2009-'16

- Direct bolt-in replacement to stock multi-piece plastic tank
- Fabricated Aluminum for strength, factory tanks fail after repeated high heat situations
- Will not turn "yellow" or "break down" like the factory plastic tank does
- This Aluminum tank can be polished, chromed, painted, powder coated or left as is for a race look
- Billet aluminum neck accepts the factory stock vented cap
- Has 50% more capacity than the stock plastic tank



PART # DESCRIPTION

63811 Coolant Expansion Tank, Nissan R35 GT-R, 2009-'16

COOLANT EXPANSION TANK, DODGE/CHRYSLER CHALLENGER & CHARGER, SRT8, HELLCAT, 2015-17

- Direct bolt-in replacement to stock plastic tank
- Fabricated Aluminum for strength, factory tanks fail after repeated high heat situations
- This Aluminum tank can be polished, chromed, painted, powder coated or left as is for a race look
- Features billet aluminum radiator neck that accepts standard size radiator caps



PART # DESCRIPTION

63812 Coolant Expansion Tank, Dodge/Chrysler Challenger & Charger , SRT8, Hellcat 2015-'17

ABS PUMP COVER

Fits: Camaro V-6, 2010-'15

- Attaches over Factory ABS Braking Pump, covers up the "Spaghetti Like" tubing that comes out of the pump, including covering the ABS pump itself
- Fabricated from .100 thick Aluminum with TIG Welded Corners
- Improves under-hood appearance, matching Moroso tank line (sold separately)
- Can be polished, chromed, powder coated, painted or left as is for a race look

PART # DESCRIPTION

74258 ABS Pump Cover, Camaro V-6, 2010-'15

No. 74258



OUICK FASTENER

Oval Head, 3/16" Hex Drive

- This hex drive fastener provides quick fastening of body panels, door, tilt front ends, fiberglass to metal, metal to metal, etc.
- Ten per package
- Use with Spring Nos. 71400, 71410, 71420, 71425 or 71430



71356 Oval Head, Hex Drive Fastener, aluminum, black anodized, 7/16" x .500" body



No. 71356

QUICK FASTENERS

Self Ejecting Large Flush Head, 7/16"

- Heavy duty to allow repeated use with a fastener tool, allen wrench or a ratchet without stripping
- These #6 fasteners are in demand in racing's finest chassis builders
- Larger size distributes the load over a larger area to avoid pull-through
- The spring holds the button captive so that it can't be dropped underneath the car or into some hard to get at area of the chassis
- A necessity for quick pit work in racing
- Use with Spring Nos. 71400, 71410, 71420, 71425 or 71430
- Ten per package



No. 71373





No. 71378

PART # DESCRIPTION

71373 Self-Eject, Large Flush Head Fastener, aluminum, 7/16" x .500" body
 71378 Self-Eject, Large Flush Head Fastener, aluminum, 7/16" x .550" body

71379 Self-Eject, Large Flush Head Fastener, aluminum, black anodized, 7/16" x .550" body

QUICK FASTENERS

Self Ejecting Flush Head, 5/16"

- These spring loaded buttons guarantee a quick release
- The spring holds the button captive so that it can't be dropped underneath the car or into some hard to get at area of the chassis
- A necessity for quick pit work in racing
- Use Spring No. 71430 as a replacement
- · Ten per package



No. 71441





No. 71451



71507 Self-Eject, Flush Head Fastener, aluminum, black anodized, 5/16" x .550" body
 71531 Self-Eject, Flush Head Fastener, aluminum, 5/16" x .650" body

71532 Self-Eject, Flush Head Fastener, aluminum, black anodized, 5/16" x .650" body





No. 71501



No. 71505





No. 71506

QUICK FASTENERS

Flush Head, Slotted

- These Steel Fasteners provide quick fastening of body panels, door, tilt front ends, fiberglass to metal, metal to metal, etc.
- Ten per package
- Use with Spring Nos. 71400, 71410, 71420, 71425 or 71430

PAKI#	DESCRIPTION
71291	Flush Head Fastener, steel, 5/16" x .400" body
71293	Flush Head Fastener, steel, 5/16" x .450" body
71294	Flush Head Fastener, steel, 5/16" x .500" body
71299	Flush Head Fastener, steel, 5/16" x .550" body





No.71291

No.71299





No.71293

No.71294

QUICK FASTENERS

Oval Head 5/16", Slotted

- These fasteners provide quick fastening of body panels, door, tilt front ends, fiberglass to metal, metal to metal, etc.
- Ten per package
- Use with Spring Nos. 71400, 71410, 71420, 71425 or 71430

PART #	DESCRIPTION
71329	Oval Head Fastener, aluminum, 5/16" x .400" body
71325	Oval Head Fastener, steel, 5/16" x .450" body
71327	Oval Head Fastener, aluminum, black anodized, 5/16" x .450" body
71346	Oval Head Fastener, steel, black anodized, 5/16" x .500" body
71331	Oval Head Fastener, aluminum, 5/16" x .500" body
71333	Oval Head Fastener, aluminum, black anodized, 5/16" x .500" body



No. 71329



No. 71325



No. 71327

QUICK FASTENERS

Oval Head 7/16", Slotted

- These fasteners provide quick fastening of body panels, door, tilt front ends, fiberglass to metal, metal to metal, etc.
- Ten per package

71364

• Use with Spring Nos. 71400, 71410, 71420, 71425 or 71430







No. 71358

No. 71355





No. 71365

No. 71364

PAKI#	DESCRIPTION
71358	Oval Head Fastener, steel, bl
71365	Oval Head Fastener, aluminu
71355	Oval Head Fastener, aluminu

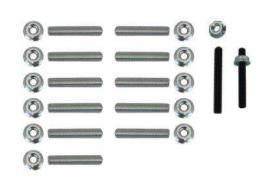
plack anodized, 7/16" x .450" body um, black anodized, 7/16" x .450" body um, black anodized, 7/16" x .500" body Oval Head Fastener, aluminum, black anodized, 7/16" x .550" body

OIL PAN STUD KIT, ALUMINUM FABRICATED, GM LS

- For installing a Moroso or other brand aluminum fabricated oil pans on a GM LS engine
- Designed to make pan installation easy and prolong gasket life
- Lock nuts feature attached washers with serrated faces to provide a positive grip on the pan rail
- Studs are made from heat-treated Grade 8 steel with a durable finish, nuts are zinc plated
- Kit contains; Quantity 13, 8mm x 1.25 x 45mm studs with matching nuts
 Quantity 2, 6mm x 1 x 50mm studs with matching nuts

PART # DESCRIPTION

38542 Oil Pan Stud Kit, for Aluminum Fabricated GM LS oil pans



No. 38542

HOOD PIN BRACKET. 3/8 INCH DIAMETER PINS

- Makes mounting and aligning a 3/8" Diameter hood pin easier than previous methods
- Made out of 1/8" thick Stainless Steel
- Can be bolted and/or welded into place
- Finish of the bracket can be painted, polished or left as is

PART # DESCRIPTION

39025 Hood Pin Bracket, 3/8" Diameter Pins



QUICK FASTENER MOUNTING BRACKET, ALUMIMUM 7/16" FASTENERS

For Standard Fasteners

- Aluminum bracket can be welded or fastened to any member of the car to provide a convenient pop rivet mount for standard fastener springs
- Use with Moroso Nos. 71370, 71371, 71372, 71375, 71376, 71377, 71380, 71381, 71382 or 71383
- Ten per package



No. 71559

PART # DESCRIPTION

71559 Quick Fastener Mounting Bracket, Aluminum, .120" thick, for 7/16" Fasteners & 1-3/8" Springs

IN-LINE FUEL FILTER

- Removes dirt and debris from fuel systems with minimum restriction
- The aluminum housing is black anodized with 0-ringed removable end caps
- Filter Element itself is constructed out of a Stainless Steel fine screen that filters down to 40 Microns and is washable for re-use
- 6-1/2" overall length with -10AN Male Fittings



PART # DESCRIPTION

65234 In-Line Fuel Filter, -10AN Male Fittings

No. 65234

HARMONIC BALANCER INSTALLATION & REMOVAL TOOL KIT. GM LS & LT

- Innovative tool makes installing and removing GM LS & LT harmonic balancers quick and easy without causing damage
- The CNC-machined tool provides a large contact area to keep the harmonic balancer perpendicular with the centerline of the crankshaft for bind-free action
- Roller thrust bearing allows drive nut to rotate freely so the balancer is pressed on or pulled off smoothly and evenly
- Compact storage case keeps tool and all attachments organized and rust free for years of dependable service
- · Black oxide finish

No. 61745





PART # DESCRIPTION

61745 Harmonic Balancer Installation & Removal Tool Kit, GM LS & LT

HARMONIC BALANCER INSTALLATION & REMOVAL ADAPTER. GM LS & LT

- This adapter allows a Moroso Part No. 61743 Harmonic Installation & Removal Tool Kit work with the GM LS & LT Series of engines
- Like all of the adapters in the kit this adapter will now make it possible to install and remove GM LS & LT harmonic balancers quickly and easily without causing damage
- · Black oxide finish



PART # DESCRIPTION

61746 Harmonic Balancer Installation & Removal Adapter, GM LS & LT

No. 61746

TIRE PRESSURE GAUGES, GARAGE SERIES

- A line of gauges that are perfect to check pressures around the garage, where the accuracy of a track air pressure gauge isn't needed and you don't mind your buddies borrowing
- Easy to read 2-1/4" gauge face
- Includes rubber gauge cover
- 16" hose with finger operated air-bleed valve allows you to release pressure quickly
- Hose has easy grip angle chuck end that rotates 360 Deg. for positive valve stem attachment

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PART #	DESCRIPTION
89592	Tire Pressure Gauge, Garage Series, 0-15 psi
89593	Tire Pressure Gauge, Garage Series, 0-40 psi
89594	Tire Pressure Gauge, Garage Series, 0-60 psi
89595	Tire Pressure Gauge, Garage Series, 0-100 psi



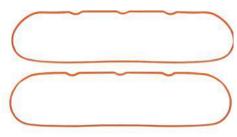
GM LS SERIES VALVE COVER GASKETS

Fits: Both Moroso GM LS Series and O.E.M. Valve Covers

- Manufactured out of heavy duty molded rubber
- · Quality design and manufacturing meets or exceeds O.E.M. quality
- Two per package

PART # DESCRIPTION

93025 Valve Cover Gasket, GM LS Series



No. 93025

BRODIX SR20/DART PROI 20 DEG. FABRICATED ALUMINUM, BILLET RAIL VALVE COVERS WITH POCKETS, NO LOGO

- 3" Tall
- · Pockets on the intake side and exhaust side
- Fabricated entirely from superior quality aluminum, ultra lightweight
- One-piece billet rail is CNC machined to ensure a precision flat surface for superior sealing
- Mating of the billet rail to the valve cover is done with a smooth transition, eliminating trapped oil and spills when removing the cover
- Designed with a broad, flat surface for engine builder engraving, the covers can be polished, chromed, powder coated or left as-is for a race look



No. 68487

PART # DESCRIPTION

68487 Valve Cover, Fabricated Aluminum, Billet Rail for Brodix SR20/Dart Pro1 20 Degree Cylinder Heads

MOROSO ULTRA 40 IGNITION WIRE SETS FOR MOROSO GM LS SERIES BILLET ALUMINUM VALVE COVERS

You have the Moroso all billet aluminum GM LS valve covers, why use any other spark plug wire than the Moroso Ultra 40 Sleeved sets that were designed to be used with these valve covers?

- Part No. 73845 is for the Moroso Part Nos. 68471 and 68473 All Billet Aluminum Valve Covers that use the Moroso Part Nos. 72397 & 72398 Coil Mount Brackets
- Part No. 73846 is for the Moroso Part Nos. 68470 and 68472 All Billet Aluminum Valve Covers that have the integral coil
 pack mounts that accept LS2, LS3, LS7, & L98 style coils
- Wire Sets are constructed out of Moroso ULTRA 40, 7 mm Dia. Ignition Wire with 40 ohms of resistance per foot
- The black wire sets are sleeved which extends spark plug life and protects against exhaust header heat, chaffing and contaminants
- Sleeving also adds extra dielectric strength which is wire's ability to not to be affected by outside electrical pulses
- Each wire is terminated with heavy duty, high temperature,
 easy-pull/positive engagement spark plug boots and on the other end with matching coil boots



No. 73845-73846



PART # DESCRIPTION

73845 Wire Set, Ultra 40, Sleeved in Black, for Moroso Part Nos. 68471 and 68473 73846 Wire Set, Ultra 40, Sleeved in Black, for Moroso Part Nos. 68470 and 68472

BLUE MAX™ SPIRAL CORE COIL REPLACEMENT WIRE KIT

- 36" Long
- All the parts necessary to make a coil wire to fit virtually all popular coils and distributor cap combinations
- Kit contains three feet of Blue Max (TM) Spiral Core 8mm suppression wire in black, a wire stripping tool, and a 13-piece boot and terminal kit



73236 Spiral Core 8mm, 800 ohm Coil Wire Kit, Black



No. 73236

COIL WIRE OR REPLACEMENT WIRE KIT. UNSLEEVED, ULTRA 40 WIRE

- Allows installation of an ignition coil in a remote location or can be used as areplacement wire in a wire set
- Kit includes:
 - 72" wire
 - 2-HEI 90 Deg. distributor boots
 - 2-HEI 90 Deg. spark plug boots
 - 4-HEI terminals, 2-Non-HEI 90 Deg. Boots
 - 4-Non-HEI terminals and 2 coil boots

PART # DESCRIPTION

73238 Coil, Replacement Wire Kit, Ultra 40, Black



No. 73238

COIL WIRE OR REPLACEMENT WIRE KIT. SLEEVED. ULTRA 40 WIRE

- Allows installation of an ignition coil in a remote location or can be used as a replacement wire in a wire set
- Sleeving adds extra dielectric strength, which is wire's ability to not be affected by outside electrical pulses
- Sleeving extends spark plug wire life and protects against exhaust heat, chaffing and contaminants
- Kit includes:
 - 48" wire
 - 48" high temp sleeving
 - 2-HEI 90 Deg. distributor boots
 - 2-HEI 90 Deg. spark plug boots
 - 4-HEI terminals, 2-Non-HEI 90 Deg. Boots
 - 4-Non-HEI terminals and 2 coil boots

PART # DESCRIPTION

73240 Coil, Replacement Wire Kit, Sleeved, Ultra 40, Blue73241 Coil, Replacement Wire Kit, Sleeved, Ultra 40, Black



No. 73240



No. 73241

CRANK TRIGGER ULTRA SERIES KIT

Small Block Chevrolet

Fits: 0.E.M., Fluidampr, ATI, Fischer, JEGS and other SBC 7.0" or smaller diameter damper cases with 4.749" mounting registers

- Crank trigger kit is based on the popular flying magnet style kit
- Compact adjuster arm for better fitment with chassis restrictions pans and containment devices
- The trigger wheel and arm are constructed out of billet aluminum with black anodized finish for long lasting good looks
- Moroso has designed the trigger wheel and adjuster arm to allow for infinite timing settings while still giving you the ability to position the sensor for the greatest range of adjustment for your combination. No more having the sensor run out of adjustment before you even start the engine up
- The sensor mounting block is designed so that it will not stick out of the back of the arm and interfere with the oil pan
- Moroso Crank trigger sensor comes with the most common plug to easily hook to any popular ignition box with no modifications
- Kit mounts to passenger side of block only, and has two sensor locations for non-motorplate applications
- Includes all necessary hardware

PART # DESCRIPTION

60009 Crank Trigger Ultra Series Kit, Small Block Chevy



No. 60009



CRANK TRIGGER ULTRA SERIES WITH ADJUSTABLE TIMING POINTER KIT

Small Block Ford, 302 - 351W Fits: O.E.M., Fluidampr, ATI, Jegs and other S.B.F. 7.0" or smaller diameter by 3.35" long 4-bolt dampers

- Crank trigger kit is based on the popular flying magnet style kit
- Compact adjuster arm for better fitment with chassis restrictions pans and containment devices
- The trigger wheel and arm are constructed out of billet aluminum with black anodized finish for long lasting good looks
- Built-in adjustable timing pointer
- The trigger wheel and arm are constructed out of billet aluminum with black anodized finish for long lasting good looks
- Moroso has designed the trigger wheel and adjuster arm to allow for infinite timing settings while still giving you the ability to position the sensor for the greatest range of adjustment for your combination. No more having the sensor run out of adjustment before you even start the engine up
- The sensor mounting block is designed so that it will not stick out of the back of the arm and interfere with the oil pan
- Moroso Crank trigger sensor comes with the most common plug to easily hook to any popular ignition box with no modifications
- Kit mounts to passenger side of block or on motorplate applications
- Includes all necessary hardware

PART # DESCRIPTION

60010 Crank Trigger Ultra Series Kit, Small Block Ford



No. 60010



CRANK TRIGGER ULTRA SERIES KIT

Big Block Chevrolet

Fits: O.E.M., Fluidampr, ATI, Fischer, JEGS and other BBC 8.0" or smaller diameter damper cases with 4.749" mounting registers

- Kit mounts to driver's-side of block only, for mechanical fuel pump, centrifugal supercharger clearance and has two sensor locations for nonmotorplate applications
- Crank Trigger Kit is based on the popular, flying magnet-style kits
- Compact adjuster arm for better fitment with two-piece oil pans and containment devices
- The trigger wheel and arm are constructed out of billet aluminum with black anodized
 - finish for long lasting good looks
- Moroso has designed the trigger wheel and adjuster arm to allow for inifinite timing settings, while still giving you the ability to position the sensor for the greatest range of adjustment for your combination. No more having the sensor run out of adjustment before you even start the engine up
- The sensor mounting block is designed so that it will not stick out of the back of the arm and interfere with the oil pan or a diper
- Moroso Crank trigger sensor comes with the most common plug to easily hook to any popular ignition box with no modifications
- Includes all necessary hardware



60012 Crank Trigger Ultra Series Kit for Big Block Chevrolet, Mounts to driver's side of block for mechanical fuel pumps, Procharger clearance

No. 60012

000

TIMING POINTERS FOR FORD 289/302/351W

- Designed to hug the damper so it is easier to line up the damper and the pointer for more accurate timing
- Up to 4 degrees of adjustment are possible
- Fits 6.125" to 6.250" balancers
- Constructed out of billet aluminum with a black anodized finish
- Stainless steel mounting hardware included

PART # DESCRIPTION

60150 Timing Pointer, Ford 289/302/351W, 11 O'clock TDC

60155 Timing Pointer, Ford 289/302/351W, 10 0'clock TDC





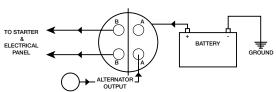
BATTERY & ALTERNATOR DISCONNECT SWITCH

- As race cars have gotten more complicated so has sanctioning bodies rules in making sure that a racecar's electrical power can be completely shut off
- This 4-Pole switch makes installing a "Master Disconnect" switch much simpler.
 A 4-Pole switch is used to disconnect both the battery and the alternator feed simultaneously without the need for relays.
- Can be mounted in the same locations as traditional On/Off switches with the added security of being able to interrupt the alternator circuit
- Four %" -24 Terminals, rated at 125A continuous/ 750A intermittent, up to 36V DC max., Two Terminals marked "Terminal A" for the battery circuit and Two Terminals marked "Terminal B" for the alternator circuit
- Indexing pin aligns switch with mounting panel and prevents rotation: fits mounting panels up to 1/4" thick
- Includes switch position decal and switch location decal for the exterior of the car
- Use with Moroso Push/Pull Kit No. 74105 for remote installations and Moroso Battery Cable Fitting End Kit with %" opening No. 74170

PART # DESCRIPTION

74108 Battery & Alternator Disconnect Switch





No. 74108

REMOTE PUSH/PULL BATTERY ALTERNATOR SWITCH KIT

- "Push/Pull" Style of remote battery disconnect switch allows you to mount the Battery Disconnect Switch a roll cage tube with a weldon bracket, then actuate it with this T-handle kit protruding through the rear panel
- Included switch Moroso Part No. 74100 is for applications without alternators, Rating: 125 amps @ 6-36 volts DC
- Includes switch, brackets, swing arm linkage, 18" long aluminum tube actuator link, all necessary bushings, fasteners, switch position decal and switch location decal for the exterior of the car





PART # DESCRIPTION

74109 Remote Push/Pull Battery Disconnect Switch Kit

REMOTE PUSH/PULL BATTERY & ALTERNATOR DISCONNECT SWITCH KIT

- "Push/Pull" Style of remote battery disconnect switch allows you to mount the Battery Disconnect Switch a roll cage tube with a weldon bracket, then actuate it with this T-handle kit protruding through the rear panel
- Included is Moroso Part No. 74108 "Master Disconnect" 4-Pole switch. A 4-Pole switch is used to disconnect both the battery and the alternator feed simultaneously without the need the need for relays
- Includes switch, brackets, swing arm linkage, 18" long aluminum tube actuator link, all necessary bushings, fasteners, switch position decal and switch location decal for the exterior of the car





PART # DESCRIPTION

74111 Battery & Alternator Disconnect Switch Kit

BATTERY DISCONNECT SWITCH BRACKET

- "L" shaped bracket makes mounting and aligning Moroso Part Nos. 74100,
 74101 & 74108 or similar battery disconnect switches easier than previous methods
- Made out of 1/8" thick steel
- Can be bolted and/or welded into place

PART # DESCRIPTION

74116 Battery & Alternator Disconnect Switch Bracket



No. 74116

REMOTE BATTERY DISCONNECT SWITCH MOUNTING KIT. MORSE CABLE ACTUATED

- This kit allows for greater flexibility of mounting a remote battery disconnect lever
- Using a morse cable to actuate the battery disconnect switch allows more flexibility and greater distances between the switch itself and the lever that the driver, crew, or safety workers operate
- Kit also includes brackets, fasteners, switch position decal and switch location decal for the exterior of the car
- Use with Moroso Nos. 74100, 74101, 74106 & 74108 Battery Disconnect Switches or other similar switches



No. 74117

PART # DESCRIPTION

74117 Remote Battery Disconnect Switch Mounting Kit, Morse Cable Actuated

REMOTE BATTERY DISCONNECT SWITCH KIT. MORSE CABLE ACTUATED

- This kit allows for greater flexibility of mounting a remote battery disconnect lever
- Using a morse cable to actuate the battery disconnect switch allows more flexibility and greater distances between the switch itself and the lever that the driver, crew, or safety workers operate
- Included is Moroso No. 74100 Battery Disconnect switch for applications without alternators, Rating: 125 amps @ 6-36 volts DC
- Kit includes brackets, fasteners, handle, switch position decal and switch location decal for the exterior of the car







PART # DESCRIPTION

74118 Remote Battery Disconnect Switch Kit, Morse Cable Actuated

REMOTE BATTERY & ALTERNATOR DISCONNECT SWITCH KIT. MORSE CABLE ACTUATED

- This kit allows for greater flexibility of mounting a remote battery disconnect lever
- Using a morse cable to actuate the battery disconnect switch allows more flexibility and greater distances between the switch itself and the lever that the driver, crew, or safety workers operate
- Included is Moroso Part No. 74108 "Master Disconnect" 4-Pole switch. A 4-Pole switch is used to disconnect both the battery and the alternator feed simultaneously without the need the need for relays
- Kit also includes brackets, fasteners, switch position decal and switch location decal for the exterior of the car





74119 Remote Battery & Alternator Disconnect Switch Kit, Morse Cable Actuated

BATTERY JUMPER TERMINAL BRACKET, FOR MOROSO PART NO. 24140

- "L" shaped bracket makes mounting and aligning Moroso Part No. 74140 or similar battery disconnect switches easier than previous methods
- Made out of 1/8" thick steel
- Can be bolted and/or welded into place
- Finish of the bracket can be painted, polished or left as is

PART # DESCRIPTION

74149 Battery Jumper Terminal Bracket



HOW A MOROSO OIL PAN IS MANUFACTURED

REPRINTED FROM DRAG RACER MAGAZINE TEXT AND PHOTOS BY RANDY FISH

Moroso Performance Products was the first to manufacture racing oil pans with deep and kicked-out sumps, solving the lubrication problems of racers. The following details the manufacture of a Pro Eliminator Oil Pan. While automated machinery is used to make individual components, Moroso Oil Pans are precision welded, one at a time, by skilled craftsmen.



The turret punch press machine is where Moroso's precision manufacturing process begins. Reference holes become precision cuts resulting in a sheet of pre-cut aluminum components. Once a design is entered into the machine's computerized interface, the exacting tolerances of the original pan can be repeated endlessly. Inset: Individual pieces are detached manually in preparation for assembly.



Billet aluminum end caps are milled on Moroso's bank of CNC machines. They are then computer checked for dimensional accuracy before transfer to manufacturing. Here, a Quality Control Tech uses computerized digital probes to perform a battery of tests on a CMM machine, a staple in the aerospace industry. Another computer driven sheet metal brake makes the prescribed bends and angles for various component pieces.



Skilled craftsmen precision-make each Moroso Oil Pans which could not be mass produced with the same degree of accuracy and workmanship. Pro Eliminator Oil Pan (Part No. 20385) uses several welded bungs for its various attaching points. It also features a billet rail for optimum sealing. The fixture utilizes oneinch thick plate to absorb heat and ensure proper alignment, while preventing warpage.



Oil pan foundation after one billet end rail has been welded into place. Moroso's efficient manufacturing processes ensure that each part is made to close tolerances, which means the actual welded seam is minimal. Inset: Moroso pioneered the deep and kick-out sump oil pan; here, the deepest section of the pan begins to take shape.



With all surfaces carefully welded, the completed pan is fitment checked on a real engine block. Moroso performs high-pressure leak tests on all machined Oil Pans.



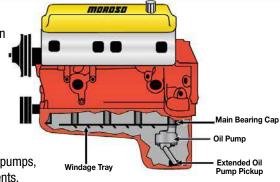
Shown here are the individual components, along with a completed Pro Eliminator Oil Pan (Part No. 20385) for Big-Block Chevypowered Super Class cars, Bracket cars, and Comp Eliminator racers. One of our more popular wet-sump Mark IV Big-Block Chevy offerings, this pan gives racers eight-to-nine quart capacity and will accommodate up to 4-3/4" stroke with aluminum rods.

WET SUMP VS. DRY SUMP OILING SYSTEMS

The use of a wet or dry sump oiling system is often determined by the level of competition and the racer's budget. A wet sump system is based on the original equipment oiling system, and can be enhanced with certain components to improve oil controland increase power. A dry sump system is designed for the top levels of racing where maximum power and oil control are absolutely essential.

TYPICAL WET SUMP SYSTEM

In a typical Wet Sump system, oil is stored in the bottom of the pan and distributed throughout the engine by an internally-mounted pump. An oil pump pickup, mounted to the pump, extends to within a quarter inch of the pan's bottom to "pickup" the oil. Although a Wet Sump system is essentially the same system used in production cars, it can be enhanced significantly with components that improve oil control and increase power. For performance street and racing applications, these components include high capacity pans, extended oil pump pickups, racing oil pumps, windage trays, oil control kits, racing oil filters and other components. In some racing applications an external oil pump is used, allowing the windage tray or screen to run the pan's full length.



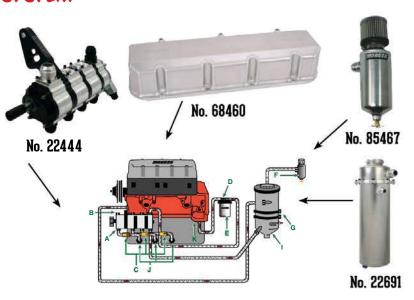
Moroso Wet Sump Oiling System components are race proven, designed to keep the engine properly supplied with oil during the most demanding conditions.

OIL PAN CAPACITIES

Capacities listed for Moroso Wet Sump Oil Pans include the capacity of the pan only, measured at or below the normal fill mark on a stock dipstick. Additional oil must be added to compensate for filters, coolers, tanks, etc.

TYPICAL DRY SUMP SYSTEM

Unlike a wet sump system where oil is stored in the pan, a Dry Sump Oiling System stores oil in a separate tank — leaving the pan essentially "dry." An externally mounted pump, generally with three or four stages, is used to "scavenge" or remove oil from the pan, deliver it to the storage tank, and send it back through the engine. In a typical setup, all but one of the stages is used to scavenge oil from the pan. A single pressure stage is normally used to return oil from the tank to the engine. The primary advantage of a Dry Sump System is its ability to make more power. With very little oil in the pan, the rotating assembly is not burdened with the



weight of excess oil (a phenomenon commonly referred to as "windage"). Because there is no internal pump, the windage tray or screen which serves to isolate sump oil from the rotating assembly, is allowed to run the full length of the pan. Keeping the rotating assembly free of windage allows it to spin freely and make more power. In addition, the extra crankcase vacuum created by the dry sump pump helps to improve ring seal for additional power gain. Other advantages of a Dry Sump System include increased oil capacity, more consistent oil pressure, the ability to easily add remote coolers, and adjustable oil pressure. And because the pan doesn't store oil, it can be relatively shallow in depth to allow lower engine placement for improved weight distribution and handling. Moroso manufactures a full range of Dry Sump Oiling System components, all of which are engineered to be fully compatible with one another. This allows the engine builder to select the best combination of equipment and avoid the costly problems that often occur when "mixing and matching" components from various manufacturers.

NOTE: Oil pan rules vary from track to track. Check with your race track and/or sanctioning body before purchasing.

CHEVROLET SMALL BLOCK

Steel, Wet Sump, 5 Quart Capacity, 7-1/2" Deep Fits: Stock Replacement

- Clears 4.125" stroke with most steel rods
- Fits 4 bolt Dart, GM and Merlin main caps
- Trap door baffle for improved oil control

PART # **DESCRIPTION**

20170 Oil Pan. Steel. Clear Zinc. Stock Configuration

Engine Application: Pre-1980 blocks with

driver-side dipstick

20171 Oil Pan, Steel, Clear Zinc, Stock Configuration

Engine Application: 1980–'85 blocks with passenger-side dipstick

20172 Oil Pan, Steel, Clear Zinc, Stock Configuration

Engine Application: 1986 and newer blocks with one-piece

rear main seal

RECOMMENDED PICKUPS PART#

Fits: Moroso SBC Race Pump No. 22099, No. 22101 or M55 style pump 24212 24213 Fits: Moroso SBC HV Race Pump No. 22109, No. 22111 or M55 HV style pump

PART# **OIL PUMP/PICKUP PACKAGE** Moroso High Volume Package 22144

AVAILABLE OPTIONS PART# PART# **AVAILABLE OPTIONS**

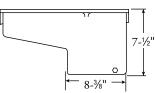
38551 Oil Pan Flange Head Bolts, SBC 23020 Windage Tray

93150 Oil Pan Gasket, Pre-'85 block with a 2 piece rear main seal 23000 Oil Pan Baffle 93151 Oil Pan Gasket, '86-up block with a 1 piece rear main seal 25800 Crank Scraper



No. 20170





CHEVROLET SMALL BLOCK

Steel. Deep Sump, 6 Quart Capacity, 8-1/4" Deep Fits: Most chassis (except 1962-67 Chevy II, V8 Vega and Monza)

- Clears 4.125" stroke with most steel rods
- Fits 4 bolt Dart, GM and Merlin main caps
- Trap door baffle for improved oil control

PART # DESCRIPTION

20180 Oil Pan, Steel, Clear Zinc, Street Performance, Deep Sump

Engine Application: Pre-1980 blocks with driver-side dipstick

20181 Oil Pan, Steel, Clear Zinc, Street Performance, Deep Sump

Engine Application: 1980-'85 blocks with passenger-side dipstick 20182 Oil Pan, Steel, Clear Zinc, Street Performance, Deep Sump

Engine Application: 1986 and newer blocks with one-piece rear main seal

PART# **RECOMMENDED PICKUPS**

24170 Fits: Moroso SBC Race Pump No. 22099, No. 22101 or M55 style pump

24350 Fits: Moroso SBC HV Race Pump No. 22109, No. 22111 or M55HV style pump

Fits: Moroso BBC Race Pump No. 22150 or M77HV style pump 24320

24360 Fits: M155HV style pump **OIL PUMP/PICKUP PACKAGE** PART#

22124 Moroso Standard Volume Package 22134 Moroso High Volume Package

22146 Moroso High Volume Package w/ 3/4" dia. inlet

22139 Moroso High Volume with Anti-Cavitation Grooves Package

22171 Moroso Billet Aluminum Oil Pump

AVAILABLE OPTIONS PART#

23020 Windage Tray PART# **AVAILABLE OPTIONS** Oil Pan Baffle 23000 38551 Oil Pan Flange Head Bolts, SBC

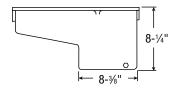
25800 Crank Scraper Oil Pan Gasket, Pre-'85 block with a 2 piece rear main seal 93150

93151 Oil Pan Gasket, '86-up block with a 1 piece rear main seal









CHEVROLET SMALL BLOCK

Steel, Wet Sump, 7 Quart Capacity, 9-1/2" Deep

Fits: Most Chassis (except 1962-'67 Chevy II, V8 Vega and Monza)

- Accepts up to 4.125" stroke with steel rods
- Fits 4 bolt Dart, GM and Merlin main caps
- Trap door baffle for improved oil control
- Increases capacity which reduces oil temperature
- Compatible with most starter/flywheel combinations



20160 Oil Pan, Steel, Clear Zinc, Street Performance, Deep Sump

Engine Application: Pre-1980 blocks with driver-side dipstick Oil Pan, Steel, Clear Zinc, Street Performance, Deep Sump

20165 Oil Pan, Steel, Clear Zinc, Street Performance, Deep Sump Engine Application: 1980-'85 blocks with passenger-side dipstick

PART # RECOMMENDED PICKUPS

24150 Fits: Stock Oil Pumps or Moroso SBC Race Pump No. 22099, No. 22101 or M55 style pump

24340 *Fits:* Moroso SBC HV Race Pump *No. 22109, No. 22111* or M55 HV style pump



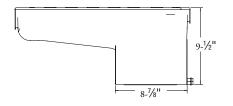
23020 Windage Tray23000 Oil Pan Baffle25800 Crank Scraper

38551 Oil Pan Flange Head Bolts, SBC

93150 Oil Pan Gasket, Pre-'85 block with a 2 piece rear main seal



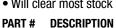




CHEVROLET SMALL BLOCK

Steel, Wet Sump, 7 Quart Capacity, 8-1/4" deep Fits: Most Chassis (except 1962-'67 Chevy II, V8 Vega and Monza)

- Accepts 4.125" stroke with most steel rods
- Fits 4 bolt Dart, GM and Merlin main caps
- Kicked-out sump
- Trap door baffle for improved oil control
- Compatible with most starter/flywheel combinations
- Will clear most stock exhaust, Borla, Hedman and Hooker headers



20190 Oil Pan, Steel, Clear Zinc, Engine Application: Pre-1980 blocks w/ driver-side dipstick
 20200 Oil Pan, Steel, Clear Zinc, Engine Application: 1980-'85 blocks w/ passenger-side dipstick
 20205 Oil Pan, Steel, Clear Zinc, Engine Application: 1986 and newer blocks w/ one-piece rear

main seal; passenger-side dipstick



24170 Fits: Moroso SBC Race Pump No. 22099, No. 22101 or M55 style pump

24350 *Fits:* Moroso SBC HV Race Pump *No. 22109, No. 22111* or M55HV style pump

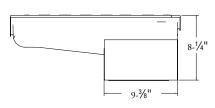
24320 Fits: Moroso BBC Race Pump No. 22150 or M77HV style pump

24360 Fits: M155HV/M10551 style pump
PART # OIL PUMP/PICKUP PACKAGE

22124 Moroso Standard Volume Package22134 Moroso High Volume Package

22146 Moroso High Volume Package w/ ¾" dia. inlet22139 Moroso High Volume with Anti-Cavitation Grooves Package

22171 Moroso Billet Aluminum Oil Pump



PART # AVAILABLE OIL PAN OPTION 23020 Windage Tray

23000 Oil Pan Baffle25800 Crank Scraper

38551 Oil Pan Flange Head Bolts, SBC

93150 Oil Pan Gasket, Pre-'85 block with a 2 piece rear

No. 20190

main seal

93151 Oil Pan Gasket, '86-up block with a 1 piece rear

main seal

CHEVROLET SMALL BLOCK

Steel, Wet Sump, 7 Quart Capacity, 8-1/4" deep Fits: Most Chassis (except 1962-'67 Chevy II, V8 Vega and Monza)

- Accepts 4.125" stroke with most steel rods
- Fits 4 bolt Dart, GM and Merlin main caps
- Kicked-out sump
- Crank scraper welded to pan
- Uni-directional windage tray screen
- Trap door baffle for improved oil control
- Will clear most stock manifolds; Borla[®], Hedman[®] and Hooker[®] headers
- Compatible with most starter/flywheel combinations

PART #	DESCRIPTION
20191	Oil Pan, Steel, Clear Zinc, <i>Engine Application:</i> Pre-1980 blocks w/ driver-side dipstick
20201	Oil Pan, Steel, Clear Zinc, <i>Engine Application:</i> 1980-'85 blocks w/ two-piece rear
	main seal; passenger-side dipstick

main seal; passenger-side dipstick

20206 Oil Pan, Steel, Clear Zinc, Engine Application: 1986 and newer blocks w/ one-piece

rear main seal; passenger-side dipstick



24170 Fits: Moroso SBC Race Pump No. 22099, No. 22101 or M55 style pump
 24350 Fits: Moroso SBC HV Race Pump No. 22109, No. 22111 or M55HV style pump

24320 Fits: Moroso BBC Race Pump No. 22150 or M77HV style pump

24360 Fits: M155HV/M10551 style pump PART # OIL PUMP/PICKUP PACKAGE

22124 Moroso Standard Volume Package22134 Moroso High Volume Package

22146 Moroso High Volume Package w/ ¾" dia. inlet

22139 Moroso High Volume with Anti-Cavitation Grooves Package

22171 Moroso Billet Aluminum Oil Pump

PART # AVAILABLE OPTIONS

No. 20191

23000 Oil Pan Baffle

38551 Oil Pan Flange Head Bolts, SBC

93150 Oil Pan Gasket, Pre-'85 block with a 2 piece

No. 20195

rear main seal

93151 Oil Pan Gasket, '86-up block with a 1 piece

MOROSO

8-1/4"

9-3/8"

rear main seal

CHEVROLET SMALL BLOCK

Steel, Wet Sump, 7 Quart Capacity, 8-1/4" Deep Engine Application: Pre-1985 with 2 piece rear main seal Fits: Most chassis (may require cross-member modification)

- Kicked-out sump
- Accepts strokes up to 4.125" with steel rods
- Fits 4 bolt Dart, GM and Merlin main caps
- Provision for Universal Dipstick Kits No. 25970, No. 25971 or No. 25973
- Compatible with most starter/flywheel combinations

PART # DESCRIPTION

20195 Oil Pan, Steel, Clear Zinc, Street Performance, Deep Sump

PART # RECOMMENDED PICKUPS

24170 Fits: Moroso SBC Race Pump No. 22099, No. 22101 or M55 style pump
 24350 Fits: Moroso SBC HV Race Pump No. 22109, No. 22111 or M55HV style pump

24320* *Fits:* Moroso BBC Race Pump *No. 22150* or M77HV style pump

24360* *Fits:* M155HV/M10551 style pump

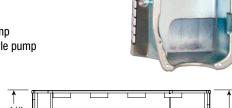
PART # OIL PUMP/PICKUP PACKAGE

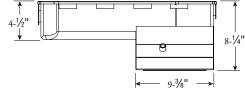
22124 Moroso Standard Volume Package22134 Moroso High Volume Package

22146* Moroso High Volume Package w/ ¾" dia. inlet

22139* Moroso High Volume with Anti-Cavitation Grooves Package

22171 Moroso Billet Aluminum Oil Pump





PART #	AVAILABLE OPTIONS	25971	Universal Dipstick Kit, Braided Stainless Flex Tube
00000	Mindone Tuess	05070	Universal Dinatials Vit Twist Look

23020Windage Tray25973Universal Dipstick Kit, Twist Lock23000Oil Pan Baffle38551Oil Pan Flange Head Bolts, SBC

25800 Crank Scraper **93150** Oil Pan Gasket, Pre-'85 block with a 2 piece rear main seal

25970 Universal Dipstick Kit *with baffle modification

PART # AVAILABLE OPTIONS 23020 Windage Tray 23000 Oil Pan Baffle

Steel, Wet Sump, 7 Quart Capacity, 8-1/4" Deep Engine Application: Pre-1985 with 2 piece rear seal

Fits: Most chassis (may require cross-member modification)

- Kicked-out sump
- Accepts up to 4.125" stroke with steel rods
- Fits 4 bolt Dart, GM and Merlin main caps
- Louvered windage tray
- Compatible with most starter/flywheel combinations
- Provision for Universal Dipstick Kits No. 25970, No. 25971 or No. 25973



20196 Oil Pan, Steel, Clear Zinc, Deep Sump

PART # RECOMMENDED PICKUPS

24170 Fits: Moroso SBC Race Pump No. 22099, No. 22101 or M55 style pump

24350 Fits: Moroso SBC HV Race Pump No. 22109. No. 22111 or M55HV style pump

24320* Fits: Moroso BBC Race Pump No. 22150 or M77HV style pump

24360* Fits: M155HV/M10551 style pump PART # **OIL PUMP/PICKUP PACKAGE** 22124 Moroso Standard Volume Package 22134 Moroso High Volume Package 22146*

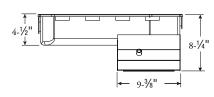
Moroso High Volume Package w/ 3/4" dia. inlet

22139* Moroso High Volume with Anti-Cavitation Grooves Package

22171 Moroso Billet Aluminum Oil Pump

*with baffle modification





PART # **AVAILABLE OIL PAN OPTION**

23000 Oil Pan Baffle 25800 Crank Scraper 25970 Universal Dipstick Kit

25971 Universal Dipstick Kit, Braided Stainless Flex Tube

25973 Universal Dipstick Kit, Twist Lock 38551 Oil Pan Flange Head Bolts, SBC

93150 Oil Pan Gasket, Pre-'85 block with a 2 piece rear

main seal

CHEVROLET SMALL BLOCK

Steel, Wet Sump, 6 Quart Capacity, 9" Deep Fits: 1962-'67 Chevy II (without power steering)

- Clears 4.125" stroke with most steel rods
- Fits 4 bolt Dart, GM and Merlin main caps
- · Notched sump clears steering linkage
- Compatible with most starter/flywheel combinations
- Reduces oil temperature

PART #	DESCRIPTION
20211	Oil Pan, Steel, Clear Zinc, Street Performance, Deep Sump
	Engine Application: Pre-1980 blocks with driver-side dipstick
20212	Oil Pan, Steel, Clear Zinc, Street Performance, Deep Sump
	Engine Application: 1986 & newer blocks with one-piece rear main seal
PART #	RECOMMENDED PICKUPS
24120	Fits: Moroso SBC Race Pump No. 22099 . No. 22101 or M55 style pump



24122 Fits: Moroso SBC HV Race Pump No. 22109, No. 22111 or M55HV style pump

PART# **AVAILABLE OIL PAN OPTION**

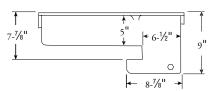
23000 Oil Pan Baffle 25800 Crank Scraper

38551 Oil Pan Flange Head Bolts, SBC

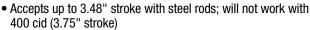
93150 Oil Pan Gasket, Pre-'85 block with a 2 piece rear main seal 93151 Oil Pan Gasket, '86-up block with a 1 piece rear main seal







Steel, Wet Sump, 6 Quart Capacity, 8-1/4" Deep Engine Application: Up to '85 with driver-side dipstick Fits: V8 Vega/Monza chassis



- Fits 4 bolt Dart, GM and Merlin main caps
- Trap door baffling for improved oil control
- · Specially designed to fit with stock Vega & Monza cross-member
- Reduces oil temperature
- Compatible with most starter/flywheel combinations

PART #	DESCRIPTION
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Oil Pan, Steel, Clear Zinc, Street Performance, Deep Sump 20230

PART# **RECOMMENDED PICKUPS**

24170 Fits: Moroso SBC Race Pump No. 22099, No. 22101 or M55 style pump 24350 Fits: Moroso SBC HV Race Pump No. 22109, No. 22111 or M55HV style pump

24320 Fits: Moroso BBC Race Pump No. 22150 or M77HV style pump

Fits: M155HV/M10551 style pump 24360 PART# **OIL PUMP/PICKUP PACKAGE** 22124 Moroso Standard Volume Package 22134 Moroso High Volume Package

Moroso High Volume Package w/ 3/4" dia. inlet 22146

22139 Moroso High Volume with Anti-Cavitation Grooves Package

22171 Moroso Billet Aluminum Oil Pump

PART # **AVAILABLE OPTIONS**

23000 Oil Pan Baffle 25800 Crank Scraper

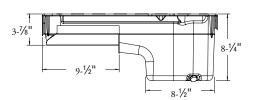
38551 Oil Pan Flange Head Bolts, SBC

93150 Oil Pan Gasket, Pre-'85 block with a 2 piece rear main seal



No. 20230





DRAG RACING

CHEVROLET SMALL BLOCK

Steel, Wet Sump, 7 Quart Capacity, 8-1/4" Deep Engine Application: Up to '85 and aftermarket (with stock width oil pan rails)

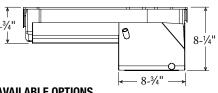
- Accepts 4" strokes with steel rods
- Core based oil pan utilizing stock pan rail bolt pattern
- 8-1/4" rear sump depth and 4-3/4" front sump depth
- Passenger-side kick-out for increased horsepower
- Solid louvered tray with main cap partitions for maximum power and oil control
- For use with 168 and 153-tooth flywheel combinations

DESCRIPTION Oil Pan, Steel, Clear Zinc with Driver-side Dipstick
RECOMMENDED PICKUPS Fits: Moroso SBC Race Pump No. 22099, No. 22101 or M55 style pur
Fits: Moroso SBC HV Race Pump No. 22109, No. 22111 or M55HV style pump
Fits: Moroso BBC Race Pump No. 22150 or M77HV style pump
Fits: M155HV/M10551 style pump, with slight tray modifications

PART # **OIL PUMP/PICKUP PACKAGE** 22124 Moroso Standard Volume Package 22134 Moroso High Volume Package 22146 Moroso High Volume Package w/ 3/4" dia. inlet 22139 Moroso High Volume with Anti-Cavitation Grooves Package Moroso Billet Aluminum Oil Pump 22171



No. 21017



AVAILABLE OPTIONS

Universal Dipstick Kit

Universal Dipstick Kit, Braided Stainless Flex Tube

Universal Dipstick Kit. Twist Lock Oil Pan Flange Head Bolts, SBC

Oil Pan Gasket, Pre-'85 block with a 2 piece rear

main seal

PART#

25970

25971

25973

38551

93150

Aluminum, Wet Sump, 8 Quart Capacity, 8-1/4" Deep

Engine Application: Pre-1985 Engine Blocks including Dart and Merlin

Fits: Super Stock/Bracket Cars, Dragsters, Roadsters or Body Cars with wet sump oil systems



- Aluminum, fully fabricated oil pan accepts 4.25" strokes with steel rods
- Double kick-out design ensures large stroke clearance, wide main cap clearance and maximum horsepower
- Billet end seals ensure consistent sealing surface to billet front covers and rear main caps
- For use with 168-tooth flywheel combination
- Solid lourvered tray for maximum power and oil control
- Features 0-ring magnetic drain plug, two 1/2" drain backs and dipstick bung



DESCRIPTION PART#

21234 Oil Pan, SBC, Two Piece Rear Main Seal Engine Blocks

PART # RECOMMENDED PICKUPS

24170 Fits: Moroso SBC Race Pump No. 22099, No. 22101 or M55 style pump

24350 Fits: Moroso SBC HV Race Pump No. 22109, No. 22111 or M55HV style pump



OIL PUMP/PICKUP PACKAGE PART#

22124 Moroso Standard Volume Package 22134 Moroso High Volume Package 22171 Moroso Billet Aluminum Oil Pump

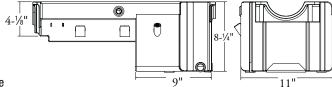
AVAILABLE OPTIONS PART#

25970 Universal Dipstick Kit

25971 Universal Dipstick Kit, Braided Stainless Flex Tube

25973 Universal Dipstick Kit, Twist Lock 62256 Wrench, Oil Pan T-Handle, 7/16", 6 PT 38385 Billet Nose Oil Pan Stud Kit

93150 Oil Pan Gasket, Pre-'85 block with a 2 piece rear main seal



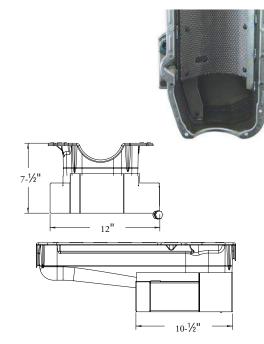


Steel, Wet Sump, 7 Quart Capacity, 7-1/2" Deep Sump, Road Race Baffled Fits: Most GM chassis (except 1962-'67 Chevy II, V-8 Vega and Monza)

- Clears 4.125" stroke with most steel rods
- Fits 4 bolt Dart, GM and Merlin main caps
- 3 trap door baffles, 2 runners for oil control in Road Racing. also an excellent Drag Race oil pan
- Has a built in crank scraper, removable screen windage tray and anti-slosh to free up horsepower
- Rear Sump is 7-1/2" deep, 12" wide and 10-1/2" long
- · Steel with a clear zinc finish
- · Compatible with most starter/flywheel combinations

PART #	DESCRIPTION
21813	Oil Pan, Steel, Clear Zinc, Road Race Baffled
	Engine Application: Pre- 1980 engine blocks with two
	piece seal/driver side dipstick
21814	Oil Pan, Steel, Clear Zinc, Road Race Baffled
	Engine Application: SBC '80-'85 engine blocks with two
	piece seal/passenger side dipstick & dart shp blocks
21815	Oil Pan, Steel, Clear Zinc, Road Race baffled
	Engine Application: SBC 1986 & Newer engine blocks
	with one piece seal/passenger side dipstick
PART #	RECOMMENDED PICKUPS
24212	Fits: Moroso SBC Race Pump No. 22099, No. 22101 or
	M55 style pump
24213	Fits: Moroso SBC HV Race Pump No. 22109, No. 22111
	or M55HV style pump
PART #	AVAILABLE OPTIONS
38551	Oil Pan Flange Head Bolts, SBC
93150	Oil Pan Gasket, Pre-'85 block with a 2 piece rear main seal
93151	Oil Pan Gasket, '86-up block with a 1 piece rear main seal
24213 PART # 38551 93150	M55 style pump Fits: Moroso SBC HV Race Pump No. 22109, No. 22111 or M55HV style pump AVAILABLE OPTIONS Oil Pan Flange Head Bolts, SBC Oil Pan Gasket, Pre-'85 block with a 2 piece rear main seal





CHEVROLET SMALL BLOCK

Steel, Wet Sump, 5.5 Quart Capacity, 7-1/2" Deep Engine Application: LT1, LT4, one-piece real seal Fits: 1993-'97 F-Body, Impala

- · Kicked-out sump and trap door baffling for improved oil control in drag racing, road racing and street applications
- Clears 4.125" stroke with most steel rods
- Windage screen
- 20mm fitting for the factory oil level sensor*
- Clears stock exhaust and Hedman®, Hooker®,

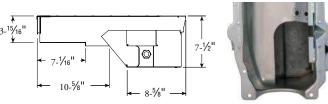
Boria [®] and similar-type neaders -7.116		7-1/16" >
PART # 20185	DESCRIPTION Oil Pan, Steel, Clear Zinc, Deep Sump	10-5%"
PART #	RECOMMENDED PICKUPS	
24212	Fits: Moroso SBC Race Pump No. 22099, No. 22101 or N	/155 style pump
24213	Fits: Moroso SBC HV Race Pump No. 22109, No. 22111	or M55HV style pump

PART# **AVAILABLE OPTIONS**

Plug, 20mm x 1.5, Male with Copper Washer 22738 93151 Oil Pan Gasket, '86-up block with a 1 piece rear main seal *If the factory low oil warning sensor is not going to be used, Part #22738,

20mm Plug with copper washer is available.



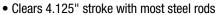


←	8-%" →	
	PART #	AVAILABLE OPTIONS
)	23700	Remote Oil Filter Mount
	23710	Remote Oil Filter Mount
	23750	Remote Oil Filter Mount
	23760	Remote Oil Filter Mount
	23766	Remote Oil Filter Mount
	38551	Oil Pan Flange Head Bolts, SBC

DRAG / ROAD RACING

CHEVROLET SMALL BLOCK

Steel, Wet Sump, 7 Quart Capacity, 7" Deep Sump, Road Race Baffled Fits: C-3 & C-4 Corvettes, Kit Cars and other low ground clearance applications



- Fits 4 bolt Dart, GM and Merlin main caps
- 5 trap door baffles for oil control in Road Racing, also an excellent Drag Race pan
- Has a built-in crank scraper, removable louvered windage tray for horsepower
- Rear Sump is 7" deep, 13-\%" wide and 12" long
- Includes 20mm fitting for oil level sensor, optional 20mm plug No. 22738 available for use when the factory low warning sensor is not going to be utilized
- Use stock dipstick; also has a 1/4" NPT fitting for Moroso Universal Dipsticks Nos. 25970, 25971 & 25973
- · Steel with a clear zinc finish
- Compatible with most starter/flywheel combinations

PART # **DESCRIPTION**

21811 Oil Pan, Steel, Clear Zinc, 7" Deep, Road Race Baffled

Engine Application: SBC 1986 & newer engine blocks with one-piece seal and

passenger side dipstick

21812 Oil Pan, Steel, Clear Zinc, 7" Deep, Road Race Baffled

Engine Application: Pre-1980 engine blocks with two-piece seal and driver-side dipstick

PART# RECOMMENDED PICKUPS

24811 Fits: M55 style Standard Volume Oil Pump in Moroso Part No. 21811 and No. 21812 24814 Fits: M55HV style High Volume Oil Pump in Moroso Part No. 21811 and No. 21812

PART# **AVAILABLE OPTIONS**

Plug, 20mm x 1.5, Male with Copper Washer 22738

25970 Universal Dipstick Kit

25971 Universal Dipstick Kit, Braided Stainless Flex Tube

25973 Universal Dipstick Kit, Twist Lock 38551 Oil Pan Flange Head Bolts, SBC

93150 Oil Pan Gasket, Pre-'85 block with a 2 piece rear main seal

Oil Pan Gasket, '86-up block with a 1 piece rear main seal



No. 21811



13-7/8"



Steel, Wet Sump, 7 Quart Capacity, 8" Deep

Engine Application: Pre-1980 with two-piece rear main seal or 1980-'85 with passenger-side dipstick

Fits: GM Metric Chassis, Hobby Stock/Super Stock

- . Three trap door baffles for oil control
- Built-in crank scraper
- Oil level sight plug
- · Accepts most starter and flywheel combinations
- Accepts 3.80" stroke with steel rods

DESCRIPTION PART #

21308 Oil Pan, Steel, Clear Zinc, Kicked-Out Sump

PART # RECOMMENDED PICKUPS

24308 Fits: Moroso SBC HV Race Pump No. 22109, No. 22111

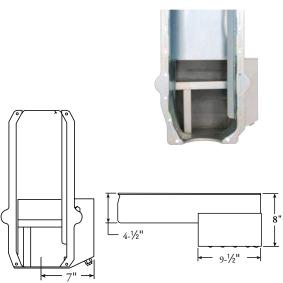
or M55HV style pump

AVAILABLE OPTIONS PART #

38551 Oil Pan Flange Head Bolts, SBC

93150 Oil Pan Gasket, Pre-'85 block with a 2 piece rear main seal



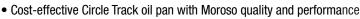


No. 21316

11111:1150

CHEVROLET SMALL BLOCK

Steel, Wet Sump, 7 Quart Capacity, 7-1/2" Deep Fits: GM 1978-'87 Metric Chassis, aftermarket and Camaro front ends



- Accepts 4.125" stroke with steel rods
- Fits 4 bolt Dart, GM and Merlin main caps
- Trap door baffles for oil control
- Removable louvered windage tray
- Built-in crankscraper
- Accepts most starter and flywheel combinations

PART # DESCRIPTION	
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21316 Oil Pan, Steel, Clear Zinc, Kicked-Out Sump

Engine Application: Pre-1980 blocks with driver-side dipstick

21317 Oil Pan, Steel, Clear Zinc, Kicked-Out Sump

Engine Application: 1980-'85 blocks with passenger-side dipstick

21320 Oil Pan, Steel, Clear Zinc, Kicked-Out Sump

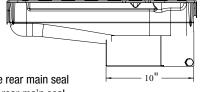
Engine Application: 1986 and newer blocks with one-piece

rear main seal

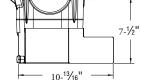
RECOMMENDED PICKUPS PART# Fits: Melling Oil Pump No. M55HV 24316 24317 Fits: Melling Oil Pump No. M55

AVAILABLE OPTIONS PART# 38555 Self-Locking Oil Pan Bolts

93150 Oil Pan Gasket, Pre-'85 block with a 2 piece rear main seal 93151 Oil Pan Gasket, '86-up block with a 1 piece rear main seal







Steel, Wet Sump, 7 Quart Capacity, 7-1/8" Deep Fits: GM Metric A-Body chassis, Street Stock and Late Model

- Five trap door baffles for oil control
- Engineered louvered tray system
- Oil level sight plug

PART # DESCRIPTION

- · Accepts most starter and flywheel combinations
- Accepts 3.80" stroke with steel rods

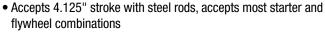
I AIII #	DESCRIPTION
21318	Oil Pan, Steel, Clear Zinc, Kicked-out Sump
	Engine Application: Pre-1980 blocks with two-piece
	rear main seal or 1980-'85 blocks with passenger-side dipstick
21319	Oil Pan, Steel, Clear Zinc, Kicked-out Sump
	Engine Application: 1986 and newer blocks with one-piece real
PART #	RECOMMENDED PICKUPS
24101	Fits: Flange Type Melling SBC Oil Pump M10555
24103	Fits: Moroso SBC Race Pump No. 22099, No. 22101 or
	M55 style pump
24104	Fits: Moroso SBC HV Race Pump No. 22109, No. 22111
	or M55HV style pump
24318	Fits: Moroso SBC HV Blueprinted Pump with 3/4" dia. inlet,
	Melling M155HV/M10551 style pump
22147	Fits: Moroso High Volume Package with 3/4" dia. inlet
PART #	AVAILABLE OPTIONS
38551	Oil Pan Flange Head Bolts, SBC
93150	Oil Pan Gasket, Pre-'85 block with a 2 piece rear main seal
93151	Oil Pan Gasket, '86-up block with a 1 piece rear main seal





CHEVROLET SMALL BLOCK

Steel, Wet Sump, 7 Quart Capacity, 7-1/2" Deep With 1" Inspection Bung to meet 2011 - Up IMCA Rules Fits: GM 1978-'87 Metric Chassis, aftermarket and Camaro front ends



• Fits 4 bolt Dart, GM and Merlin main caps

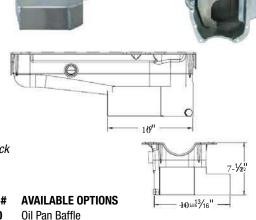
Fits: M55 style Oil Pump Pickup

24317

- Dimensions: 7-1/2" deep, 10" long by 10-13/16" wide sump
- Integrated 1" inspection bung with plug, no need for extra welding
- · A cost-effective Circle Track Oil Pan with Moroso quality & performance was unavailable until now
- Trap doors for oil control, removable louvered windage tray and

built-ir	n crankscraper	ĮŲ.
PART #	DESCRIPTION	
21322	Oil Pan, Steel, Clear Zinc, Circle Track	
	Engine Application: Pre-1980 blocks with driver-side dip	ostick
21323	Oil Pan, Steel, Clear Zinc, Circle Track	
	Engine Application: 1980-'85 blocks with passenger sig	le dipstick
21324	Oil Pan, Steel, Clear Zinc, Circle Track	
	Engine Application: 1986 and newer blocks with a	
	one-piece rear main seal	PART #
PART #	RECOMMENDED PICKUPS	23000
24316	Fits: M55HV style Oil Pump Pickup	38555
		00000





midsiasia

Self-Locking Oil Pan Bolts

93150 Oil Pan Gasket, Pre-'85 block with a 2 piece rear main seal

93151 Oil Pan Gasket, '86-up block with a 1 piece rear main seal

Steel, Wet Sump, 6 Quart Capacity, 6-1/2" Deep Fits: Fabricated tube chassis cars with lower engines

- Passenger-side kick-out for more horsepower
- Five trap door baffles for oil control
- Engineered louvered tray system
- Oil level sight plug
- · Accepts most starter and flywheel combinations
- Accepts 3.80" stroke with steel rods

PART # **DESCRIPTION** 21314 Oil Pan, Steel, Clear Zinc, Kicked-Out Sump Engine Application: Pre-1980 blocks with driver-side dipstick or 1980-'85 blocks with passenger-side dipstick Oil Pan, Steel, Clear Zinc, Kicked-Out Sump 21315 Engine Application: 1986 and newer blocks with one-piece rear main seal

RECOMMENDED PICKUPS PART#

24314 Fits: Moroso SBC Race Pump No. 22099, No. 22101

or M55 style pump

Fits: Melling M55HV style pump 24315

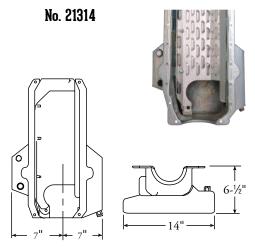
PART # **AVAILABLE OPTIONS**

38551 Oil Pan Flange Head Bolts, SBC

Oil Pan Gasket, Pre-'85 block with a 2 piece rear main seal 93150

93151 Oil Pan Gasket, '86-up block with a 1 piece rear main seal





CHEVROLET SMALL BLOCK

Steel, Wet Sump, 7 Quart Capacity, 7-1/8" Deep Fits: GM Metric A-Body chassis, Street Stock and Late Model

- Passenger-side kick-out for more horsepower
- Five trap door baffles for oil control
- Engineered louvered tray system
- Accepts most starter and flywheel combinations
- · Oil level sight plug
- Accepts 3.80" stroke with steel rods

PART # DE	ESCRIPTION
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21312 Oil Pan, Steel, Clear Zinc, Kicked-Out Sump

Engine Application: Pre-1980 blocks with driver-side dipstick

or 1980-'85 blocks with passenger-side dipstick

PART # **RECOMMENDED PICKUPS**

24101 Fits: Flange Type Melling SBC Oil Pump M10555 24103 Fits: Moroso SBC Race Pump No. 22099, No. 22101 or

M55 style pump

Fits: Moroso SBC HV Race Pump No. 22109, No. 22111 or 24104

M55HV style pump

Fits: Moroso SBC HV Blueprinted Pump with 3/4" dia. inlet, 24318

Melling M155HV/M10551 style pump

22147 Fits: Moroso High Volume Package with 3/4" dia. inlet

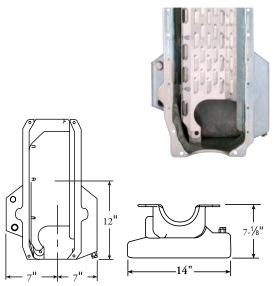
PART# **AVAILABLE OPTIONS**

38551 Oil Pan Flange Head Bolts, SBC

93150 Oil Pan Gasket, Pre-'85 block with a 2 piece rear main seal



No. 21312



CIRCLE TRACK

CHEVROLET SMALL BLOCK

Aluminum, Wet Sump, 9.5 Quart Capacity, 7-1/4" Deep

Fits: Sprint Car and any chassis with no cross-member under the engine

- Fully fabricated aluminum with billet end seals to ensure a consistent sealing surface
- Fits 4 bolt main cap blocks
- Large kick out design for maximum horsepower and oil temperature reduction
- Advanced oil containment system comprised of 5 Trap Doors & a diagonal runner
- Pan rail crank scraper & windage tray
- Inspection bung with plug
- Oil level check and a magnetic drain plug

PART #	DESCRIPTION

21330 SBC Oil Pan Fully Fabricated Aluminum with billet end seals, Wet Sump, Sprint Car

PART # RECOMMENDED PICKUPS

24101 Fits: Flange Type Melling SBC 0il Pump M10555
 24103 Fits: Moroso SBC Race Pump No. 22099, No. 22101 or M55 style pump

24104 Fits: Moroso SBC HV Race Pump No. 22109, No. 22111 or

M55HV style pump

24325 Fits: Moroso Part Nos. 22149, 22159, 22150, 22160 & 22162 and Melling

77/77HV style oil pumps 📂

PART # AVAILABLE OPTIONS

62256 Wrench, Oil Pan T-Handle, $\frac{7}{16}$, 6 PT

38385 Billet Nose Oil Pan Stud Kit

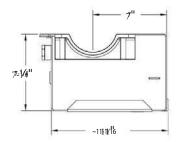
93150 Oil Pan Gasket, Pre-'85 block with a 2 piece rear main seal



No. 21330







360/410 SPRINT CAR

Aluminum, Dry Sump, 6-1/2" Deep

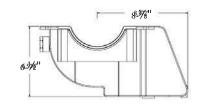
Fits: Sprint Car and any chassis with no cross-member under the engine

- Fully fabricated aluminum with billet end seals to ensure a consistent sealing surface
- Fits 4 bolt main cap blocks
- Large kick out design for maximum horsepower and oil temperature reduction
- Forward facing -12 AN female pickups
- Inspection bung with plug
- Internal runners to direct oil to the pickups
- Internal rear baffle that prevents oil from climbing up the back of the oil pan

PART #	DESCRIPTION
21553	Oil Pan, Fully Fabricated Aluminum with billet end seals
	Engine Application: SBC, 3 P/U, Sprint Car
21554	Oil Pan, Fully Fabricated Aluminum with billet end seals
	Engine Application: SBC, 2 P/U, Sprint Car
21555	Oil Pan, Fully Fabricated Aluminum with billet end seals
	Engine Application: Donovan H/C 410, 3 P/U, Sprint Car
21556	Oil Pan, Fully Fabricated Aluminum with billet end seals,
	Engine Application: Donovan H/C 410, 2 P/U, Sprint Car
PART #	AVAII ARI F OPTIONS

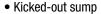






DART/ROCKET BLOCK

Steel, Wet Sump, 7 Quart Capacity, 8-1/4" Deep Engine Application: Dart/Rocket Block Fits: Most chassis with Dart/Rocket Blocks (may require cross-member modification)



- Trap door baffle for improved oil control
- Crank scraper welded to pan
- Uni-directional screen windage tray
- Compatible with most starter/flywheel combinations
- Requires BBC standard height oil pump shaft, Moroso No. 22080

PART # DESCRIPTION

20193 Oil Pan, Steel, Fully Fabricated, Clear Zinc, Street Performance, Deep Sump

PART # RECOMMENDED PICKUPS

24171 Fits: Moroso SBC Race Pump No. 22099, No. 22101 or M55 style pump
 24351 Fits: Moroso SBC HV Race Pump No. 22109, No. 22111 or M55HV style pump

PART # OIL PUMP/PICKUP PACKAGE

22163 Moroso Billet Aluminum Oil Pump, High Volume
 22164 Moroso Billet Aluminum Oil Pump, BBC, Standard Volume

PART # AVAILABLE OPTIONS

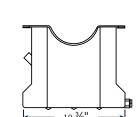
22080 Oil Pump Shaft25970 Universal Dipstick Kit

25971 Universal Dipstick Kit, Braided Stainless Flex Tube

25973 Universal Dipstick Kit, Twist Lock

38551 Oil Pan Flange Head Bolts, SBC





DRAG RACING

DART IRON EAGLE SMALL BLOCK

Steel, Wet Sump, 7 Quart Capacity, 8-1/4" Deep Engine Application: All Small Block Style Dart Iron Eagle Fits: Most chassis (may require cross-member modification)

- Accepts 4.25" strokes with steel rods
- For use with 168-tooth flywheel combination
- Partition-louvered windage tray
- Cross-member modifications may be required
- Requires BBC standard height oil pump shaft, Moroso No. 22080

PART # DESCRIPTION

21019 Oil Pan, Steel, Clear Zinc, Fully Fabricated

PART # RECOMMENDED PICKUPS

24171 Fits: Moroso SBC Race Pump No. 22099, No. 22101 or M55 style pump
 24351 Fits: Moroso SBC HV Race Pump No. 22109, No. 22111 or M55HV style pump

PART # OIL PUMP/PICKUP PACKAGE

22163 Moroso Billet Aluminum Oil Pump, BBC, High Volume22164 Moroso Billet Aluminum Oil Pump, BBC, Standard Volume

PART # AVAILABLE OPTIONS 22080 Oil Pump Shaft 25970 Universal Dipstick Kit

25970 Universal Dipstick Kit25971 Universal Dipstick Kit, Braided Stainless Flex Tube

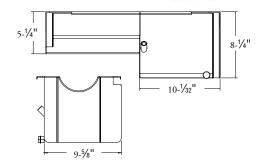
25973 Universal Dipstick Kit, Twist Lock38551 Oil Pan Flange Head Bolts, SBC



8-1/4"

8-1/4"





DRAG RACING

DART IRON EAGLE SMALL BLOCK

Aluminum, Wet Sump, 7 Quart Capacity w/ Standard Volume Pump, 8 Quart Capacity w/ High Volume Pump, 8-1/4" Deep Engine Application: All Small Block Style Dart Iron Eagle

Fits: Fabricated chassis and chassis with no cross-member

- Fully fabricated, aluminum
- Double kick-out design ensures large stroke clearance, wide main cap clearance and maximum horsepower savings
- For use with 168-tooth flywheel combination
- 1" deep mini sump design works with Moroso cast and billet oil pump pickups
- Internal uni-directional screen and pan rail bolt access bungs on passenger-side
- Requires BBC standard height oil pump shaft, Moroso No. 22080

PART # DESCRIPTION

21245 Oil Pan, Aluminum, Internal Oil Pump

PART # RECOMMENDED PICKUPS

24171 Fits: Moroso SBC Race Pump No. 22099, No. 22101 or M55 style pump
 24351 Fits: Moroso SBC HV Race Pump No. 22109, No. 22111 or M55HV style pump

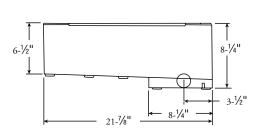
PART # OIL PUMP/PICKUP PACKAGE

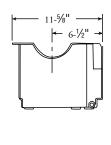
22163 Moroso Billet Aluminum Oil Pump, BBC, High Volume22164 Moroso Billet Aluminum Oil Pump, BBC, Standard Volume

PART # AVAILABLE OPTIONS

22080 Oil Pump Shaft

22704 Fitting, -12AN to -16AN Adapter 62255 Wrench, Oil Pan T-Handle, ½", 6 PT 62256 Wrench, Oil Pan T-Handle, ½", 6 PT 38551 Oil Pan Flange Head Bolts, SBC





CIRCLE TRACK

DART / BRODIX

Aluminum, Spread Rail

Fits: Sprint Car and any chassis with no cross-member under the engine

- Fully fabricated aluminum with billet end seals to ensure a consistent sealing surface
- Fits 4 bolt main caps
- Large kick out design for maximum horsepower and oil temperature reduction
- Forward facing -12 AN female pickups
- Inspection plug
- Internal runners to direct oil to the pickups
- Internal rear baffle that prevents oil from climbing up the back of the oil pan

PART # DESCRIPTION

21551 Oil Pan, Fully Fabricated Aluminum with billet end seals

Engine Application: Dart/Brodix (Spread Rail), 3 P/U, Sprint Car

21552 Oil Pan, Fully Fabricated Aluminum with billet end seals

Engine Application: Dart/Brodix (Spread Rail), 2 P/U, Sprint Car

PART # AVAILABLE OPTIONS

62255 Wrench, Oil Pan T-Handle, ½", 6 PT **62256** Wrench, Oil Pan T-Handle, ¾6", 6 PT **38551** Oil Pan Flange Head Bolts, SBC

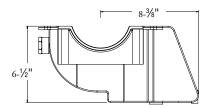


No. 21245

No. 21551





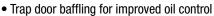


GM LS SERIES

Steel, Wet Sump, 7 Quart Capacity, 6" Deep, Baffled

Engine Application: GM LS Series

Fits: 1968-'72 Nova, 1965-'72 Chevelle, 1967-'69 Camaro, Can also be used in additional applications; check dimensions for clearance



- Clears 4.125" stroke with most steel rods
- Two -10AN fittings for remote filter installation
- Use stock dipstick

DESCRIPTION PART #

20140 Oil Pan, Steel, Clear Zinc **RECOMMENDED PICKUP** PART#

24050 Fits: Stock Oil Pumps or Moroso LS-1/LS-6 High Volume Race Pump No. 22120

PART# **AVAILABLE OPTIONS** 23683 Remote Oil Filter Adapter

23694 Oil Cooler/Filter Sandwich Adapter

23700 Remote Oil Filter Mount Remote Oil Filter Mount 23710 23750 Remote Oil Filter Mount 23760 Remote Oil Filter Mount 23766 Remote Oil Filter Mount

38541 Oil Pan Stud Kit

71162 Dust Shield for Moroso & Aftermarket Oil Pans

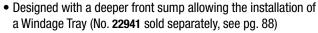
Oil Pan Gasket, One Piece Design, Steel Reinforced, GM LS Series (Except LS7 & LS9) 93152

NOTE: Front fitting is pressure, and the rear fitting is return.

GM LS SERIES Steel, Wet Sump, 7 Quart Capacity, 6" Deep, Angled Sump

Engine Application: GM LS Series

Fits: 1967-'92 Camaro, 1968-'78 Nova, 1965-'72 Chevelle, 1953-'96 Corvette, 1978-'88 G-Body and GM S-10/S-15 Two Wheel Drive Blazer/Truck. Can also be used in additional applications, check dimensions for clearance.



- Trap-door baffling for improved oil control
- Clears 4.125" stroke with most steel rods
- Two -10AN fittings for remote filter installation
- · Use stock dipstick

PART # **DESCRIPTION**

20141 Oil Pan, Steel, Clear Zinc Plated, GM LS Series

RECOMMENDED PICKUP PART#

24050 Stock Oil Pumps or Moroso LS-1/LS-6 High Volume Race Pump No. 22120

PART# **AVAILABLE OPTIONS**

22941 Windage Tray

23700 Remote Oil Filter Mount 23710 Remote Oil Filter Mount

23750 Remote Oil Filter Mount 23760 Remote Oil Filter Mount

23766 Remote Oil Filter Mount 23683 Remote Oil Filter Adapter

38541 Oil Pan Stud Kit

23694

71162 Dust Shield for Moroso & Aftermarket Oil Pans

Remote Oil Filter Adapter

93152 Oil Pan Gasket, One Piece Design, Steel Reinforced, GM LS Series (Except LS7 & LS9)

NOTE: Front fitting is pressure, and the rear fitting is return.





1001/4"

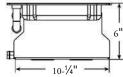


9911/16

8-3/8"







GM LS SERIES. REAR SUMP SWAP

Steel, Wet Sump, 5 Quart Capacity, 6" Deep, 8-1/2" Wide, 8-3/4" Long Engine Application: GM LS Series

Fits: LS Engine Conversions that require a Rear Sump (Check Measurements)

- Oil pan has a thick precision laser cut steel rail with a durable fabricated steel sump plated with a clear zinc finish
- Fabricated, durable steel construction is more adaptable to add fittings. change finishes and weighs less than cast aluminum construction
- Clears 4.125" stroke with most steel rods and can be used with Moroso No. 22941 windage tray
- Front of the oil pan is 1-1/2" deep to the beginning of the 6" Deep, 8-1/8" Wide, and 8-3/8" Long sump
- Anti-climb baffle
- Features a billet aluminum adapter that allows a 13/16" thread Moroso No. 22462 or O.E.M. oil filter to be mounted in the stock location, no need to run a remote oil filter
- Magnetic drain plug and uses a stock dipstick





20145 Oil Pan, Fully Fabricated, Steel, Rear Sump swap

PART# **RECOMMENDED PICKUP**

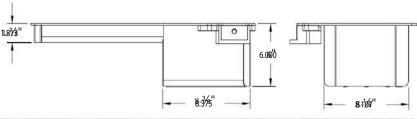
24050 Stock Oil Pumps or Moroso LS Series High Volume Race Pump No. 22120

PART # **AVAILABLE OPTIONS** 22462 Racing Oil Filter 22941 Windage Tray

38541 Oil Pan Mounting Stud Kit 71162 **Dust Shield for Moroso**

& Aftermarket Oil Pans

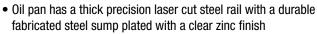
93152 Oil Pan Gasket, GM LS



GM LS SERIES, REAR SUMP SWAP. NARROW SUMP

Steel, Wet Sump, 5 Quart Capacity, 6" Deep, 8-5/16" Wide, 8-3/8" Long Engine Application: GM LS Series

Fits: LS Engine Conversions that require a narrower Rear Sump (Check Measurements) for "Block Hugger" headers



- Fabricated, durable steel construction is more adaptable to add fittings. change finishes and weighs less than cast aluminum construction
- Clears 4.125" stroke with most steel rods and can be used with Moroso No. 22941 Windage Trav
- Front of the oil pan is 1-1/4" deep to the beginning of the 6" Deep, 8-5/16" Wide, and 8-3/8" Long sump
- · Anti-climb baffle
- Features a detachable, remote oil filter adapter constructed out of billet aluminum with two straight -10AN ports
- Magnetic drain plug and uses a stock dipstick

PART # DESCRIPTION

20147 Oil Pan GM LS, Rear Sump, Swap, Fully Fabricated, Steel, Remote Oil Filter

PART # RECOMMENDED PICKUP

24050 Stock Oil Pumps or Moroso LS Series High Volume Race Pump No. 22120

PART# **AVAILABLE OPTIONS**

22941 Windage Tray

93152

38541 Oil Pan Mounting Stud Kit

71162 **Dust Shield for Moroso**

> & Aftermarket Oil Pans Oil Pan Gasket, GM LS

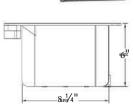
NOTE: Front fitting is pressure, and the rear fitting is return.







No. 20147



GM LS SERIES. REAR SUMP SWAP

Steel, Wet Sump, 5 Quart Capacity, 6" Deep, 8-5/6" Wide, 8-3/4" Long Engine Application: GM LS Series

Fits: LS Engine Conversions that require a narrower Rear Sump (Check Measurements) for "Block Hugger" headers





- Oil pan has a thick precision laser cut steel rail with a durable fabricated steel sump plated with a clear zinc finish
- · Fabricated, durable steel construction is more adaptable to add fittings, change finishes and weighs less than cast aluminum construction
- Clears 4.25" stroke with most steel rods
- Front of the oil pan is 1-1/8" deep to the beginning of the 6" Deep, 8-5/16" Wide, and 8-3/8" Long sump
- Anti-climb baffle
- Features a detachable, billet aluminum adapter that allows a 13/16" thread Moroso No. 22462 or O.E.M. oil filter to be mounted in the stock location, no need to run a remote oil filter
- Accepts Moroso No. 22941 Windage Tray
- Magnetic drain plug and uses a stock dipstick

PART # **DESCRIPTION** 20150 Oil Pan, GM LS, Rear Sump, Swap, Fully Fabricated, Steel, Spin-On Oil Filter 8-3/8" 8-1/4"

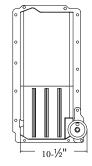
PART# RECOMMENDED PICKUP

24050 Pickup, Fits: Moroso LS-1/LS-6 High Volume Race Pump No. 22120

PART # **AVAILABLE OPTIONS** 22462 Oil Filter, Racing 22941 Windage Tray 38541 Oil Pan Stud Kit

71162 Dust Shield for Moroso & Aftermarket Oil Pans

93152 Oil Pan Gasket, One Piece Design, Steel Reinforced, GM LS Series (Except LS7 & LS9)



GM LS SERIES

Aluminum, Wet Sump, 6 Quart Capacity, 6" Deep, Baffled Engine Application: GM LS Series

Fits: Late Model F-Body Camaro, Firebird, Camaro 1993 - '02

- Includes tray and pickup
- Trap door baffle for improved oil control
- Clears 4.125" stroke with most steel rods
- Louvered windage trav

Loavoroa Williago day			
-10AN fitting for remote oil filter			
DESCRIPTION Oil Pan, Aluminum, Fully Fabricated with Billet Rail, Deep Sump, Tray and Pickup			
RECOMMENDED PICKUP Pickup, <i>Fits:</i> Moroso LS-1/LS-6 High Volume Race Pump No. 22120			
AVAILABLE OPTIONS			

Remote Oil Filter Mount 23750 23760 Remote Oil Filter Mount 23766 Remote Oil Filter Mount 38542 Oil Pan Stud Kit 71162 Dust Shield for Moroso & Aftermarket Oil Pans

93152 Oil Pan Gasket, One Piece Design, Steel Reinforced, GM LS Series (Except LS7 & LS9)



GM LS SERIES. CAMARO COPO

Aluminum, Wet Sump, 7 Quart Capacity, 7-1/2" Deep, Baffled

Engine Application: GM LS Series

Fits: 2012-Up COPO Camaro, Rear Sump Applications (Check Measurements)

- Part No. 21151 is standard equipment on the 2014 COPO Camaros, can be used to upgrade earlier cars or used on COPO tribute cars
- Is 6 lbs lighter than the cast aluminum oil pan that was used on the 2012 and 2013 cars
- Has a thick oil pan rail machined from billet aluminum with a fabricated aluminum sump with an internal anti-slosh baffle
- Features a billet aluminum Spin-On oil filter adapter with a 1/4" N.P.T. sensor port that accepts a 22mm-1.5 thread Moroso Part No. 22463 or O.E.M. Spin-On oil filter
- NHRA legal for stock eliminator



21151 Oil Pan, Aluminum, Fully Fabricated

REQUIRES THESE GM PARTS FOR INSTALLATION

GM PART #DESCRIPTION

12608579 Oil Pump Pick Up

12570788 Dipstick

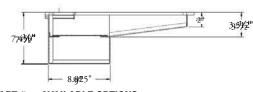
12570787 Dipstick Tube

12611129 Windage Tray*

*A.R.P. PART #200-8587 IS REQUIRED TO SPACE WINDAGE

TRAY ON 427 ENGINE





No. 21151

PART# **AVAILABLE OPTIONS** 93152 Oil Pan Gasket, GM LS

MOROSO

22463 Oil Filter, Moroso Racing 38542 Oil Pan, Mounting Stud Kit

71162 Dust Shield for Moroso & Aftermarket Oil Pans

DRAG / DRIFT / ROAD RACE

8853/5

GM LS SERIES. FRONT SUMP SWAP

Steel, Wet Sump, 6.5 Quart Capacity, 6" Deep, 14" Wide, 6-3/4" Long, Baffled Engine Application: GM LS Series

Fits: LS Engine Conversions that require a Front Sump (Check Measurements)

- Oil pan has a thick precision laser cut steel rail with a clear zinc finish
- Clears 4.125" stroke with most steel rods
- The fabricated steel sump is 6" Deep, 14" Wide, and 6-3/4" Long
- Features a race proven diamond shape four trap door assembly and removable anti-slosh baffle that keeps oil contained in oil pump pick up area during Drifting, Road Racing and Drag Racing
- Oil Pan Design moves oil away from the rotating assembly for oil control and horsepower saving
- Accepts GM Part # 12558253 Windage Tray with modification
- Designed to be used with 2004-2006 Pontiac GTO 0.E.M. Oil Pump Pick up, GM Part #12572654
- Two straight -10AN ports for remote filter installation
- Dipstick Fitting for required oil pan mounted dipstick
- Magnetic Drain Plug

PART # DESCRIPTION

20146 Oil Pan, GM LS, Front Sump Swap, Race Baffled, Fully Fabricated, Steel

REQUIRES THE FOLLOWING GM PARTS TO COMPLETE THE INSTALLATION OF PART NO. 20146 ON ENGINE **GM PART DESCRIPTION**

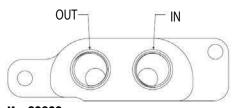
12572654 Oil Pump Pick Up

12558253 Windage Tray

PART # **AVAILABLE OPTIONS** 22120 Oil Pump GM LS, Race 25970 Universal Dipstick Kit

25971 Universal Dipstick Kit, Braided Stainless Flex Tube

25973 Universal Dipstick Kit, Twist Lock Oil Pan Mounting Stud Kit 38541 71162 Dust Shield, GM LS 93152 Oil Pan Gasket, GM LS



No. 23688 Remote Oil Filter Adapter, GM LS Series, Included with No. 20146



1 189040

GM LS SERIES Steel, Wet Sump, 7 Quart Capacity, 6" Deep

Early F-Body/Swap

Engine Application: GM LS Series

Fits: 1967-'92, 2010-'15 Camaro, 1968-'78 Nova, 1965-'72 Chevelle, 1953-'96 Corvette, 1978-'88 G-Body and GM S10/S15 Two Wheel Drive Blazer/Truck. Can also be used in additional applications; check dimensions for clearance





No. 20142 has a Billet Aluminum Spin-on Oil Filter Adapter that accepts a 13/16" thread. Moroso No. 22462 or O.E.M. oil filter to be mounted in the stock location.

No. 20148 has a Billet Aluminum Remote Oil Filter Adapter that has two straight -10AN ports for remote filter installation

- Oil pan has a thick precision laser cut steel rail and a clear zinc finish
- Clears 4.125" stroke with most steel rods
- Features a race proven diamond shape four trap door assembly and anti-slosh baffle that keeps oil contained in oil pump pick up area during road racing and drag racing
- . The 7 Quart Capacity moves the oil away from the rotating assembly for oil control and horsepower saving
- Uses stock dipstick
- Accepts GM Part # 12558253 Windage Tray with modification

PART # DESCRIPTION

20142 Oil Pan, GM LS, Early/Swap F-Body Race Baffled, Spin-on Oil

Filter Adapter

Oil Pan GM LS Early/Swap F-Body Race Baffled, Remote Oil 20148

Filter Adapter

PART# RECOMMENDED PICKUP

24050 Stock Oil Pumps or Moroso LS Series High Volume

Race Pump No. 22120

PART# **AVAILABLE OPTIONS** 38541 Oil Pan Stud Kit

71162 Dust Shield for Moroso & Aftermarket Oil Pans

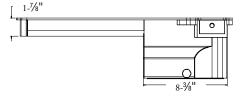
93152 Oil Pan Gasket, One Piece Design, Steel Reinforced, GM LS

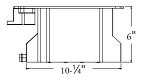
Series (Except LS7 & LS9)









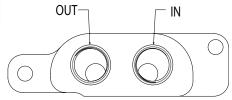




No. 20142 Spin-on Oil Filter Adapter



No. 20148 Remote Filter Adapter



No. 23688 Remote Oil Filter Adapter, GM LS Series, Included with No. 20148

DRAG / DRIFT / ROAD RACE

GM LS SERIES Steel, Wet Sump, 7 Quart Capacity, 6" Deep

Engine Conversion Race Baffled, Angled Sump, Fully

Fabricated Steel Oil Pan

Engine Application: GM LS Series

Fits: 1967-'92, 2010-'15 Camaro, 1968-'78 Nova, 1965-'72 Chevelle, 1953-'96 Corvette, 1978-'88 G-Body and GM S10/S15 Two Wheel Drive Blazer/Truck. Can also be used in additional applications; check dimensions for clearance



No. 20143 has a Billet Aluminum Spin-on Oil Filter Adapter that accepts a 13/16" thread. Moroso No. 22462 or O.E.M. oil filter to be mounted in the stock location.

No. 20149 has a Billet Aluminum Remote Oil Filter Adapter that has two straight -10AN ports for remote filter installation

- Oil pan has a thick precision laser cut steel rail and a clear zinc finish
- Clears 4.125" stroke with most steel rods and can be used with Moroso Part No. 22941 Windage Tray (see page 110)
- The sump is 8 3/8" long and 10 1/4" wide
- · Features a race proven diamond shape four trap door assembly and anti-slosh baffle that keeps oil contained in oil pump pick up area during road racing and drag racing
- The 7 Quart Capacity moves the oil away from the rotating assembly for oil control and horsepower saving
- · Uses stock dipstick

93152



1-13/16"



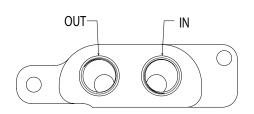
Oil Pan Gasket, One Piece Design, Steel Reinforced, GM LS Series (Except LS7 & LS9)



No. 20143 Spin-on Oil Filter Adapter



No. 20149 Remote Filter Adapter



10-1/4"

8-3/8"

No. 23688 Remote Oil Filter Adapter, GM LS Series, Included with No. 20149

DUST SHIELD. GM LS SERIES

- Covers the exposed flywheel (and clutch in standard transmission vehicles) when using an aftermarket oil pan on a GM LS Series Engine
- Manufactured from .100 thick aluminum
- Includes mounting hardware

PART # DESCRIPTION

71162 Dust Shield, GM LS Series



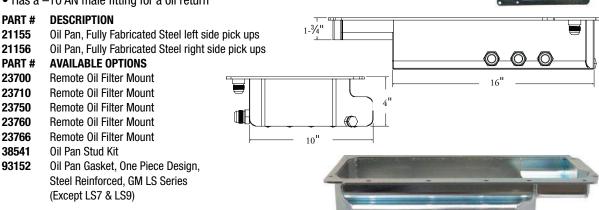
No.71162

GM LS

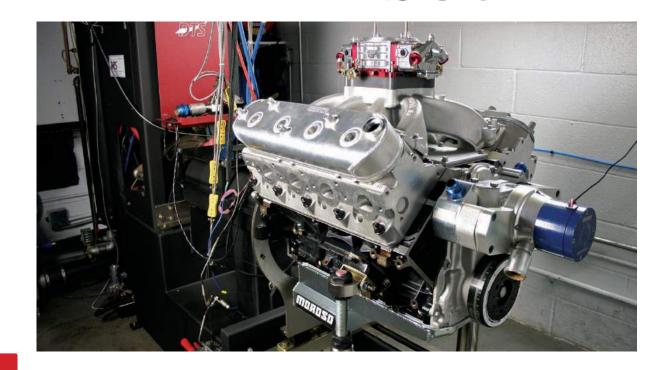
Steel, Dry Sump, Fully Fabricated Steel

- For GM LS Series Engine Blocks
- Has versatile 3 scavenge –12 AN male pick up design allows the oil pan
 to be used as a Circle Track or Road Race Oil Pan, would also make an
 excellent Drag Race or Off Road oil pan
- Oil pan has a 3/16" thick precision laser cut steel rail with a 14 gauge steel sump to stand up to the toughest racing conditions
- Front of the oil pan is 1-3/4" deep to the beginning of the 4" deep sump
- The sump is 16" long and 10" wide
- Clears 4.125" stroke with most steel rods
- Wrap around Anti-Slosh Baffle
- Has a −10 AN male fitting for a oil return





No. 21156



DART LS NEXT

Wet Sump, 7 Quart Capacity, 6" Deep, Baffled Engine Application: Dart LS Next Engine Blocks Fits: 1967-'92 Camaro, 1968-'78 Nova, 1965-'72 Chevelle, 1953-'96 Corvette, 1978-'88 G-Body, and GM S10/S15 Two Wheel Drive Blazer/Truck

- Kit includes Dart LS Next oil pan and Moroso No. 22934, Billet Aluminum Spacers with mounting hardware
- Oil pan has a 3/16" thick precision laser cut steel rail specifically designed for the LS Next Engine Block
- Features a trap door baffle and a removable windage tray that wraps around the oil pump for horsepower savings and oil control
- Has a 16 gauge steel sump to stand up to the toughest racing conditions
- Front of the oil pan is 2" deep to the beginning of the 6" deep sump
- The sump is 8-1/2" long and 8-5/8" wide
- Clears 4.125" stroke with most steel rods
- The included billet aluminum spacers that mount between the engine block and the oil pan with the supplied mounting hardware, sealing via the built in 0-ring groove and requires a GM LS Gasket
- Billet aluminum spacers have mounting holes for A/C and P/S brackets
- Uses stock 0EM LS dipstick

PART # **DESCRIPTION**

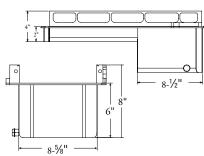
20144 Oil Pan. Fully Fabricated Steel PART # **RECOMMENDED PICKUP**

24144 Stock Oil Pumps or Moroso LS Series High Volume Race Pump No. 22120

PART # **AVAILABLE OPTIONS**

93152 Oil Pan Gasket, One Piece Design, Steel Reinforced, GM LS Series

(Except LS7 & LS9)



No. 20144

DART LS NEXT

Wet Sump, 7 Quart Capacity, 6" Deep, Baffled Engine Application: Dart LS Next Non-skirted Engine Blocks with Moroso Billet Aluminum Spacer Kit

Fits: 1967-'92 Camaro, 1968-'78 Nova, 1965-'72 Chevelle, 1953-'96 Corvette, 1978-'88 G-Body, and GM S10/ S15 Two Wheel Drive Blazer/Truck

- Pan does not include Moroso Oil Pan Spacer Kit No. 22934
- Oil pan has a 3/16" thick precision laser cut steel rail specifically designed for the LS Next Engine Block
- Features a trap door baffle and a removable windage tray that wraps around the oil pump for horsepower savings and oil control
- . Has a 16 gauge steel sump to stand up to the toughest racing conditions
- Front of the oil pan is 2" deep to the beginning of the 6" deep sump
- The sump is 8-1/2" long and 8-5/8" wide
- . Clears 4.125" stroke with most steel rods

PART # **DESCRIPTION**

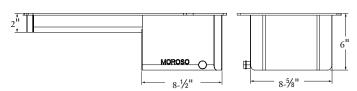
20151 Oil Pan, DART LS NEXT, Fully Fabricated Steel

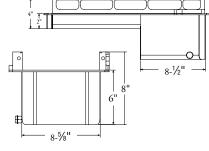
PART # RECOMMENDED PICKUP

24144 Stock Oil Pumps or Moroso LS Series High Volume Race Pump No. 22120

PART# **AVAILABLE OPTIONS** 22934 Oil Pan Spacer Kit

93152 Oil Pan Gasket, One Piece Design, Steel Reinforced, GM LS Series (Except LS7 & LS9)









No. 20151



GM LT SERIES, REAR SUMP SWAP

Aluminum, Wet Sump, 5 Quart Capacity, 5-7/8" Deep, 8-5/8", Wide, 8-1/2" Long

Engine Application: GM LT Series

Fits: LT Engine Conversions that require a Rear Sump (Check Measurements)

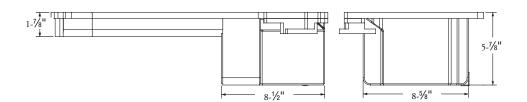
- Due to the O.E.M. GM LT oil pans having the oil pump pick up built into the oil pan, our LT oil pan has a thick billet aluminum O-ringed rail incorporates a removable pick up, a billet front sump and a location to mount our billet aluminum spin-on oil filter adapter
- Fabricated aluminum construction is more adaptable to add fittings, change finishes and weighs less than cast aluminum construction
- Front of the oil pan is 1-7/8" deep to the beginning of the 5-7/8" Deep, 8-5/8" Wide, and 8-1/2" Long sump
- Features a trap door baffle and a removable windage tray that wraps around the oil pump pick up for horsepower savings and oil control
- Includes a billet aluminum adapter that allows a 22mm thread Moroso No. 22463 Racing or O.E.M. oil filter to be mounted in the stock location, no need to run a remote oil filter
- For dipstick, use GM part No.12643278 dipstick and GM part No.12652951 dipstick tube

PART # DESCRIPTION

20155 Oil Pan, GM LT, Rear Sump, Swap, Aluminum







Steel, Wet Sump, 5 Quart Capacity, 7-3/4" Deep Engine Application: Stock Replacement for GM Stock

2 or 4-Bolt Main Blocks

Fits: Most Chassis w/Mark IV Engines

- Can be used with GM 2-bolt and 4-bolt blocks
- · Anti-slosh internal baffling
- Accepts up to 4.25" stroke with steel rods
- Uses O.E.M. Dipstick/ Grommet

PART # DESCRIPTION

20449 Oil Pan, Steel, Clear Zinc, Stock Configuration

PART # RECOMMENDED PICKUPS

24448 Fits: Moroso BBC Race Pump No. 22149, 22150, 22159,

22160 and 22162 or M77/M77HV style pump

PART # OIL PUMP/PICKUP PACKAGE 22195 Moroso High-Volume Package

PART # AVAILABLE OPTION

93153 Oil Pan Gasket, One Piece Design, Steel Reinforced, BBC

Mark IV, notched for stroker cranks



CHEVROLET BIG BLOCK

Steel, Wet Sump, 7 Quart Capacity, 9" Deep

Engine Application: Mark IV style (except Gen V and Gen VI)
Fits: Most chassis except 1962-'67 Chevy II, V8 Vega/Monza and
1955-'57 Chevy

- Stock style baffle
- Notched pan rails accept strokes up to 4.50" with most aluminum rods
- Compatible with most starter/flywheel combinations

PART # DESCRIPTION

20451 Oil Pan, Steel, Clear Zinc, Street Performance, Deep Sump

PART # RECOMMENDED PICKUPS

24430 Fits: Moroso BBC Race Pump Nos. 22149, 22150, 22159,

22160, 22162 or M77/M77HV style pump

PART # AVAILABLE OPTIONS

23030 Windage Tray (may require some modification)

23010 Oil Pan Baffle25830 Crank Scraper25970 Universal Dipstick Kit

25971 Universal Dipstick Kit, Braided Stainless Flex Tube

25973 Universal Dipstick Kit, Twist Lock38361 Oil Pan Fastener Kit, BBC Race Pans

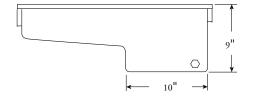
93153 Oil Pan Gasket, One Piece Design, Steel Reinforced, BBC Mark IV,

notched for stroker cranks









Steel, Wet Sump, 8 Quart Capacity, 9-3/4" Deep

Engine Application: Mark IV style (except Gen V and Gen VI)
Fits: Most chassis except 1962-'67 Chevy II, V8 Vega/Monza and
1955-'57 Chevy

- · Stock style baffle
- Notched pan rails accept strokes up to 4.50" with most aluminum rods
- Compatible with most starter/flywheel combinations

PART # DESCRIPTION

20460 Oil Pan, Steel, Clear Zinc, Street Performance Sump

PART # RECOMMENDED PICKUPS

24450 Fits: Moroso BBC Race Pump Nos. 22149, 22150, 22159, 22160,

22162 or M77/M77HV style pump

PART # AVAILABLE OPTIONS

23030 Windage Tray (may require some modification)

23010 Oil Pan Baffle25830 Crank Scraper25970 Universal Dipstick Kit

25971 Universal Dipstick Kit, Braided Stainless Flex Tube

25973 Universal Dipstick Kit, Twist Lock

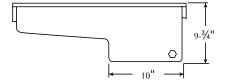
93153 Oil Pan Gasket, One Piece Design, Steel Reinforced, BBC Mark IV,

notched for stroker cranks



No. 20460





CHEVROLET BIG BLOCK

Steel, Wet Sump, 6.5 Quart Capacity, 8" Deep, 10" Long Sump Engine Application: Mark IV Style (except for Gen V and Gen VI) Fits: Most Chassis (except 1962-'67 Chevy II, V-8 Vega/Monza, and 1955-'57 Chevy)

- Designed with a sump that has flat sides to alleviate header clearance problems with some exhaust header brands
- Flat sides eliminate the need to change headers or perform fabrication work to the kicked-out sump of the oil pan
- Based on a stroker oil pan core that will accommodate a 4.50" stroke with most steel rods and 4.25" stroke with most aluminum rods
- Features a crank scraper and uni-directional windage tray for horsepower
- Trap door baffling and an anti-climb baffle for oil control under hard acceleration and de-acceleration

PART # DESCRIPTION
20408 Oil Pan, Steel, Clear Zinc
PART # RECOMMENDED PICKUPS

24440 *Fits:* Stock Oil Pumps, Moroso BBC Race Pump

Nos. 22149, 22150, 22159, 22160, 22162 or M77/M77HV style pump

24441* *Fits:* Stock Oil Pumps, Moroso BBC Race Pump *Nos.* **22150. 22160. 22162** or M77/M77HV style pump

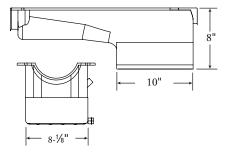
PART # OIL PUMP/PICKUP PACKAGE
22175 Moroso Standard Volume Package
22185 Moroso High Volume Package

22186* Moroso High Volume Package with Front Style Offset Pickup
 22163 Moroso Billet Aluminum Oil Pump, BBC, High Volume
 22164 Moroso Billet Aluminum Oil Pump, BBC, Standard Volume

*Offset to middle of sump for more consistent oil pressure under braking







PART # AVAILABLE OPTIONS 25970 Universal Dipstick Kit

25971 Universal Dipstick Kit, Braided Stainless Flex Tube

25973 Universal Dipstick Kit, Twist Lock

93153 Oil Pan Gasket, One Piece Design, Steel Reinforced,

BBC Mark IV, notched for stroker cranks

STREET / STRIP

CHEVROLET BIG BLOCK

Steel, Wet Sump, 7 Quart Capacity, 8" Deep

Engine Application: Mark IV style (except Gen V and Gen VI) Fits: Most chassis except 1962-'67 Chevy II, V8 Vega/Monza and 1955-'57 Chevy

- Kicked-out sump
- Trap door baffling for improved oil control
- Notched pan rails accept strokes up to 4.250"with steel rods, 4.090" with aluminum rods
- Compatible with most starter/flywheel combinations



20401 Oil Pan, Steel, Clear Zinc, Street Performance, Deep Sump

PART # RECOMMENDED PICKUPS

24440 Fits: Moroso BBC Race Pump Nos. 22149, 22150, 22159, 22160, 22162 or M77/M77HV style pump

24441* Fits: Moroso BBC Race Pump Nos. 22149, 22150, 22160, 22162 or M77/M77HV style pump

PART # OIL PUMP/PICKUP PACKAGE

22175 Fits: Moroso Standard Volume Package22185 Fits: Moroso High Volume Package

22186* Fits: Moroso High Volume Package/Front Style Offset Pickup

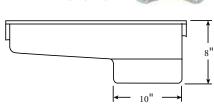
22163 Moroso Billet Aluminum Oil Pump, BBC, High Volume

22164 Moroso Billet Aluminum Oil Pump, BBC, Standard Volume



23030 Windage Tray
23010 Oil Pan Baffle
25830 Crank Scraper
25970 Universal Dipstick Kit

*Offset to middle of sump for more consistent oil pressure under braking



No. 20401

PART # AVAILABLE OPTIONS

25971

Universal Dipstick Kit, Braided Stainless Flex Tube

25973 Universal Dipstick Kit, Twist Lock

93153 Oil Pan Gasket, One Piece Design, Steel Reinforced,

BBC Mark IV, notched for stroker cranks

CHEVROLET BIG BLOCK

Steel, Wet Sump, 7 Quart Capacity, 8" Deep

Engine Application: Mark IV style (except Gen V and Gen VI) Fits: Most chassis except 1962-'67 Chevy II, V8 Vega/Monza and 1955-'57 Chevy

- · Kicked-out sump and crank scraper
- · Uni-directional windage screen
- · Rear anti-climb baffle
- Trap door baffling for improved oil control
- Notched pan rails accept strokes up to 4.250" with steel rods, 4.090" with aluminum rods
- Compatible with most starter/flywheel combinations

PART # DESCRIPTION

20403 Oil Pan, Steel, Clear Zinc, Street Performance, Deep Sump

PART # RECOMMENDED PICKUPS

24440 Fits: Moroso BBC Race Pump Nos. 22149, 22150, 22159, 22160, 22162 or M77/M77HV style pump

24441* Fits: Moroso BBC Race Pump Nos. 22149, 22150, 22159, 22160, 22162 or M77/M77HV style pump

PART # OIL PUMP/PICKUP PACKAGE

22175 Fits: Moroso Standard Volume Package22185 Fits: Moroso High Volume Package

22186* Fits: Moroso High Volume Package/Front Style Offset Pickup

22163 Moroso Billet Aluminum Oil Pump, BBC, High Volume

22164 Moroso Billet Aluminum Oil Pump, BBC, Standard Volume

PART # AVAILABLE OPTIONS

23010 Oil Pan Baffle

25970 Universal Dipstick Kit

25971 Universal Dipstick Kit, Braided Stainless Flex Tube

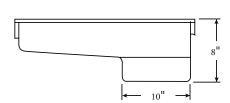
25973 Universal Dipstick Kit, Twist Lock38361 Oil Pan Fastener Kit, BBC Race Pans

93153 Oil Pan Gasket, One Piece Design, Steel Reinforced, BBC Mark IV, notched for stroker cranks

*Offset to middle of sump for more consistent oil pressure under braking

No. 20403





22164

CHEVROLET BIG BLOCK

Steel, Wet Sump, 6 Quart Capacity, 8" Deep

Engine Application: Mark IV style (except Gen V and Gen VI) Fits: Most chassis including 1965-'72 Chevelle, Cutlass, Skylark, Tempest and GTO, except 1962-'67 Chevy II, V8 Vega/Monza and 1955-'57 Chevy

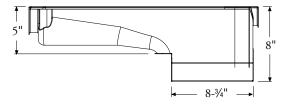


- · Clears rear steer center links in GM A-Body cars
- Rear sump has been shortened 1-1/4" for additional cross-member clearance
- Trap door baffling for improved oil control
- Notched pan rails accept strokes up to 4.50" with most aluminum rods
- Compatible with most starter/flywheel combinations

PART # 20412	DESCRIPTION Oil Pan, Steel, Clear Zinc, Rear Sump
PART #	RECOMMENDED PICKUPS
24440	Fits: Moroso BBC Race Pump Nos. 22149, 22150, 22159, 22160, 22162 or M77/M77HV style pump
24441*	Fits: Moroso BBC Race Pump Nos. 22149, 22150, 22159,
	22160, 22162 or M77/M77HV style pump
PART #	OIL PUMP/PICKUP PACKAGE
22175	Moroso Standard Volume Package or M77 style pump
22185	Moroso High Volume Package or M77HV style pump
22186*	Moroso High Volume Package/Front Style Offset Pickup
	or M77HV style pump
22163	Moroso Billet Aluminum Oil Pump, BBC, High Volume

*Offset to middle of sump for more consistent oil pressure under braking

Moroso Billet Aluminum Oil Pump, BBC, Standard Volume



AVAILABLE OPTIONS PART# 23030 Windage Tray 23010 Oil Pan Baffle 25830 Crank Scraper 25970 Universal Dipstick Kit

Universal Dipstick Kit, Braided Stainless Flex Tube 25971

25973 Universal Dipstick Kit, Twist Lock 38361 Oil Pan Fastener Kit, BBC Race Pans 93153

Oil Pan Gasket, One Piece Design, Steel Reinforced.

BBC Mark IV, notched for stroker cranks

CHEVROLET BIG BLOCK Steel, Wet Sump, 7 Quart Capacity, 9" Deep

Engine Application: Mark IV style (except Gen V and Gen VI) Fits: 1962-'67 Chevy II (without power steering) and 1955-'57 Chevys; transmission must be in stock position

Notched rear sump clears steering linkage

Accepts strokes up to 4.250" with steel rods, 4.090" with aluminum rods

Compatible with most starter/flywheel combinations

DESCRIPTION PART#

20431 Oil Pan, Steel, Clear Zinc, Street Performance, Deep Sump, Core Based

PART# RECOMMENDED PICKUPS

Fits: Moroso BBC Race Pump Nos. 22149, 22150, 22159, 22160, 24430

22162 or M77/M77HV style pump



25970 Universal Dipstick Kit

25971 Universal Dipstick Kit, Braided Stainless Flex Tube

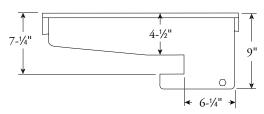
25973 Universal Dipstick Kit, Twist Lock 38361 Oil Pan Fastener Kit, BBC Race Pans

93153 Oil Pan Gasket, One Piece Design, Steel Reinforced, BBC Mark IV,

notched for stroker cranks





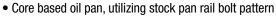


DRAG RACING

CHEVROLET BIG BLOCK

Steel, Wet Sump, 7 Quart Capacity, 7-3/4" Deep

Engine Application: Mark IV style (except Gen V and Gen VI) Fits: Alcohol Funny Car, Dragster, Tractor Pull, Racing Boats and 4x4s



- Box design sump for high capacity applications
- Pan clears 4.50" stroke with steel rods, 4.25" stroke with aluminum rods
- · Solid louvered tray for increased oil control
- For use with 168 and 153-tooth flywheel combinations



20032 Oil Pan, Steel, Clear Zinc PART# **RECOMMENDED PICKUPS**

24446 Fits: Moroso BBC Race Pump Nos. 22149, 22150, 22159, 22160, 22162

or M77/M77HV style pump

PART# **AVAILABLE OPTIONS**

38361 Oil Pan Fastener Kit, BBC Race Pans

93153 Oil Pan Gasket, One Piece Design, Steel Reinforced, BBC Mark IV,

notched for stroker cranks







CHEVROLET BIG BLOCK

Steel, Wet Sump, 6 Quart Capacity, 8" Deep

Engine Application: Mark IV style (except Gen V and Gen VI) Fits: Most chassis (may require cross-member modification)

- Kicked-out sump
- Accepts strokes up to 4.625" with steel rods, 4.250" with aluminum rods
- Anti-slosh baffling
- Compatible most starter/flywheel combinations

PART # **DESCRIPTION**

Oil Pan, Steel, Clear Zinc, Deep Sump, Core Based 20406

PART# **RECOMMENDED PICKUPS**

24440 Fits: Moroso BBC Race Pump Nos. 22149, 22150, 22159, 22160, 22162 or M77/M77HV style pump

Fits: Moroso BBC Race Pump Nos. 22149, 22150, 22159, 22160, 22162 24441* or M77/M77HV style pump

4-15/16"

PART# **OIL PUMP/PICKUP PACKAGE**

22175 Moroso Standard Volume Package 22185 Moroso High Volume Package

22186* Moroso High Volume Package/Front Style Offset Pickup

Moroso Billet Aluminum Oil Pump, BBC, High Volume 22163

22164 Moroso Billet Aluminum Oil Pump, BBC, Standard Volume

PART# **AVAILABLE OPTIONS**

23030 Windage Tray 23010 Oil Pan Baffle 25830 Crank Scraper 25970 Universal Dipstick Kit

Universal Dipstick Kit, Braided Stainless Flex Tube 25971

Universal Dipstick Kit, Twist Lock 25973 38361 Oil Pan Fastener Kit, BBC Race Pans

93153 Oil Pan Gasket, One Piece Design, Steel Reinforced, BBC Mark IV, notched for

stroker cranks



No. 20406



8-13/16"

^{*}Offset to middle of sump for more consistent oil pressure under braking

Steel, Wet Sump, 6 Quart Capacity, 8" Deep

Engine Application: Mark IV style (except Gen V and Gen VI) Fits: Most chassis (may require cross-member modification)

- Kicked-out sump
- Trap door baffling for improved oil control
- Modified front sump to accept larger stroke
- Accepts strokes up to 4.625" with steel rods, 4.250" with aluminum rods
- Compatible with most starter/flywheel combinations



20405 Oil Pan, Steel, Clear Zinc, Street Performance, Deep Sump, Stroker Pan, Core Based

PART # RECOMMENDED PICKUPS

24440 Fits: Moroso BBC Race Pump Nos. 22149, 22150, 22159, 22160, 22162

or M77/M77HV style pump

24441* FFits: Moroso BBC Race Pump Nos. 22149, 22150, 22159, 22160, 22162

or M77/M77HV style pump

PART # OIL PUMP/PICKUP PACKAGE
22175 Moroso Standard Volume Package
22185 Moroso High Volume Package

22186* Moroso High Volume Package/Front Style Offset Pickup
 22163 Moroso Billet Aluminum Oil Pump, BBC, High Volume
 22164 Moroso Billet Aluminum Oil Pump, BBC, Standard Volume

PART # AVAILABLE OPTIONS

23030 Windage Tray
23010 Oil Pan Baffle
25830 Crank Scraper
25970 Universal Dipstick Kit

*Offset to middle of sump for more consistent oil pressure under braking

5"

No. 20405

PART # AVAILABLE OPTIONS

25971 Universal Dipstick Kit, Braided Stainless Flex Tube

25973 Universal Dipstick Kit, Twist Lock 93153 Oil Pan Gasket. One Piece Design

Oil Pan Gasket, One Piece Design, Steel Reinforced,

10"

BBC Mark IV, notched for stroker cranks

No. 21047

CHEVROLET BIG BLOCK

Steel, Wet Sump, 6 Quart Capacity w/ Standard Volume Pump,

7 Quart Capacity w/ High Volume Pump, 8" Deep

Engine Application: Mark IV style (except Gen V and Gen VI)

Fits: Bracket Race cars and Budget Super Stock cars; Some modifications necessary to fit cross-membered cars

- Core based oil pan, utilizing stock pan rail bolt pattern
- Passenger-side kick-out for horsepower savings
- 8" rear depth, 5" front depth
- Louvered steel tray with main cap partitions for maximum power and oil control
- For use with 168 and 153-tooth flywheel combinations
- Clears most cross-members
- Accepts 4.50" stroke with most aluminum rods

PART # DESCRIPTION

21047 Oil Pan, Steel, Clear Zinc

PART # RECOMMENDED PICKUPS

24440 Fits: Moroso BBC Race Pump Nos. 22149, 22150, 22159, 22160, 22162 or M77/M77HV style pump

24441* Fits: Moroso BBC Race Pump Nos. 22149, 22150, 22159, 22160, 22162 or M77/M77HV style pump

PART # OIL PUMP/PICKUP PACKAGE
22175 Moroso Standard Volume Package

22185 Moroso High Volume Package
 22186* Moroso High Volume Package/Front Style Offset Pickup
 22163 Moroso Billet Aluminum Oil Pump, BBC, High Volume
 22164 Moroso Billet Aluminum Oil Pump, BBC, Standard Volume

22187 Moroso High Volume Package with Windage Shield

AVAILABLE OPTIONS
Universal Dipstick Kit

25970 Universal Dipstick Kit
25971 Universal Dipstick Kit, Braided Stainless Flex Tube
25973 Universal Dipstick Kit, Twist Lock
93153 Oil Pan Gasket, One Piece Design, Steel Reinforced,

BBC Mark IV, notched for stroker cranks

*Offset to middle of sump for more consistent oil pressure under braking

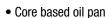
NOTE: Oil Pan Capacities DO NOT include oil filter capacity. All Moroso Pans include a Magnetic Drain Plug.

PART#

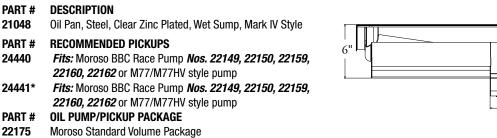
DRAG RACING

CHEVROLET BIG BLOCK

Steel, Wet Sump, 7 Quart Capacity, 6" Front Depth, 8" Rear Depth Engine Application: Mark IV Style (except Gen V & Gen VI) Fits: Bracket and Budget Super Stock cars. Some modifications may be necessary to fit crossmembered cars.

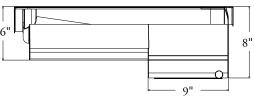


- · Kick-out for horsepower savings
- Accepts 4.75" stroke with most steel rods, and 4.5" with most aluminum rods
- Partitioned and louvered windage tray with main cap dividers separates oil guickly from rotating assembly for ultimate oil control and maximum horsepower gain
- Includes provisions to accept Moroso Dipstick Kit Parts Nos. 25970, 25971, 25973
- Used with GM-style or Tilton-style starter and 168-tooth flywheel
- · Clear zinc plating for durability and corrosion resistance



PART # 22175 22185 Moroso High Volume Package 22186 Moroso High Volume Package/Front Style Offset Pickup* 22163 Moroso Billet Aluminum Oil Pump, BBC, High Volume 22164 Moroso Billet Aluminum Oil Pump, BBC, Standard Volume 22187 Moroso High Volume Package with Windage Shield

*Offset to middle of sump for more consistent oil pressure under braking



No. 21048

AVAILABLE OPTIONS PART# 25970 Universal Dipstick Kit

25971 Universal Dipstick Kit, Braided Stainless Flex Tube

No. 21049

25973 Universal Dipstick Kit, Twist Lock

Oil Pan Gasket, One Piece Design, Steel Reinforced, 93153

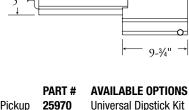
BBC Mark IV, notched for stroker cranks

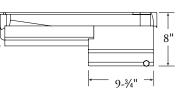
CHEVROLET BIG BLOCK

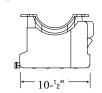
Steel, Wet Sump, 6 Quart Capacity with Standard Volume Pump, 7 Quart Capacity with High Volume Pump, 8" Deep Engine Application: Mark IV Style (except Gen V & Gen VI) Fits: Bracket Race cars and Budget Super Stock cars: Some modifications necessary to fit cross-membered cars

- Core based oil pan
- · Kick-out for horsepower savings
- 8" rear depth, 5" front depth with louvered steel tray
- Directional baffle across front of pan to direct oil to sump for oil control under hard acceleration
- For use with 168 and 153-tooth flywheel combinations
- Accepts 4.75" stroke with most steel rods, and 4.5" with most aluminum rods









Universal Dipstick Kit, Braided Stainless Flex Tube 25973 Universal Dipstick Kit, Twist Lock 93153 Oil Pan Gasket, One Piece Design, Steel Reinforced

BC Mark IV. notched for stroker cranks

*Offset to middle of sump for more consistent oil pressure under braking

Aluminum, Wet Sump, 6 Quart Capacity w/ Standard Volume Pump, 7 Quart Capacity w/ High Volume Pump, 8" Deep Engine Application: Mark IV style (except Gen V and Gen VI) Fits: Competition Eliminator, Super Gas, Super Comp and Bracket cars. Installation may require modifications to cross-member; check dimensions carefully before ordering



- Fully fabricated aluminum, billet end seals to ensure consistent sealing surface to billet front covers and rear main caps
- Utilizes "race" pan rail bolt pattern, recommended oil pan gasket, Fel Pro Part No. 1863
- Double kick-out design ensures large stroke clearance and wide main cap clearance
- Solid louvered tray w/ main cap partitions for maximum power and oil control
- For use with 168-tooth flywheel combination
- Sump design works with Moroso spur gear and gerotor billet oil pumps
- · Billet end seals ensure consistent sealing surface to billet front covers and rear main caps
- Accepts 4.75" with aluminum rods
- Features two 1/2" NPT Drainbacks

PART # DESCRIPTION

20385 Oil Pan, Aluminum, Internal Wet Sump

PART # RECOMMENDED PICKUPS

24440 Fits: Moroso BBC Race Pump Nos. 22149, 22150, 22159, 22160, 22162 or M77/M77HV style pump

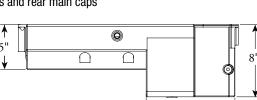
24441* Fits: Moroso BBC Race Pump Nos. 22149, 22150, 22159,

22160, 22162 or M77/M77HV style pump

PART # OIL PUMP/PICKUP PACKAGE
22175 Moroso Standard Volume Package
22185 Moroso High Volume Package

22186* Moroso High Volume Package/Front Style Offset Pickup
 22163 Moroso Billet Aluminum Oil Pump, BBC, High Volume
 22164 Moroso Billet Aluminum Oil Pump, BBC, Standard Volume
 22167 Moroso Billet Aluminum High Volume Oil Pump

*Offset to middle of sump for more consistent oil pressure under braking



PART #	AVAILABLE OPTIONS
25970	Universal Dipstick Kit
25971	Universal Dipstick Kit, Braided Stainless Flex Tube
25973	Universal Dipstick Kit, Twist Lock
62255	Wrench, Oil Pan T-Handle, ½", 6 PT
38361	Oil Pan Fastener Kit, BBC Race Pans

9-7/8

CHEVROLET BIG BLOCK

Aluminum, Wet Sump, 6 Quart Capacity w/Standard Volume Pump 7 Quart Capacity w/High Volume Pump, 8" Deep Engine Application: Mark IV style (except Gen V and Gen VI) Fits: Competition Eliminator, Super Gas, Super Comp and Bracket Cars. Installation may require modifications to cross-member;

- Fully fabricated aluminum, billet end seals to ensure consistent sealing surface to billet front covers and rear main caps
- Utilizes "race" pan rail bolt pattern, recommended oil pan gasket, Fel Pro Part No. 1863
- Double kick-out design ensures up to 4.75" stroke with aluminum rods, wide main cap clearance and maximum horsepower
- Solid louvered windage tray w/main cap partitions for maximum power and oil control
- Sump design works with Moroso spur gear and gerotor billet oil pumps
- Features two 0-ring magnetic drain plugs, two –8AN drain backs, alternator notch
- For use with 168-tooth flywheel combination
- Pump adjustment bung with plug

PART # DESCRIPTION

20485 Oil Pan, BBC Gen IV, Alum. w/Div. Tray

PART # RECOMMENDED PICKUPS

24440 Fits: Moroso BBC Race Pump Nos. 22149, 22150, 22159, 22160,

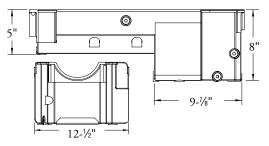
22162 or M77/M77HV style pump

24441* Fits: Moroso BBC Race Pump Nos. 22149, 22150, 22159,

22160, 22162 or M77/M77HV style pump

PART # OIL PUMP/PICKUP PACKAGE
22175 Moroso Standard Volume Package
22185 Moroso High Volume Package





22186*	Moroso High Volume Package/Front Style
	Offset Pickup

22163 Moroso Billet Aluminum Oil Pump, BBC, High Volume

22164 Moroso Billet Aluminum Oil Pump, BBC, Standard Volume

22167 Moroso Billet Aluminum High Volume Oil Pump

*Offset to middle of sump for more consistent oil pressure under braking

PART #	AVAILABLE OPTIONS
COOFE	Wrongh Oil Don T Hor

62255 Wrench, Oil Pan T-Handle, ½", 6 PT **38361** Oil Pan Fastener Kit, BBC Race Pans

Aluminum, Wet Sump, 6 Quart Capacity w/ Standard Volume Pump, 7 Quart Capacity w/ High Volume Pump, 8" Deep

Engine Application: Mark IV style (except Gen V and Gen VI)

Fits: Competition Eliminator, Super Gas, Super Comp and Bracket cars with no cross-member under engine

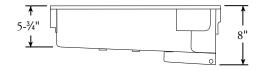
- Fully fabricated, aluminum; utilizes "race" pan rail bolt pattern
- Double kick-out design ensures large stroke clearance, wide main cap clearance and maximum horsepower
- Internal uni-directional screen and pan rail bolt access bungs
- For use with 168-tooth flywheel combination
- 1" deep mini sump design works with Moroso spur gear and gerotor billet oil pumps
- Billet end seals ensure consistent sealing surface to billet front covers and rear main caps
- Accepts 4.75" stroke with aluminum rods
- Recommended oil pan gasket, Fel Pro Part No. 1863

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PART #	DESCRIPTION
21600	Oil Pan, Aluminum, Internal Oil Pump
PART #	RECOMMENDED PICKUPS
24440	Fits: Moroso BBC Race Pump Nos. 22149, 22150, 22159, 22160,
	22162 or M77/M77HV style pump
24441*	Fits: Moroso BBC Race Pump Nos. 22149, 22150, 22159, 22160,
	22162 or M77/M77HV style pump
PART #	OIL PUMP/PICKUP PACKAGE
22167	Moroso Billet Aluminum High Volume Oil Pump
22175	Moroso Standard Volume Package
22185	Moroso High Volume Package

^{*}Offset to middle of sump for more consistent oil pressure under braking







ART#	ΛII	DIIMP	/PICKLIP	PACKAGE
Anı#	UIL	PUIVIE	/FIGNUE	PAUNAUE

Moroso High Volume Package/Front Style

Offset Pickup

22186*

22163 Moroso Billet Aluminum Oil Pump, BBC,

High Volume

22164 Moroso Billet Aluminum Oil Pump, BBC.

Standard Volume

PART# **AVAILABLE OPTIONS**

22704 Fitting, -12AN to -16AN Adapter 62255 Wrench, Oil Pan T-Handle, 1/2", 6 PT 38361 Oil Pan Fastener Kit, BBC Race Pans

CHEVROLET BIG BLOCK

Aluminum, Wet Sump, 6 Quart Capacity w/ Standard Volume Pump, 7 Quart Capacity w/ High Volume Pump, 8" Deep Engine Application: Mark IV style (except Gen V and Gen VI) Fits: Top Sportsman, Top Dragster Pro Mods needing wet sump and

ability for frequent lower-end inspection

- Fully fabricated, aluminum; utilizes "race" pan rail bolt pattern
- Removable bottom with o-ring billet flange
- Internal uni-directional screen
- Power kick-out design for maximum horsepower
- For use with 168-tooth flywheel combination
- Sump design works with Moroso spur gear and gerotor billet oil pumps
- Billet end seals ensure consistent sealing surface to billet front covers and rear main caps
- Accepts 4.75" stroke with aluminum rods
- Recommended oil pan gasket, Fel Pro Part No. 1863

PART # **DESCRIPTION**

20376 Oil Pan, Two-piece, Gen IV Block, Mark IV Style

PART # **RECOMMENDED PICKUPS**

24440 Fits: Moroso BBC Race Pump Nos. 22150, 22160, 22162 or M77/M77HV style pump

Fits: Moroso BBC Race Pump Nos. 22150, 22160, 22162 24441* or M77/M77HV style pump

OIL PUMP/PICKUP PACKAGE PART#

22167 Moroso Billet Aluminum High Volume Oil Pump

22175 Moroso Standard Volume Package 22185 Moroso High Volume Package

22186* Moroso High Volume Package/Front Style Offset Pickup

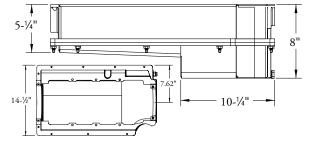
22163 Moroso Billet Aluminum Oil Pump, BBC, High Volume

22164 Moroso Billet Aluminum Oil Pump, BBC, Standard Volume



No. 20376





REPLACEMENT PART PART #

97319 0-Rina

PART# **AVAILABLE OPTIONS**

38361 Oil Pan Fastener Kit, BBC Race Pans *Offset to middle of sump for more consistent oil pressure under braking

Aluminum, Dry Sump, 7-1/2" Deep

Engine Application: Mark IV style (except Gen V and Gen VI) Fits: Competition Eliminator, Top Dragster, Top Sportsman, Super Comp, Super Gas & Bracket Cars

- 7-1/2" deep for diaper clearance
- Fully fabricated, aluminum
- (4) -12AN female pickups
- Power kick-out design for maximum horsepower
- For use with 153 and 168-tooth flywheel combination
- · Billet end seals ensure consistent sealing surface to billet front covers and rear main caps
- Accepts 5.00" stroke with aluminum rods
- Recommended oil pan gasket, Fel Pro Part No. 1863

DESCRIPTION

Oil Pan, Aluminum, 4-Stage 21581

AVAILABLE OPTIONS PART#

23961 -12AN Filter Pickup Fittings 38361

62255

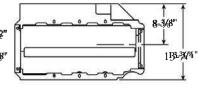
Oil Pan Fastener Kit, BBC Race Pans Wrench, Oil Pan T-Handle, 1/2", 6 PT

5-1/2



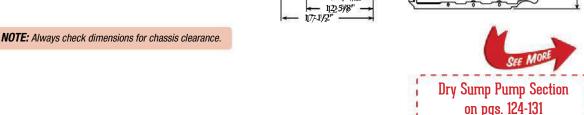
No. 21581







on pgs. 124-131

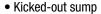




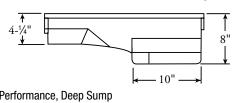
Steel, Wet Sump, 6 Quart Capacity, 8" Deep

Engine Application: Gen V/Gen VI

Fits: Most GM Chassis, front steering; including 1965-'72 Chevelle, Cutlass, Skylark, Tempest/GTO



- Accommodates stock GM main cap mounted windage tray
- Removable anti-slosh tray
- Trap door baffling for improved oil control
- · Rear anti-climb baffle
- Accepts strokes up to 4.250" with steel rods
- Compatible with most starter/flywheel combinations





PART	т.	DESCRIPTION

Oil Pan, Steel, Fully Fabricated, Clear Zinc, Street Performance, Deep Sump 20411

PART# **RECOMMENDED PICKUPS**

Fits: Moroso BBC Race Pump Nos. 22149, 22150, 22159, 22160, 22162 or M77/M77HV style pump 24440 Fits: Moroso BBC Race Pump Nos. 22149, 22150, 22159, 22160, 22162 or M77/M77HV style pump 24441*

OIL PUMP/PICKUP PACKAGE PART# 22175 Moroso Standard Volume Package 22185 Moroso High Volume Package

Moroso High Volume Package/Front Style Offset Pickup 22186* 22163 Moroso Billet Aluminum Oil Pump, BBC, High Volume 22164 Moroso Billet Aluminum Oil Pump, BBC, Standard Volume

*Offset to middle of sump for more consistent oil pressure under braking

PART# **AVAILABLE OPTIONS** 25970 Universal Dipstick Kit

25971 Universal Dipstick Kit, Braided Stainless Flex Tube

25973 Universal Dipstick Kit, Twist Lock

Oil Pan Gasket, One Piece Design, Steel Reinforced, 93154

No. 20411

BBC Gen 5 & 6



Steel, Wet Sump, 6 Quart Capacity, 8" Deep

Engine Application: Gen V/Gen VI

Fits: Most GM Chassis, most rear steering; including 1964-'72 Chevelle, Cutlass, Skylark, Tempest/GTO



Accommodates the stock GM main cap mounted windage tray

Accepts strokes up to 4.625" with steel rods, 4.250" with aluminum rods

Compatible with most starter/flywheel combinations

DESCRIPTION PART #

20413 Oil Pan, Steel, Clear Zinc, Street Performance, Deep Sump, Core Based

PART# RECOMMENDED PICKUPS

24440 Fits: Moroso BBC Race Pump Nos. 22149, 22150, 22159, 22160, 22162

or M77/M77HV style pump

24441* Fits: Moroso BBC Race Pump Nos. 22149, 22150, 22159, 22160, 22162

or M77/M77HV style pump PART# **OIL PUMP/PICKUP PACKAGE**

22175 Moroso Standard Volume Package 22185 Moroso High Volume Package

22186* Moroso High Volume Package/Front Style Offset Pickup 22163 Moroso Billet Aluminum Oil Pump, BBC, High Volume

22164 Moroso Billet Aluminum Oil Pump, BBC, Standard Volume

PART# **AVAILABLE OPTIONS**

23030 Windage Tray 23010 Oil Pan Baffle 25830 Crank Scraper 25970 Universal Dipstick Kit

25971 Universal Dipstick Kit, Braided Stainless Flex Tube

Universal Dipstick Kit, Twist Lock 25973

93154 Oil Pan Gasket, One Piece Design, Steel Reinforced, BBC Gen 5 & 6

*Offset to middle of sump for more consistent oil pressure under braking





8-3/4"

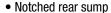
NOTE: Oil Pan Capacities DO NOT include oil filter capacity. All Moroso Pans include a Magnetic Drain Plug.

4-15/16

Steel, Wet Sump, 7 Quart Capacity, 9" Deep Engine Application: Gen V and Gen VI

Fits: 1962-'67 Chevy II (without power steering) and

1955-'57 Chevys: transmission must be in stock position



Accepts strokes up to 4.250" with steel rods, 4.090" with aluminum rods

Compatible with most starter/flywheel combinations

PART # DESCRIPTION

20433 Oil Pan, Steel, Fully Fabricated, Clear Zinc, Street Performance, Deep Sump

PART # RECOMMENDED PICKUPS

24430 Fits: Moroso BBC Race Pump Nos. 22149, 22150, 22159, 22160, 22162

or M77/M77HV style pump

PART # AVAILABLE OPTIONS

23010 Oil Pan Baffle25970 Universal Dipstick Kit

25971 Universal Dipstick Kit, Braided Stainless Flex Tube

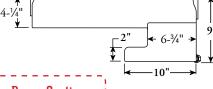
25973 Universal Dipstick Kit, Twist Lock

93154 Oil Pan Gasket, One Piece Design, Steel Reinforced, BBC Gen 5 & 6



MOROSO

No. 20433





Wet Sump Pump Section on pgs. 112-123

DRAG RACING

DONOVAN. DRC2. MERLIN

Aluminum, Wet Sump, 6 Quart Capacity w/Standard Volume Pump, 7 Quart Capacity w/ High Volume Pump, 8" Deep

Fits: Competition Eliminator, Super Gas, Super Comp, and Bracket cars. Installation may require modifications to cross-member; check dimensions carefully before ordering

- Fully fabricated, aluminum
- Internal uni-directional screen and pan rail bolt access bungs
- For use with 168-tooth flywheel combinations
- Sump design works with Moroso spur gear & gerotor billet oil pumps
- Billet end seals ensure consistent sealing surface to billet front covers and rear main caps
- Double kick-out design ensures large stroke and wide main cap clearance and max horsepower
- Accepts 5.00" stroke with aluminum rods

PART # DESCRIPTION

20372 Oil Pan, Aluminum, Internal Oil Pump. Engine Application: Donovan 700, DRC2 Pan Rail

PART # RECOMMENDED PICKUPS

24440 Fits: Moroso BBC Race Pump Nos. 22149, 22150, 22159,

22160, 22162 or M77/M77HV style pump

24441* Fits: Moroso BBC Race Pump Nos. 22149, 22150, 22159,

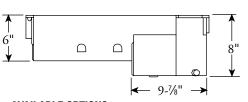
22160, 22162 or M77/M77HV style pump

PART # OIL PUMP/PICKUP PACKAGE
22175 Moroso Standard Volume Package
22185 Moroso High Volume Package

Moroso High Volume Package/Front Style Offset Pickup
 Moroso Billet Aluminum Oil Pump, BBC, High Volume
 Moroso Billet Aluminum Oil Pump, BBC, Standard Volume

22167 Moroso Billet Aluminum High Volume Oil Pump

*Offset to middle of sump for more consistent oil pressure under braking



PART # AVAILABLE OPTIONS

25970 Universal Dipstick Kit

25973

62255

38361

25971 Universal Dipstick Kit, Braided Stainless Flex Tube

No. 20372

Universal Dipstick Kit, Twist Lock Wrench, Oil Pan T-Handle, ½", 6 PT Oil Pan Fastener Kit, BBC Race Pans

No. 21592

DRAG RACING

DONOVAN. DRC2. MERLIN

Aluminum, Dry Sump, Front Depth 7-1/2", Rear Depth 8-1/2"

Engine Application: Donovan 700, DRC2

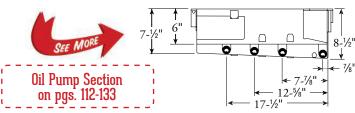
Fits: Competition Eliminator, Super Gas, Super Comp and Bracket cars with no cross-member under engine

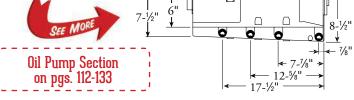
- Fully fabricated, aluminum; utilizes "race" pan rail bolt pattern
- (4) -12AN female pickups
- Power kick-out design for maximum horsepower
- Internal uni-directional screen
- For use with 168-tooth flywheel combination
- Billet end seals ensure consistent sealing surface to billet front covers and rear main caps
- Accepts 5.30" stroke with aluminum rods



21592 Oil Pan, Aluminum, 5-Stage, Passenger-Side Starter

AVAILABLE OPTIONS PART # 23961 -12AN Filter Pickup Fittings Wrench, Oil Pan T-Handle, 1/2", 6 PT 62255 38361 Oil Pan Fastener Kit, BBC Race Pans





DONOVAN. DRC2. MERLIN

Aluminum, Dry Sump, Front Depth 7-1/2", Rear Depth 8-1/2" Engine Application: Donovan 700, DRC2 Fits: Donovan Style blocks with 10" and 10-3/8" wide pan rails and 2-piece rear main seal

- Fully fabricated, aluminum
- Removable bottom with o-ring billet flange
- (3) -12AN female pickups
- Power kick-out design for maximum horsepower
- Internal uni-directional screen
- For use with 168-tooth flywheel combination
- Billet end seals ensure consistent sealing surface to billet front covers and rear main caps
- Accepts 5.30" stroke with aluminum rods

PART # DESCRIPTION

21597 Oil Pan, Aluminum, Two-piece, 4-Stage, Passenger-Side Starter

PART # **AVAILABLE OPTIONS** 23961 -12AN Filter Pickup Fittings

Oil Pan Fastener Kit, BBC Race Pans 38361

PART # REPLACEMENT PART

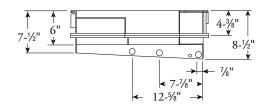
97319 0-Ring

This pan design is also available for other engines and engine combinations.



No. 21597





CHRYSLER SMALL BLOCK Wet Sump, 8 Quart Capacity, 10" Deep

Wet Sump, 8 Quart Capacity, 10" Deep Engine Application: 273-340, 360 Magnum

Fits: Most production chassis

Anti-slosh baffling

• Compatible with most starter/flywheel combinations

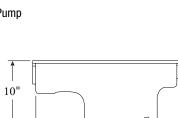
PART # DESCRIPTION

20710 Oil Pan, Steel, Clear Zinc, Street Performance, Deep Sump,

Stock Core Based

PART # RECOMMENDED PICKUPS

24700 Fits: Stock Oil Pumps or Chrysler 2468489 Pump



< 7-¾" >

No. 20710



MURUSU

CHRYSLER SMALL BLOCK

Wet Sump, 8 Quart Capacity, 10" Deep Engine Application: 360, Non-360 Magnum Fits: Most production chassis

- Anti-slosh baffling
- Clears 4" stroke with steel rods
- Compatible with most starter/flywheel combinations

PART # DESCRIPTION

20730 Oil Pan, Steel, Clear Zinc, Street Performance, Deep Sump,

Stock Core Based

PART # RECOMMENDED PICKUPS

24700 Fits: Stock Oil Pumps or Chrysler 2468489 Pump

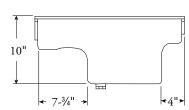
PART # AVAILABLE OPTION

38195 Oil Pump Pickup Stud, recommended for

Moroso Pickup No. 24770







DRAG / ROAD RACING

Aluminum, Wet Sump, 11 Quart Capacity Engine Application: Chrysler 5.7/6.1/6.4

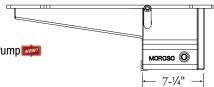
Fits: Chrysler 5.7/6.1/6.4 based engines In the Chrysler LX Series platform, with front sump K-members, including 300C, Challenger, Charger and Magnum

- Robust billet aluminum oil pan rail with a fabricated aluminum "T" sump
- Has road race trap door baffles, which provide oil control in both Drag and Road Racing and spirited driving
- Extra oil capacity over stock oil pans is essential due to this engine family holding extra oil in the heads
- Features anti-slosh baffle, oil temperature fitting and a super charger drain back fitting
- To be used with Moroso No. 71161, Stainless Steel Dust Shield

PART # DESCRIPTION

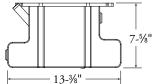
21161 Oil Pan, Aluminum, Front Sump PART # RECOMMENDED PICKUPS 24161 Fits: Stock Oil Pump

Fits: Block with Bed plate or Stock Oil Pump 24602



No. 21161





DUSTSHIELD

• Fits Dodge auto and manual transmissions when using Moroso Oil Pan No. 21161

· Manufactured from Stainless Steel

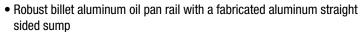
DESCRIPTION PART # 71161 **Dust Shield**



CHRYSLER 5.7/6.1/6.4

Aluminum, Wet Sump, 5.3 Quart Capacity Engine Application: Chrysler 5.7/6.1/6.4

Fits: Chrysler 5.7/6.1/6.4 based engines in the Chrysler LX Series platform with Drag Pack or modified cross member, also can be used in other rear sump applications, check measurements for fit

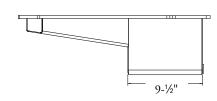


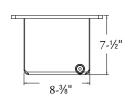
- Front of the oil pan is 2" Deep sloping down to 4" Deep where it meets the 7-1/2" Deep, 8-3/8" Wide, and 9-1/2" Long sump
- Features factory "Drag Pack Race Proven" trap door baffle and anticlimb baffle
- To be used with Moroso No. 71161, Stainless Steel Dust Shield
- On a custom basis 6.2 Hellcat versions are available, contact Moroso Tech Department 203-458-0542

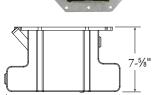


27601 Oil Pan, Aluminum, Rear Sump

RECOMMENDED PICKUP PART # 24601 Fits: Stock Oil Pump









CHRYSLER 361-440, 426 HEMI Steel, Wet Sump, 5 Quart Capacity, 5" Deep

Engine Application: 361-440 and 426 Street Hemi

Fits: Work well in chassis with extra-low front suspensions. Will not fit 1962-'65 production chassis and is not recommended for

racing applications due to it's shallow sump design



Compatible with most starter/flywheel combinations

PART # **DESCRIPTION**

20766 Oil Pan, Chrysler 361-440, 426 Hemi

Part# **Recommended Pickup** 24766

PART # **AVAILABLE OPTION**

93174 Oil Pan Gasket, One Piece Design, Steel Reinforced,

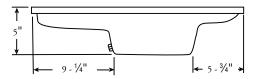
Chrysler 361-440, Hemi, KB, BAE & Wedge





No. 20766





DRAG / ROAD RACING

CHRYSLER BIG BLOCK

Steel, Wet Sump, 7 Quart Capacity, 7" Deep Engine Application: 361-440 and 426 Street Hemi Fits: Most 1966-Up production chassis

- Anti-slosh baffling
- Compatible with most starter/flywheel combinations

PART # **DESCRIPTION**

Oil Pan, Steel, Zinc, Street Performance, Deep Sump, 20760

Stock Core Based

PART# **RECOMMENDED PICKUPS**

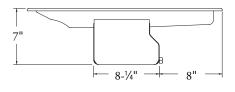
24750 Fits: Stock B/RB Pumps (3/8-18 thread) 24800 Fits: Stock Hemi Pumps (1/2-14 thread)

PART# **AVAILABLE OPTION**

Oil Pan Gasket, One Piece Design, Steel Reinforced, Chrysler 361-440, 93174

Hemi, KB, BAE & Wedge









CHRYSLER

Aluminum, Wet Sump, 7" Deep

Engine Application: Chrysler and most aftermarket Hemi Blocks including Keith Black and JP-1 used in Top Fuel-Alcohol Dragsters

- One-piece billet rail with steel inserts prevents annoying leaks after repeated R&R
- -20AN pickup
- With steel inserts at the mounting points provide a rigid flange that won't bend, move or leak after repeated removals
- Internal baffling keeps oil contained in pickup area during hard acceleration and braking
- Baffling also increases pan's lower-end strength to prevent "ballooning" during engine failures
- Removable windage tray built into oil pan
- · Built-in crank scraper removes excess oil to reduce windage and increase power



20043 Oil Pan, Aluminum, BAE, KB Pan Rail, Dragster, Single -20AN

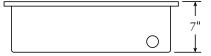
built-in pickup, Camlock Fasteners

PART # REPLACEMENT PART

23143 Windage Tray

PART # RECOMMENDED FITTING 22625 -20AN to -20AN Fitting PART # AVAILABLE OPTION

93174 Oil Pan Gasket, One Piece Design, Steel Reinforced, Chrysler 361-440, Hemi, KB, BAE & Wedge



No. 20043

CHRYSLER

Aluminum, Wet Sump, 3-1/2" Deep to 5-1/4" Deep in the back Engine Application: Chrysler and most aftermarket Hemi blocks including Keith Black, BAE and JP-1 used in Funny Cars



- Removable windage tray built into oil pan baffling
- Commonly used for wet sump applications

PART # DESCRIPTION

20045 Oil Pan, Aluminum, BAE, KB Pan Rail, Pro-Modified/Funny Car,

single -20AN built-in pickup, camlock fasteners

PART # RECOMMENDED FITTING

22625 -20AN to -20AN Fitting PART # AVAILABLE OPTION

23145 Louvered Windage Tray
PART # AVAILABLE OPTION

93174 Oil Pan Gasket, One Piece Design, Steel Reinforced, Chrysler 361-440, Hemi, KB, BAE & Wedge





CHRYSLER

Aluminum, Dry Sump, 3" Deep to 5" Deep in the back Engine Application: Chrysler and most aftermarket Hemi blocks including Keith Black, BAE and JP-1 style engines, Funny Cars

- One-piece billet rail, skirted, steel inserts
- Removable windage tray built into oil pan baffling

PART # DESCRIPTION

20044 Oil Pan, Aluminum, BAE, KB Pan Rail, Single -16AN built-in pickup,

Camlock Fasteners

PART # RECOMMENDED FITTING 22622 -16AN to -16AN Fitting

PART # AVAILABLE OPTION

93174 Oil Pan Gasket, One Piece Design, Steel Reinforced, Chrysler 361-440, Hemi, KB, BAE & Wedge



No. 20045



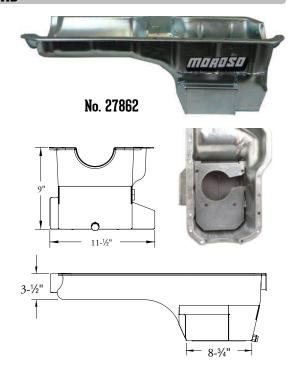
JEEP

Steel, 4.0 Multi-Baffled

- Designed for 1991-2006 Jeep Wranglers, 1987-2001
 Jeep Cherokees and 1987-1992 Comanches with 4.0 liter engines, including stock exhaust manifolds with the integral catalytic converters
- Features a race proven 3 trap door assembly and removable anti-slosh baffle that keeps oil contained in oil pump pick up area during harshest off road conditions
- The rear sump of the oil pan extends out on both sides to hold 7.25 quarts to reduce oil temperature
- Oil Pan is designed to works with your existing oil pump and pickup tube
- Depth of the oil pan remains at the stock depth is maintained to allow fitment for aftermarket skid plates and to maximize ground clearance.
- Constructed from heavy duty 16 gauge steel with a clear zinc finish to resist corrosion.
- Oil Pan is designed to work with your existing oil pump and pickup tube

PART # DESCRIPTION

27862 Oil Pan, Steel, Clear Zinc, Jeep 4.0 Multi-Baffled



Jeep Oil Pans in Action



יוצויווו

FORD SMALL BLOCK

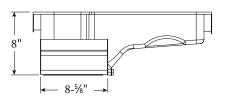
Steel, Wet Sump, Front Sump, 7 Quart Capacity, 8" Deep Engine Applications: Ford 289-302

Fits: Ford and Mercury cars and trucks originally equipped with front sump pans (except Mustang II)

- Kicked-out sump
- Oil retention baffle
- Will clear 302 4-bolt center mains only
- Will not clear 302 4-bolt front and rear main caps without modification to pan or main caps
- Compatible with most starter/flywheel combinations



No. 20502



PART # DESCRIPTION

20502 Oil Pan, Steel, Clear Zinc, Front Sump Engine Application: 289-302 Engines

PART # RECOMMENDED PICKUPS

24520 Stock or M68, M68HV or M10688 style pumps

PART # AVAILABLE OIL PAN OPTIONS 22928 Main Cap Girdle for 289-302 22930 Louvered Windage Tray, 289-302

25970 Universal Dipstick Kit

25971 Universal Dipstick Kit, Braided Stainless
25973 Universal Dipstick Kit, Twist Lock
38191 Windage Tray, Mounting Studs, 289-302

PART # AVAILABLE OPTIONS

38390 Oil Pan Mounting Stud Kit, Bullet Nose93161 Oil Pan Gasket, Ford 302, Early, Dimpled Rail

DRAG / ROAD RACING

FORD SMALL BLOCK

Steel, Street/Strip & Road Race, Front Sump, 9 Quart Capacity, 8" Deep Engine Applications: Ford 289-302

Fits: Ford, Mercury and Cobra Kit Car Front Sump applications (except Mustang II)

- Kicked-out sump increases capacity to 9 quarts, which reduces oil temperature and insures adequate supply to pickup area
- · Baffling designed for street/strip & road racing
- Will clear 302 with 4-bolt center mains only; will NOT clear 302 with 4-bolt front and rear main caps
- · Works with most starter/flywheel combinations
- Clear zinc plating for durability and corrosion resistance

PART # DESCRIPTION

20503 Oil Pan, Steel, Clear Zinc, Kicked-Out Front Sump

Engine Application: 289-302 engines

PART # RECOMMENDED PICKUPS

24523 Fits: Stock or M68 or M68HV style pumps

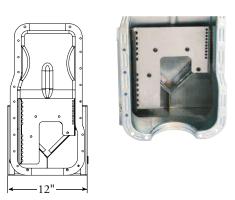
PART # AVAILABLE OPTION

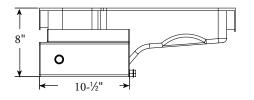
22928 Main Cap Girdle for 289-302 **22930** Louvered Windage Tray, 289-302

25970 Universal Dipstick Kit

Universal Dipstick Kit, Braided Stainless
Universal Dipstick Kit, Twist Lock
Universal Dipstick Kit, Twist Lock
Windage Tray, Mounting Studs, 289-302
Oil Pan Mounting Stud Kit, Bullet Nose
Oil Pan Gasket, Ford 302, Early, Dimpled Rail







Billet

End Seals

111111111111

24523

FORD SMALL BLOCK

Steel, Wet Sump, Front Sump, 7 Quart Capacity, 8" Deep

Engine Application: 289-302

Fits: Ford including Australian, Mercury and Cobra Kit Car front sump applications (except Mustang II) Useage: Road and Drag Race, including street

- Billet end seals for greater sealing
- Clears all 4-bolt main caps including 4-bolt rear
- Accepts 3.40 stroke with most steel rods
- Four Trap Doors keep oil contained in oil pump pick up area
- Anti-slosh baffle keeps oil from leaving the sump
- Features oil temperature fitting and drain plug
- Compatible with most starter/flywheel combinations
- For use with 1-piece, rear sump oil pan gasket

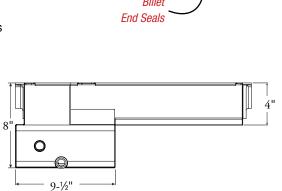


Fits: Stock or M68, M68HV or M10688 style pumps



25971

Universal Dipstick Kit, Braided Stainless 25973 Universal Dipstick Kit, Twist Lock 38191 Windage Tray, Mounting Studs, 289-302 38390 Oil Pan Mounting Stud Kit, Bullet Nose 93160 Oil Pan Gasket, Ford 302, Late, Smooth Rail



No. 20535

STREET / STRIP

FORD SMALL BLOCK

Steel, Wet Sump, Rear Sump, 7 Quart Capacity, 7-1/2" Deep Engine Application: 289-302

Fits: 1979-Up Mustang, 1981-'88 Thunderbird, Cougar, 1979-'86 Capri and other Ford Rear Sump applications

- Will clear 4-bolt center mains only
- Will not clear 4-bolt front and rear main caps
- · Oil retaining baffle
- Engineered to supply oil to sump at all times
- Compatible with most starter/flywheel combinations

20506 Oil Pan, Steel, Clear Zinc, Kicked-out Sump

PART# **RECOMMENDED PICKUPS**

24517 Fits: Stock or M68, M68HV or M10688 style pumps

Fits: Stock or M68, M68HV or M10688 style pumps with Main Support

*Must use Moroso Main Cap Girdle Part No. 22928

AVAILABLE OPTIONS PART # 22928 Main Cap Girdle for 289-302 22930 Louvered Windage Tray, 289-302 25970 Universal Dipstick Kit 25971 Universal Dipstick Kit, Braided Stainless 25973 Universal Dipstick Kit, Twist Lock 38191 Windage Tray, Mounting Studs, 289-302

Oil Pan Mounting Stud Kit, Bullet Nose

Oil Pan Gasket, Ford 302, Late, Smooth Rail

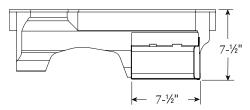


No. 20506

Billet

End Seals





38390

93160

FORD SMALL BLOCK

Steel, Wet Sump, Rear Sump, 7 Quart Capacity, 9" Deep

Engine Application: 289-302

Fits: 1979-Up Mustang, 1981-'88 Thunderbird, Cougar, 1979-'86 Capri and other Ford Rear Sump applications

- Will clear 4-bolt center mains only
- Clears 3.40" stroke with most steel rods
- Will not clear 4-bolt front and rear main caps without modification to pan or main caps
- · Oil sump retaining system
- Engineered to supply oil to sump at all times
- Compatible with most starter/flywheel combinations

PART # DESCRIPTION

20521 Oil Pan, Steel, Clear Zinc, Deep Sump Rear

PART # RECOMMENDED PICKUPS

24516* Fits: Stock or M68 or M68HV Style Oil Pumps

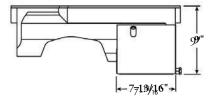
*Fits with or without main support





No. 20521





FORD SMALL BLOCK

Steel, Wet Sump, Rear Sump, 7 Quart Capacity, 9" Deep

Engine Application: 289-302

Fits: 1979-up Mustang, 1981-'88 Thunderbird & Cougar, 1979-'86 Capri and other Ford rear sump applications

Now with billet end seals for greater sealing!

- 9" deep rear sump
- Clears all 4-bolt main caps including 4-bolt rear
- Accepts 3.40" stroke with most steel rods
- Oil sump retaining system
- Compatible with most starter/flywheel combinations
- Includes 0-ring drain plugs

PART # DESCRIPTION

20511 Oil Pan, Steel, Fully Fabricated, Clear Zinc, Rear Sump

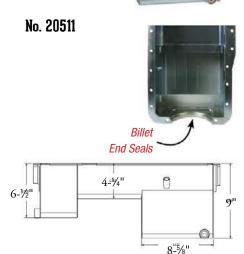
PART # RECOMMENDED PICKUPS

24516* Fits: Stock or M68 or M68HV Style Oil Pumps

*Fits with or without main support

AVAILABLE OPTIONS PART # 22928 Main Cap Girdle for 289-302 22930 Louvered Windage Tray, 289-302 25970 Universal Dipstick Kit 25971 Universal Dipstick Kit, Braided Stainless 25973 Universal Dipstick Kit, Twist Lock 38191 Windage Tray, Mounting Studs, 289-302 38390 Oil Pan Mounting Stud Kit, Bullet Nose 93160 Oil Pan Gasket, Ford 302, Late, Smooth Rail





FORD SMALL BLOCK

Steel, Wet Sump, Rear Sump, Kick-Out, 7 Quart Cap., 9" Deep Engine Applications: Ford 289-302

Fits: 1979-up Mustang, 1981-'88 Thunderbird & Cougar, 1979-'86 Capri and other Ford rear sump applications

- Billet end seals for greater sealing than a core based oil pan
- Kick-out for maximum horsepower gains
- 9" deep rear straight sided sump to clear headers
- · Clears all 4-bolt main caps including 4-bolt rear
- Accepts 3.40" stroke with most steel rods
- Oil sump retaining system
- Compatible with most starter/flywheel combinations
- For use with oil pan gasket Part No. 93160

PART # DESCRIPTION
20528 Oil Pan, Steel, Clear Zinc

PART # RECOMMENDED PICKUPS

24516* Fits: Stock or M68 or M68HV Style Oil Pumps

* Fits with or without Main Support

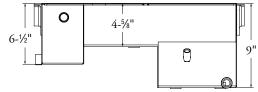
PART# AVAILABLE OPTIONS
22928 Main Cap Girdle for 289-302
22930 Louvered Windage Tray, 289-302
25970 Universal Dipstick Kit
25971 Universal Dipstick Kit, Braided Stainless
25973 Universal Dipstick Kit Twist Lock

25971 Universal Dipstick Kit, Braided Stainless
25973 Universal Dipstick Kit, Twist Lock
38191 Windage Tray, Mounting Studs, 289-302
38390 Oil Pan Mounting Stud Kit, Bullet Nose
93160 Oil Pan Gasket, Ford 302, Late, Smooth Rail



Billet





DRAG / ROAD RACING

FORD SMALL BLOCK

Steel, Wet Sump, Rear Sump, 7 Quart Capacity, 7-1/2" Deep Engine Application: 289-302

Fits: 1979-Up Mustang, 1981-'88 Thunderbird, Cougar, 1979-'86 Capri and other Ford Rear Sump applications

- Features 4 trap doors, 2 baffles and removable sump tray that keeps the oil contained in the pickup area during hard acceleration, cornering and braking
- Fits 2005-Up SCCA and NASA race cars with 302 engines
- Designed for Road Racing, makes an excellent Drag Race or Kit Car oil pan
- Will clear center 4-bolt main caps
- Includes 1/2" NPT oil temperature bung
- Compatible with most starter/flywheel combinations

PART # DESCRIPTION

20527 Oil Pan, Steel, Clear Zinc, Kicked-out Sump, Road Race Baffled

PART # RECOMMENDED PICKUPS

24527 Fits: Stock or M68 or M68HV Style Oil Pumps

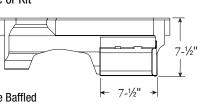
24528* Fits: Stock or M68 or M68HV Style Oil Pumps w/ Main Support

*Must use Moroso Main Cap Girdle Part No. 22928

PART # AVAILABLE OPTIONS
22928 Main Cap Girdle for 289-302



No. 20527





22930 Louvered Windage Tray, 289-30225970 Universal Dipstick Kit

25971 Universal Dipstick Kit, Braided Stainless
25973 Universal Dipstick Kit, Twist Lock
38191 Windage Tray, Mounting Studs, 289-302
38390 Oil Pan Mounting Stud Kit, Bullet Nose
93160 Oil Pan Gasket, Ford 302, Late, Smooth Rail

DRAG / ROAD RACE

End Seals

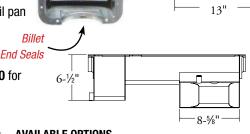
FORD SMALL BLOCK

Steel, Wet Sump, Rear Sump, 7 Quart Capacity, 7-1/2" Deep

Engine Applications: Ford 289-302

Fits: 1979-up Mustang, 1981-'88 Thunderbird & Cougar, 1979-'86 Capri and other Ford rear sump applications

- Oil pans have thick precision laser cut steel rails with a clear zinc finish
- Billet end seals for greater sealing than a core based oil pan
- · Clears all 4-bolt main caps including 4-bolt rear
- Accepts 3.40" stroke with most steel rods
- Feature a race proven diamond shape four trap door assembly and antislosh baffle that keeps oil contained in the oil pump pick up area during hard acceleration, cornering and braking
- Designed for Road Racing, makes an excellent Drag Race or Kit Car oil pan
- Fits 2005-up Mustang SCCA and NASA racecars with 302 engines
- Includes ½" N.P.T. oil temperature bung and magnetic drain plugs
- Compatible with most starter/flywheel combinations
- For use with 1 piece, rear sump oil pan gasket such as Part No. 93160 for 302 applications



MOROSO

No. 20533

Billet End

Seals

PART #	DESCR	IPTION	l

20533	Oil Pan , Ford 302, Clear Zinc
PART #	RECOMMENDED PICKUPS

24527 For 302, *Fits: Stock or M68 or M68HV Style Oil Pumps* **24528*** For 302, *Fits: Stock or M68 or M68HV Style Oil Pumps*

w/ Main Support

PART #	AVAILABLE OPTIONS
22928	Main Cap Girdle for 289-302
22930	Louvered Windage Tray, 289-302
25970	Universal Dipstick Kit

Universal Dipstick Kit, Braided Stainless
Universal Dipstick Kit, Twist Lock
Universal Dipstick Kit, Twist Lock
Windage Tray, Mounting Studs, 289-302
Oil Pan Mounting Stud Kit, Bullet Nose
Oil Pan Gasket, Ford 302, Late, Smooth Rail

STREET / STRIP

FORD SMALL BLOCK

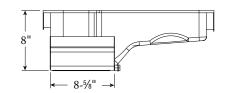
Steel, Wet Sump, Front Sump, 7 Quart Capacity, 8" Deep Engine Application: 351W

Fits: Ford and Mercury cars and trucks originally equipped with front sump pans (except Mustang II)

- Kicked-out sump
- · Oil retention baffle
- Will clear 351W 4-bolt center mains only
- Will not clear 351W 4-bolt front and rear main caps without modification to pan or main caps
- Compatible with most starter/flywheel combinations







PART #	DESCRIPTION	
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20507 Oil Pan, Steel, Clear Zinc, Front Sump

Engine Application: 351W Engines

PART # RECOMMENDED PICKUPS

24507 Stock or M83, M83HV or M10833 style pumps

PART # AVAILABLE OIL PAN OPTIONS

25970 Universal Dipstick Kit

25971 Universal Dipstick Kit, Braided Stainless

25973 Universal Dipstick Kit, Twist Lock

PART # AVAILABLE OPTIONS

38192 Windage Tray, Mounting Studs, 351W **38195** Oil Pump Pickup Stud. 351W

36195 Oli Pullip Pickup Stuu. 351W

38390 Oil Pan Mounting Stud Kit, Bullet Nose

93163 Oil Pan Gasket, Ford 351 W, Early, Dimpled Rail

NOTE: Oil Pan Capacities DO NOT include oil filter capacity. All Moroso Pans include a Magnetic Drain Plug.

^{*} Must use Moroso Main Cap Girdle Part No. 22928

FORD SMALL BLOCK

Steel, Street/Strip & Road Race, Front Sump, 9 Quart Capacity, 8" Deep

Engine Application: 351W

Fits: Ford, Mercury and Cobra Kit Car Front Sump applications (except Mustang II)

 Kicked-out sump increases capacity to 9 quarts, which reduces oil temperature and insures adequate supply to pickup area

- Baffling designed for street/strip & road racing
- Will clear 351W with 4-bolt center mains only; will NOT clear 351W with 4-bolt front and rear main caps
- Works with most starter/flywheel combinations
- Clear zinc plating for durability and corrosion resistance

PART # DESCRIPTION 20501 Oil Pan. Steel. (

0501 Oil Pan, Steel, Clear Zinc, Kicked-Out Front Sump

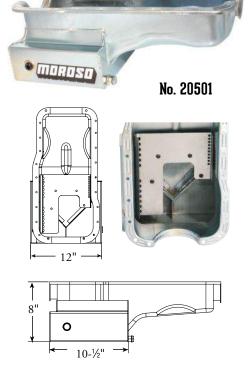
Engine Application: 351W engines

PART # RECOMMENDED PICKUP

24507 Fits: Stock or M83 or M83HV style pumps

PART # AVAILABLE OPTIONS 25970 Universal Dipstick Kit

Universal Dipstick Kit, Braided Stainless
Universal Dipstick Kit, Twist Lock
Windage Tray, Mounting Studs, 351W
Oil Pan Mounting Stud Kit, Bullet Nose
Oil Pan Gasket, Ford 351W, Early, Dimpled Rail



FORD SMALL BLOCK

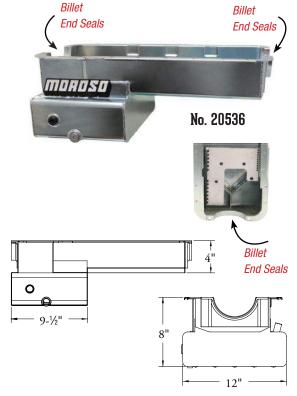
Steel, Wet Sump, Front Sump, 7 Quart Capacity, 8 " Deep

Engine Application: 351W

Fits: Ford including Australian, Mercury and Cobra Kit Car front sump applications (except Mustang II) Useage: Road and Drag Race, including street

- · Fully Fabricated steel with a clear zinc finish
- Billet end seals for greater sealing
- Clears all 4-bolt main caps including 4-bolt rear
- Accepts 4.0 stroke with most steel rods
- Four Trap Doors keep oil contained in oil pump pick up area
- Anti-slosh baffle keeps oil from leaving the sump
- Features oil temperature fitting and drain plug
- Compatible with most starter/flywheel combinations
- For use with 1-piece, rear sump oil pan gasket
- Includes 0-ring drain plugs

PART # 20536	DESCRIPTION Ford 351W Front Sump Oil Pan, Road Race, clears 4-Bolt Blocks
PART#	RECOMMENDED PICKUP
24507	Fits: Stock or M83. M83HV or M10833 style pumps
PART#	AVAILABLE OPTIONS
22935	Louvered Windage Tray, 351W
25970	Universal Dipstick Kit
25971	Universal Dipstick Kit, Braided Stainless
25973	Universal Dipstick Kit, Twist Lock
38192	Windage Tray, Mounting Studs, 351W
38390	Oil Pan Mounting Stud Kit, Bullet Nose
93162	Oil Pan Gasket, Ford 351W, Late, Smooth Rail



NOTE: Oil Pan Capacities DO NOT include oil filter capacity. All Moroso Pans include a Magnetic Drain Plug.

FORD SMALL BLOCK

Steel, Wet Sump, Rear Sump, 7 Quart Capacity, 9" Deep

Engine Application: 351W

Fits: 1979-Up Mustang, 1981-'88 Thunderbird, Cougar, 1979-'86 Capri and other Ford Rear Sump applications

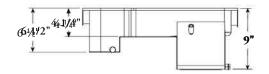
- Rear sump design
- Will clear 351W 4-bolt center mains only
- Will not clear 351W 4-bolt front and rear main caps
- Oil sump retaining system and anti-slosh baffle
- Reduced oil temperature





No. 20523





FORD SMALL BLOCK

Steel, Wet Sump, Rear Sump, 7 Quart Capacity, 9" Deep Engine Application: 351W

Fits: 1979-up Mustang, 1981-'88 Thunderbird & Cougar, 1979-'86 Capri and other Ford rear sump applications

Now with billet end seals for greater sealing!

- Steel with a clear zinc finish
- 9" deep rear sump
- Clears all 4-bolt main caps including 4-bolt rear
- Accepts 4.0" stroke with most steel rods
- Oil sump retaining system
- Compatible with most starter/flywheel combinations
- Includes 0-ring drain plugs

PART # DESCRIPTION

20520 Oil Pan, Steel, Fully Fabricated, Clear Zinc, Deep Sump

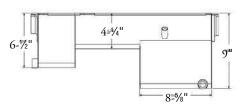
PART # RECOMMENDED PICKUPS

24532 Fits: Stock or M83 or M83HV Style Oil Pump

PART# **AVAILABLE OPTIONS** 22935 Louvered Windage Tray, 351W 25970 Universal Dipstick Kit 25971 Universal Dipstick Kit, Braided Stainless 25973 Universal Dipstick Kit, Twist Lock 38192 Windage Tray, Mounting Studs, 351W 38195 Oil Pump Pickup Stud. 351W 38390 Oil Pan Mounting Stud Kit, Bullet Nose 93162 Oil Pan Gasket, Ford 351W, Late, Smooth Rail







Billet

End Seals

FORD SMALL BLOCK

Steel, Wet Sump, Rear Sump, Kick Out, 7 Quart Capacity, 9" Deep Engine Application: 351W

Fits: 1979-up Mustang, 1981-'88 Thunderbird & Cougar, 1979-'86 Capri and other Ford rear sump applications

Steel with a clear zinc finish

Billet end seals for greater sealing than a core based oil pan

Kick-out for maximum horsepower

- 9" deep rear straight sided sump to clear headers
- · Clears all 4-bolt main caps including 4-bolt rear
- Accepts 4.0" stroke with most steel rods
- Oil sump retaining system
- Compatible with most starter/flywheel combinations
- For use with oil pan gasket Moroso No. 93162

DESCRIPTION PART #

20529 Oil Pan, Ford 351W Rear Sump Kick-Out, Clears 4-Bolt Blocks

PART# **RECOMMENDED PICKUP**

24532 Fits: Stock or M83 or M83HV Style Oil Pumps

PART# **AVAILABLE OPTIONS**

93162 Oil Pan Gasket, Ford 351W, Late Oil Pan

25970 Universal Dipstick Kit

Universal Dipstick Kit, Braided Stainless 25971 25973 Universal Dipstick Kit, Twist Lock

End Seals 0 4-%" 0

Billet

DRAG / ROAD RACE

FORD SMALL BLOCK

Steel, Wet Sump, Rear Sump, 7 Quart Capacity, 7-1/2" Deep

Engine Applications: Ford 351W

Fits: 1979-up Mustang, 1981-'88 Thunderbird & Cougar, 1979-'86 Capri and other Ford rear sump applications

 Oil pans have thick precision laser cut steel rails with a clear zinc finish

Billet end seals for greater sealing than a core based oil pan

- Clears all 4-bolt main caps including 4-bolt rear
- Accepts 4.0" stroke with most steel rods
- Feature a race proven diamond shape four trap door assembly and antislosh baffle that keeps oil contained in the oil pump pick up area during hard acceleration, cornering and braking
- Designed for Road Racing, makes an excellent Drag Race or Kit Car oil pan
- Fits 2005-up Mustang SCCA and NASA racecars with 351W engines
- Includes ½" N.P.T. oil temperature bung and magnetic drain plugs
- Compatible with most starter/flywheel combinations
- For use with 1 piece, rear sump oil pan gasket Moroso No. 93162

PART# **DESCRIPTION**

20534 Oil Pan, Ford 351W, Clear Zinc **RECOMMENDED PICKUP** PART#

24534 For 351W, Fits: Stock or M83 or M83HV Style Oil Pumps

PART# **AVAILABLE OPTIONS** 25970 Universal Dipstick Kit

25971 Universal Dipstick Kit, Braided Stainless 25973 Universal Dipstick Kit, Twist Lock

38192 Windage Tray, Mounting Studs, 351W

38195 Oil Pump Pickup Stud, 351W 38390 Oil Pan Mounting Stud Kit, Bullet Nose

93162 Oil Pan Gasket, Ford 351W, Late, Smooth Rail



No. 20534

Billet End Seals

Billet

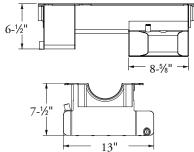
End

Seals

MOROSO

No. 20529





CIRCLE TRACK

FORD SMALL BLOCK

Steel, Wet Sump, Front Sump, 9 Quart Capacity, 7-1/2" Deep

Engine Application: 351W

Fits: Late Model, Pro Stock, SK Modified[®] with tube snout chassis and no cross-members or steering linkages located under engine

- Five trap door baffling for oil control
- · Built-in scraper on passenger-side
- Built-in dipstick
- Clears all 4-bolt main caps including 4-bolt rear
- Accepts 4.250" stroke with steel rods with scraper modification
- Accepts most starter and flywheel combinations

PART # DESCRIPTION

20522 Oil Pan, Steel, Clear Zinc, Fully Fabricated,

Kicked-out Sump

PART # RECOMMENDED PICKUPS

24515 Fits: Stock or M83 or M83 HV Style Oil Pumps

PART# AVAILABLE OIL PAN OPTION
22935 Louvered Windage Tray, 351W
25970 Universal Dinstick Kit

25970 Universal Dipstick Kit

25971 Universal Dipstick Kit, Braided Stainless
25973 Universal Dipstick Kit, Twist Lock
38192 Windage Tray, Mounting Studs, 351W

38195 Oil Pump Pickup Stud, 351W38390 Oil Pan Mounting Stud Kit, Bullet Nose

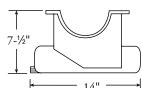
93162 Oil Pan Gasket, Ford 351W, Late, Smooth Rail



No. 20522

FRONT •





STREET

12-1/2"

FORD SMALL BLOCK

Steel, Wet Sump, 6 Quart Capacity, 8-1/4" Deep Engine Application: 351C and 351M Fits: Most Chassis Stock Replacement

- Oil sump retaining system
- · Magnetic drain plug
- Compatible with most starter/flywheel combinations
- Uses stock pickup

PART # DESCRIPTION

20557 Oil Pan, Unplated Steel, Stock Configuration,

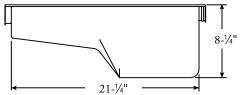
Front Sump

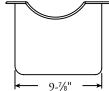
PART # AVAILABLE OIL PAN OPTION

38192 Tray Mounting Studs38195 Oil Pump Pickup Stud









FORD SMALL BLOCK

Steel, Wet Sump, 7 Quart Capacity, 8" Deep Engine Application: 351C and 351M

Fits: 351C & 351M into most front sump production chassis (except Mustang II)

- · Oil sump retaining system
- Reduces oil temperature
- Compatible with most starter/flywheel combinations
- Magnetic drain plug

PART # DESCRIPTION

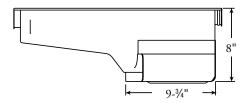
20558 Oil Pan, Steel, Clear Zinc, Kicked-out Front Sump

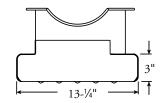
PART # RECOMMENDED PICKUP 24558 Fits: Stock Oil Pumps

PART # AVAILABLE OPTIONS 38192 Tray Mounting Studs 38195 Oil Pump Pickup Stud









STREET / STRIP

FORD SMALL BLOCK

Steel, Wet Sump, 8 Quart Capacity, 9" Deep Engine Application: Ford 351C, 351M, and 400 block Fits: 1979-Up Mustang, 1981-'88 Thunderbird, Cougar, 1979-'86 Capri and other Ford Rear Sump applications (except Mustang II)

- · Core based oil pan, utilizing stock pan rail bolt pattern
- Increased sump capacity, full length scraper
- Compatible with most starter and flywheel combinations

PART # DESCRIPTION
20530 Oil Pan, Steel, Clear Zinc
PART # RECOMMENDED PICKUP

24530 *Fits:* Melling M84AHV, Speed Pro 224-103R or similar pumps

PART # AVAILABLE OPTIONS
25970 Universal Dipstick Kit

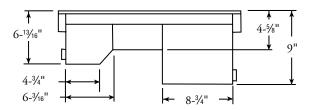
25971 Universal Dipstick Kit, Braided Stainless Flex Tube

25973 Universal Dipstick Kit, Twist Lock

38195 Oil Pump Pickup Stud



No. 20530



FORD 4.6/5.4L

Steel, Wet Sump, 8 Quart Capacity, 6-1/2" Deep Engine Application: 4.6/5.4L SOHC/DOHC Fits: Rear Sump Mustang

- · Increased oil capacity
- · Oil sump retaining system
- Designed to work with factory 2v, 3v and 4v oil pump pickup
- Included 1/2" NPT drain back in front of pan

PART # **DESCRIPTION**

20546 Oil Pan, Steel, Clear Zinc, Kicked-out

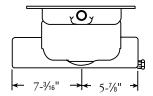
Rear Sump

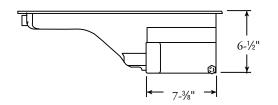
PART# **AVAILABLE OPTIONS**

22933 Louvered Windage Tray, 4.6/5.4 93164 Oil Pan Gasket, Ford 4.6/5.4









DRAG RACING

FORD 4.6/5.4L Aluminnum, Wet Sump, 7 Quart Capacity, 6-1/2" Deep Engine Application: 4.6/5.4L SOHC/DOHC Fits: Rear Sump Mustang

- Fully fabricated, billet rail works with stock gasket
- Increased sump capacity, and trap door baffling
- Designed to work with factory 2v, 3v and 4v oil pump pickup
- Included 1/2" NPT drain back in front of pan

PART# DESCRIPTION

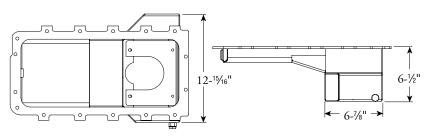
20555 Oil Pan, Aluminum, Internal Wet Sump

AVAILABLE OPTIONS PART#

22933 Louvered Windage Tray, 4.6/5.4 93164 Oil Pan Gasket, Ford 4.6/5.4







FORD 4.6/5.4L

Steel, Wet Sump, 8 Quart Capacity, 6-1/2" Deep

Engine Application: 4.6/5.4 Liter

Fits: 1979-Up, including 2005-Up Mustang

- Four trap door baffles for Drag and Road Race Applications
- Anti-slosh baffle
- Increased oil capacity over stock
- Designed to work with factory 2v, 3v and 4v oil pump pickup
- Uses factory dipstick
- ½" NPT fitting for supercharger drain back
- ½" NPT fitting for oil temperature sender
- · Includes magnetic drain plug

PART # DESCRIPTION

20548 Oil Pan, Steel, Clear Zinc Plated,

Baffled Rear Sump

PART # AVAILABLE OPTIONS

22933 Louvered Windage Tray, 4.6/5.4 **93164** Oil Pan Gasket, Ford 4.6/5.4



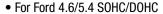
6-1/2"

No. 20548

FORD 4.6/5.4L. COBRA REPLICA

Steel, Wet Sump, 7 Quart Capacity, 4" Deep Engine Application: 4.6/5.4L SOHC/DOHC

Fits: Cobra Kit Cars that require a rear sump oil pan



 Designed for Cobra Replicas that require a shallow rear sump oil pan

 Features a race proven four trap door assembly and anti-slosh baffle that keeps oil contained in oil pump pick up area during road racing and drag racing

- Steel with a clear zinc finish
- Oil pan has a thick steel rail with a 4" deep, 9-1/8" long by 14 1/2" wide rear sump
- Designed to be used with the Moroso No. 22933 windage tray
- Uses the factory Mustang Dipstick
- Extra capacity; holds 1 more quart that the Mustang O.E.M. oil pan PART #
- ½" NPT fitting for supercharger drain back
- 1/2" NPT fitting for oil temperature sender

PART # DESCRIPTION

20549 Oil Pan, Steel, Ford 4.6/5.4 Modular, Cobra Replica Race Baffled

ART # RECOMMENDED PICKUP

14-1/2"

24547 Fits: Factory 4.6/5.4, 2 Valve Engine Oil Pumps 24548 Fits: Factory 4.6/5.4, 4 Valve Engine Oil Pumps 24548

9-1/8"

PART # AVAILABE OIL PAN OPTION

22933 Louvered Windage Tray 4.6/5.4 **93164** Oil Pan Gasket, Ford 4.6/5.4

TRUCK

No. 20549

FORD 4.6/5.4L

Aluminum, Wet Sump, 7 Quart Capacity, 6-1/2" Deep Engine Application: 4.6/5.4L SOHC/DOHC

Fits: 1999-2004 Lightning, 1997-2004 F-150 (2-Wheel Drive)

- Fully fabricated, all-aluminum construction offers exceptional strength without the added weight
- Billet rail, kicked-out and lengthened sump adds extra capacity to help cool oil better
- Baffling system confines oil flow within the pickup area during hard acceleration, cornering and braking
- Designed to work with factory 2v, 3v and 4v oil pump pickup
- Uses factory dipstick

• Includes magnetic drain plug

PART # DESCRIPTION
20554 Oil Pan, Aluminum

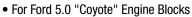
PART # AVAILABLE OPTIONS

22933 Louvered Windage Tray, 4.6/5.4 **93164** Oil Pan Gasket, Ford 4.6/5.4



FORD 5.0 COYOTE, COBRA REPLICA

Steel, Wet Sump, 9-1/2 Quart Capacity, 4-3-8" Deep Engine Application: Ford 5.0 Modular "Coyote" Engines Fits: Cobra Kit Cars that require a rear sump oil pan



- Designed for Cobra Replicas that require a shallow, rear sump oil pan
- Fully fabricated steel with a clear zinc finish
- Oil pan has a thick, steel rail with a 4-\%" deep, 10-\%" long by 14-\%" wide rear sump
- Designed to be used with the 5.0 "Coyote" factory windage tray and dipstick
- Features a race-proven, four trap door assembly and anti-slosh baffle that keeps oil contained in oil pump pickup area during road racing and drag racing
- Extra capacity; holds 1.5 more quarts that the Mustang O.E.M. oil pan
- ½" NPT fitting for supercharger drain back
- ½" NPT fitting for oil temperature sender
- 20 mm fitting for the factory oil level sensor*
- Requires the use of Oil Pump Pickup No. 24570

PART # DESCRIPTION

20570 Oil Pan, Fabricated Steel, Clear Zinc, Race Baffled

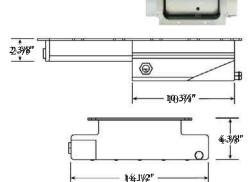
PART # RECOMMENDED PICKUP

24570 Fits: Factory 5.0 "Coyote" Oil Pumps

PART # AVAILABLE OPTION

22738 Factory Low Oil Warning Sensor Plug, 20mm

*If the factory low oil warning sensor is not going to be used, Part #22738, 20mm Plug with copper washer is available.



No. 20570

FORD 5.0 COYOTE

Steel/Aluminum, Wet Sump, 6-5/8" Deep Engine Application: Ford 5.0 Modular "Coyote" Engines Fits: Mustang, 2011-Up; Mustang 1979-'10 other Ford Rear Sump conversions with Ford "Coyote" Engines



- Designed to be used with the 5.0 "Coyote" factory windage tray, oil pump pickup and dipstick
- Features a race-proven, trap door assembly and anti-slosh baffle that keeps oil contained in oil pump pickup area during road racing and drag racing
- Extra capacity: holds two more quarts than stock
- ½" NPT fitting for supercharger drain back
- \bullet ½" NPT fitting for oil temperature sender
- 20mm fitting for the factory oil level sensor*

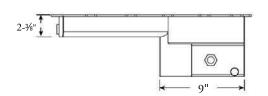
PART # DESCRIPTION

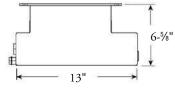
20571 Oil Pan, Steel, Clear Zinc, Fully Fabricated20572 Oil Pan, Aluminum, Fully Fabricated

PART # AVAILABLE OPTION

22738 Factory Low Oil Warning Sensor Plug, 20mm

*If the factory low oil warning sensor is not going to be used, **Part No. 22738**, 20mm Plug with copper washer is available











Steel, Wet Sump, 5 Quart Capacity, 5" Deep Engine Application: 352-428 FE Fits: Most Chassis Stock Replacement

- Front sump
- · Built-in oil baffle
- Uses stock pickup
- Magnetic drain plug

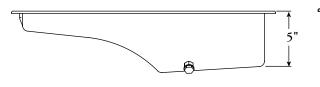
PART # DESCRIPTION

20606 Oil Pan, Steel, Clear Zinc, Stock Configuration

PART # AVAILABLE OPTIONS 22940 Louvered Windage Tray 38195 Oil Pump Pickup Stud







FORD BIG BLOCK

Steel, Wet Sump, 7 Quart Capacity, 7-1/2" Deep Engine Application: 352-428 FE Fits: Most front sump production chassis

- · Oil sump retaining system
- Removable oil sump tray
- Reduces oil temperature
- · Magnetic drain plug

PART # DESCRIPTION

20609 Oil Pan, Steel, Clear Zinc, Deep Front Sump

PART # RECOMMENDED PICKUP 24609 Fits: Melling M57HV PART # AVAILABLE OPTIONS 22940 Louvered Windage Tray 25970 Universal Dipstick Kit

25971 Universal Dipstick Kit, Braided Stainless Flex Tube

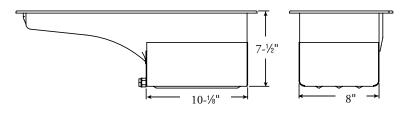
25973 Universal Dipstick Kit, Twist Lock

38195 Oil Pump Pickup Stud



7-7/8"





Steel, Wet Sump, 8 Quart Capacity, 6" Deep

Engine Application: 352-428 FE

Fits: Most front sump production chassis and kit cars

- · Anti-slosh baffle
- Oil temperature bung
- Reduces oil temperature
- Magnetic drain plug

PART # DESCRIPTION

20607 Oil Pan, Steel, Clear Zinc, Kicked-out Front Sump

PART # RECOMMENDED PICKUP 24608 Fits: Melling M57HV PART # AVAILABLE OPTIONS 22940 Louvered Windage Tray 25970 Universal Dipstick Kit

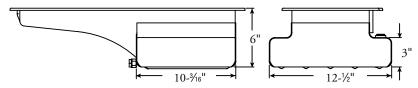
25971 Universal Dipstick Kit, Braided Stainless Flex Tube

25973 Universal Dipstick Kit, Twist Lock

38195 Oil Pump Pickup Stud





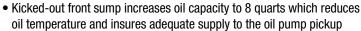


DRAG / ROAD RACING

FORD BIG BLOCK

Steel, Wet Sump, 8 Quart Capacity, 6" Deep Street/Strip & Road Race, Kicked-Out Front Sump, Enhanced Road Race Baffling Engine Application: 352-428 FE

Fits: Most front sump production chassis and kit cars



- Includes 6 trap doors, 2 baffles and a removable sump tray that keeps the oil contained in the pickup area during hard acceleration, cornering and braking
- Features a magnetic drain plug and oil temperature bung
- · Dipstick bung

PART # DESCRIPTION

20608 Oil Pan, Steel, Clear Zinc, 6" Kicked-Out Front Sump, Wet Sump

PART # RECOMMENDED PICKUP
24608 Fits: Melling M57HV

PART # AVAILABLE OPTIONS
22940 Louvered Windage Tray
25970 Universal Dipstick Kit

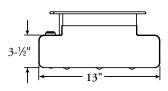
25971 Universal Dipstick Kit, Braided Stainless Flex Tube

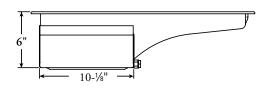
25973 Universal Dipstick Kit, Twist Lock

38195 Oil Pump Pickup Stud









NOTE: Oil Pan Capacities DO NOT include oil filter capacity. All Moroso Pans include a Magnetic Drain Plug.

Steel, Wet Sump, 8 Quart Capacity, 9" Deep

Engine Application: 429-460

Fits: 1979-Up Mustang, 1981-'88 Thunderbird, Cougar, 1979-'86 Capri and other Ford Rear Sump applications

- · Oil sump retaining system
- · Clears stock cross-member and steering linkage
- Reduces oil temperature

PART # DESCRIPTION

20620 Oil Pan, Steel, Clear Zinc
PART # RECOMMENDED PICKUP

24509* Fits: Ford SVO M-6600-A460 or M84D or M84DHV Style Pumps

*Fits only 4-bolt mains (SVO Block)

PART # AVAILABLE OPTIONS 25970 Universal Dipstick Kit

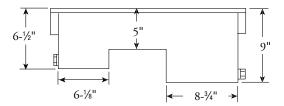
25971 Universal Dipstick Kit, Braided Stainless Flex Tube

25973 Universal Dipstick Kit, Twist Lock93166 Oil Pan Gasket, 460 Late, Smooth Rail



No. 20620





DRAG RACING

FORD BIG BLOCK

Steel, Wet Sump, 7 Quart Capacity, 9" Deep

Engine Application: 429-460

Fits: 1979-Up Mustang, 1981-'88 Thunderbird, Cougar, 1979-'86 Capri and other Ford Rear Sump applications

- Core based oil pan, utilizing stock pan rail bolt pattern
- Increased sump capacity and trap door baffling
- Provision for Moroso Universal Dipstick Nos. 25970, 25971 or 25973
- Stock starter with 184-tooth flywheel

PART # DESCRIPTION
20625 Oil Pan, Steel, Clear Zinc
PART # RECOMMENDED PICKUP

24508* Fits: Ford SVO M-6600-A460 or M84D or M84DHV Style Pumps

*Fits only 4 bolt Mains (SVO Block)

PART # AVAILABLE OPTIONS 25970 Universal Dipstick Kit

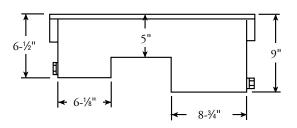
25971 Universal Dipstick Kit, Braided Stainless Flex Tube

25973 Universal Dipstick Kit, Twist Lock 93166 Oil Pan Gasket, 460 Late, Smooth Rail



No. 20625





Steel, Wet Sump, 7 Quart Capacity, 8-1/2" Deep

Engine Application: 429-460

Fits: Tube-chassis Bracket and Super Classes including dragsters, roadsters, door slammers, etc.

- Core based oil pan, utilizing stock pan rail bolt pattern
- Increased sump capacity, and trap door baffling
- Provision for Moroso Universal Dipstick Nos. 25970, 25971 or 25973
- Stock starter with 184-tooth flywheel



24511 Fits: Ford SVO M-6600-A460 or M84D or M84DHV Style Pumps

PART # AVAILABLE OPTIONS 25970 Universal Dipstick Kit

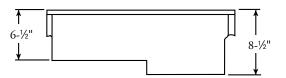
25971 Universal Dipstick Kit, Braided Stainless Flex Tube

25973 Universal Dipstick Kit, Twist Lock93166 Oil Pan Gasket, 460 Late, Smooth Rail



No. 20614





FORD BIG BLOCK

Steel, Wet Sump, 9 Quart Capacity, 7- 1/8" Deep

Engine Application: 429-460

Fits: Tube-chassis Bracket and Super Classes including dragsters, roadsters, door slammers, etc.

- Steel fully fabricated oil pan, utilizing "race" pan rail bolt pattern
- Power kick-out for increased horsepower
- Increased sump capacity, solid louvered tray
- Clears all 4-bolt main caps
- Accepts 4.75" stroke with aluminum rods
- Compatible with Tilton starter and 184-tooth flywheel

PART # DESCRIPTION
20616 Oil Pan, Steel, Clear Zinc

PART # RECOMMENDED PICKUPS

24505 *Fits:* Ford SV0 M-6600-A460 or M84D or M84DHV Style Pumps

with 4-bolt Main Blocks

24522 Fits: Ford SV0 M-6600-A460 or M84D or M84DHV Style Pumps

with 2-bolt Main Blocks

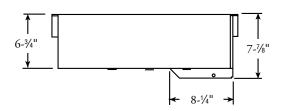
PART # AVAILABLE OPTIONS

Wrench, Oil Pan T-Handle, ½", 6 PT
Wrench, Oil Pan T-Handle, ½", 6 PT
Oil Pan Gasket, 460 Late, Smooth Rail



No. 20616





Steel, Wet Sump, 8 Quart Capacity, 10-3/4" Deep Engine Application: All 429-460

Fits: Four-wheel drive trucks and vans except Bronco

- Deep sump increases capacity to 8 quarts, which reduces oil temperature and insures ample supply to pickup area
- Relocated rear sump improves oil control during hard acceleration and off-road use
- Trap door baffling keeps oil contained in pickup area during hard acceleration and braking
- Works with most starter/flywheel combinations
- Use Nos. 25970, 25971 or 25973 for dipstick provision welding required

DESCRIPTION PART #

20612 Oil Pan, Steel, Clear Zinc, Deep Rear Sump, Off-Road

PART# **RECOMMENDED PICKUP**

24504 Fits: Stock Ford Oil Pump No. D9TZ-6600-B. Ford SVO HV Pump No. M-6600-A460 or

M84D or M84DHV Style Pumps

PART # **AVAILABLE OPTIONS**

93166 Oil Pan Gasket, 460 Late, Smooth Rail

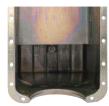
25970 Universal Dipstick Kit

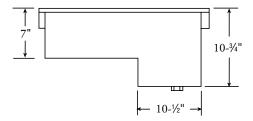
25971 Universal Dipstick Kit, Braided Stainless Flex Tube

25973 Universal Dipstick Kit, Twist Lock









7.3 POWERSTROKE

FORD 7.3 POWERSTROKE. 1994-'03

Steel, Fits: F-250/F-350 '94.5-'03, Super Duty '99-'03, Excursion '00-'03, Econoline '94.5-'03, Ford E- Series van/motorhome/bus chassis '94.5-'03

- After hearing that our customers were having premature rusting issues with their O.E.M. oil pans on Ford Powerstroke engines, Moroso knew that they could come up with a longer lasting solution
- Heavy Duty, stamped out of 16 gauge quality steel which is thicker than O.E.M.
- Has a triple coat finishing process of a zinc phosphate which besides creating a durable finish foundation also neutralizes any corrosion started by the welding process itself. The second coat is a black 1-mil thick electrocoat and the last coat is a gloss black epoxy powdercoat. This process has been fine tuned from years of oil pan building experience and from this Moroso oil pan design being subjected to numerous salt spray testing. The O.E.M. oil pan only has a black painted surface
- Features an internal O.E.M. style anti-slosh baffle to keep oil contained in the oil pick up area, dipstick provision on passenger side and notch in front oil pan for
- More cost effective than the O.E.M. piece by it's initial price and that labor dollars will not need to be spent every couple of years on it's replacement
- Oil pan is designed to work with your existing oil pump and pickup tube

PART # DESCRIPTION

27336 Oil Pan

Fits: Ford 7.3 Powerstroke, 1994-'03

PART # **AVAILABLE OPTION**

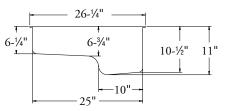
27293 Oil Pan Gasket, Ford 7.3 Powerstroke 1994-2003 and International T444E,

Patent Pending



No. 27336





STREET / STREET

OLDSMOBILE

Steel, Wet Sump, 7 Quart Capacity, 8-1/2" Deep

Engine Application: 330-455

Fits: All 1965-later V8's in most stock GM chassis without modifications

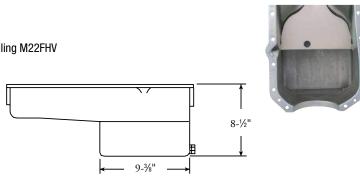
- Reduces oil temperature
- Anti-slosh baffle
- Compatible with most starter/flywheel combinations

PART # DESCRIPTION

20480 Oil Pan, Steel, Clear Zinc, Deep Sump

PART # RECOMMENDED PICKUP

24460 Fits: For Moroso No. 20480 Oil Pan, Melling M22FHV



No. 20480

DRAG / MARINE / TRUCK

OLDSMOBILE

Steel, Flat Bottom Pan 10 Quart Capacity, 7-1/4" Deep Engine Application: 330-455

Fits: Hulls with flywheel aft and 4-point mounting

- Full sump increases capacity to 10 quarts, which reduces oil temperature and insures adequate supply to pickup area
- Includes built-in crankshaft scraper and trap door baffling to prevent oil starvation under severe marine conditions
- Removable sump tray allows easy access to the pan's bottom for cleaning
- Works with most starter/flywheel combinations
- Pan features a -12AN drain plug

PART # DESCRIPTION

21631 Oil Pan, Steel, Clear Zinc, Large Marine Pan

PART # RECOMMENDED PICKUP

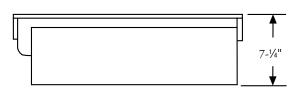
24463 Fits: Melling HV Pump M22FHV or Mondello "HV" Pump SP 755











PONTIAC

Steel, Wet Sump, 8 Quart Capacity, 9-3/4" Deep

Engine Application: 301-455

Fits: 1967-'81 Firebird and 1964-'87 mid and full-sized chassis

• Oil retaining system

• Reduces oil temperature

Compatible with most starter/flywheel combinations

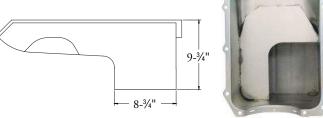
PART # DESCRIPTION

20490 Oil Pan, Steel, Clear Zinc, Deep Sump

PART # RECOMMENDED PICKUP

24480 Fits: M54DS or M10541 Style Pumps





No. 20492

PONTIAC

Steel, Wet Sump, 7-1/8" Deep Engine Application: 301-455

Fits: 1967-'81 Firebird and 1964-'87 mid and full-sized chassis

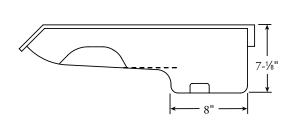
· Oil sump retaining system

Magnetic drain plug

PART # DESCRIPTION

20492 Oil Pan, Steel, Clear Zinc, Stock Replacement

PART # RECOMMENDED PICKUP
Use Stock Oil Pump & Pickup





MOROS

PONTIAC

Steel, Wet Sump, 7 Quart Capacity, 8-1/2" Deep

Engine Application: 301-455

Fits: 1967-'81 Firebird and 1964-'87 mid and full-sized chassis

• Oil sump retaining system

• Reduces oil temperature

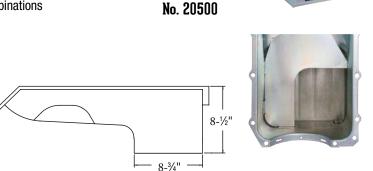
• Compatible with most starter/flywheel combinations

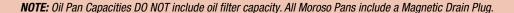
PART # DESCRIPTION

20500 Oil Pan, Steel, Clear Zinc, Deep Sump

PART # RECOMMENDED PICKUP

24482 *Fits:* M54DS or M10541 Style Pumps





ACURA/HONDA B SERIES

Steel, Wet Sump, 4 Quart Capacity, 6" Deep Engine Application: Acura VTEC, Non-VTEC and Honda 1.6L B16A3

- Sump baffle that fully surrounds oil pump pickup
- Turbo/Supercharger oil drain back
- Features a magnetic drain plug and temperature sensor bung
- Works with 0EM exhaust manifold and most aftermarket exhaust/ header combinations

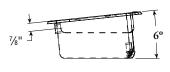
PART # DESCRIPTION

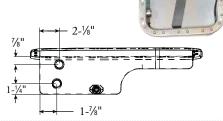
20911 Oil Pan, Steel, Clear Zinc, Stock Configuration

PART # RECOMMENDED OIL PUMP & PICKUP

Use Stock Oil Pump & Pickup

PART # AVAILABLE OPTION
38366 Oil Pan Stud Kit





No. 20911

No. 20910

ACURA/HONDA B SERIES

Steel, Wet Sump, 5.5 Quart Capacity, 6" Deep Engine Application: Acura VTEC, Non-VTEC and Honda 1.6L B16A3

- Kicked-out sump
- Includes 6 trap doors, 2 baffles and a removable sump tray for oil control in Road Racing, also an excellent Drag Race oil pan
- Turbo/Supercharger oil drain back and temperature sensor bung
- Magnetic drain plug
- Works with 0EM exhaust manifold and most aftermarket exhaust/header combinations
- · Use with stock Honda oil pan gasket

PART # DESCRIPTION

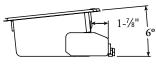
PART#

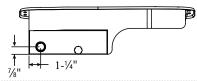
20910 Oil Pan, Steel, Clear Zinc

RECOMMENDED PICKUP
Use Stock Oil Pump & Pickup

PART # AVAILABLE OPTION

38366 Oil Pan Stud Kit





ACURA/HONDA B SERIES

Aluminum, Kicked-out Sump, 5 Quart Capacity, 5-5/4" Deep Engine Application: Acura VTEC, Non-VTEC and Honda 1.6L B16A3

- Dynamic trap door baffling for Drag Race & Street
- Aluminum with 1/4" thick pan rail
- Includes ½" NPT bung for plumbing turbo oil return line, ½"
 NPT bung for installing oil temperature sender and magnetic drain plug with extra washer
- Includes mounting kit with hex-drive studs and serrated-face flare nuts
- Use stock pan gasket
- Works with OEM exhaust

PART # DESCRIPTION

20901 Oil Pan, Aluminum, Fully Fabricated

PART # RECOMMENDED PICKUPS

24010 Fits: VTEC Engines

24011 Fits: Non-VTEC Engines and 1.6 Liter VTEC

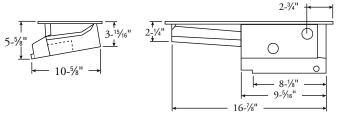
PART # AVAILABLE OPTION 38366 Oil Pan Stud Kit







MURIORIO



HONDA H-SERIES

Aluminum, Race Baffled Fabricated Steel Engine Application: Honda H-Series 2.2L/2.3L

*For engine swaps check dimensions for clearance

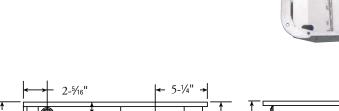
Fits: Accord and Prelude (Except 4ws)

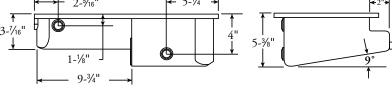
- Integral sump tray and large, 6" trap-door baffle for oil control or Drag Race & Street
- Aluminum with 3/8" thick billet aluminum pan rail provides a rigid flange for leak-free sealing; accommodates stock pan gasket
- Includes ½" NPT bung for plumbing turbo return line, ½" NPT bung for installing oil temperature sender and magnetic drain plug with extra washer (also includes plugs for unused bungs)
- Includes pan mounting kit with hex-drive steel studs

DESCRIPTION

20912 Oil Pan, Aluminum, Fully Fabricated

RECOMMENDED PICKUP PART # Fits: Stock Oil Pumps 24012 **AVAILABLE OPTION** PART # 38366 Oil Pan Stud Kit





1/2" NPT BUNG

STREET / COMPETITION

HONDA H-SERIES

Steel, Race Baffled Fabricated Steel Engine Application: Honda H-Series 2.2L/2.3L Fits: Accord and Prelude (Except 4ws)

- Features a race proven trap door assembly, anti-slosh baffle and a vertical wall that keep oil contained in oil pump pick up area during hard acceleration, cornering and braking
- Designed for Road Racing, makes an excellent Drag Race oil pan
- Based on a thick steel oil pan core with a fabricated steel extra capacity sump.
- Uses O.E.M. oil pump pickup and works with O.E.M. windage tray and main girdle
- Extra capacity: holds 1/2" of a quart more than stock
- ½" NPT fitting for supercharger or turbo drain back
- 1/2" NPT fitting for oil temperature sender
- · Magnetic drain plug

PART# DESCRIPTION

20917 Oil Pan, Fabricated Steel, Race Baffled

PART# **RECOMMENDED PICKUP**

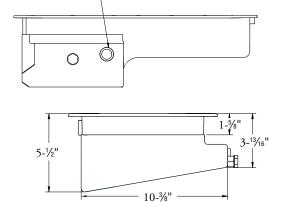
Use Stock Oil Pump & Pickup



No. 20917

No. 20912





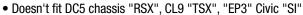
NOTE: Oil Pan Capacities DO NOT include oil filter capacity. All Moroso Pans include a Magnetic Drain Plug.

ACURA/HONDA K-SERIES

Steel, Race Baffled

Engine Application: Acura/Honda K-Series

Fits: K-series Engine Swaps into Integra (DA) '90-'93, Integra (DC)'94-'01, Accord (CB) '90-'93, Accord (CD) '94-'97, Civic/CRX: (EF)'88-'91. Civic (EG) '92-'95. Civic (EK) '96-'00. Civic (ES) '01-'05; Fit (GD) '07-'08, Prelude (BB) '92-'96



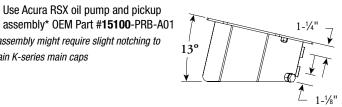
- Designed to be used with the Acura RSX oil pump assembly* OEM Part #15100-PRB-A01 and Acura RSX Windage Tray OEM Part #11211-PNC-000
- Oil Pan has a thick steel rail with a sump that is 5.5" deep, 16.75" long and 9" wide
- Features a race proven trap door assembly and anti-slosh baffle that keeps oil contained in oil pump pickup area during road racing and drag racing
- Extra capacity: holds two more quarts than stock
- ½" NPT fitting for supercharger or turbo drain back
- 1/2" NPT fitting for oil temperature sender
- Magnetic drain plug

PART # DESCRIPTION

20915 Oil Pan, Fabricated Steel, Clear Zinc, Race Baffled

PART # **RECOMMENDED OIL PUMP & PICKUP** Use Acura RSX oil pump and pickup

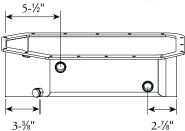
*Oil pump assembly might require slight notching to clear certain K-series main caps





No. 20915





ACURA/HONDA K-SERIES

Steel, Wet Sump, Race Baffled, Notched for Cross member clearance Engine Application: Acura/Honda K-Series

Fits: Notched to fit in ACURA/HONDA K-SERIES, RSX (DC5)'02-'06, TSX (CL9) '04-'08, Civic SI (EP3) '02-'05, Accord (CG) '98-'02, Accord '03-'07 and also fits K-series Engine Swaps into Integra (DA) '90-'93, Integra (DC) '94-'01, Accord (CB) '90-'93, Accord (CD) '94-'97, Civic/CRX (EF) '88-'91, Civic (EG) '92-'95, Civic (EK) '96-'00. Civic (ES) '01-'05, Fit (GD) '07-'08, Prelude (BB) '92-'96

- To be used with the Acura RSX oil pump assembly* OEM Part # 15100-PRB-A01 and Acura RSX Windage Tray OEM Part # 11211-PNC-000
- Oil pan has a thick steel rail with a sump that is 5-\frac{1}{2}" deep, 16-\frac{3}{4}" long and
- Features a race proven trap door assembly and anti-slosh baffle that keeps oil contained in oil pump pick up area during road racing and drag racing
- Extra capacity: holds one more quart than stock
- ½" NPT fitting for supercharger or turbo drain back
- 1/2" NPT fitting for oil temperature sender
- · Magnetic drain plug

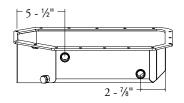
PART # DESCRIPTION

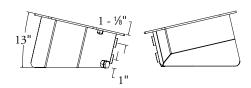
Oil Pan, Fabricated Steel, Clear Zinc, Race Baffled Notched for 20919 Cross member clearance





No. 20919





RECOMMENDED OIL PUMP & PICKUP PART

Use Acura RSX oil pump and pickup assembly* OEM Part #15100-PRB-A01

*Oil pump assembly might require slight notching to clear certain K-series main caps

NOTE: Oil Pan Capacities DO NOT include oil filter capacity. All Moroso Pans include a Magnetic Drain Plug.

MAZDA

Aluminum, Wet Sump, 6-1/4 Quart Capacity (with stock oil cooler installed), 4" Deep

STREET / COMPETITION

Engine Application: 13B Rotary

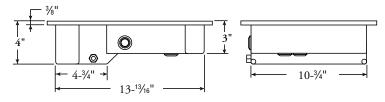
Fits: Tube chassis cars and other cars without a cross-member located under engine (check dimensions for clearance)

- Fully fabricated
- %"-thick billet rail with integral X-brace greatly strengthens engine assembly to reduce twisting and axial deflection
- Includes .080"-thick aluminum Baffle Plate to de-aerate and cool return oil (other baffles are only .060" thick)
- Includes an oil pump pickup specially designed for this pan; access holes in pan facilitate mounting pickup to the front cover
- For Drag Race & Street
- Includes magnetic drain plug with extra copper washer and pan mounting kit with hex-drive steel studs to eliminate stripping the engine block and serrated-face flare nuts to withstand vibration
- Accommodates stock pan gasket and dipstick with existing oil level marks

PART# DESCRIPTION

20940 Oil Pan, Aluminum, Rear Sump

PART # **AVAILABLE OPTION** 38366 Oil Pan Stud Kit



MAZDA

Aluminum, Wet Sump, 6-1/4 Quart Capacity, 4" Deep

Engine Application: 13B Rotary

Fits: RX-3 & RX-4 models; several rotary engine conversions including 1981-'84 Toyota Starlet, 1964-'83 Toyota Corolla, 1971-'73 Datsun 1200 & others with little or no cross-member modifications; also tube chassis cars

- Rugged 3/8" thick billet aluminum gasket rail with integral cross-brace serves as a girdle to greatly strengthen the entire engine assembly and reduce flexing under hard driving
- Fully fabricated
- Dual trap door baffles for Drag Race & Street
- Enlarged sump increases capacity to 6-1/4 quarts (with stock oil cooler installed) while adding only a quarter-inch in depth to provide ample ground clearance
- Includes oil temperature sender provisions
- Includes magnetic drain plug with extra copper washer, pan mounting kit with hex-drive steel studs to eliminate stripping the engine block and serrated-face flare nuts to withstand vibration
- Accommodates stock pan gasket and dipstick (with modification)

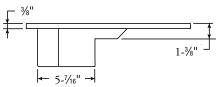
DESCRIPTION PART #

20942 Oil Pan, Aluminum, Front Sump PART # RECOMMENDED PICKUP

Use Stock Oil Pump & Pickup

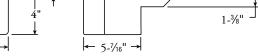
AVAILABLE OPTION PART# 38366 Oil Pan Stud Kit







No. 20942



STREET / COMPETITION

MITSUBISHI

Aluminum, Wet Sump, 6-1/4 Quart Capacity, 6-1/2" Deep Engine Application: 2.0L DOHC Turbo 4G63

Fits: 1989-Mid '92 Eclipse

Can be used with Front and All-Wheel Drive

- Aluminum with ¾" thick billet aluminum pan rail provides a rigid flange for leak-free sealing; accommodates stock pan gasket
- Trap door baffles provide adequate oil control in Drag & Road Racing
- Built-in mounting flange allows the use of the stock turbo drain tube
- ½" NPT bung accommodates oil temperature sender
- Includes mounting kit with hex-drive studs and serrated-face flare nuts
- · Magnetic drain plug included

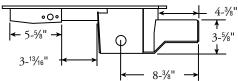
PART # DESCRIPTION

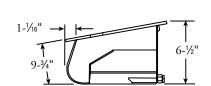
20960 Oil Pan, Aluminum, Fully Fabricated, Kicked-Out Sump

PART # RECOMMENDED PICKUP

Use Stock Oil Pump & Pickup

PART # AVAILABLE OPTION 38366 Oil Pan Stud Kit





No. 20960

├── 8-¾" →|

MITSUBISHI EVO 2, 8, 9, ROAD RACE BAFFLED Aluminum, Wet Sump, 6.5 Quart Capacity

Engine Application: Mitsubishi 4G63T I4 Race Baffled

Fits: 2001-'07 Mitsubishi Evo, 7, 8, 9 with aftermarket lower intercooler pipe

- Has a %" thick billet aluminum oil pan rail with a fabricated aluminum sump that is ¾" deeper than the stock oil pan
- Features a race-proven, trap door assembly and an antislosh baffle that keeps oil contained in the oil pump pick up area during road racing and drag racing
- To free up horsepower and to help with oil temps, the oil pan also features a removable windage tray and crank scraper
- Holds 1.5 more quarts than stock, 6.5 quart capacity
- Has an accommodation for stock or aftermarket oil return lines
- Includes a heavy duty, bolt-on oil pump pick up
- Magnetic drain plug and a mounting kit comprised of hex drive steel studs and serrated flange nuts are included
- Uses stock dipstick
- 1/2" NPT fitting for oil temperature sender

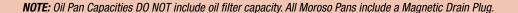






PART # DESCRIPTION

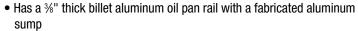
20967 Oil Pan, Fabricated Aluminum, Race Baffled for Mitsubishi Evo. 7, 8, 9



MITSUBISHI EVO 10 Aluminum, Race Baffled

Engine Application: Mitsubishi 4B11T engines

Fits: 2008-'16 Mitsubishi Evo 10, will fit with factory air conditioning



- Features a race-proven, three door assembly and removable anti-slosh baffle that keeps oil contained in oil pump pickup area during road racing and drag racing
- Holds 1.5 more quarts than stock
- ½" NPT fitting for oil temperature sensor and 0-ring style drain plug
- Includes mounting kit with hex drive steel studs and serrated-faced flange nuts
- Reuses stock air conditioning hardware and bedplate

DESCRIPTION

20969 Oil Pan, Fabricated Aluminum, Race Baffled for

Mitsubishi Evo 10, 2008-16

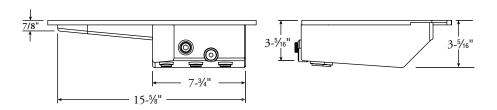
PART # **RECOMMENDED PICKUP**

Use Stock Oil Pump & Pickup



No. 20969





NISSAN SR20. RWD

Aluminum, Wet Sump, 4.75 Quart Capacity, Stock Depth Engine Application: Nissan SR20, RWD

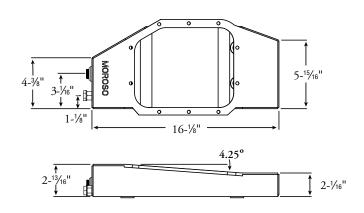
- Dual internal baffling insures oil control not present in OE oil pan
- For use in Road Racing, Drifting and Drag Racing
- Bolt-in upgrade replaces OEM steel pan
- 1/4" aluminum rail
- . Metric studs and nuts included
- Oil temperature provision (1/2" NPT bung)
- · Magnetic drain plug included

PART# DESCRIPTION 20975 Oil Pan, Aluminum PART# RECOMMENDED PICKUP Use Stock Oil Pump & Pickup

PART # **AVAILABLE OPTION** 38366 Oil Pan Stud Kit



No. 20975



NOTE: Oil Pan Capacities DO NOT include oil filter capacity. All Moroso Pans include a Magnetic Drain Plug.

STREET / COMPETITION

SUBARU EJ20, EJ22 & EJ25 Aluminum, Wet Sump, 5 Quart Capacity, Competition Baffled for Rally, Road Race, Drag Race and Sand Rail

Engine Application: Subaru EJ20, EJ22 & EJ25

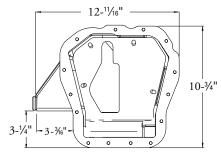
Fits: Subaru Impreza 1993-2007, Legacy 1990-2009 and Forester 1997-2008 and universal applications such as Sand Rails.

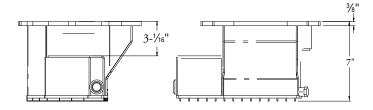
- One-piece %" thick billet aluminum oil pan rail provides a rigid flange for leakfree sealing
- Baffled for Rallying, Road & Drag Racing
- Bottom of oil pan is finned for heat dissipation
- Windage tray for increased horsepower saving and oil control
- ½" NPT fitting that can be used for crank case ventilation or for head drainback
- 1/2" NPT fitting for oil temperature sender
- Oil pan gasket (Fel Pro® # 30656) included
- Uses factory dipstick
- High-grade mounting hardware included
- Includes heavy duty, braced oil pump pickup Part No. 24965 with 0-ring

PART# DESCRIPTION

20965 Oil Pan, Aluminum with Billet Rail

PART# **AVAILABLE OPTION** 38366 Oil Pan Stud Kit





No. 20965

SUBARU EJ20. EJ22 & EJ25

Steel/Aluminum, Wet Sump, 6 Quart Capacity, 6-15/16" Deep

Engine Application: Subaru EJ20/EJ22/EJ25

Fits: Subaru Impreza 2002-2011, Legacy 2004-2009, and Forester 2004-2008 and Universal Applications such as Sand Rails. On earlier model Subaru(s), check chassis and oil pan dimensions for compatibility.

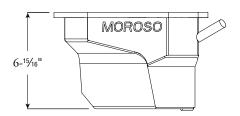
- Designed to work with all popular header combinations currently available
- Aluminum version features a billet rail, steel version has a laser-cut rail
- Anti-slosh baffle for increased horsepower savings and oil control
- Uses factory dipstick
- ½" NPT fitting for air/oil separator or turbo drain back
- · Oversize O-ring style drain plug for ease of oil draining
- Includes heavy duty, braced oil pump pickup with 0-ring

PART # DESCRIPTION

20966 Oil Pan, Steel, Black Zinc 20968 Oil Pan, Fabricated Aluminum



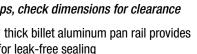






TOYOTA

Aluminum, Wet Sump, 6 Quart Capacity, 5-1/4" Deep Engine Application: 3C, 2T and 2C engines For engine swaps, check dimensions for clearance



- One-piece, 1/4" thick billet aluminum pan rail provides a rigid flange for leak-free sealing
- Trap door baffling for Road Racing, also an excellent Drag Race oil pan
- Louvered windage tray maximizes horsepower and de-aerates oil
- A separate sump tray helps prevent oil from splashing back and also de-aerates oil returning from the turbo
- Includes (2) 1/2" NPT bungs for plumbing turbo oil return line and installing oil temperature sender.
- Two magnetic drain plugs facilitate oil draining when the engine is canted left or right
- Includes mounting kit with hex-drive steel studs and serrated-face flange nuts

DESCRIPTION

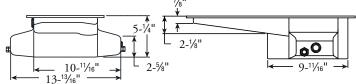
Oil Pan, Aluminum, Fully Fabricated, Kicked-Out Sump 20930

RECOMMENDED PICKUP PART #

Use Stock Oil Pump & Pickup

AVAILABLE OPTIONS PART#

23210 Windage Trav 38356 Oil Pan Stud Kit



No. 20930

Aluminum, Wet Sump, 6-1/4 Quart Capacity, 7-9/16" Deep Engine Application: Model #3SGT 2.0L Turbo and 5SFE Non-Turbo Fits: 1990-'95 MR2, Celica and All Track



- Trap door baffling ensures adequate oil control in Road Racing, also an excellent Drag Race oil pan
- · Solid windage tray with oil drain & dipstick cut out holes prevents oil from splashing back to the rotating assembly, robbing vital horsepower
- Front of pan includes a 28mm threaded bung to accommodate the factory turbo drain back connection
- Side of pan retains a %" thick billet receptacle to accommodate the factory oil level sensor
- · Includes mounting kit with hex drive steel studs and serrated faced flange nuts

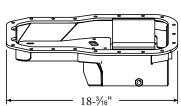
PART # DESCRIPTION

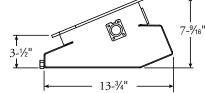
20935 Oil Pan, Aluminum, Kicked-Out Sump

RECOMMENDED PICKUP PART #

Use Stock Oil Pump & Pickup

AVAILABLE OPTION PART# 38366 Oil Pan Stud Kit









No. 20935



STREET / COMPETITION

TOYOTA-LOTUS ELISE

Aluminum, Wet Sump, 6 Quart Capacity, Stock Depth Engine Application: 1ZZ/2ZZ Engines, Lotus, Elise Fits: 2000-'05 Toyota, Celica, Front Wheel Drive, 1999-'05 US, 1999-'07 J.D.M. Japanese Toyota MR2 mid engine cars,

2004-Up Lotus Elise

- · Manufactured from thick aluminum
- Internal baffling insures oil control not present in a OE oil pan
- Baffled for Road Racing, also an excellent Drag Race oil pan
- Can be used as a bolt-in replacement for the stock pan
- 3/4" Billet Aluminum rail
- · Metric studs and nuts included
- Turbo drain, ½" NPT bung for turbo drainback
- ½" NPT bung for oil temperature provision

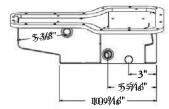
PART # DESCRIPTION

20970 Oil Pan, Billet Aluminum, Wet Sump, Toyota-Lotus

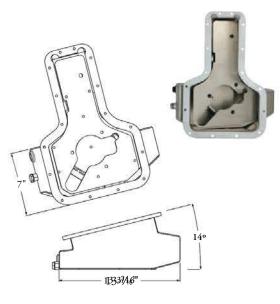
PART # RECOMMENDED PICKUP

Use Stock Oil Pump & Pickup

PART # AVAILABLE OPTION 38366 Oil Pan Stud Kit







TOYOTA 2GR-FE/Z. LOTUS EVORA

Aluminum, Wet Sump, 6.25 Quart Capacity, Stock Depth Fits: 2010-Up 2GR-FE/Z swaps into MR2 Lotus Evora Supercharged and Non-Supercharged

- 3/8" Thick Billet Aluminum Rail with integral O-ring
- Features a race proven trap door assembly and a removable anti-slosh baffle that keeps oil contained in the oil pump pickup area during road racing and drag racing
- Designed to be used with the factory oil pump pickup
- Two -10 AN female fittings with bungs for supercharger or turbo drain back
- 1/8" NPT fitting for oil temperature sender
- 0-ringed magnetic drain plug
- Includes 6mm mounting studs and nuts

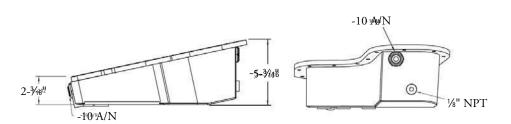
PART # DESCRIPTION

20971 Oil Pan, Aluminum, Race Baffled









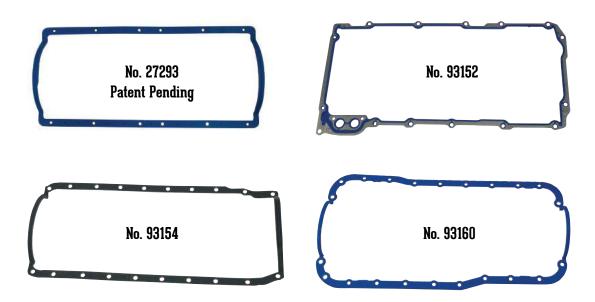
OIL PANS, VALVE COVERS, OIL TANKS & MORE



OIL PAN GASKETS

Race Quality

Why go searching for the right oil pan gasket for a Moroso oil pan? Now Moroso offers race quality, reinforced oil pan gaskets that have been verified by Moroso to work with our oil pans



PART #	DESCRIPTION
27293	Oil Pan Gasket, One Piece Design, Steel Reinforced, Ford 7.3 Powerstroke 1994-2003 and International T444E
93150	Oil Pan Gasket, One Piece Design, Steel Reinforced, For SBC, Pre '85 Engine Block with 2 piece rear main seal
93151	Oil Pan Gasket, One Piece Design, Steel Reinforced, SBC '86-Up Engine Block Style with 1 piece rear main seal
93152	Oil Pan Gasket, One Piece Design, Steel Reinforced, GM LS Series (Except LS7 & LS9)
93153	Oil Pan Gasket, One Piece Design, Steel Reinforced, BBC Mark 4, notched for stroker cranks
93154	Oil Pan Gasket, One Piece Design, Steel Reinforced, BBC Gen 5 & 6
93160	Oil Pan Gasket, One Piece Design, Steel Reinforced, Ford 289-302 for oil pan core with a smooth rail*
93161	Oil Pan Gasket, One Piece Design, Steel Reinforced, Ford 289-302, for oil pan core with a dimpled rail*
93162	Oil Pan Gasket, One Piece Design, Steel Inserts, Ford 351W, for oil pan core with a smooth rail*
93163	Oil Pan Gasket, One Piece Design, Steel Reinforced, Ford 351W, for oil pan core with a dimpled rail*
93164	Oil Pan Gasket, One Piece Design, Steel Reinforced, Ford 4.6/5.4
93166	Oil Pan Gasket, One Piece Design, Steel Reinforced, Ford 460, for oil pan core with a smooth rail*
93167	Oil Pan Gasket, One Piece Design, Steel Reinforced, Ford 460, for oil pan core with a dimpled rail*
93174	Oil Pan Gasket, One Piece Design, Steel Reinforced, Chrysler 361-440, Hemi, KB, BAE & Wedge (not TFX)
93175	Oil Pan Gasket, One Piece Design, Steel Reinforced, Jeep 4.0L, 232, 242, 258

UNIVERSAL DIPSTICK KIT

- ullet Chrome plated Dipstick Kit fits Moroso and other oil pans with a built-in 1/4" NPT fitting
- ¼" NPT steel weld-in fitting supplied for pans that do not already have that provision





No. 25970

- Existing "full" and "fill" dipstick marks can be used "as is" or new marks can be added to indicate desired oil level
- Tube and universal mounting tab can be bent or modified to accommodate engine compartment clearances and mounting location
- Seal keeps the dipstick secure in tube
- Dimensions: overall length including exposed portion of dipstick 24"

PART # DESCRIPTION

25970 Universal Dipstick Kit, ¼" NPT fitting and pan adapter

OIL PAN ACCESSORIES

OIL PAN DIPSTICK

Flex Tube, Stainless Steel, Universal

Fits: Moroso Oil Pans with 1/4" NPT dipstick bung



- Oil Pan Dipstick features braided stainless flex tube with 1/4" NPT fitting and a machined aluminum handle
- Existing "full" and "fill" dipstick marks can be used as-is, or new marks can be added to indicate desired oil level
- Flexible tube and universal mounting tab can be bent or modified to accommodate engine compartment clearances and mounting location
- O-Ring seal keeps dipstick secured in tube and prevents crankcase gasses from escaping
- Dimensions: exposed portion of dipstick is 14" long, overall 20-3/4" long

PART # DESCRIPTION

25971 Oil Pan Dipstick, Flex Tube, Stainless Steel, Universal

UNIVERSAL DIPSTICK KIT

Twist-Lock

- Efficient twist-lock design eliminates oil leakage, blowing out of handle and prevents crankcase gasses from escaping
- In Dyno testing, engines equipped with our twist-lock dipstick pulled more vacuum than engines equipped with standard, non-locking dipstick



- Flexible stick; zinc-plated, bendable outer tube; adjustable clamp
- 1/4" NPT steel, weld-in fitting supplied for pans that do not already have that provision
- Existing "full" and "fill" dipstick marks can be used as-is, or new marks can be added to indicate desired oil level
- Tube and universal mounting tab can be bent or modified to accommodate engine compartment clearances and mounting location
- Dimensions: overall length, including exposed portion of dipstick 24"

PART # DESCRIPTION

25973 Universal Dipstick Kit, Twist Lock

REPLACEMENT OIL PAN AND TRANSMISSION DRAIN PLUGS

- 3/4" hex head with 1/2" x 20 threads
- Replacement for Moroso Oil and Transmission Pans and others
- Extra strength, rare earth magnetic tip holds metal particles

No. 97000

No. 25973



PART # DESCRIPTION

97000 Oil Pan Drain Plug. Chrome-Plated. Includes Nylon Washer97001 Oil Pan Drain Plug. Clear Zinc. Includes Nylon Washer

97002 Oil Pan and Transmission Drain Plug. Clear Zinc. Includes Copper Washer

No. 97002



OIL PAN DRAIN PLUG

14 MM, 1.5 Thread

- 14 MM, 1.5 thread pitch with a 17 MM hex head
- Replacement for Moroso Nos. 20911 & 20980, also is an excellent drain plug upgrade to O.E.M. oil pans that take this thread size
- Strong Rare Earth Magnetic tip holds metal particles
- Zinc Finish

Includes a Nylon washer

PART # DESCRIPTION

97003 Oil Pan Drain Plug, Zinc Finish

OIL PAN DRAIN PLUG. MAGNETIC

- 3/4" inch -16 thread (-8 AN) with O-Ring
- Replacement for Moroso Oil Pans with kick out designs

PART # DESCRIPTION

97006 Oil Pan Drain Plug, 1 per pack, Magnetic









No. 97006

REPLACEMENT DRAIN PLUG WASHERS

- High quality washers ensure a leak-free seal
- ½" I.D. x ¾" 0.D.
- Fits Moroso Drain Plug Nos. 97000 and No. 97001 and others

PART # DESCRIPTION

97010 Replacement Drain Plug Washers, Copper, Ten per Pack97011 Replacement Drain Plug Washers, Nylon, Ten per Pack





No. 97011

No. 97010

OIL PAN ACCESS PLUG

- 3/4" inch -16 thread (-8 AN) with 0-Ring
- Replacement for Moroso Oil Pans with kick out designs

PART # DESCRIPTION

97005 Oil Pan Access Plug, Six per pack













OIL PAN INSPECTION PLUG KIT

- Allows sanctioning bodies to conduct post-race inspections of connecting rods without removing oil pan
- · Kit is easy to install
- Includes steel fitting to be welded to side of oil pan and a removable, lightweight 1" NPT aluminum inspection plug

PART # DESCRIPTION

23970 Oil Pan Inspection Plug



No. 23970

PLUG

20mm x 1.5, Male with Copper Washer

- On certain models from GM and Ford, a low oil warning sensor screws into a 20mm female fitting in the 0.E.M. oil pan
- Moroso Oil Pans Nos. 20185, 20570, 20571, 20572, 21811 and 21812 include the 20mm female fitting for the factory sensor
- This male plug is for use when the factory low warning sensor is not going to be utilized
- Includes a copper washer

PART # DESCRIPTION

22738 Plug, 20mm x 1.5, Male with Copper Washer



-10AN MALE FITTING

Non-Weld

- Non-weld kit, makes it easy to add a leak proof fitting to oil pans for oil returns, valve covers etc., without having to actually weld the fitting
- Perfect for adding a fitting to steel or aluminum with up to a 1/8" max. wall thickness
- . 0-ring seal to prevent leaks

PART # DESCRIPTION

22753 -10AN Male Fitting, Non-Weld



No. 38315

OIL PAN ACCESSORIES

REAR SEAL ADAPTERS

- Converts one-piece rear main seal on 1986 and newer Small Block
 Chevy blocks to the old style, two-piece rear seal when installing the old style crankshaft in the newer style blocks
- Available for use with both new style oil pan (1986 and newer blocks with one-piece rear seal), and old style oil pan (pre-1980 blocks with driver-side dipstick)
- Manufactured from billet aluminum
 PART # DESCRIPTION
- Includes fasteners 38315 Rear Seal Adapter, Small Block Chevy, use with new style oil pan

(1986 and newer blocks with one-piece rear seal)

38415 Rear Seal Adapter, Small Block Chevy, use with old style oil pan

(pre-1980 blocks with driver-side dipstick)



Dart LS Next Non-skirted Engine Block

 This oil pan spacer kit contains a right and left billet aluminum spacers, mounting hardware that is included in Moroso Part

No. 20144 Dart LS Next Oil Pan Kit

- This spacer kit is designed to mount the following GM LS oil pans*; Moroso, O.E.M. or other aftermarket oil pans to DART LS Next engine blocks
- Billet Aluminum Spacers have a built in oil ring groove on the side that mounts between the spacer and the engine block, on the other side of the spacer is a smooth surface that oil pan gasket mounts between it and the oil pan
- Includes mounting hardware, billet aluminum spacers have mounting holes for A/C and P/S brackets



No. 22934

PART # DESCRIPTION

22934 Oil Pan Spacer Kit, Dart LS Next, non-skirted engine block

PART # AVAILABLE OPTIONS

93152 Oil Pan Gasket, GM LS Series (Except LS7 & LS9)

*Any oil pan besides Moroso Part Nos. 20144 or 20155 will require modification to itself or the oiling system

CHEVROLET CRANKSHAFT WIPERS

- Removes excess oil from crankshaft to reduce horsepowerrobbing windage
- .035" steel plate comes pre-fit so only slight amounts of material must be removed
- Trim to within .045" of the connecting rods and counterweights for best results

PART # DESCRIPTION

25800 Crankshaft Wiper, Small Block Chevy25830 Crankshaft Wiper, Big Block Chevy



WINDAGE TRAYS & ACCESSORIES

UNIVERSAL WINDAGE TRAY SCREEN

- Keeps rotating assembly free of unwanted oil to reduce horsepower robbing windage
- Screen must be trimmed for each engine application

PART # DESCRIPTION

22912 Uni-Directional Windage Tray Screen, 23" x 16", Universal Application



WINDAGE TRAYS & ACCESSORIES

CHEVY V8 LOUVERED WINDAGE TRAYS

- Louvered design allows oil thrown from rotating assembly to drain into sump without splashing back
- Teflon coated for guick drainage
- Improved drainage reduces windage, increases power
- . Mount with aftermarket stud kits or with stock extended main cap studs
- Fits Moroso Oil Pans, some trimming may be required



23020 Louvered Windage Tray, SBC and 400 block, with either driver or

passenger side dipstick

23030 Louvered Windage Tray, BBC, Mark IV



No. 23020

No. 23030

CHEVY V8 OIL CONTROL KITS

- Kits convert stock-type oil pan into competition style pan for proper oil control, consistent oil pressure and horsepower gain
- Includes Teflon coated windage tray, which attaches to stock type main cap studs with standoffs
- · Also includes crankshaft scraper and bolt-on rear pan baffle
- Fits Moroso Oil Pans, some trimming may be required

PART # DESCRIPTION

23035 Oil Control Kit, SBC with either driver or passenger side dipstick

23036 Oil Control Kit, BBC



No. 23036

MAIN CAP BAFFLES

 Mounts between rear main bearing cap and oil pump to prevent sump oil from reaching crankshaft during hard acceleration

PART # DESCRIPTION

23000 Main Cap Baffle, Small Block and 90° V6 Chevy

23010 Main Cap Baffle, Big Block Chevy



Note: Baffles must be trimmed to fit oil pan.

WINDAGE TRAYS & ACCESSORIES

OIL PAN BAFFLE KIT. HONDA S2000 API/AP2

Trap Doors, Weld-In Fits: Honda S2000, 1999-'09

 The Moroso Drop and Weld in trap door baffle assembly fits both AP1 and AP2 Honda S2000 oil pans

- The baffle assembly creates an oil containment area that is fed by 3 Trap Doors and 2 anti-slosh plates
- Constructed out of heavy gauge aluminum with aluminum trap doors
- Installation of the baffle assembly is accomplished by placing the self positioning assembly in a clean degreased factory S2000 oil pan and having the assembly stitch welded in by a proficient aluminum welder

PART # DESCRIPTION

23040 Oil Pan Baffle Kit. Honda S2000 AP1/AP2





No. 23040

OIL PAN BAFFLE, SUBARU BRZ/SCION FRS

- •The Moroso Double Tier, Drop in baffle assembly fits the O.E.M. oil pan without modification by sandwiching between the engine block and oil pan
- The baffle assembly with directional oil return flaps creates an oil containment area that keeps the oil pump pick up fed and oil off the rotating assembly to free up horsepower and cut down on oil temperatures
- Baffle Kit will help protect the engine from oil pressure surges in prolonged corners with high lateral G forces or long acceleration runs
- Constructed out of aluminum and comes with 2 sealing washers for the internal drain tubes

PART # DESCRIPTION

23045 Oil Pan Baffle Kit, Subaru BRZ/SCION FRS, DROP IN





LOUVERED WINDAGE TRAY. LS ENGINE

Fits: GM LS Engines

- Louvered design allows oil thrown from rotating assembly to drain into sump without splashing back, reducing windage, increasing power and cutting down oil temperature
- · Manufactured from 16 gauge steel
- Mounts right to the main caps
- Fits Moroso Oil Pan Nos. 20141, 20143, 20145, 20147, 20149, 20150 and 21150
- Must use Corvette C-6 Dipstrick



No. 22941

PART # DESCRIPTION

22941 Louvered Windage Tray, LS Engine Also a replacement part for Moroso Pan **No. 21150**

LOUVERED WINDAGE TRAY

Fits: Ford 302 Engines with Rear Sump Oil Pans

- Louvered design allows oil thrown from rotating assembly to drain into sump without splashing back, reducing windage and increasing power
- Mount with Moroso Windage Tray Stud Kit No. 38191

PART # DESCRIPTION

22930 Louvered Windage Tray, Ford 302

*NOTE: Will not fit 4-bolt engine blocks such as: Ford Boss 301, 302 Ford R302 and Dart



No. 22930

LOUVERED WINDAGE TRAY

Fits: Ford 351W/SVO with Rear Sump Oil Pans*

- Louvered design allows oil thrown from rotating assembly to drain into sump without splashing back, reducing windage and increasing power
- Mount with Moroso Windage Tray Stud Kit No. 38192

PART # DESCRIPTION

22935 Louvered Windage Tray, Ford 351W

*NOTE: Will fit Dart 4 bolt engine blocks with slotting mounting holes.



No. 22935



Windage Tray Mounting Stud Kits on pg. 210

LOUVERED WINDAGE TRAY

Fits: Ford 351C & 351M Engines with Rear Sump Oil Pans

- Louvered design allows oil thrown from rotating assembly to drain into sump without splashing back, reducing windage and increasing power
- Mount with Moroso Windage Tray Stud Kit. No. 38192

PART # DESCRIPTION

22939 Louvered Windage Tray, Ford 351C & 351M

No. 22939



LOUVERED WINDAGE TRAY

Fits: Ford 4.6/5.4

- Fits both stock* and aftermarket oil pans
- Louvered design allows oil thrown from the rotating assembly to drain into the sump without splashing back, reducing the windage and increasing power
- Features dual cylinder bank drain back for superior oil control and horsepower gains
- Goes between the engine block and oil pan
- · Constructed out of 14 gauge steel with a clear zinc finish
- · Includes oil pan studs and nuts

PART # DESCRIPTION

22933 Ford 4.6/5.4 Louvered Windage Tray



No. 22933

*On some Mustang Cobra applications, diverters in factory oil pan and oil pump pickup need to be trimmed.

OIL PAN ACCESSORIES

LOUVERED WINDAGE TRAY

Fits: Ford 352-428 FE Engines

- Fits Moroso Oil Pan Nos. 20606, 20607, 20608 and 20609
- Louvered design allows oil thrown from rotating assembly to drain into sump without splashing back, reducing windage and increasing power

PART # DESCRIPTION

22940 Louvered Windage Tray, Ford 352-428 FE engines



No. 22940

HIGH-PRESSURE OIL PUMP RELIEF SPRING

Designed by Jack Roush

Fits: Ford 351C & 400 Engines

- Fits Melling M84A and M84AHV oil pumps
- Increases oil pressure to approximately 100 psi for proper lubrication under sustained high rpm conditions



PART # DESCRIPTION

22850 High-Pressure Oil Pump Relief Spring, Ford 351C and 400

No. 22850

MAIN CAP GIRDLE FOR 289-302 FORDS

- Manufactured from 1/2" thick steel
- Girdle to be profiled to fit over engine main caps without the need of spacers
- Designed to work with up to a 3.40" stroke
- Includes necessary hardware
- Works with any standard Melling M68 or M68HV oil pump

PART # DESCRIPTION 22928 Main Cap Girdle



No. 22928

TOYOTA LOUVERED WINDAGE TRAY

Fits: Stock style oil pans used in Toyota 3TC, 2T & 2TC engines

- Louvered design directs oil into pickup area to prevent starvation, increases horsepower by preventing sump oil from splashing back onto rotating crank and rod assembly
- . Mounts directly to front and rear main caps
- Includes notches to accept most stroke combinations

PART # DESCRIPTION

23210 Louvered Windage Tray, Toyota 3TC, 2T & 2TC engines. Also a replacement part for Moroso Pan No. 20930



No. 23210

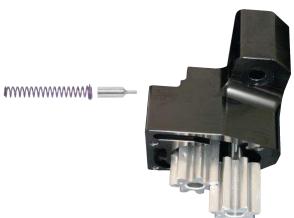
REPLACEMENT WINDAGE TRAYS FOR MOROSO OIL PANS

Replacement Trays are available directly from Moroso for current and some obsolete oil pans. Please allow plenty of time when ordering. Call our **Tech Support** or **Custom Manufacturing Departments** for more specific product information.

BILLET ALUMINUM OIL PUMPS

Moroso, the leader in oil system technology, has taken proven high volume oil pumps to the next level. Moroso engineers have incorporated the proven spur gear technology into a billet machined housing that solves the problems faced by today's racers. Broken pickups are a thing of the past for racers using Moroso's Small Block and Big Block Chevrolet Billet Oil Pumps.





SBC SPURGEAR PUMP

High Volume

- 6061-T6 billet housing with 3 times larger mounting boss area to prevent breaking
- Weight 1 lb. less than stock oil pump with pickup
- Inlet area is increased to prevent cavitation
- Thrust bearing assembly increases housing and gear life due to drive shaft axial forces on the drive gear
- Pump will clear 4-1/4" stroke with most steel rods
- Made to work with 8-1/4" deep oil pans

PART # DESCRIPTION

22171 Oil Pump, Billet, SBC, High Volume



Oil Pump Drive Shafts on pg. 123







WHAT DETERMINES WHICH OIL PUMP I NEED?

When choosing a spur gear or gerotor wet sump this is the most asked question. The answer is the oil pressure wanted and the additional amount of volume your engine requires. On Nitrous or Blown engines, additional oil pressure is desired. Our gerotor pump easily gives that extra amount by adjusting the bypass pressure. Many engines require more oil volume. Larger strokes and bigger valve train assemblies often require one to two gallons a minute more than required just five years ago. Typically

an engine over 565 cu. in. can benefit by a gerotor pump, but a spur gear pump can maintain great oil pressure in 598 cu. in. Every engine has different requirements, and installing too big a pump can cause oil pressure problems by overworking the bypass assembly.



BBC SPUR GEAR PUMP

High or Standard Volume (Patent No. 5,810,571)

- 6061-T6 billet housing with 3 times larger mounting boss area to prevent breaking
- Weights 1 lb. less than stock oil pump with pickup
- Inlet area is increased to prevent cavitation
- Thrust bearing assembly increases housing and gear life due to drive shaft axial forces on the drive gear
- Pump will clear 4-3/4" stroke with most steel rods
- Engineered to fit 8" deep oil pans

PART # DESCRIPTION

22163 Oil Pump, Billet Aluminum, BBC, High Volume22164 Oil Pump, Billet Aluminum, BBC, Standard Volume







High Volume

- 6061-T6 billet housing with 5.7 times larger mounting boss area to prevent breaking
- Hard Coated Finish
- 1.100" Gerotor puts out 25% more volume to maintain ideal oil pressure round after round
- External adjustment allows fine-tuning of oil pump bypass pressure
- · Inlet area is increased to prevent cavitation
- Thrust bearing assembly increases housing and gear life due to drive shaft axial forces on the drive gear
- Pump will clear 5.25" stroke with most aluminum rods
- Engineered to fit 8" deep fabricated aluminum oil pans

PART # DESCRIPTION

22167 Oil Pump, BBC, High Volume

OIL PUMP / PICKUP COMBINATIONS

Fits: SBC and BBC

- Package includes the Moroso pickup welded to the oil pump for a simple bolt-on installation
- Pickup orientation ensures proper clearance from pickup to bottom of any Moroso oil pan
- Oil pump is not modified internally



Oil Pump and Pickup Package, Small Block Chevy, Moroso Part
 No. 22099 Standard Volume Pump, Fits: 8-1/4" Deep Oil Pan
 Oil Pump and Pickup Package, Small Block Chevy, Moroso Part

No. 22109 High Volume Pump, Fits: 8-1/4" Deep Oil Pan

22144 Oil Pump and Pickup Package, Small Block Chevy, Moroso Part

No. 22109 High Volume Pump, Fits: stock 7-1/2" Deep Oil Pan
Oil Pump and Pickup Package, Small Block Chevy, Moroso Part
Oil Pump and Pickup Package, Big Block Chevy, Moroso Part

No. 22149 Standard Volume Pump, Fits: 8" Deep Oil Pan
22185 Oil Pump and Pickup Package, Big Block Chevy, Moroso Part

No. 22159 High Volume Pump, Fits: 8" Deep Oil Pan
22186 Oil Pump and Offset Pickup Package, Big Block Chevy, Moroso
Part No. 22159 High Volume Pump, Fits: 8" Deep Oil Pan

22195 Oil Pump and Pickup Package, Big Block Chevy, Moroso Part **No. 22159** High Volume Pump, Fits: 7-3/4" Deep Oil Pan





No. 22124 No. 22134



No. 22144

No. 22175



No. 22185



No. 22186



No. 22195

OIL PUMP / PICKUP COMBINATIONS

SMALL BLOCK CHEVY 3/4" DIAMETER INLET OIL PUMP/PICKUP COMBINATIONS

- 3/4" Diameter inlet area reduces cavitation in high RPM applications
- Features a Moroso "Tough Neck" oil pump, a thick neck to guard against pump breakage
- Pickup orientation ensures proper clearance from pickup to bottom of any Moroso oil pan

PART # DESCRIPTION

22146 High Volume Small Block Chevy Oil Pump with 3/4" diameter inlet area and pickup for 8-1/4" deep oil pan

22147 High Volume Small Block Chevy Oil Pump with 3/4"

diameter inlet area and pickup for 7-1/8" deep oil pan, for Oval Track applications. Fits Moroso Pan **Nos. 21312**,

21313, 21318, & 21319



No. 22147

SMALL BLOCK CHEVY 3/4" DIAMETER INLET

- 3/4" Diameter inlet area reduces cavitation in high RPM applications
- Pump and pickup are built to fit 8-1/4" deep oil pans. Will not work on "Rocket" blocks
- Drive shaft and idler shafts are extended to locate in the bottom cover, preventing dynamic shaft deflection
- Pickup orientation ensures proper clearance from pickup to bottom of any Moroso oil pan
- Bottom cover is doweled to properly locate the extended shafts
- A threaded plug blocks off bypass spring and cross-drilled relief hole

PART # DESCRIPTION

22139 High Volume Small Block Chevy Oil Pump with Heavy Duty Housing with anti-cavitation grooves



No. 22139

BIG BLOCK CHEVY/OIL PUMP/PICKUP COMBINATION WITH WINDAGE SHIELD

- To be used with Moroso Part Nos. 21049, 21047, 21048 and 21049 Chevrolet Big Block Oil Pans
- Package includes the Moroso pickup welded to the oil pump for a simple bolt-on installation
- Moroso Part No. 22159 High Volume oil pump is used
- Revolutionary windage shield was developed from extensive in house dyno sessions, at top engine builders and on the track by race teams
- The windage shield protects oil pump pickup from windage for steady oil pressure throughout RPM range
- Pickup orientation ensures proper clearance from pickup to bottom of any Moroso oil pan
- Oil Pump is not modified internally
- Offset pickup location for more consistent oil pressure under braking

PART # DESCRIPTION

22187 Oil Pump and Pickup Package, Big Block Chevy, 8" pan depth, high-volume pump



No. 22187

BELOW ARE THE PRE-WELDED OIL PUMP/PICK UP AND BILLET OIL PUMP APPLICATIONS AVAILABLE FOR CERTAIN MOROSO OIL PANS

Please note that not all Moroso Oil Pan part numbers have coordinating Oil Pump and Pickup Combinations and Billet Oil Pumps available for them. For questions on availability for your application, please check the Oil Pan section of this catalog (pages 32-66) for your specific pan.

CHEVROLET

Chevrolet Small Block

Moroso Oil Pan Part #	Standard Volume %" inlet	High Volume 5%" inlet	High Volume ¾" Inlet M155HV Style Pump	High Volume ¾" Inlet Circle Track M155HV Style Pump	High Volume ¾" Inlet Anti-Cavitation Grooves M10555 Style Pump w/ Anti-Cavitation Grooves	High Volume Moroso Billet Aluminum Spur Gear Pump w/ Built-In Pickup
20170		22144				
20171		22144				
20172		22144				
20180	22124	22134	22146		22139	22171
20181	22124	22134	22146		22139	22171
20182	22124	22134	22146		22139	22171
20190	22124	22134	22146		22139	22171
20191	22124	22134	22146		22139	22171
20195	22124	22134	22146		22139	22171
20196	22124	22134	22146		22139	22171
20200	22124	22134	22146		22139	22171
20201	22124	22134	22146		22139	22171
20205	22124	22134	22146		22139	22171
20206	22124	22134	22146		22139	22171
20230	22124	22134	22146		22139	22171
21017	22124	22134	22146		22139	22171
21234	22124	22134	22146		22138	22171
21235	22124	22134	22146		22139	22171
21238	22124	22134	22146		22139	22171
21239	22124	22134	22146		22139	22171
21312				22147		
21313				22147		
21318				22147		
21319				22147		







No. 22146

No. 22139

No. 22171

CHEVROLET, CONTINUED

Chevrolet Big Block

Moroso	Standard Volume Pickup/ Pump	High Volume Pickup/	High Volume Offset Pickup/	High Volume Offset Pickup/ Pump Welded Combination	Standard Volume Moroso Billet Aluminum Spur Gear Pump	High Volume Moroso Billet Aluminum Spur Gear Pump	High Volume Moroso Billet Aluminum Gerotor Pump
Oil Pan	Welded	Pump Welded	Pump Welded	w/ Windage	w/ Built-in	w/ Built-in	w/ Built-In
Part #	Combination	Combination	Combination	Shield	Pickup	Pickup	Pickup
20380	22175	22185	22186		22164	22163	22167
20385	22175	22185	22186		22164	22163	22167
20401	22175	22185	22186		22164	22163	
20403	22175	22185	22186		22164	22163	
20405	22175	22185	22186		22164	22163	
20406	22175	22185	22186		22164	22163	
20408	22175	22185	22186		22164	22163	
20411	22175	22185	22186		22164	22163	
20412	22175	22185	22186		22164	22163	
20413	22175	22185	22186		22164	22163	
20485	22175	22185	22186		22164	22163	
21047	22175	22185	22186	22187	22164	22163	
21048	22175	22185	22186	22187	22164	22163	
21049	22175	22185	22186	22187	22164	22163	
21600	22175	22185	22186		22164	22163	22167
21602	22175	22185	22186		22164	22163	22167
21604	22175	22185	22186		22164	22163	22167

Steel Oil Pumps

SMALL BLOCK CHEVY HEAVY DUTY RACING OIL PUMPS

• More material and are thicker in the neck area than standard SBC oil pumps. Casting is like "older style" pumps with more material in the neck area

- Benefits of a stronger casting with the features and price that the racer is looking for
- \bullet Same oil pumps that are used in our SBC welded together Oil Pump/Pickup combinations
- Made in the U.S.A.

PART # DESCRIPTION

22099 SBC Standard Volume, Oil Pump, 5/8" Inlet SBC High Volume, Oil Pump, 5/8" Inlet



No. 22099

BIG BLOCK CHEVY HEAVY DUTY RACING OIL PUMPS

- Same oil pumps that are used in our BBC welded together Oil Pump/Pickup combinations
- Have a long track record of providing solid performance at an appealing price point
- Made in the U.S.A.

PART # DESCRIPTION

22149 BBC Standard Volume, Oil Pump22159 BBC High Volume, Oil Pump



No. 22159

ANTI-CAVITATION RACING OIL PUMPS

Fits: SBC and BBC

- Moroso "Race" Oil Pumps are designed to accommodate consistent oil pressure and volume requirements for today's racing engine
- Moroso engineers' anti-cavitation grooves into the pump housing to prevent pump chatter, which will lead to broken pickups and inconsistent oil pressure
- Anti-cavitation slots are machined to bleed oil back to the inlet side of the pump, and an enlarged bypass area ensure a smooth flow rate throughout any RPM range

PART # DESCRIPTION

22101 SBC, Standard Volume
22111 SBC, High Volume
22150 BBC, Standard Volume
22160 BBC, High Volume



No. 22111

No. 22162

BIG BLOCK CHEVY/ANTI-CAVITATION BLUEPRINTED RACING OIL PUMP

Our Blueprinted Oil Pumps were developed in association with racing's most respected engine builders. Our CNC machined blueprinted oil pumps ensure the tightest tolerances and most consistent performance of any cast oil pump in its class that's produced. Check Out All The Features:

- Anti-cavitation slots and enlarged feeder grooves are ball milled smooth, providing steady oil flow to each side of the gears for high RPM lubrication, cavitation relief and reduced spark scatter
- · Distortion-free cast iron housing resists wear after extended use
- Parkerized[™] coating retains oil for extra lubrication during break-in and cold starts
- Socket head screw makes it easy to change pressure; includes additional springs
- Individually tested with oil to ensure proper functionality

PART # DESCRIPTION

22162 Blueprinted High Volume Racing Oil Pump, BBC

GM LS SERIES RACING OIL PUMP

Fits: Gen III and Gen IV, 4.8L, 5.3L, 6.0L, 6.2L

- Volume will increase by 18% over stock oil pumps
- Hard anodized coating for wear and performance
- Will fit with stock timing cover

PART # DESCRIPTION 22120* Oil Pump, LS-1

* Use with Moroso LS Wet Sump Oil Pans



No. 22120

BUYER'S GUIDE LISTING MOROSO OIL PANS THAT REQUIRE A MOROSO OIL PUMP PICKUP

Note: Oil page which do not require a Moroso Oil Pump Pickup are not listed on this chart, and would take a stock pickup

CHEVROL		INC. DART/ROCKE				
CHEVRULE	SBC, Standard Volume Pumps	INC. DARI/ROCKE				
Oil Pan Part #	Moroso #22101 MEL. #M55 MEL. #M55A MEL. #M10553 5/8" Dia. Inlet	SBC, High Volume Pumps Moroso #22111 MEL. #M55HV MEL. #M10550 5/8" Dia. Inlet	SBC, High Volume Pump MEL. #M155HV MEL. #M10551 3/4" Dia. Inlet	SBC, High Volume Flange Style Pump MEL. #M10552 MEL. #M10555 3/4" Dia. Inlet	BBC, Standard Volume Pumps Moroso #22150 MEL. #M77 MEL. #M10774 3/4" Dia. Inlet	BBC, High Volume Pumps Moroso #22160 MEL. #M77HV MEL. #M10774HV 3/4" Dia. Inlet
20110	24100	24330				
20160	24150	24340				
20165	24150	24340				
20170	24212	24213				
20171	24212	24213				
20172	24212	24213	1			
20180	24170	24350	24360		24320	24320
20181	24170	24350	24360		24320	24320
20182	24170	24350	24360		24320	24320
20185	24212	24213				
20186	24170	24350	24360		24320	24320
20190	24170	24350	24360		24320	24320
20191	24170	24350	24360		24320	24320
20193	24171	24351				
20195	24170	24350	24360		24320	24320
20196	24170	24350	24360		24320	24320
20200	24170	24350	24360		24320	24320
20201	24170	24350	24360		24320	24320
20205	24170	24350	24360		24320	24320
20206	24170	24350	24360		24320	24320
20210	24100	24330				
20211	24120	24122				
20212	24120	24122				
20230	24170	24350	24360		24320	24320
21017	24170	24350	24360		24320	24320
21019	24171	24351				
21234	24170	24350				
21237	24170	24350	24360		24320	24320
21245	24171	24351				
21308		24308				
21312	24103	24104	24318	24101		
21314	24314	24315				
21315	24314	24315				
21316	24316	24317				
21317	24316	24317				
21318	24103	24104	24318	24101		
21319	24103	24104	24318	24101		
21320	24316	24317				
21322	24316	24317				
21323	24316	24317				
21324	24316	24317				
21330	24103	24104	24318	24101	24325	24325
21804	24212	24213	1	1 2 .		
21808	24212	24213				
21811	24811	24814				
21812	24811	24814				
21813	24212	24213	1			
21814	24212	24213	 			
~101 1	147414	L7610	1		1	

24213

21815

24212

CHEVROLET LS SERIES, DART LS NEXT

Oil Pan Part#	Stock Oil Pumps	High Volume Race Pump Moroso #22120	Oil Pan Comes with Pick Up
20140	24050	24050	No
20141	24050	24050	No
20142	24050	24050	No
20143	24050	24050	No
20144	24144	24144	No
20145	24050	24050	No
20146	GM Part # 12572654	GM Part # 12572654	No
20147	24050	24050	No
20148	24050	24050	No
20149	24050	24050	No
20150	24050	24050	No
21150	24050	24050	Yes

CHEVROLET BIG BLOCK INC. DONOVAN, DRC2 & MERLIN

	STANDARD PICK	IID I OCATION	X IVILIILIIV	OFFSET PICK UP LOCATION		
	STANDARD FIOR	LOUATION	BBC, High	OTT SET TION OF	LUCATION	
	BBC, Standard		Vol. Blueprinted	BBC, Standard		BBC, High
	Volume Pumps	BBC, High	Race Pump	Volume Pumps	BBC, High	Volume Pumps
	Moroso #22150	Volume Pumps	Moroso #22162	Moroso #22150	Volume Pumps	Moroso #22162
	MEL. #M77	Moroso #22160	MEL. #M10770	MEL. #M77	Moroso #22160	MEL. #M10770
Oil Pan	MEL. #M10774	MEL. #M77HV	MEL. #M10778	MEL. #M10774	MEL. #M77HV	MEL. #M10778
Part #	3/4" Dia. Inlet	3/4" Dia. Inlet	3/4" Dia. Inlet	3/4" Dia. Inlet	3/4" Dia. Inlet	3/4" Dia. Inlet
20032	24446	24446	24446			
20376	24440	24441				
20380	24440	24440	24440	24441	24441	24441
20385	24440	24440	24440	24441	24441	24441
20401	24440	24440	24440	24441	24441	24441
20403	24440	24440	24440	24441	24441	24441
20405	24440	24440	24440	24441	24441	24441
20406	24440	24440	24440	24441	24441	24441
20408	24440	24440	24440	24441	24441	24441
20411	24440	24440	24440	24441	24441	24441
20412	24440	24440	24440	24441	24441	24441
20413	24440	24440	24440	24441	24441	24441
20431	24430	24430	24430			
20433	24430	24430	24430			
20449	24448	24448	24448			
20451	24430	24430	24430			
20460	24450	24450	24450			
20485	24440	24441				
21047	24440	24440	24440	24441	24441	24441
21048	24440	24440	24440	24441	24441	24441
21049	24440	24440	24440	24441	24441	24441
21600	24440	24440	24440	24441	24441	24441
21602	24440	24440	24440	24441	24441	24441
21604	24440	24440	24440	24441	24441	24441

OLDSMOBILE					
Moroso Oil Pan Part #	High Volume Pump <i>MEL. #M22FHV</i>	High Volume Pump <i>MEL. #M22MHV</i>	High Volume Pump <i>MONDELLO SP755</i>		
20480	24460				
21631		24463	24463		

PONTIAC		
Moroso Oil Pan Part #	High Pressure Pump <i>MEL. #54DS</i>	High Volume Pump <i>MEL. #</i> 10541
20490	24480	24480
20500	24482	24482

NIDVOLED

Chrysler 273-340, 360 & 360 Magnum

Moroso Oil Pan Part #	Stock Oil Pumps	Chrysler Pump #24684 <i>89</i>	
20710	24700	24700	
20730	24700	24700	

Chrysler 5.7 – 6.4 hemi

	Moroso Oil Pan Part #	Stock Oil Pumps
	21161	24161
•		

Chrysler 361-440 & 426 Hemi

Moroso Oil Pan Part #	Stock Style B/RB Pump %" -18 thread	Stock Style Hemi Pump ½" -14 thread
20760	24750	24800
20766	24766	

FORD

Ford 289-302

Moroso Oil Pan	Stock	Stock Oil Pumps	Melling Pump #M68, #M68HV	Melling Pump #M68, #M68HV, #M10688
Part #	Oil Pumps	w/ Main Support	#M10688	w/ Main Support
20502	24520		24520	
20503	24523			
20506	24517	24518	24517	24518
20511	24516	24516	24516	24516
20521	24516	24516	24516	24516
20527	24527	24528	24527	24528
20528	24516	24516	24516	24516
20533	24527	24528	24527	24528
20535	24523		24523	

Ford 351W - SVO

Moroso		
Oil Pan	Stock	
Part #	Oil Pumps	Melling Pump #M83, #M83HV #M10833
20501	24507	24507
20507	24507	24507
20508	24501	24501
20520	24532*	24532*
20522	24515	24515
20523	24532*	24532*
20529	24532*	24532*
20532	24532*	24532*
20534	24534	24534
20536	24507	24507
*Does not t	fit World Products	Man-O-War Engine Block

Ford 351C/351M & 400

Moroso Oil Pan Part #	Stock Oil Pumps	Melling Pump #M84AHV
20530	24530	24530
20558	24558	24558

Ford 352-428

1 01 U 332-	420	
Moroso		
Oil Pan	Stock	Melling Pump
Part #	Oil Pumps	#M57HV
20607	24608	24608
20608	24608	24608
20609	24609	24609

Ford 4.6L. 5.0L & 5.4L

Moroso	Oil Pan Uses	
Oil Pan	2V, 3V or 4V	Stock
Part #	Oil Pump & Pickup	Oil Pumps
20546	Yes	
20548	Yes	
20554	Yes	
20549	2V	24547
20549	4V	24548
20555	Yes	
20570	No	24570
20571	Yes	
20572	Yes	

Ford 429-460

Moroso Oil Pan	Ford Motorsports Pump #M-6600-A460
Part #	Melling #M84D/84DHV
20612	24504
20614	24511
20616	24505/24522
20620	24509
20625	24508

IMPORT					
Moroso	Stock		Stock	Oil Pan	Oil Pan
Oil Pan	Oil Pumps	Stock	Oil Pumps	Uses Stock	Comes with
Part #	1.8 VTEC Engines	Oil Pumps	Optional Pickup	Oil Pump & Pickup	Pickup
20901	24010	24011		No	No
20910				Yes	No
20911				Yes	No
20912	24012	24012		No	No
20915				Yes*	No
20917				Yes	No
20930				Yes	No
20935				Yes	No
20940				No	Yes
20942				Yes	No
20960				Yes	No
20965			24965	No	Yes
20967				Yes	No
20969				Yes	No
20970				Yes	No
20975				Yes	No

^{*}To be used with Acura RSX oil pump assembly. OEM part #151-PRN-A01, oil pump assembly might require slight notching to clear certain K-series main caps.

OIL PUMP PICKUP & Accessories

U-WELD-IT EXTENDED OIL PUMP PICKUPS

- U-Weld-It Kits can be tailored for either standard or high volume pumps
- Use in oil pans up to 10-3/4" deep
- Intended for Street/Strip use

PART # DESCRIPTION

24861 U-Weld-It Extended Oil Pump Pickup, Small Block and 90° Chevy V6.

Includes: one %" tube, one bracket, one box, two 1/4" -20 x 3/4" allen head screws, two hex head cap screws and two 1/4" lock washers

24862 U-Weld-It Extended Oil Pump Pickup, Big Block Chevy.

Includes one 3/4" tube, one bracket, one box



EXTERNAL OIL PUMP PICKUP KIT

- Complete kit includes everything needed to convert steel wet sump oil pan for use with external pump
- Includes screened pickup box, pickup tube and specially machined -12AN fitting
- Adapts to a variety of pans, welding required
- Recommended for wet sump pans with power kickouts

PART # DESCRIPTION

24840 External Oil Pump Pickup Kit, Steel Oil Pans



No. 24840

OIL PUMP PICKUP SUBARU EJ25 TURBO APPLICATIONS

Fits Moroso Part No. 20965 & OEM Oil Pans

- Designed to replace factory oil pump pickups, which have had cases of failure
- Compared to O.E.M.; Part No. 24965 has thicker tubing and flanges plus the pickup box and bracket are constructed out of thicker steel
- This sturdy bracket is a model of design efficiency by adding material just where it's needed
- Mates to oil pump exactly like factory pickup and includes an O-ring

PART # DESCRIPTION

24965 Oil Pump Pickup, Subaru EJ25 Turbo Applications, 2004-05 STI, 2006-Up WRX, STI, Forester, BAJA, Fits Moroso Part No. 20965 & OEM Configuration Oil Pans



OIL PUMP PICKUPS, SUBARU '02-'05 WRX & OTHER EJ20 TURBO APPLICATIONS

Fits SUBARU '02-'05 WRX O.E.M. Oil Pans

- · Heavy Duty Upgrade to the failure prone factory oil pump pickup
- Part # 24964 compared to O.E.M., has thicker tubing and a billet machined flange, the pickup box and bracket are constructed out of thicker steel
- The bracket itself besides being constructed out of thicker steel is also a model of design efficiency by adding support material where needed
- Direct Bolt-On replacement with O-ring included
- Zinc plated finish

PART # DESCRIPTION
24964 Oil Pump Pickup, Subaru '02-'05 WRX O.E.M. Oil Pans



No. 24964



OIL PUMP DRIVE SHAFTS

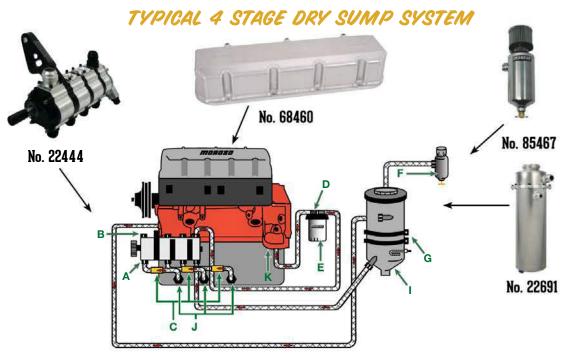
- · High-quality steel for extended reliability
- Steel sleeve is pinned to maintain correct alignment between oil pump and shaft
- · Made from mild steel with steel sleeve

PART #	OVERALL- Length	APPLICATION	PUMP DRIVE	USE ON PUMPS
22070*	5.985"	SBC, Chevy V-6 (Stock)	Blade	22101, 22111, 22124, 22134, 22171,
22080	6.691"	BBC, Stock Height	Blade	22150, 22160, 22144, 22175, 22185, 22163
22082	7.153"	BBC, .400" raised cam	Blade	22150, 22160, 22144, 22175, 22185, 22163
22090*	5.878"	SBC using BBC Pump	Blade	22150, 22160, 22144, 22175, 22185, 22163
22072	7.353"	BBC DART Block, .600" raised cam	Blade	22150, 22160, 22144, 22175, 22185, 22163
22074	9.136"	BBC, .400" raised cam	Hex	22167
22077	6.394"	SBC DART Block, .391" raised cam	Blade	22101, 22111, 22124, 22134, 22171

^{*400} cubic inch small block requires the oil pump drive shaft opening to be machined to 9/16"

DRY SUMP OILING SYSTEMS

Dry Sump Oiling Systems are the safest, most dependable oiling systems available. They're popular in all forms of racing, especially where low chassis height is important for good handling. Horsepower gain is maximized because there is virtually no oil in the pan and no internal pump, allowing the windage tray or screen to run the full length of the pan. Other advantages of a dry sump system include a remotely mounted oil tank for increased capacity, the ability to easily add remote oil coolers, more consistent oil pressure, adjustable oil pressure, improved scavenging and increased ring seal due to greater pan vacuum.



OATECORY	DART # AND DECORIDEION	OATECORY	DART # AND DECORIDION
CATEGORY	PART # AND DESCRIPTION	CATEGORY	PART # AND DESCRIPTION
A Dry Sump	No. 22343, Tri-Lobe, Door Car, 3 Stage	Oil Preheaters	No. 23980, In Tank w/ Aluminum Fitting
Oil Pumps	No. 22443, Tri-Lobe, Dragster, 3 Stage		No. 23990, In Tank w/ Steel Fitting
	No. 22253, Door Car, 3 Stage		No. 23995, External Heating Pad, 6"x12"
	No. 22523, Dragster, 3 Stage		No. 23996 , External Heating Pad, 5" x 7"
	No. 22344, Tri-Lobe, Door Car, 4 Stage		No. 23997, External Heating Pad, 2" x 15"
	No. 22444, Tri-Lobe, Dragster, 4 Stage	H Oil Tanks	No. 22681 , 13", 5 qt., (1) -16AN w/o Integral
	No. 22254 , Door Car, 4 Stage		Breather
	No. 22524 , Dragster, 4 Stage		No. 22682 , 13", 5 qt., (1) -16AN w/ Integral Breather
B Pump Fittings	No.22741, Replacement Fitting -10AN		No. 22682 , 13", 5 qt., (3) -12AN w/o Integral
	No.22742, Replacement Fitting -12AN		Breather
	No.22743, Replacement Fitting -16AN		No. 22684, 13", 5 qt., (3) -12AN w/ Integral Breather
	No.22744, Replacement Fitting -16AN		No. 22686, 15", 6 qt., (1) -16AN w/o Integral
	W/-12 AN		Breather
C In-Line	No. 23850 , -10AN fittings, 5/8		No. 22687, 15", 6 qt., (1) -16AN w/ Integral Breather
Screened Oil	No. 23860 , -12AN fitting, ¾"		No. 22688, 15", 6 qt., (3) -12AN w/o Breather
Filters	No. 23870, -8AN fitting, 1/2"		No. 22689, 15", 6 qt., (3) -12AN w/ Integral Breather
D Remote Filter	Nos. 23700/23710, Ford/Chrysler Style	I Filter Fittings	No. 23960, 3/4" NPT Male to -12AN Male
Mounts	Nos. 23750/23760, Chevy Style		No. 23961, -12AN Male to -12AN Male
	No. 23766, Large Diameter Style	J Filter Block-	No. 23690, Filter Adaptor, Chevy
E Racing Oil	No. 22459, Chevy, 4-9/32" high	Off/ Bypass	No. 23770, Bypass, SBC & BBC
Filters	No. 22460, Chevy, 5-1/4" high	Plates	No. 23782, Bypass, Merlin Block
	No. 22461, Chevy, 8" high		No. 23780, Block-Off SBC & BBC
	No. 22470, Ford/Chrysler, 5-1/4" high		No. 23840 , Block-Off BBC (Gen V)
	No. 22465, Large Dia. (Fram HP-6		No. 23820, Block-Off Ford/Chrysler
	replacement), 6-1/4" high		,
F Breather Tanks	No. 85465, -12AN Inlet		
	No. 85466, Dual -12AN Inlet Fittings		
	No. 85470, 3/8" NPT Inlet		
	No. 85475, -16AN Inlet		

Nos. 22677, 22678, 22679

(Straight, Offset or U-Weld-It Kits)

G Tank Mounts

OIL PUMPS

MOROSO TRI-LOBE LINE OF EXTERNAL PUMPS ARE THE LATEST IN OUR RICH HISTORY OF INNOVATIVE OIL PUMP DESIGNS!

EXTERNAL OIL PUMPS

Single Stage

THESE OIL PUMPS FEATURE:

- · Spur gear pressure section
- Lightweight and efficient
- Includes all necessary fittings, -12AN
- External oil pumps run cooler than internal pumps and features an external bypass for ease of adjustment
- Priming your engines oil systems is made simpler
- External pumps eliminate the spark scatter and camshaft loads that are associated with an internal pump



EXTERNAL PUMPS					
PART #	DESCRIPTION	STAGE	STYLE OF BRACKET & ORIENTATION	PRESSURE SECTION	
22341	Dry Sump Pump, T3 Series	SINGLE	FULL BODY, DRIVER'S/LEFT SIDE	1.200	
22321	Dry Sump Pump, T3 Series	SINGLE	FULL BODY, PASSENGER/RIGHT SIDE	1.200	
22441	Dry Sump Pump, T3 Series	SINGLE	DRAGSTER, LEFT SIDE	1.200	

PART # AVAILABLE OPTION

22703 Fitting -10AN to 16AN Adapter

EXTERNAL OIL PUMP. SINGLE STAGE. FUEL PUMP DRIVE

Driver's/Left Side Door Car Style Bracket

- Rear 3/8" hex fuel pump drive with 1:1 ratio that accepts the popular 1.450 ID,3 bolt, fuel pump swivel clamps
- Spur gear 1.200 pressure section
- · Light weight and efficient
- Includes all necessary fittings, -12AN
- External oil pumps run cooler than internal pumps and features an external bypass for ease of adjustment
- Priming your engines oil systems is made simpler
- External pumps eliminate the spark scatter and camshaft loads that come with an internal pump

PART # DESCRIPTION

22361 External Oil Pump, with Fuel Pump Drive, Left Side Bracket, 1.200 Pressure

PART # AVAILABLE OPTION

22703 Fitting -10AN to 16AN Adapter





No. 22361

EXTERNAL OIL PUMP. TWO STAGE, FUEL PUMP DRIVE

Driver's/Left Side Door Car Style Bracket

BEST

An expansion to our popular line of external oil pumps. This pump gives you the option of scavenging oil from the oil pan with one stage and using the second stage to scavenge oil from turbos or superchargers and/or pull vacuum.

 Rear 3/8" hex fuel pump drive with 1:1 ratio that accepts the popular 1.450 ID, 3 bolt, fuel pump swivel clamps

- Spur gear 1.200 pressure section
- · Light weight and efficient
- Includes all necessary fittings
- External oil pumps run cooler than internal pumps and features an external bypass for ease of adjustment
- · Priming your engine's oiling systems is made simpler
- External pumps can help eliminate the spark scatter and camshaft loads that come with an internal pump





No. 22362

PART # DESCRIPTION

22362 External Oil Pump, Two Stage, Fuel Pump Drive, Left Side Bracket, 1.200 Pressure/1.700 Scavenge

PART # AVAILABLE OPTION

22703 Fitting -10AN to 16AN Adapter



DRY SUMP PUMP. TRI-LOBE, FIVE STAGE, .900 PRESSURE SECTION

Door Car

- Tri-lobe aluminum scavenge sections featuring individual timing gears to ensure proper clearance at the highest of RPM's
- Spur gear pressure section based off Moroso's billet wet sump pump design
- Variable spring rates optimize your oil pressure for smooth, reliable oil pressure readings
- Saves weight and makes big crankcase vacuum
- Multiple #16 outlet options fitment requirements
- Pumps weights almost half of gerotor pumps, and takes up to 40% less power to drive
- Includes all necessary fittings





No. 22335

PART # **DESCRIPTION**

22335 Dry Sump Pump, Five Stage, Driver's Side/Door Car Bracket,

.900 Pressure/1.700 Scavenge

DRY SUMP PUMP, TRI-LOBE, 5 STAGE, .900 PRESSURE SECTION

Driver's/Left Side Dragster Style Bracket

- Tri-lobe aluminum scavenge sections featuring individual timing gears to ensure proper clearance at the highest of RPM's
- Spur gear pressure section based off Moroso's billet wet sump pump design
- Variable spring rates optimize your oil pressure for smooth, reliable oil pressure readings
- Saves weight and make big crankcase vacuum
- Multiple #16 outlet options for fitment requirements
- Pumps weights almost half of gerotor pumps, and takes up to 40% less power to drive
- Includes all necessary fittings







DESCRIPTION PART #

22435 Dry Sump Pump, Five Stage, Driver's Side/Dragster Bracket, .900 Pressure/1.700 Scavenge

MOROSO TRI-LOBE LINE OF DRY SUMP PUMPS ARE THE LATEST IN OUR RICH HISTORY OF INNOVATIVE OIL PUMP DESIGNS! DRY SUMP PUMPS, TRI-LOBE, DOOR CAR

Three, Four, Five and Six Stage

BEST

The best performing dry sump pump line that Moroso has ever produced!

Moroso's new aluminum dry sump pumps have been developed with our decades of oiling system expertise to give you a lighter, better performing oil pump that will save weight and make more crankcase vacuum!

THESE OIL PUMPS FEATURE:

- Tri-lobe aluminum scavenge sections featuring individual timing gears to ensure proper clearance at the highest RPM's
- Spur gear pressure section based off Moroso's highly successful billet wet sump pump design.
- Designed to be driven at 70-80% of engine speed.
- · Variable spring rates optimize your oil pressure for smooth, reliable oil pressure readings
- Multiple #16 outlet options for fitment requirements for your application
- Pump weighs almost half of gerotor pumps, and takes up to 40% less power to drive!
- Custom pressure section sizes for increased efficiency with different pump speeds
- Includes all necessary fittings



Three Stage-Driver's/Left Side No. 22343



Three Stage-Passenger/Right Side No. 22323



Four Stage-Passenger/Right Side No. 22324



Four Stage-Driver's/Left Side No. 22344



Five Stage-Driver's/Left Side No. 22345



Five Stage-Passenger/Right Side No. 22325



Six Stage-Driver's/Left Side No. 22346



Six Stage-Passenger/Right Side No. 22326

DOOR CA	DOOR CAR BRACKET STYLE PUMPS					
PART #	DESCRIPTION	STAGE	BRACKET ORIENTATION	PRESSURE SECTION	SCAVENGE SECTION	
22343	DRY SUMP PUMP, T3 SERIES	THREE	DRIVER'S/LEFT SIDE	1.200	1.700	
22323	DRY SUMP PUMP, T3 SERIES	THREE	PASSENGER/RIGHT SIDE	1.200	1.700	
22344	DRY SUMP PUMP, T3 SERIES	FOUR	DRIVER'S/LEFT SIDE	1.200	1.700	
22324	DRY SUMP PUMP, T3 SERIES	FOUR	PASSENGER/RIGHT SIDE	1.200	1.700	
22345	DRY SUMP PUMP, T3 SERIES	FIVE	DRIVER'S/LEFT SIDE	1.200	1.700	
22325	DRY SUMP PUMP, T3 SERIES	FIVE	PASSENGER/RIGHT SIDE	1.200	1.700	
22346	DRY SUMP PUMP, T3 SERIES	SIX	DRIVER'S/LEFT SIDE	1.200	1.700	
22326	DRY SUMP PUMP, T3 SERIES	SIX	PASSENGER/RIGHT SIDE	1.200	1.700	

DRY SUMP PUMPS. TRI-LOBE. FUEL PUMP DRIVE

Driver's/Left Side Door Car Style Bracket

- Rear 3/8" hex fuel pump drive with 1:1 ratio that accepts the popular 1.450 ID, 3 bolt, fuel pump swivel clamps
- Tri-lobe aluminum scavenge sections featuring individual timing gears to ensure proper clearance at the highest of RPM's
- Spur gear pressure section based off Moroso's billet wet sump pump design
- Variable spring rates optimize your oil pressure for smooth, reliable oil pressure readings
- · Saves weight and make big crankcase vacuum
- Multiple #16 outlet options for fitment requirements for your application
- Pumps weights almost half of gerotor pumps, and takes up to 40% less power to drive
- Includes all necessary fittings







DRIVER'S	DRIVER'S/LEFT SIDE DOOR CAR STYLE BRACKET					
PART #	DESCRIPTION	STAGE	BRACKET ORIENTATION	PRESSURE SECTION	SCAVENGE SECTION	
22363	DRY SUMP PUMP, FUEL PUMP DRIVE	THREE	DRIVER'S/LEFT SIDE	1.200	1.700	
22364	DRY SUMP PUMP, FUEL PUMP DRIVE	FOUR	DRIVER'S/LEFT SIDE	1.200	1.700	
22365	DRY SUMP PUMP, FUEL PUMP DRIVE	FIVE	DRIVER'S/LEFT SIDE	1.200	1.700	
22366	DRY SUMP PUMP, FUEL PUMP DRIVE	SIX	DRIVER'S/LEFT SIDE	1.200	1.700	

MOROSO TRI-LOBE LINE OF DRY SUMP PUMPS ARE TO IN OUR RICH HISTORY OF INNOVATIVE OIL PUMP DES

DRY SUMP PUMPS. TRI-LOBE. DRAGSTER

Three, Four, Five and Six Stage

The best performing dry sump pump line that Moroso has ever produced!

Moroso's new aluminum dry sump pumps have been developed with our decades of oiling system expertise to give you a lighter, better performing oil pump that will save weight and make more crankcase vacuum! THESE OIL PUMPS FEATURE:

- Tri-lobe aluminum scavenge sections featuring individual timing gears to ensure proper clearance at the highest RPM's
- Spur gear pressure section based off Moroso's highly successful billet wet sump pump design. Designed to be driven at 70-80% of engine speed.
- Variable spring rates optimize your oil pressure for smooth, reliable oil pressure readings
- Multiple #16 scavange outlet options for increased flow back to your dry sump tank and/or fitment requirement on your application
- Pump weighs almost half of gerotor pumps, and takes up to 40% less power to drive!
- Custom pressure section sizes for increased efficiency with different pump speeds
- Includes all necessary fittings
- For right handed applications rotate bracket, except Part No. 22441





Three Stage- Driver's/Left Side No. 22443



Four Stage- Driver's/Left Side No. 22444



Five Stage- Driver's/Left Side No. 22445



Six Stage- Driver's/Left Side No. 22446

DRAGSTE	DRAGSTER CAR BRACKET STYLE PUMPS					
PART #	DESCRIPTION	STAGE	BRACKET ORIENTATION	PRESSURE SECTION	SCAVENGE SECTION	
22443	DRY SUMP PUMP, T3 SERIES	THREE	DRIVER'S/LEFT SIDE	1.200	1.700	
22444	DRY SUMP PUMP, T3 SERIES	FOUR	DRIVER'S/LEFT SIDE	1.200	1.700	
22445	DRY SUMP PUMP, T3 SERIES	FIVE	DRIVER'S/LEFT SIDE	1.200	1.700	
22446	DRY SUMP PUMP, T3 SERIES	SIX	DRIVER'S/LEFT SIDE	1.200	1.700	



Single Stage No. 22251 / No. 22241



Three Stage No. 22253 / No. 22243



Dry Sump Tanks on pgs.184-185



Four Stage No. 22254 / No. 22244



Five Stage No. 22255 / No. 22245

DRY SUMP OIL PUMPS, DOOR CAR

Single, Three, Four, Five and Six Stage

Fits: Chevrolet-based Small Block & Big Block Door Car applications

- Steady oil pressure throughout RPM range
- Consistent oil pressure at high heat levels
- Increased vacuum
- Consistent oil pressure at high vacuum levels
- Oil pressure adjustability, allows for finer tuning of pressure levels
- Internal manifold with -16AN return, no need for separate manifold
- Built-in mounting bracket designed for engine compartment constraints
- Two pressure outlet locations for easier plumbing
- Includes all necessary fittings
- Vertical oil pressure adjuster makes it easier to change oil pressure settings

PART # DESCRIPTION

.875 Pressure / 1.100 Scavenge

22251 Single Stage
22253 Three Stage
22254 Four Stage
22255 Five Stage
PART # DESCRIPTION
1.100 Pressure / 1.100 Scavenge

22241 Single Stage22243 Three State22244 Four Stage22245 Five Stage

Optional Replacement
Fittings available for
-10AN through -16AN

PART # AVAILABLE OPTIONS
22741 Replacement Fitting -10AN
22742 Replacement Fitting -12AN
22743 Replacement Fitting -16AN
22744 Replacement Fitting -16AN

with a -12AN



Single Stage No. 22521 / No. 22421



Three Stage No. 22523 / No. 22423



Four Stage No. 22524 / No. 22424



Five Stage No. 22525 / No. 22425

DRY SUMP OIL PUMPS. DRAGSTER

Single, Three, Four, Five and Six Stage

Fits: Chevrolet-based Small Block & Big Block Dragster applications

- · Steady oil pressure throughout RPM range
- Consistent oil pressure at high heat levels
- Increased vacuum
- · Consistent oil pressure at high vacuum levels
- · Oil pressure adjustability, allows for finer tuning of pressure levels
- Internal manifold with -16AN return, no need for separate manifold
- Built-in bracket mounts pump higher and closer to the engine, for better engine compartment packaging in a Dragster
- Two pressure outlet locations for easier plumbing
- Includes all necessary fittings
- Vertical oil pressure adjuster makes it easier to change oil pressure settings

PART # DESCRIPTION

.875 Pressure / 1.100 Scavenge

22521 Single Stage22523 Three Stage

22524 Four Stage

22525 Five Stage PART # DESCRIPTION

1.100 Pressure / 1.100 Scavenge

22421 Single Stage
22423 Three State
22424 Four Stage
22425 Five Stage



SPRINT CAR FRONT MAGNETO DRIVE ASSEMBLY

Patent Pending

Moroso Performance Products has developed a Magneto re-location kit that has solved inherent problems related to standard rear mounted magnetos

Issues of unstable timing, magneto flex and movement, shaft failure, drive gear failure and the inability to perform in-car timing adjustments, have all been addressed.

Front Magneto Drive Assembly has been designed to work with:

- Standard Shaver Wesmar gear drive assemblies
- Moroso cam driven dry sump pumps, as well as other commonly used oil pumps
- Commonly used crank driven water pumps
- Designed to be used with MSD 12 LT Generator or MSD Part No. 7904 Generator Kit
- Now legal for most racing organizations



No. 60205

PART # DESCRIPTION

Timing Cover Magneto Kit, Sprint Car, SBC, Non-Raised CamTiming Cover Magneto Kit, Sprint Car, SBC, .390 Raised Cam

BENEFITS INCLUDE:

- Increased timing accuracy
- The ability to eliminate costly crank trigger systems
- Improved access to Magneto for timing adjustments
- Increased area at the rear of engine allows for induction system improvements

ASSEMBLY INCLUDES:

- Billet Timing Cover
- Magneto Drive Adapter
- Magneto Billet Relocation Mount
- Magneto Drive Stem
- Billet Distributor Hole Plug
- Mounting Hardware

SPRINT CAR BILLET ALUMINUM TIMING COVER, SBC NON-RAISED CAM & RAISED CAM

- Strong and Lightweight, machined from a solid bar of Aluminum
- Designed to work with all gear and chain cam drive systems, including Standard Shaver and Wesmar gear drive assemblies
- Timing Cover's bolt pattern is designed to accept Moroso cam driven dry sump pumps as well as others
- Is included in the Moroso Sprint Car Front Magneto Drive Assembly
- Cover accommodates commonly used Sprint Car crank driven water pumps
- Has a top timing port
- · Black anodized finish for good looks and protection

PART # DESCRIPTION

60200 Timing Cover, SBC, Sprint Car, Non-Raised Cam **60201** Timing Cover, SBC, Sprint Car, .390 Raised Cam



No. 60200

OIL PUMP BLOCK-OFF PLATE

Fits: Small Block, Big Block and 90° Chevy V6

- Easy, bolt-on anodized aluminum plate seals oil passage on rear main cap when dry sump systems are used
- Requires no drilling or tapping for installation

PART # DESCRIPTION

23790 Oil Pump Block-Off Plate. Chevy V8 & 90° V6



No. 23790

OIL BYPASS ELIMINATOR, CHEVY

- Designed to eliminate the oil bypass found on Chevrolet engines
- Does not allow unfiltered oil back into the engine
- A stock type spin-on oil filter can be used with this part installed
- Machined from billet aluminum for strength
- · Features a single inlet and easy two bolt installation

PART # DESCRIPTION

23775 Oil Bypass Eliminator, SBC, BBC (except Gen V and Gen VI)







No. 23775

EXTERNAL PUMP ADAPTER, REMOTE FILTER, CAST

Fits: SBC & BBC (Mark IV)

- Aluminum bypass replaces engine-mounted oil filter in wet sump oiling system and directs oil to remote oil filter or oil cooler
- Drilled and tapped for ½" NPT inlet and outlet fittings
- Includes all mounting hardware, gaskets and o-ring

PART # DESCRIPTION
23770 Oil Filter Bypass
PART # REPLACEMENT PARTS
97321 Square 0-Ring

97322 Gasket



No. 23770

EXTERNAL PUMP ADAPTER. REMOTE FILTER. BILLET

Fits: World Products Merlin Big Block or standard Small Block and Big Block (Mark IV) Chevy applications without bolt hole at center of the filter pad

- Machined billet anodized aluminum Bypass Plate is needed when using a remote oil filter or returning oil from dry sump oiling system
- Sealing washers are captured in the plate for tight seal against block surface, are installed under bolt heads for leak-free performance
- Drilled and tapped to accept male -10AN fittings
- · Includes all mounting hardware and o-rings

PART # DESCRIPTION

23782 Billet Oil Filter Bypass Plate
PART # AVAILABLE OPTIONS
22606 Fitting, -10AN to -12AN

PART # REPLACEMENT PARTS

97323 O-Ring, Oil Adapter, Repl. 1.75" I.D.
97324 O-Ring, Oil Adapter, Repl. 3.5" I.D.
97325 O-Ring, Oil Block-off, Repl. No. 23782



No. 23782

EXTERNAL PUMP ADAPTER. REMOTE FILTER

- Aluminum Block-Off Plates designed for Moroso Dry Sump Oiling System or External Oil Pump
- ullet Drilled and tapped to accept 1/2" NPT fitting to provide increased clearance for installing input pressure line
- Includes all mounting hardware and o-rings



23840 Oil Filter Block-Off Plate

Fits: Small Block and Big Block (exc. Gen V and Gen VI) Chevy

applications without bolt hole at center of pad

23820 Oil Filter Block-Off Plate

Fits: 1957-01 Ford 8, 6, 4 cyl; 1959-03 Dodge; Chrysler 8, 6, 4, cyl; 1970-86 Toyota 4 cyl; 1986-96 Toyota 6 cyl. Others: All engines with 2-½" I.D. x 2-½" O.D. Sealing Area and ¾" -16 UNF Block Thread.

-12AN fitting size

PART # REPLACEMENT PARTS

97321 Square 0-Ring (Except No. 23820)

PART # AVAILABLE OPTIONS 22706 Fitting, ½" NPT to -10AN 22708 Fitting, ½" NPT to -12AN



No. 23820





No. 23840

EXTERNAL PUMP. ACCUMULATOR. FILTER SANDWICH ADAPTER

Fits: Small Block and Big Block Chevy Mark IV including aftermarket engine blocks

- Mount in spin-on oil filter pocket, between the oil filter and the engine block to eliminate the need for a remote oil filter
- . Machined out of billet aluminum with a black anodized finish for durability and long-lasting looks
- Eliminates the need for an oil bypass eliminator, so unfiltered oil does not go back into the engine
- Includes full instructions, mounting bolts and o-rings

PART # DESCRIPTION

23690 Oil Filter Adapter, SBC & BBC Mark IV, for plumbing Accumulators and External or Dry Sump Oil Pumps. Lowers oil filter by 1-½", has ½" NPT inlet and outlet port



No. 23690

ACCUMULATOR ADAPTERS

- Provides a convenient way to plumb an Accumulator into the oiling system
- The adapter has one -10 AN oil input port that provides filtered oil to the Accumulator
- Mounts on the spin-on filter pad between the oil filter and engine block, lowering the spin-on filter by 1-1/4"

PART # DESCRIPTION

23675 Accumulator Adapter, %-16 thread and 2-5%" 0-ring - Fits: Ford, Chrysler and 4 and 6 cylinder applications

23676 Accumulator Adapter, ¹%₆ thread and 2-%" O-ring - Fits: Chevy, LS1 through 2006 Small Block Accumulator Adapter, 18MM -1.5 thread and 2-%" O-ring - Fits: Chevy, LT1 and G.M. 4 and 6

cylinder applications

23678 Accumulator Adapter, 20MM-1.5 thread and 2-%" 0-ring - Fits: Honda and other 4 and 6 cylinder applications

23679 Accumulator Adapter, 22MM-1.5 thread and 2-1/8" O-ring - Fits: New Ford, GM LS



No. 23675

OIL COOLER/FILTER SANDWICH ADAPTERS

Fits: Small Block, Big Block Chevy Mark IV, Mark V & Gen VI inc. most aftermarket blocks of each

- Mounts in spin-on oil filter pocket, between the oil filter and the engine block to eliminate the need for a remote filter
- Machined out of billet aluminum with a black anodized finish for durability and longlasting looks
- Eliminates the need for an oil-bypass eliminator, so unfiltered oil does not go back into the engine
- Includes mounting hardware and 0-rings



Oil Filter Adapter, SBC & BBC Mark IV and Aftermarket Engine Blocks with a deep oil filter pocket, for plumbing a remote oil cooler for wet sump oiling systems. Lowers oil filter by 2-1/2", has -10AN inlet and outlet ports

Oil Filter Adapter, SBC & BBC Mark IV, for plumbing a Remote Oil Cooler for wet sump oiling systems. Lowers oil filter by 1-½", has ½" NPT inlet and outlet ports

23702 Oil Filter Adapter, BBC Mark V, Gen VI and Aftermarket Engine Blocks with a deep oil filter pocket, for plumbing a remote oil cooler for wet sump oiling systems. Lowers oil filter by 1-7/8", has –10AN female ports, Marked with "IN" and "Out"



No. 23691



No. 23702

OIL COOLER/FILTER SANDWICH ADAPTER

Fits: Small Block, Big Block Chevy Mark IV, Mark V & Gen VI including most aftermarket blocks of each

- Mounts in spin-on oil filter pocket, between the oil filter and the engine block to eliminate the need for a remote filter
- Machined out of billet aluminum with a black anodized finish for durability and long-lasting looks
- Eliminates the need for an oil-bypass eliminator, so unfiltered oil does not go back into the engine
- Includes mounting hardware and 0-rings

PART # DESCRIPTION

23693 Universal Oil Cooler/Filter Adapter, ¾"-16 thread and 2-¾" 0-ring Fits: Ford, Chrysler and 4 and 6 cylinder applications

23694 Universal Oil Cooler/Filter Adapter, ¹³/₁₆"-16 thread and 2-⁵/₈" 0-ring Fits: Chevy, LS1 through 2006 Small Block

23695 Universal Oil Cooler/Filter Adapter, 18mm-1.5 thread and 2-%" O-ring Fits: Chevy, LT1 and G.M. 4 and 6 cylinder applications

23698 Universal Oil Cooler/Filter Adapter, 20mm-1.5 thread and 2-5%" O-ring Fits: Honda and other 4 and 6 cylinder applications

23699 Universal Oil Cooler/Filter Adapter, 22mm-1.5 thread and 2-5%" O-ring

Fits: New Ford, GM LS



No. 23693

PART # REPLACEMENT PART 22605 Fitting, -10AN to -10AN **22606** Fitting, -10AN to -12AN

REMOTE OIL FILTER, ROTATING 90 DEGREE ADAPTER

- Manufactured from Billet Aluminum with a black anodized finish
- Marked –10AN inlet/outlet to plumb a remote oil filter–easier to plumb oil cooler/accumulator
- Mounts on the engine block's spin-on oil filter pad

PART # DESCRIPTION

23682 Universal Remote Oil Filter Adapter, ¾"-16 thread and 2-%" 0-ring Fits: Ford, Chrysler and most 4 and 6 cylinder applications

Universal Remote Oil Filter Adapter, ¹³/₁₆"-16 thread and 2-⁵/₉" 0-ring Fits: American Motors V-8, GM LS through 2006, Oldsmobile V-8 and Pontiac V-8

23684 Universal Remote Oil Filter Adapter, 18mm-1.5 thread and 2-%" 0-ring Fits: GM LTI and GM 4 and 6 cylinder applications

23685 Universal Remote Oil Filter Adapter, 20mm-1.5 thread and 2-%" 0-ring Fits: Honda and other 4 and 6 cylinder applications

23686 Universal Remote Oil Filter Adapter, 22mm-1.5 thread and 2-5/" 0-ring Fits: New Ford Applications, GM LS 2006 Corvette "E" Code 2007 & up



No. 23682

 PART #
 RECOMMENDED OPTIONS

 22605
 Fitting, -10AN to -10AN

 22606
 Fitting, -10AN to -12AN

OILING FILTER ADAPTER

REMOTE OIL FILTER ADAPTER

Ford 4.6/5.4 modular

- Anodized adapter replaces larger factory casting
- Provides for easy plumbing of remote oil filters and coolers
- Enables the plumbing of external, wet or dry sump oil pumps when lower port is plugged
- -16AN fitting supplied for water outlet to radiator
- Includes 2 -10AN to -12AN Fittings for oil line plumbing and 1-10AN Plug

PART # DESCRIPTION

23681 Remote Oil Filter Adapter, Ford 4.6/5.4 modular



No. 23681

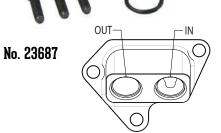
REMOTE OIL FILTER ADAPTER

Ford 5.0 modular

- Replaces factory spin-on oil filter mount on engine
- · Ideal when chassis restrictions don't allow the use of block mounted filter or when a larger external filter is desired
- · Billet aluminum construction with an anodized finish
- Includes mounting hardware and engine block sealing 0-rings

DESCRIPTION

Remote Oil Filter Adapter, Ford 5.0 modular 23687



REMOTE OIL FILTER ADAPTER

GM LS SERIES

- Replaces Moroso Spin-On oil filter adapter on Moroso Part Nos. 20142, 20143 & 21151 oil pans, comes standard on Moroso Part Nos. 20146, 20147, 20148 & 20149 oil pan
- Ideal when chassis restrictions don't allow the use of block mounted filter or when a larger external filter is desired
- Billet aluminum construction
- -10 AN "IN" and "OUT" ports
- Includes mounting hardware and engine block sealing 0-rings

DESCRIPTION PART #

23688 Remote Oil Filter Adapter, GM LS Series



REMOTE OIL FILTER MOUNTS 1/2" NPT

- Excellent choice for dry sump oiling systems or wherever installation limitations require a remote mounted filter
- Cast aluminum design tapped for 1/2" NPT inlet and outlet pipe adapters, uses spin-on type oil filters
- Center port available for pressure or temp gauge

No. 23750



PART# DESCRIPTION	N
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23700 Remote Oil Filter Mount, Accepts Ford or Chrysler V8 type spin-on filters. Flow direction: inlet right side, outlet left side Remote Oil Filter Mount, Accepts Ford or Chrysler V8 type spin-on filters, Flow direction; inlet left side, outlet right side 23710 23750 Remote Oil Filter Mount, Accepts Chevy V8 type spin-on oil filters. Flow direction: inlet right side, outlet left side

Remote Oil Filter Mount, Accepts Chevy V8 type spin-on filter. Flow direction: inlet left side, outlet right side 23760

PART # **AVAILABLE OPTIONS**

22706 Fitting, 1/2" NPT to -10AN

22708 Fitting, 1/2" NPT to -12AN

OIL FILTER MOUNTS & ADAPTERS

REMOTE OIL FILTER MOUNTS

Revised Design!

- Now accepts both Chevy style spin-on filters (13/16" -3-1/4" O-ring) and others with 3/4" -16 thread & 2-5/8" O-ring, such as early Ford & imports
- Includes two screw-in center nipples for either type of filter
- Manufactured from billet aluminum for strength, doesn't crack and isn't porous like cast aluminum pieces
- Black anodized finish to protect against corrosion
- Designed with two -12AN inlets and three outlets, one -12AN and two ¼" NPT
- Includes one -12AN port plug and two 1/4" NPT plugs
- Easy plumbing of oil pressure lines to turbos, superchargers, and valve spring oilers

PART #	DESCRIPTION
23763	Billet Aluminum Remote Oil Filter Mount, Side Port Style
23764	Billet Aluminum Remote Oil Filter Mount, Front Port Style
PART #	AVAILABLE OPTIONS
22709	Fitting, -12AN male to -10AN male
97641	Fitting, -12AN male to -12AN male
227/10	Port Plug -12AN with O-ring Seal



No. 23764



No. 23763

REMOTE, LARGE DIAMETER OIL FILTER MOUNT

- Machined from 6061-T6 billet aluminum for exceptional strength and weight reduction (1.3 lbs w/out fittings)
- Compact, low profile design (¾" body height) facilitates installation in crowded areas; includes two ¾"-16 threaded holes on backside for mounting
- · Anodized finish resists corrosion and maintains brilliance over time
- Includes two screw-in adapters to accept a wide range of large-diameter filters including Moroso No. 22465, Fram HP-6, Motorcraft FL 784, STP 43R, (Purolator PER 288/L30288), (AC PF1054) and (WIX 51742)
- -12AN inlet and outlet threaded ports are positioned vertically to improve laminar flow
- Accepts -12AN threaded fittings with o-rings; fittings can also be welded in place
- Includes 1/8"NPT port for gauge

PART # DESCRIPTION

23766 Remote, Large-Diameter Oil Filter Mount, Billet Aluminum

PART # REPLACEMENT PART

97641 Fitting, -12AN male to -12AN male

PART # DESCRIPTION

22706 Fitting, ½"NPT to -10AN Fitting, ½"NPT to -12AN







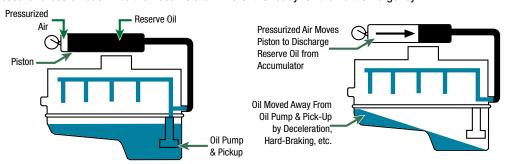
No. 23766

OIL ACCUMULATORS

HOW THE ACCUMULATOR WORKS:

The Accumulator is tapped to the pressure side of the engine's oiling system. When the engine is running, oil pressure forces reserve oil into the accumulator and compresses the air ahead of it.

If oil pressure should suddenly drop because of hard acceleration, severe cornering or hard braking, the air pressure immediately sends oil to the main galleries. When the danger is over and the pump is once again primed with oil, the oil pressure forces oil back into the Accumulator where it is ready for the next emergency.





WHAT ARE MOROSO ACCUMULATORS AND HOW ARE THEY USED ON A RACE CAR OR HIGH PERFORMANCE VEHICLE ENGINE?

- Oil accumulators are oil storage tanks, connected into the engine's oiling system that have pressurized air on one side, and engine oil on the other side of a movable piston.
- When engine pressure fluctuates due to oil surging away from the pickup during hard acceleration, severe cornering or hard braking, a Moroso Accumulator equipped engine provides an instantaneous supply of oil to the engine.
- When the fluctuation is over and the oil pump is once again primed with oil, the engine's oil pressure forces this reserve
 of oil back into the Accumulator. When the engine returns to normal pressure, the Accumulator refills automatically, ready
 for the next possible occurrence.

HOW ARE MOROSO ACCUMULATORS CONSTRUCTED?

- The main body of a **Moroso Accumulator** is constructed out of heavy-wall, high pressure hydraulic cylinder aluminum tubing that has an interior bore which has been micro-rolled and polished with a hardcoat finish.
- Inside the Accumulator is a movable, billet aluminum double o-ringed piston, which keeps the air from mixing with the
 oil.
- The difference between the **Moroso Accumulator** and the **Moroso Heavy Duty Accumulator** is the design and construction of the billet aluminum o-ringed end caps. The Accumulators have end caps that hold in the Accumulator body with high tension snap rings. The end caps on the Heavy Duty Accumulator are actually designed like threaded cups, the body threads into these end caps, encompassing the ends of the Accumulator
- On all **Moroso Accumulators**, the end cap on the air side has an air gauge and Schrader valve and on the oil side, a ½" NPT fitting end cap for plumbing in the oiling system.

WHAT ARE DIFFERENT VALVING OPTIONS FOR MOROSO ACCUMULATORS?

- For an Accumulator to function at their fullest, it needs to have a valve assembly and each Moroso Accumulator comes
 a manual ball valve. The valve has to be manually opened by hand before starting the car to pre-oil the engine, offering
 surge protection while the vehicle is in use and will close when the engine is turned off.
- Moroso offers two styles of optional electric valves: Solenoid Valve (electric), allows remote control of the Accumulator.
 Solenoid Pressure Valve Kits are the best performing for competition vehicles and are offered in different oil pressure ranges of 15-24 PSI, 35-40 PSI discharge and refill. They have all the benefits of the Solenoid Valve but with quicker reaction times because the Solenoid Pressure Valve allows only the needed volume of oil to be released for faster filling and discharging. An internal sensor electronically activates when engine oil pressure drops below normal

CAN I CAUSE ENGINE WEAR JUST BY STARTING MY ENGINE?

- Independent tests have shown that on street cars, over 85% of engine wear is caused by starting an engine, and that these "dry starts" cause premature engine wear
- Moroso Accumulators can prevent cold start scuffing by pre-oiling the engine before start up, thus producing a
 dramatic increase in cylinder wall, piston ring and bearing longevity.

WHICH ACCUMULATOR IS BEST FOR MY APPLICATION?

- 3-Quart capacity Moroso Accumulators are for V-8 and larger, high performance 6 cylinder applications
- 1.5-Quart capacity Accumulators are for 4 & 6 cylinders, applications where a 3-quart capacity with not fit and when the Accumulator's main function is to pre-oil the engine before start up

HOW CAN I PLUMB AN ACCUMULATOR INTO THE ENGINE'S OILING SYSTEM?

Moroso Accumulators require only one line which can be:

- "T-ed" into the return line of an oil cooler and/or remote oil filter
- Run through an Accumulator Adapter (page 124 that mounts between the engine's spin-on oil filter and the engine,

OR

Run directly into a oil galley in the engine block that is on the pressure side of the engine's oiling system

CAN I FREE UP HORSEPOWER WITH AN ACCUMULATOR?

• Drag Racers have successfully used Moroso Accumulators to free up horsepower by running less oil in the oil pan

ACCUMULATOR

Protects Against Oil Pressure Loss!

Automatic Operation!

- Three quarts of oil under pressure provides emergency supply instantaneously when needed
- Air Pressure gauge verifies that Accumulator is ready for use
- · Cold start valve releases oil into cold engine for reduced wear
- Tapped for ½" NPT fitting
- Can be mounted in any position using Moroso Accumulator Mounts (see below)
- Includes a manual ball valve

PART	#	DESCRIPT	ΓION
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23900 Accumulator, 3 quart capacity, 20-1/8" x 4-1/4" cylinder 23901 Accumulator, 1.5 quart capacity, 10" x 4-1/4" cylinder



No. 23900

PART #	AVAILABLE OPTIONS
22708	Fitting, 1/2" NPT to -12AN
22706	Fitting, 1/2" NPT to -10AN
23920	Accumulator Mount
PART #	REPLACEMENT PART
97530	0-rings, 4 per package

HEAVY DUTY ACCUMULATORS

- For extreme applications—specially designed caps withstand high pressure
- Smaller size allows installation in vehicles with limited space
- 3 or 1.5 quarts of oil under pressure provide emergency supply instantaneously when needed
- Air Pressure gauge verifies that Accumulator is ready for use
- Cold start valve releases oil into cold engine for reduced wear
- Tapped for 1/2" NPT fitting
- Can be mounted in any position using Moroso Accumulator Mount No. 23921
- Includes a manual ball valve

PART # DESCRIPTION

23902 Heavy Duty Accumulator, 3 quart capacity, 23" x 4-¾" cylinder 23903 Heavy Duty Accumulator, 1.5 quart capacity, 12" X 4-¼" cylinder

PART # AVAILABLE OPTIONS

23921 Accumulator Mount for Heavy Duty Style



No. 23902



No. 23903

ACCUMULATOR MOUNTS

- Brackets provide safe, sure mount for Moroso Accumulators
- Designed to be easily fastened to any flat surface
- . Includes T-Bolt type clamps accepted by NHRA
- Two per package

PART # DESCRIPTION

23920 Accumulator Mount for Nos. 23900, 23901 and 23930
 23921 Accumulator Mount for Heavy Duty Style No. 23902 and 23903



No. 23920

OIL CHECK VALVE. ONE WAY

- 1/2" NPT to 1/2" NPT One Way
- For use with oil accumulators and oil coolers
- · For prevention of oil drain-back

PART # DESCRIPTION 23875 Check Valve, One Way



No. 23875



SOLENOID PRESSURE VALVE KIT

Best for Competition—kit includes Moroso Part No. 23905 Solenoid Valve plus a Pressure Valve

- Better than a regular manual electric valve—our Solenoid Pressure Valve allows only the needed volume of oil to be released for quicker filling and discharging
- Screw-in sensor electronically activates when engine oil pressure drops below normal. When engine returns to normal pressure, the accumulator refills automatically, ready for the next possible occurance
- Best to use in remote mount situations, where accessing a manual valve is not an option
- Easy three-wire hookup
- Comes in two pressure ranges: choose the one that best suits your engine combination



No. 23907



PART # DESCRIPTION

23907 Electronic Pressure Control Accumulator Solenoid Valve, 12 volt, 15-24 PSI discharge and refill
 23908 Electronic Pressure Control Accumulator Solenoid Valve, 12 volt, 35-40 PSI discharge and refill

SOLENOID VALVE

- Allows remote control of fluid flow from the driver's seat
- Each side of the solenoid valve contains a 1/2" NPT female port
- \bullet ½" NPT male nipple also included if required for elbows or for other plumbing needs
- Solenoid Valve is open when toggle switch is on, when switched off remains closed regardless of ignition switch position
- Use the toggle switch and 16 gauge wire included in the kit to wire the valve (use one of Moroso's many Switch Panels for a professional installation)
- A 20-amp fuse must be used between the power source and the switch
- Use a power source that is active (i.e., "hot") only when the ignition switch is in the "on" position

PART # DESCRIPTION

23905 Solenoid Valve, 12 volt, with 1/2" NPT female ports







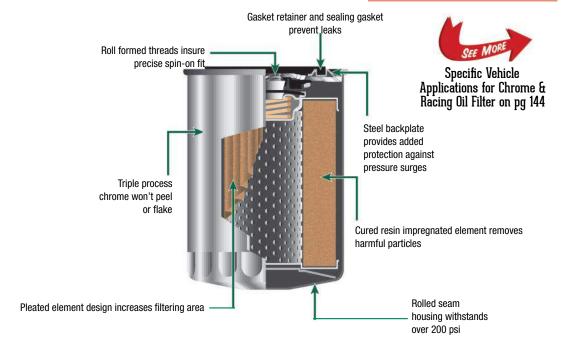
CHROME OIL FILTERS

When good looks are important, Moroso's Chrome Oil Filters are the way to go! Outside is a triple process chrome plated steel housing that's hand polished and rack nickled before chroming to insure the highest luster possible. Inside is a heat cured, resin impregnated filter element that has been engineered to exceed OEM specifications for filtration efficiency.

ENGINEERED FOR HIGH FILTRATION EFFICIENCY!







PART # DESCRIPTION

22300 Chrome Oil Filter, Chevy type, Short Design (4-\%2" high), 1\%16" -16UNF thread

22305 Chrome Oil Filter, GM LS Series, 1997-2006, ¹³/₁₆" -16UNF thread

22320 Chrome Oil Filter, Chevy type, Long Design (5-1/4" high), 13/16" -16UNF thread
22400 Chrome Oil Filter, Ford/Chrysler type, Long Design (5-1/4" high), 3/4" -16UNF thread

CHROME OIL FILTER CROSS REFERENCE

MOROSO	FRAM	PUROLATOR	MOTORCRAFT	WIX	AC	GM	LEE	HASTINGS	CHRYSLER	FORD	STP
22300	PH30	L20049	FL10	51069	PF25	6438261	LF25,	LF225			S-025
							LF25HP				
22305	PH3506	L14006	FL330	51042	PF46	25010251	LF44	LF232	L321		S-3506
						6439857					
22320	PH13	L30040	FL12	51061	PF35	6438384	LF29,	LF24, LF224			S-029
	HP4					6437946	LF29HP				
						6435679					
22400	PH8A	L30001	FL1A	51515	PF2		LF1,	LF15, LF115	185658	C1AZ-6731A	S-01A
	HP1						LF1HP			D9AZ-6731A	

RACING OIL FILTERS

After many years of designing and testing racing oil systems and related components, we've determined what's most important to oil filtration. Many filter manufacturers stress the importance of filtering the smallest particles out of your engine's oil, with references to "micron ratings" of 10 or less for a filter's efficiency.

With the help of research performed by filtration technology experts, Moroso engineers have determined that particles smaller than 20 microns in diameter are not large enough to produce engine wear. Furthermore, we've found that filters with extremely low micron ratings create an excessive pressure drop across the filter. They can be so restrictive that the filter by-pass valve can open. With the by-pass valve open, unknown to you—NO FILTRATION will occur!

To maximize filter performance, Moroso Racing Oil Filters have a rating of 27 microns, which produces a maximum initial restriction of only 2.5 psi when tested to SAE J806! The result is less pressure drop, more flow, less oil by-pass and maximum filtration performance important in severe racing conditions.

ENGINEERED FOR HIGH FILTRATION EFFICIENCY!





Extra thick housing with tuck seam Buna-N gasket compatible withstands higher burst pressure with all racing fuels and lubricants Anti-drainback Roll formed valve keeps threads for oil in filter after precise, engine tight fit shut-down (exc. No. 22465) Pleated element Filter element design provides increases maximum flow filtering area with minimal pressure drop Extra thick backplate provides added Non-porous, metal end caps protection against pressure surges prevent unfiltered oil to by-pass

DESCRIPTION PART# 22459 Racing Oil Filter. Chevy and others. 13/16" -16 UNF thread, short design (4-\%2" high), burst strength: 350 psi (max.) 22460 Racing Oil Filter, Chevy and others, 13/16" -16 UNF thread, long design (5-1/4" high), burst strength: 350 psi (max.) 22461 Racing Oil Filter, Chevy and others where space allows, 2 quart capacity, 13/16" -16 UNF thread, extra long design (8" high), burst strength: 350 psi (max.) 22462 Racing Oil Filter, GM LS Series, 1997-2006 with 13/16" -16 UNF thread, short design (3-1/2" high), burst strength: 300 psi (max.), 140 sq. in. of filter area 22463 Racing Oil Filter, Ford 4.6/5.4, GM LS Series 2007 & up, 22 mm-1.5 thread, short design (3-1/2" high), burst strength: 280 psi (max.) 170 sq. in. of filter area 22465 Racing Oil Filter, High Capacity (HP-6 Replacement) 1-1/2" -12 UNF threads, 6-1/4" tall, burst strength: 675 psi (max.) 22470 Racing Oil Filter, Ford and Chrysler, 3/4" -16 UNF thread, long design (5-1/4" high), burst strength: 500 psi (max.)

RACING OIL FILTER CROSS REFERENCE

MOI	,, , , , , , , , , , , , , , , , , , ,	16 1 161	en one		1761 6	-17614					
MOROSO	FRAM	PUROLATOR	MOTORCRAFT	WIX	AC	GM	LEE	HASTINGS	CHRYSLER	FORD	STP
22459	PH30	L20049	FL10	51069	PF25	6438261	LF25,	LF225			S-025
	TG30						LF25HP				
22460	PH13	L30040	FL12	51061	PF35	6438384	LF29,	LF24, LF224			S-029
	TG13					6437946	LF29HP				
	HP4					6435679					
22461	PH373	L40084	FL308	51794	PF932	6439034	LF832HP	LF226			
22462	PH3506	L14006	FL330	51042	PF46	25010251	LF44	LF232	L321		S3506
						6439857					
22463	PH2	L1222	FL820S	57060	PF48	19160693	LF820	LF110	4884899AB	FL820	S2
	PH10060	L24651		51372	PF1250	89017524		LF636	4892339A	F1AZ6731A	S10060
22465	HP6	PER228	FL784	51742	PF1054						STP-
		L30288									43R
22470	PH8A	L30001	FL1A	51515	PF2		LF1, LF1HP	LF15, LF115	185658	C1AZ-6731A	S-01A
	TG8A									D9AZ-6731A	

OIL FILTER APPLICATION CHART

MAKE YEAR	MODEL	CHROME FILTER	RACING FILTER	MAKE YEAR	MODEL	CHROME FILTER	RACING FILTER
		FILIER	FILIEK		mund	FILIEK	FILIER
AMC	1 4 1 4 2 1 (25 2 4 4 2 2 4 2 4 2 4 2 4 2 4 2 4 2 4 2	00000	00400	FORD conti		22400	22470
1990-1971	All 4.2L/258/V-8	22305	22462	1983-1978	All 4 cyl. engs. (exc. Fiesta, Escort, Exp)	22400	22470
BUICK	E 01 20E oid	22200	22450	1977-1974	All 4 cyl. engs.	22400	22470
1980 1979-1978	5.0L 305 cid 305, 350(L)	22300 22300	22459 22459	1973-1971	2.0L engs.	22400	22470
1977	305, 350 Century, Regal	22300	22459	FORD TRUC	K		
1975	All 6 cyl. engs. (exc. V6)	22300	22459	2014-1997	Excursion, Expedition 4.6, 5.0, 5.4,		22463
1974-1969	All 6 cyl. engs.	22300	22459		6.8L engs.		
1968	All 6 cyl. engs.	22320*	22460*	2010-1996	Explorer 4.6, 5.0L engs.	22306	22463
CADILLAC	1			2014-1994	150, 250, 350, 450 4.6, 5.0, 5.4, 6.8L engs.	22306	22463
2014-2007	CTS/CTSV/STS 6.0, 6.2L engs.	00005	22463	1998-1983	All V8 engs. (exc. Diesel)	22400	22470
2006-2009 2014-2007	CTS/CTSV/STS 5.7, 6.0L engs. Escalade 6.2L engs.	22305	22462 22463	.000 .000	5.8 (R), 1996-94 5.8 (H))	22400	22470
2006-2003	Escalade 5.3, 6.0L engs.	22305	22462	1982-1960	All V8 engs. with spin-on filter	22400	22470
2005-2009	XLR 4.6L	22305	22462	1998-1983	All 6 cyl. engs.		
CHEVROLET				1000 1000	(exc. Diesel, 3.0(U) w/Fuel Inj.)	22400	22470
2015-2010	Camaro 6.2, COPO		22463	1982-1960 1996-1983	All 6 cyl. engs. with spin-on filter All 4 cyl. engs. (exc. Diesel)	22400 22400	22470 22470
2002-1998	Camaro 5.7	22305	22462		Chevrolet Truck	22400	22410
1997-1994	Camaro LT1, 5.7(P)	22300	22459		CHEVIOLET HUCK		
2015-2007	Corvette, Corvette Z06 6.0, 6.2, 7.0L engs.	22205	22463	HUMMER	Lucas	T	1
2006-1997 1993-1992	Corvette, Corvette Z06 5.7, 6.0L engs. All V8 engs. (exc. Corvette)	22305 22300	22462 22459	2006-2003	H2 6.0 L	22305	22462
1993-1992	All V8 engs. (exc. 5.7(J))	22300	22459	JEEP			
1990-1989	All V8 engs. (exc. 5.0(Y), 5.7(J),(7)),	22300	22459	2015-2008	Commander, Gr. Cherokee 4.7, 5.7,	22305	22462
	5.7(7) Police w/o oil cooler only	22320*	22460*	1005 :	6.1L engs.		
1988-1986	All V8 engs. (exc. 5.0(Y), 5.7(6) Police)	22300	22459	1986-1982	CJ, All 4.2L/258		
	5.7(6) Police w/o oil cooler only	22320*	22460*	LINCOLN			
1985-1982	All V8 engs. (exc. Diesel, 5.7(6),(L) Police)	22300	22459	1990-1957	All 8 cyl. engs. with spin-on filter	22400	22470
	5.7(6),(L) Police w/o oil cooler only	22320*	22460*	MERCURY			
1981-1969	All V8 engs. (exc. Diesel)	22300	22459	1993-1992	5.0(T) w/Fuel Inj.	22400	22470
1968	All V8 engs. All Chevy II, Nova	22320*	22460* 22460*	1991	All V8 engs. (exc. 5.8(G) 2 bbl. Police)	22400	22470
1967-1964 1979-1969	All 6 cyl. engs. (exc. V6)	22320* 22300	22460*	1990-1988	5.0(F) w/Fuel Inj.	22400	22470
1968-1963	All 6 cyl. engs. (exc. Corvair)	22320*	22460*	1987-1986 1985-1984	All V8 engs. w/o oil cooler All V8 engs. w/o oil cooler	22400 22400	22470 22470
1978-1971	All Vega, Monza	22300	22459	1905-1904	(exc. 5.0L H.O., 5.8(G))	22400	22410
1968-1962	All Chevy II	22300	22459	1983-1980	All V8 engs. w/o oil cooler	22400	22470
CHEVROLET	TRUCK / GMC TRUCK			1979-1957	All V8 engs. with spin-on filter	22400	22470
2015-2007	1500/2500/3500 4.8, 5.3, 6.2, 6.0L engs.		22463	1987-1986	All 6 cyl. engs. (exc. Sable)	22400	22470
2006-2003	1500/2500/3500 4.8, 5.3, 6.0L engs.	22305	22462	1985-1980	All 6 cyl. engs.	22400	22470
1990-1988	All V8 engs. (exc. K Series)	22320*	22460*	1979	All 6 cyl. engs. (exc. Bobcat)	22400 22400	22470
1987-1977	All V8 engs. (exc. El Camino, Caballero)	22320*	22460*	1978-1977 1976	All 6 cyl. engs. (exc. V6) Comet, Monarch w/6 cyl. engs.	22400	22470 22470
1070	El Camino, Caballero only	22300	22459	1975-1974	All 6 cyl. engs. (exc. V6)	22400	22470
1976	All V8 engs. (exc. El Camino, Sprint, & 2 bbl. Blazer)	22320*	22460*	1973-1957	All 6 cyl. engs. with spin-on filter	22400	22470
	El Camino, Sprint & 2 bbl. Blazer only	22300	22459	1991-1989	Topaz only	22400	22470
1975-1969	All V8 engs. (exc. El Camino, Sprint)	22320*	22460*	1988-1987	2.3(S),(X)	22400	22470
1070 1000	El Camino, Sprint only	22300	22459	1986	2.3(A),(R),(S)	22400	22470
1968	All V8 engs. with spin-on filter	22300	22459	1985 1984-1983	2.3(A),(S),(X) 2.3L w/1 bbl. carb	22400 22400	22470 22470
1989-1985	4.8(T) 1 bbl.	22300	22459	1982-1981	All 4 cyl. engs. (exc. Lynx, LN-7)	22400	22470
1984-1970	4.1L 250 2 bbl., 4.8L 292 1 bbl.	22300	22459	1980-1973	All 4 cyl. engs.	22400	22470
1969-1963	All 6 cyl. engs. with spin-on filter	22300	22459	1972-1971	2.0L engs.	22400	22470
CHRYSLER				OLDSMOBII	.E		
2015-2008	300C 5.7, 6.1/6.4L engs.		22463	1992	5.0(E), 5.7(7)	22300	22459
1972-1959	All V8 engs. with spin-on filter	22400	22470	1991	5.0(E) Custom Cruiser	22300	22459
DODGE	Turn out			1987-1986	5.0(H) Cutlass Supreme (Canada only)	22300	22459
2014-2008	Viper 8.4L eng.	-	22463	1980 1979-1977	5.0L Cutlass	22300 22300	22459
2015-2008	Challenger, Charger, Magnum 5.7, 6.1/6.4L engs.		22463	1979-1977	305, 350(L) All 6 cyl. engs. (exc. V6)	22300	22459 22459
1972-1963	All V8 engs. with spin-on filter	22400	22470	1978-1976	All 4 cyl. engs.	22300	22459
1962-1961	All "B" Series engs.	22400	22470	PLYMOUTH			
1972-1960	All 6 cyl. engs. with spin-on filter	22400	22470	1972	All V8 engs. (exc 318 cid)	22400	22470
DODGE TRUC	CK			1971-1965	All V8 engs. with spin-on filter	22400	22470
2011-2008	Dakota, Durango 4.7, 5.7L engs.		22463	1964-1963	All "A", "B" Series engs. (exc. Fleet	22400	22470
2015-2008	Ram 1500, 2500, 3500 4.7, 5.7L engs.		22463	1005	cars)	00400	004=0
1974-1964	All V8 engs. with spin-on filter	22400	22470	1962	All "B" Sorios ango	22400	22470
1974-1965	All V6 engs. with spin-on filter	22400	22470	1961-1958 1972-1960	All "B" Series engs. All 6 cyl. engs. with spin-on filter	22400 22400	22470 22470
EODD	(exc. cartridge type spin-on)	1		PONTIAC	rai o oyi. engo. witti əpiil-Ull liitei	22700	, LL71U
FORD	Crown Victoria A CL and	T	22463	2010-2008	G8 6.0, 6.2L engs.		22463
2010-1992 2015-1996	Crown Victoria 4.6L eng. Mustang 4.6L/5.0L/5.4L engs.		22463	2006-2004	GTO 5.7, 6.0L engs.	22305	22462
1995-1994	Mustang 4.0L/5.0L/5.4L engs. Mustang 5.0L eng.	22400	22403	2002-1998	Firebird 5.7L eng.	22305	22462
1993-1992	All V8 engs. (exc. Crown Victoria, LTD)	22400	22470	1997-1990	All V8 engs.	22300	22459
1991-1989	All V8 engs. (exc. 5.8(G) 2 bbl. Police)	22400	22470	1989-1986	All V8 engs. (exc. 5.0(Y))	22300	22459
1988-1986	All V8 engs. w/o oil cooler	22400	22470	1985-1982	All V8 engs. (exc. Diesel)	22300	22459
1985-1984	All V8 engs. w/o oil cooler (exc. 5.0L H.O.)	22400	22470	1981-1980 1979-1978	5.0(H) 4 bbl. 5.0L, 5.7(L) engs.	22300 22300	22459 22459
1983-1980	All V8 engs. (exc. 5.8L 2 bbl. w/oil cooler)	22400 22400	22470 22470	1979-1978	307 cid only	22300	22459
1979-1975 1974-1957	All V8 engs. (exc. Mustang II) All V8 engs. with spin-on filter	22400	22470	1976-1970	All 6 cyl. engs.	22300	22459
1985-1980	All 6 cyl. engs.	22400	22470	1964	All 6 cyl. engs.	22320*	22460*
1979-1975	All 6 cyl. engs. (exc. Pinto & Mustang II)	22400	22470	1978-1976	All 4 cyl. engs.	22300	22459
1974-1957	All 6 cyl. engs. with spin-on filter	22400	22470	*NOTE: The	shorter Nos. 22300 and 22459 filters may	the used in	thie
1993-1992	2.3(M)	22400	22470		desired. For maximum filtration performa		
1991	2.3(M),(X)	22400	22470	largest filter p		oo, aivvayo	200 110
1990-1985	2.3(A),(S),(X)	22400	22470				
1984	2.3L w/1 bbl. carb	22400	22470				

OIL FILTERS & SCREENS

ENGINE SAVER

Pre-Filter Screen

- Fits all Small Block, Big Block and 90° V6 Chevy engines with spin-on oil filters
- Unique stainless steel screen locates on top of spin-on oil filters to trap debris before it enters the filter element undetected
- Particulate matter trapped in the screen and detected during periodic inspections serves as an "early warning signal" for impending engine failures
- 304 stainless steel filtration-grade screen traps contaminants down to the 280 micron range without affecting oil flow or oil pressure
- Crimped rings at both outside and inside diameters provide increased strength and extended durability
- Designed in cooperation with Jomar Racing Engines

PART # DESCRIPTION

23845 "Engine Saver" Pre-Filter Screen. Small Block, Big Block and 90° V6 Chevy



No. 23845

IN-LINE SCREENED OIL FILTERS

- Prevents metal chips and other debris from entering dry sump pumps, rear end pumps & other oiling system components
- · Ideal for use in oiling system scavenge lines
- · Disassembles for easy cleaning
- · Manufactured from lightweight aluminum
- 304 stainless steel screen uses .018" diameter 16 mesh wire



No. 23870



Fittings on pgs. 150-151

PART # DESCRIPTION

23850 In-Line Screened Oil Filter, -10AN fittings
 23860 In-Line Screened Oil Filter, -12AN fittings
 23870 In-Line Screened Oil Filter, -8AN fittings

PART # REPLACEMENT PART

97050 Filter Element

FILTER FITTING SCREEN KIT

- . Install in fittings to trap metal chips and debris
- Ideal for use on dry sump pumps, external oil pumps, rear end pumps, etc.
- 304 stainless steel screen uses .015" diameter 16 mesh wire
- Dimensions: .817" O.D. x 1.75" long
- Includes epoxy cement and 4 screens per kit
- Machining required for installation

PART # DESCRIPTION

23965 Filter Fitting Screen Kit



No. 23965

OIL RETURN SCREEN KITS

- Inexpensive engine insurance!
- Traps metal fragments or loose components resulting from valvetrain failure before reaching vital engine parts
- Stainless steel mesh screens are fitted over holes in lifter valley with supplied epoxy

PART # DESCRIPTION

25000 Oil Return Screen Kit, Small Block Chevy. Includes 8 oil return hole plugs to redirect oil to front/rear return galleries.

Includes filter screens and epoxy

25001 Oil Return Screen Kit, Big Block Chevy. Includes 4 screens and epoxy

25026 Oil Return Screen Kit, Dart SHP SBC



No. 25000

ENGINE MAGNET KIT

- Use with any engine to minimize damage caused by valvetrain failures
- · Magnets pick up metal fragments before reaching critical areas
- Place them in strategic locations near cylinder head and lifter valley drainback holes or in dry sump tank
- Includes: 4 each of 2-sized magnets (1-1/4" O.D. 3/4" I.D. and 7/4" O.D. 3/4" I.D.) and Epoxy

PART # DESCRIPTION 22710 Engine Magnet Kit



LOW OIL PRESSURE WARNING LIGHT

- Quick-response switch immediately alerts the racer to a low oil pressure condition
- Sending unit is factory set at 15 PSI. If a setting other than 15 PSI is desired, this Sending unit is easily adjustable by removing rubber cap and adjusting with Allen wrench
- Extra large 2-1/2" diameter Lexan lens is impossible to ignore
- · Light assembly is rubber-mounted to protect against shock

PART # DESCRIPTION

49500 Low Oil Pressure Warning Light Kit

PART # REPLACEMENT PART
97015 Low Oil Pressure Switch



No. 49500

OIL PRESSURE GAUGE

1.5" Diameter, 0-120 PSI

- Necessary for racing applications where high oil pressures— above the range of typical oil pressure gauges—are used
- Will fit any 1/8" NPT male thread
- Excellent vibration and shock resistance

PART # DESCRIPTION

89611 Oil Pressure Gauge, 1.5" Diameter, 0-120 PSI



CRANKCASE EVACUATION SYSTEM

- Reduces crankcase pressure throughout entire rpm range for increased piston ring seal, reduced intake charge contamination, and fewer oil leaks
- Track and dyno tests prove increases in engine performance
- Includes 2 each: Oil Separators/Breathers, Breather/Filler Cap Grommets, One-Way Check Valve and Weld-In Nipple for header collector, use with %" dia. hose

PART # DESCRIPTION

25900* Crankcase Evacuation System

PART # ACCESSORIES 68788 Breather

PART # REPLACEMENT PARTS 68780 Oil Separator/Breathers 97800 Check Valve for Header Collector

97800 Check Valve for Header Collector 97810 Weld-in Nipple for Header Collector



No. 25900

LIFTER VALLEY OIL BAFFLES

- Increases horsepower by shielding bottom of intake manifold from hot oil
- Keeps surplus oil out of valve covers by eliminating oil splash
- Maintains oil pressure during pushrod or rocker arm failure by keeping lifters in their bores (except with roller cam)
- Due to slight variations in blocks, the baffle may have to be trimmed .060"-.100" before it will "snap" into place
- Cannot be used with roller lifters



No. 25050

PART # DESCRIPTION

25050 Lifter Valley Oil Baffle, Small Block Chevy, including 18° heads

25100 Lifter Valley Oil Baffle, Big Block Chevy25150 Lifter Valley Oil Baffle, Chrysler 273-360

LIFTER VALLEY VENTS

- · Positive ventilation to upper engine
- · Prevents drainback to crankshaft
- · Helps stop excessive windage and horsepower loss
- All aluminum 8 per kit

PART # DESCRIPTION

25025 Lifter Valley Vents. Fits SBC and others,1/4" NPT with Hex Head



No. 25025

GM VALLEY PLATES

Aluminum

- Cost-effective alternatives to the factory GM pieces
- Does not have the two provisions for knock sensors, which are usually not used in racing applications, as open headers, solid lifter cams and stiff suspensions can false trigger them
- Engines that are using a carburetor and distributor also do not need the provisions for the knock sensors, which creates a cleaner installation
- Aluminum plate construction weighs less than the factory cast piece and allows specific bungs to be added
- Can be used on factory and aftermarket GM LS Series style engine blocks

PART # DESCRIPTION

25175 GM Valley Plate, for LS1, LS2, LS6 & C5R **25176** GM Valley Plate, for LSX, LS3 & LS7



No. 25175



No. 25176

OIL RESTRICTOR KITS

 Reduces oil flow to upper engine assembly, leaving more oil available for the rod and main bearings

 Reduces power-robbing windage by reducing the volume of oil passing by the rotating assembly on its return to the pan

· Do not use with hydraulic lifters





No. 22000 No. 22010



PART #	DESCRIPTION
22000	Oil Restrictor Kit. SBC and BBC engines, .060" orifice dia. Oil delivery
	holes at rear cam bearing must be tapped to install. Two per pack
22010	Oil Restrictor Kit. SBC and BBC engines, .0625" orifice dia. Screws into
	existing lifter galley cleaning plug holes at back of block. Two per pack
22016	Oil Restrictor Kit. Fits newer GM-Style blocks
	(including Mark V and Gen VI),.0625" orifice diameter with oil
	lifter galley bosses flush with bell housing face. Two per pack
22017	Oil Restrictor Kit. Fits Merlin II blocks, .0625" orifice
	diameter. Screws into existing lifter galley cleaning plug

holes at back of block. Two per pack

Oil Restrictors, Dart SHP SBC, fits stock lifter bore .843 only 22018 22045 Oil Restrictor Kit. Ford 302-351W and Dart Iron Eagle Ford blocks. Kit includes: Four - Cam Bearing Restrictors (used in Ford & Dart Blocks);

One - 1/16" -14 Restrictor for Lifter Gallies (Ford Only);

One - 1/8" NPT Restrictor for Lifter Gallies (Dart); One - 1/8" NPT Plug for Lifter Gallies (Dart)

22050 Oil Restrictor Kit. Ford 351 Cleveland, designed and used by

Roush-Fenway Racing. Five per pack



No. 22017





No. 22045

No. 22050

VALVETRAIN OIL DEFLECTOR

Fits: All SBC and Ford 289-302 engines with stamped rocker arms

- Redirects oil from pushrod to fulcrum balls, rockers and springs to provide maximum lubrication and cooling
- · Extends life of stock valvetrain assembly
- · Helps eliminate excessive oil accumulation in breather tank when vacuum pump is used
- Manufactured from lightweight .100" aluminum
- . Mounts easily to stock rocker arm studs
- Includes mounting hardware
- Can be easily adapted to many other applications



No. 67700



PART # DESCRIPTION

67700 Valvetrain Oil Deflector, Must use with tall valve covers. Polylocks not included.

HIGH-PRESSURE OIL PUMP RELIEF SPRING

Designed by Jack Roush

Fits: Ford 351C & 400 Engines

- Fits Melling M84A and M84AHV oil pumps
- Increases oil pressure to approximately 100 psi for proper lubrication under sustained high rpm conditions



22850 High-Pressure Oil Pump Relief Spring, Ford 351C and 400



No. 22850

OIL PREHEATERS

- Heater element designed specifically for heating oil; does not scorch or boil the oil like "converted water heater" designs
- 212 watts of power raises temperature of 12 quarts of oil 60°F in about 30 minutes
- Element screws into place; available with aluminum or steel 1" NPT fitting
- 120 volt rating; includes detachable 7-foot cord
- Length of heating element is 4-1/2" from fitting to tip

PART # DESCRIPTION

23980 Oil Preheater, Internal, Aluminum Fitting23990 Oil Preheater, Internal, Steel Fitting

PART # REPLACEMENT PART

97590 Electric Cord



OIL PREHEATER. SELF-CONTAINED

- Heater element designed specifically for heating oil; does not scorch or boil the oil like "converted water heater" designs
- 400 watts of power, 110-120 volt rating
- Aluminum, 1/2" -14 NPT weld-in bung and 3 ft. cord included
- Length of heating element is 4-3/4" from fitting to tip
- Heats 12 quarts of oil to 60°F in 25 minutes

PART # DESCRIPTION

23991 Oil Preheater, Self Contained PART # AVAILABLE OPTION

22737 Steel Weld-In Bung, ½" -14 NPT



EXTERNAL HEATING PADS

- New and improved lamination process
- Excellent for pre-heating of oil pans, tanks and automatic transmission pans
- · Available with self-adhesive or hook/spring attachment methods
- Etched foil design distributes heat evenly
- Superior grade silicone outer shell resists oil and dirt

PART # DESCRIPTION

23995 External Heating Pad, 6" x 12", hook and spring attachment.

360 Watts. 8" 110V cord

23996 External Heating Pad, 5" x 7", self-adhesive. 400 Watts (min).

Heats oil from 66°F to 160°F in only 25 minutes. 36" 110V cord

23997 External Heating Pad, 2" x 15", self-adhesive. 150 Watts.

Perfect for slender areas of oil pans/dry

sump tanks. 36" 110V cord



AN ALUMINUM PORT PLUGS

Aluminum -12AN Port Plugs are used to seal threaded female ports in fluid systems

No. 23997

- · Billet Aluminum, anodized
- Comes with 0-ring seal

PART # DESCRIPTION

22749 Port Plug, -12 AN With O-Ring Seal, Anodized





No. 22749

-AN FITTINGS

Aluminum

- Can be used on oil system components, Moroso Part Nos. 23700, 23710, 23750, 23760, 23770, 23782, 23780, 23690, 23692,23840, 23900, 23901 or 23905
- Can be used with cooling system components, Moroso Part Nos. 63650, 63651, 63655, 63656, 63420, 63421or 63505
- Will also fit with Moroso's Power Steering Tank No. 85480
- Part No. 22709 can be used with No. 23766

PART # DESCRIPTION

22706 Fitting, ½" NPT to -10AN, 1 per package **22708** Fitting, ½" NPT to -12AN, 1 per package **22709** Fitting, -12AN to -10AN, 1 per package



No. 22706



No. 22709



No. 22708

AN FITTINGS WITH O-RING

For Dry Sump Pumps, Tanks and Other Applications

- · Radiused on inlets to reduce restriction for greater flow
- Black anodized billet aluminum
- Available in two sizes, plus one with screen
- Includes Buna-N O-ring seal

PART # DESCRIPTION

22605 AN Fittings, -10AN to -10AN, 2 per package
 22606 AN Fittings, -10AN to -12AN, 2 per package
 22620 AN Fitting, -12AN to -12AN, 1 per package
 22622 AN Fitting, -16AN to -16AN, 1 per package



No. 22605



No. 22606



No. 22620



No. 22622



No. 22625

-20AN HEMI PAN FITTING

- Designed to plumb oil lines to -20AN pickups in Hemi oil pans
- Black anodized billet aluminum
- · Raduised inlet increases flow for improved oiling
- Includes 0-ring

PART # DESCRIPTION

22625 Hemi Pan Fitting, -20AN to -20AN,

1 per package





No. 97641

SPECIAL REPLACEMENT FITTINGS

- Special clearanced Fittings
- -12AN for Moroso Vacuum Pumps Nos. 22640, 22641 and 22642 and Remote Oil Filter Mount No. 23766
- -16AN for Moroso Vacuum Pump No. 22643
- Black anodized billet aluminum
- · Radiused inlets to reduce restriction for greater flow
- Includes 0-ring

PART # DESCRIPTION

97641 Replacement Threaded Fitting, -12AN, 2 per package
 22626 Threaded Fittings for No. 22643, -16AN, 2 per package

EXTERNAL WET SUMP OIL PUMP FITTINGS

- Helps prevent cavitation by allowing a larger diameter hose to be used, which acts as a storage container
- For use with external wet sump pumps and pans with -10AN or -12AN fittings
- One per package, includes 0-ring

PART # DESCRIPTION

22703 Fitting, -10AN to -16AN Adapter **22704** Fitting, -12AN to -16AN Adapter





FITTINGS

FILTER FITTINGS

Designed to trap metal chips and debris before reaching external or dry sump oil pumps, or rear end lube pumps

- 304 stainless steel screen uses .015" diameter, 16 mesh wire
- Two styles available: External Screen for oil pan and tank outlets and Internal Screen for inlet sides of oil pumps
- Useful in applications where space limitations prevent the use of an in-line filter
- · Easily removed for cleaning

PART #	DESCRIPTION
23960	Filter Fitting, External Screen, ¾" NPT to -12AN male,
	one per package
23961	Filter Fitting, External Screen, -12AN male to -12AN male,
	one per package
23962	Filter Fitting, External Screen, -16AN to -16AN,
	one per package
22610	Filter Fittings, Internal Screen, -10AN to -12AN,
	two per package

No. 22610





No. 23961 No. 23962 No. 23960

Filter Fitting Screen Kit on pg. 145

WELD-ON -AN BUNGS

- Weld-on bungs for use with aluminum radiators, overflow tanks, oil tanks, oil pans, etc.
- Provides adapters for return or feed hoses, pressure gauges, turbo drainbacks or other custom plumbing requirements
- Aluminum
- One per package

PART #	DESCRIPTION		
MALE	FEMALE		
22711	22718	-4AN	
22712	22719	-6AN	
22713	22720	-8AN	
22714		-10AN	
22715	22722	-12AN	
22716		-16AN	
22717		-20AN	









No. 22711

No. 22718

No. 22712

No. 22719







No. 22713

No. 22720

No. 22714

No. 22715









No. 22722

No. 22716

No. 22717

WELD-ON NPT BUNGS

- Weld-on for use with oil pans, fuel tanks/fuel sump, turbo drainbacks, feed hoses, pressure gauges or other requirements
- One per package, female

PART #	DESCRIPTION
22724	Weld-On Bung, 1/8" NPT, Aluminum
22725	Weld-On Bung, 1/4" NPT, Aluminum
22726	Weld-On Bung, %" NPT, Aluminum
22727	Weld-On Bung, 1/2" NPT, Aluminum
22728	Weld-On Bung, 3/4" NPT, Aluminum
22729	Weld-On Bung, 1" NPT, Aluminum
22737	Weld-On Bung, ½" NPT, Steel







No. 22724

No. 22725

No. 22726









No. 22727

No. 22728

No. 22729

No. 22737

VACUUM PUMPS

The nature of a vacuum pump is to remove air, blow-by gasses and other contaminants from the crankcase of an engine. Crankcase vacuum will increase horsepower by allowing the use of low-tension compression and oil control rings. In which the use of reduces frictional horsepower losses, blow-by, intake charge contamination and aids in detonation prevention. Moroso's "purpose built" racing pumps offer all these advantages and more. Whether you have a normally aspirated Small Block or a nitrous equipped Pro-Mod, one of Moroso's vacuum pump offerings with all the needed accessories has you covered. These pumps will suit nearly any engine combination and requirement.

ORIGINAL DESIGN 3-VANE VACUUM PUMP

- Versatile Billet aluminum design
- Engineered vane material for improved efficiency and wear
- Completely rebuildable in 15 minutes
- · Mounting bracket not included
- 4.150" O.D. body, 5.050" from back of pump to pulley mounting flange

PART # DESCRIPTION

22640 Original Design 3-Vane Vacuum Pump, -12AN Fittings



ENHANCED DESIGN 3-VANE VACUUM PUMP

We've taken our popular 3-Vane Vacuum Pump and added tricks that we learned when designing our "Enhanced Design" 4 Vane Vacuum Pump and through continual development of our Vacuum Pump line.
The end result is:

- The "Enhanced Design" features allow the pump to pull more vacuum than the "Original" style 3-Vane pump
- Achieves greater vacuum sooner
- 3-Vane Design weighs less than "original" style pumps
- Virtually maintenance free
- Designed with maintenance-free precision sealed roller bearings
- Includes -12AN Fittings
- Mounting bracket not included
- 4.375" O.D. body, 5.050" from back of pump to pulley mounting flange

PART # DESCRIPTION

22840 Enhanced Design 3-Vane Vacuum Pump, -12AN Fittings,

Hard Anodized Finish

PART # AVAILABLE OPTIONS

63903 Vacuum Pump Idler Pulley Kit



No. 22840



Mounting Brackets on pgs. 164-168

ORIGINAL DESIGN 4-VANE VACUUM PUMP

- Versatile Billet aluminum design, well suited for wet or dry sump applications
- Engineered vane material for improved efficiency and wear
- Completely rebuildable in 15 minutes
- · Mounting bracket not included
- 4.150" O.D. body, 5.900" from back of pump to pulley mounting flange

PART # DESCRIPTION

22641 Original Design 4-Vane Vacuum Pump, -12AN Fittings



REPLACEMENT PARTS FOR MOROSO VACUUM PUMPS

PAKI#	REPLACEMENT PARTS
97641	Replacement Fittings, -12AN
22626	Replacement Fittings, -16AN
22645	Vacuum Pump Rebuild Kit, Includes Bearing, Seals & Vanes For No. 22640
22646	Vacuum Pump Rebuild Kit, Includes Bearing, Seals & Vanes For No. 22641
97180	Rebuild Kit, Excluding Vanes, Includes Shaft & Hub, For Nos. 22640, 22641
97181	Rebuild Kit, Excluding Vanes, Includes Shaft & Hub, For Nos.22642, 22644, 22840, 22842
97642	Vacuum Pump, Vane Kit, For Nos. 22640, 22641, 22642, 22644, 22840, 22842
97644	Vacuum Pump, Vane Kit, For No. 22643

VACUUM PUMPS

ENHANCED DESIGN 4-VANE VACUUM PUMPS

- "Enhanced Design" pulls 13.9% more vacuum
- · Can be used efficiently on wet or dry-sump engines
- Achieves greater vacuum sooner, virtually maintenance free
- 4-Vane design weighs less than "original" style pumps
- Designed with maintenance-free precision sealed roller bearings
- Pump **No. 22644** is natural aluminum finish designed to be polished, interior hard coated for wear resistance
- 4.375" O.D. body, 5.050" from back of pump to pulley mounting flange



22842 Enhanced Design 4-Vane Vacuum Pump, -12AN Fitting,

Mounting Bracket not included, Hard Anodized Finish

22642 Enhanced Design 4-Vane Vacuum Pump Kit,

-12AN Fitting, Mounting Bracket, Hard Anodized Finish

22644 Enhanced Design 4-Vane Vacuum Pump Kit,

-12AN Fitting, Mounting Bracket, Natural

Aluminum Finish

PART # AVAILABLE OPTIONS

63903 Vacuum Pump Idler Pulley Kit



No. 22642

No. 22644

LARGE STYLE 4-VANE VACUUM PUMP

with Dual Line Manifold

This "large style" 4-Vane Vacuum Pump was released from feedback by racers and engine builders who craved the performance of the Moroso "Pro-Mod Style" vacuum pump but needed a pump that was physically smaller and lighter.

- Pulls large consistent vacuum numbers
- · Creates vacuum quickly and linearly
- Virtually maintenance free, designed with maintenance-free precision sealed roller bearings
- Includes a manifold for dual feed applications or installation of a relief valve
- Comes with a 36 tooth 3/8" pitch 1/2" wide Gilmer pulley, adjustable mounting bracket and -12AN fittings
- 5.030" O.D. body, 6.175" from back of mounting bracket to end of slot on front of pulley

PART # DESCRIPTION

22843 Large Style 4-Vane Vacuum Pump

PART # AVAILABLE OPTIONS

22630 Vacuum Relief Valve, -12 AN Adjustable

97172 Crankshaft Drive Pulley, 18 tooth, 1/2" wide, Gilmer



No. 22843

Mounting Brackets on pgs. 164-168

PRO-MOD STYLE LARGE CUBIC INCH ENGINES & BLOWER MOTOR PUMP

- Large displacement creates incredible vacuum
- Flows up to 150% more than Original Design
- Capable of flowing 100 CFM with -16AN fitting
- Utilizes sealed maintenance free bearings
- Adjustable bracket and fittings included
- 5.300" O.D. body, 6.550" from back of pump to pulley mounting flange

PART # DESCRIPTION

22643 Pro Mod Style Large Cubic Inch & Blower Motor Pump,

1-1/4" beaded hose fitting with -16AN Inlet and Outlet Fitting



No. 22643

VACUUM PUMP ACCESSORIES

VACUUM RELIEF VALVES

With Easy Adjustable Knob

- Vacuum relief point is adjustable by turning the built-In adjustment knob to get the precise amount of vacuum desired. Tightening the integral locknut keeps the adjustment locked until the next adjustment is needed
- Can be disassembled for easy cleaning and maintenance and will work with any vacuum level
- They are made of 6061 aluminum and have a smooth, attractive finish



22630 Vacuum Relief Valve with Easy Adjustable Knob, Gland Seal (-12AN Female)

22631 Vacuum Relief Valve with Easy Adjustable Knob, Face Seal ("Face to Face" thru sheetmetal)



No. 22630

No. 22631

BILLET ALUMINUM VACUUM RELIEF VALVES

Shim-able Spring Style

- Two styles allow fastening through valve covers (No. 22637) or threaded directly into lifter valley (No. 22636)
- Vacuum relief point is adjustable by shimming an internal spring to get the precise amount of vacuum desired
- Can be disassembled for easy cleaning and maintenance and works with any vacuum level
- They are made of 6061 T6 Billet aluminum and have a clear, attractive finish

Part #	DESCRIPTION
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22636 Billet Aluminum Vacuum Relief Valve, Shim-able Spring Style, %" NPT
 22637 Billet Aluminum Vacuum Relief Valve, Shim-able Spring Style, %"-16 Thread



No. 22637

VACUUM PUMP REGULATOR

Shim-able Spring Style

- · Regulator screws directly into vacuum pump's -12AN inlet
- 360° directional adjustability
- Prevents the need for drilling additional holes in the valve cover
- · Anodized clear
- Prevents pulling excess oil out of the crankcase

PART # DESCRIPTION

22633 Vacuum Pump Regulator, Shim-able Spring Style



No. 22633

VACUUM PUMP REGULATOR

With Easy Adjustable Knob

- Regulator screws directly into vacuum pump's -12AN inlet no need to drill additional holes in the valve cover
- 360° directional adjustability by turning the built-in adjustment knob to get the precise amount of vacuum desired
- Tightening the integral locknut keeps the adjustment locked until the next adjustment is needed
- Can be disassembled for easy cleaning and maintenance and will work with any vacuum level
- Made from 6061 billet aluminum with a clear anodized finish
- Prevents pulling excess oil out of the crankcase

PART # DESCRIPTION

22629 Vacuum Pump Regulator with Easy Adjustable Knob



No. 22629

POSITIVE SEAL VENTED FITTING -12AN/-16AN

- Designed to greatly simplify the plumbing of a vacuum pump
- Screws into side of valve cover
- Provides leak free 0-ring seal on any flat valve cover surface
- No welding required
- Anodized to prevent corrosion

PART # DESCRIPTION

22634 -16AN Fitting, Positive Sealing, one per package22635 -12AN Fitting, Positive Sealing, one per package

PART # REPLACEMENT PARTS

97641 -12AN Replacement Fitting, two per package 22626 -16AN Replacement Fitting, two per package





No. 22634

-16AN FITTINGS FOR VACUUM PUMPS

- -16AN for Moroso Vacuum Pump No. 22643
- Anodized to prevent corrosion
- Radiused inlets to reduce restriction for greater flow
- Includes 0-rings
- Two per package

PART # DESCRIPTION

22626 Fitting, Vacuum Pump, -16AN



POSITIVE SEAL 1/8" NPT FITTING

- Designed to facilitate connection of vacuum gauge to the valve cover without welding
- Use with Moroso Vacuum Gauge No. 89610
- Includes 0-rings

PART # DESCRIPTION

22632 Positive Seal 1/8" NPT Fitting



-10AN MALE FITTING, NON-WELD

- Non-weld kit, makes it easy to add a leak-proof fitting to oil pans for oil returns, valve covers, etc., without having to actually weld the fitting
- \bullet Perfect for adding a fitting to steel or aluminum with up to a $1\!\!/\!\!s$ " max. wall thickness
- · 0-ring seal to prevent leaks

PART # DESCRIPTION

22753 -10AN Male Fitting, Non-Weld



CLAMP ON BREATHER

- Clamps onto a 1" outside dia. tube, clamp included
- Fits Moroso Billet Alum.
 Vacuum Relief Valves Nos.
 22633, 22636 and 22637
- Provides maximum protection against dirt and airborne debris without restricting air flow
- Cleanable and re-usable: oil before use

PART # DESCRIPTION

68791 Clamp On Breather, 1" I.D.



VACUUM & OIL PRESSURE GAUGES

- No. 89610 is used to determine vacuum in your engine
- No 89611 is for racing applications where high pressures, above the range of typical oil pressure gauges are used
- Have 1/8" NPT male thread
- Excellent vibration and shock resistance

PART # DESCRIPTION

89610 Vacuum Gauge, 1.5" Diameter, 0-30" Hg **89611** Oil Pressure Gauge, 1.5" Diameter,

0-120 PSI



No. 89610



No. 89611

VACUUM PUMP ACCESSORIES

VACUUM PUMP LINE KIT

- Includes 6 feet of steel reinforced hose, two 90 degree hose fittings and two –12AN straight hose fittings
- Designed to simplify Vacuum Pump installation

PART # DESCRIPTION

22649 Vacuum Pump Line Kit
PART # REPLACEMENT PARTS

22651 Vacuum Pump Replacement Line



No. 22649

VACUUM LINE CAP KIT

- Convenient kit provides a quick, sure way to seal vacuum line connections at carburetors, manifolds, etc. when vacuum lines have been removed
- Kit consists of color-coded soft plastic caps in quantities and inside dimensions as follows: two 1/8", six 3/16", six 1/4", two 5/16", four 3/8"

PART # DESCRIPTION 41090 Vacuum Line Cap Kit



No. 41090

VACUUM LINE CAP KIT, BLACK CAPS

- Convenient kit provides a quick, sure way to seal vacuum line connections at carburetors, manifolds, etc. when vacuum lines have been removed
- Kit consists of black soft plastic caps in quantities and inside dimensions as follows: two 1/8", six 3/16", six ½", two 5/16", four 3/8"

PART # DESCRIPTION

41091 Vacuum Line Cap Kit, Black



No. 41091

BILLET ALUMINUM EQUALIZING PLATES WITH FITTINGS

- Includes ⅓" NPT Fitting and –12AN Fitting
- Allows the vacuum pump and vacuum gauge to be connected*
- Can also be used as a drain back location
- Black Anodized

PART # DESCRIPTION

65397 Fuel Pump Block-Off Plate, SBC

65398 Fuel Pump Block-Off Plate, BBC, 273-440 Chrysler, and all

Fords except 351C, 351M and 400



No. 65397



No. 65398

*Note: Installation of this product requires pulling vacuum from a valve cover as well



3-Vane Vacuum Pump		
PART #	DESCRIPTION	
22640	3-Vane Vacuum Pump	
63860	Vacuum Pump Drive Kit	
63922	Vacuum Pump Bracket	
63923	Vacuum Pump Bracket- Passenger Side	
64885	Vacuum Pump V-Belt Pulley	
85465	Vacuum Pump Breather Tank	

22635 Positive Seal Fitting **4-Vane Vacuum Pump**

PART #	DESCRIPTION
22641	4-Vane Vacuum Pump

63924 Vacuum Pump Bracket, Driver & Passenger Side

64885 Vacuum Pump V-Belt Pulley
63845 Vacuum Pump Drive Kit, SBC
85465 Vacuum Pump Breather Tank
22635 Positive Seal Fitting

Enhanced Vacuum Pump

PART #	DESCRIPTION	
22642	Enhanced Design Vacuum Pump	
22644	Enhanced Design Vacuum Pump	
22840	Enhanced Design Vacuum Pump	
22842	Enhanced Design Vacuum Pump	
63860	Vacuum Pump Drive Kit	
64885	Vacuum Pump V-Belt Pulley	
85465	Vacuum Pump Breather Tank	
22635	Positive Seal Fitting	
Recommended Ontions		

Recommenaea Uptions

песопппенией ориона			
DESCRIPTION			
4" V-Belt Pulley for Drive Mandrels			
Vacuum Relief Valve (Pump Mounted)			
Vacuum Relief Valve (%" NPT)			
Vacuum Relief Valve (¾"-16)			
-12AN Positive Seal Fitting			
Vacuum Pump Line Kit			
Drive Mandrel Kit, SBC; mounts to			
balancer using stock SBC bolt pattern			
28-tooth Gilmer Pump Pulley- uses			
%" pitch x ¾" wide belt			
Air-Oil Separator			
Billet Breather Tank			
Vacuum Gauge			
Vacuum Gauge Fitting			
Vacuum Pump Idler Pulley Kit			

CHEVROLET SWALL DLOCK		
3-Vane Vacuum Pump		
PART #	DESCRIPTION	
22640	3-Vane Vacuum Pump	
63910	Vacuum Pump Mounting Bracket	
64885	Vacuum Pump V-Belt Pulley	
63845	Vacuum Pump Drive Kit, SBC	
85465	Vacuum Pump Breather Tank	
22635	Positive Seal Fitting	
4-Vane	Vacuum Pump	
PART #	DESCRIPTION	
22641	4-Vane Vacuum Pump	
63910	Vacuum Pump Mounting Bracket	
64885	Vacuum Pump V-Belt Pulley	
63845	Vacuum Pump Drive Kit SRC	

63910	Vacuum Pump Mounting Bracke
64885	Vacuum Pump V-Belt Pulley
63845	Vacuum Pump Drive Kit, SBC
85465	Vacuum Pump Breather Tank
22635	Positive Seal Fitting

Enhanced Vacuum Pump

PART #	DESCRIPTION
22642	Enhanced Design Vacuum Pump
22644	Enhanced Design Vacuum Pump
22840	Enhanced Design Vacuum Pump
22842	Enhanced Design Vacuum Pump
64885	Vacuum Pump V-Belt Pulley
63845	Vacuum Pump Drive Kit, SBC
85465	Vacuum Pump Breather Tank
22625	Docitive Coal Fitting

63845	Vacuum Pump Drive Kit, SBC
85465	Vacuum Pump Breather Tank
22635	Positive Seal Fitting
Recomn	nended Options
PART #	DESCRIPTION
23523	4" V-Belt Pulley for Drive Mandrels
22633	Vacuum Relief Valve (Pump Mounted)
22636	Vacuum Relief Valve (%" NPT)
22637	Vacuum Relief Valve (¾"-16)
22635	-12AN Positive Seal Fitting
22649	Vacuum Pump Line Kit
63859	Drive Mandrel Kit, SBC; mounts to
	balancer using stock SBC bolt pattern
64886	28-tooth Gilmer Pump Pulley- uses
	%" pitch x ¾" wide belt
85471	Air-Oil Separator
85500	Billet Breather Tank
22632	Vacuum Gauge
89610	Vacuum Gauge Fitting
63903	Vacuum Pump Idler Pulley Kit

SUGGESTED COMPONENT COMBINATIONS

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CHEVNULEI D		

CHEVR	OLET BIG BLOCK
<i>3-Vane</i> I	/acuum Pump
PART #	DESCRIPTION
22640	3-Vane Vacuum Pump
63910	Vacuum Pump Mounting Bracket
64885	Vacuum Pump V-Belt Pulley
63844	Vacuum Pump Drive Kit, BBC
85465	Vacuum Pump Breather
22635	Positive Seal Fitting
4-Vane l	/acuum Pump
PART #	DESCRIPTION
22641	4-Vane Vacuum Pump
63910	Vacuum Pump Mounting Bracket
64885	Vacuum Pump V-Belt Pulley
63844	Vacuum Pump Drive Kit, BBC
85465	Vacuum Pump Breather Tank
22635	Positive Seal Fitting
Enhance	ed Vacuum Pump
PART #	DESCRIPTION
22642	Enhanced Design Vacuum Pump
22644	Enhanced Design Vacuum Pump
22840	Enhanced Design Vacuum Pump
22842	Enhanced Design Vacuum Pump
64885	Vacuum Pump V-Belt Pulley
63844	Vacuum Pump Drive Kit
85465	Vacuum Pump Breather Tank
22635	Positive Seal Fitting
Recomn	nended Options
PART #	DESCRIPTION
23523	4" V-Belt Pulley for Drive Mandrels
22633	Vacuum Relief Valve (Pump Mounted)
22636	Vacuum Relief Valve (3/8" NPT)
22637	Vacuum Relief Valve (¾"-16)
22635	-12AN Positive Seal Fitting
22649	Vacuum Pump Line Kit
63849	Drive Mandrel Kit, BBC; mounts using stock
	BBC bolt pattern
68356	Fabricated Aluminum Valve Cover w/ Positive Seal Fitting
64886	28-tooth Gilmer Pump Pulley-uses 3/8" pitch x 3/4" wide belt
85471	Air-Oil Separator
85500	Billet Breather Tank
22632	Vacuum Gauge
89610	Vacuum Gauge Fitting
63903	Vacuum Pump Idler Pulley Kit
CHRYS	LER SMALL BLOCK
	/acuum Pump
PART #	DESCRIPTION
22640	3-Vane Vacuum Pump
63913	Vacuum Pump Mounting Bracket
63918	Adapter Ring (must use with No. 63913)
64885	Vacuum Pump V-Belt Pulley
63848	SB Chrysler Vacuum Pump Drive Kit
85465	Vacuum Pump Breather Tank
22635	Positive Seal Fitting
	rosilive seal ritting /acuum Pump
	DESCRIPTION
PART #	DESUNIT HUN

22641

63913

63918

4-Vane Vacuum Pump

Vacuum Pump Mounting Bracket

Adapter Ring (must use with No. 63913)

CHRYSLER SMALL BLOCK continued

4-Vane Vacuum Pump			
PART #	DESCRIPTION		
64885	Vacuum Pump V-Belt Pulley		
63848	SB Chrysler Vacuum Pump Drive Kit		
85465	Vacuum Pump Breather Tank		
22635	Positive Seal Fitting		
Enhanced \	/acuum Pump		
PART #	DESCRIPTION		
22642	Enhanced Design Vacuum Pump		
22644	Enhanced Design Vacuum Pump		
22840	Enhanced Design Vacuum Pump		
22842	Enhanced Design Vacuum Pump		
63913	Vacuum Pump Mounting Bracket		
64885	Vacuum Pump V-Belt Pulley		
63848	SB Chrysler Vacuum Pump Drive Kit		
85465	Vacuum Pump Breather Tank		
22635	Positive Seal Fitting		
Recommen	ded Options		
PART #	DESCRIPTION		
23523	4" V-Belt Pulley for Drive Mandrels		
22633	Vacuum Relief Valve (Pump Mounted)		
22636	Vacuum Relief Valve (%" NPT)		
22637	Vacuum Relief Valve (¾"-16)		
22635	-12AN Positive Seal Fitting		
22649	Vacuum Pump Line Kit		
64886	28-tooth Gilmer Pump Pulley- uses		
	%" pitch x ¾" wide belt		
85471	Air-Oil Separator		
85500	Billet Breather Tank		
22632	Vacuum Gauge		
89610	Vacuum Gauge Fitting		
63903	Vacuum Pump Idler Pulley Kit		
CHRYSLER BIG BLOCK			
3-Vane Vacuum Pump			

CHRYSLER BIG BLOCK		
3-Vane Vacuum Pump		
PART #	DESCRIPTION	
22640	3-Vane Vacuum Pump	
63912	Vacuum Pump Mounting Bracket	
64885	Vacuum Pump V-Belt Pulley	
63848	SB Chrysler Vacuum Pump Drive Kit	
85465	Vacuum Pump Breather Tank	
22635	Positive Seal Fitting	
60023*	Drive Kit Spacer	
4-Vane Vacuum Pump		
PART #	DESCRIPTION	
22641	4-Vane Vacuum Pump	
63912	Vacuum Pump Mounting Bracket	
64885	Vacuum Pump V-Belt Pulley	
63848	SB Chrysler Vacuum Pump Drive Kit	
85465	Vacuum Pump Breather Tank	
22635	Positive Seal Fitting	
60023*	Drive Kit Spacer	
Enhanced Vacuum Pump		
PART #	DESCRIPTION	

*Use Part **No. 60023** when using a dry sump/vacuum pump drive kit with a recessed face balancer and a crank trigger; or a recessed or flat-faced balancer and large profile balancer bolt (such as ARP)

Enhanced Design Vacuum Pump

Enhanced Design Vacuum Pump

22642

22644

SUGGESTED COMPONENT COMBINATIONS

CHRYSLER BIG BLOCK continued

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PART #	DESCRIPTION
22840	Enhanced Design Vacuum Pump
22842	Enhanced Design Vacuum Pump
63914	Vacuum Pump Mounting Bracket
64885	Vacuum Pump V-Belt Pulley
63848	SB Chrysler Vacuum Pump Drive Kit
85465	Vacuum Pump Breather Tank
22635	Positive Seal Fitting
60023*	Drive Kit Spacer

Recommended Options

PART #	DESCRIPTION
23523	4" V-Belt Pulley for Drive Mandrels
22633	Vacuum Relief Valve (Pump Mounted)
22636	Vacuum Relief Valve (%" NPT)
22637	Vacuum Relief Valve (¾"-16)
22635	-12AN Positive Seal Fitting
22649	Vacuum Pump Line Kit
C400C	20 tooth Cilmor Dump Pulloy, upon 3/11

28-tooth Gilmer Pump Pulley- uses %" 64886

pitch x ¾" wide belt

85471 Air-Oil Separator 85500 **Billet Breather Tank** 22632 Vacuum Gauge 89610 Vacuum Gauge Fitting 63903 Vacuum Pump Idler Pulley Kit

FORD SMALL BLOCK

3-Vane Vacuum Pump

PART #	DESCRIPTION
22640	3-Vane Vacuum Pump
63911	Vacuum Pump Mounting Bracket
64885	Vacuum Pump V-Belt Pulley
63846	Vacuum Pump Drive Kit, SBF (use w/

style balancers)

85465 Vacuum Pump Breather Tank 22635 -12AN Positive Seal Fitting

4-Vane Vacuum Pump

PART #	DESCRIPTION
22641	4-Vane Vacuum Pump
63911	Vacuum Pump Mounting Bracket
64885	Vacuum Pump V-Belt Pulley
63846	Vacuum Pump Drive Kit, SBF (use w/ stock

style balancers)

85465 Vacuum Pump Breather Tank 22635 -12AN Positive Seal Fitting

Enhanced Vacuum Pump

22635

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PART #	DESCRIPTION
22642	Enhanced Design Vacuum Pump
22644	Enhanced Design Vacuum Pump
22840	Enhanced Design Vacuum Pump
22842	Enhanced Design Vacuum Pump
63915	Enhanced Vacuum Pump Mounting Bracket
64885	Vacuum Pump V-Belt Pulley
63846	Vacuum Pump Drive Kit, SBF (use w/ stock
	style balancers)
85465	Vacuum Pump Breather Tank

-12AN Positive Seal Fitting

FORD SMALL BLOCK continued

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Recomn	nended Options
PART #	DESCRIPTION
23523	4" V-Belt Pulley for Drive Mandrels
22633	Vacuum Relief Valve (Pump Mounted)
22636	Vacuum Relief Valve (%" NPT)
22637	Vacuum Relief Valve (¾"-16)
22649	Vacuum Pump Line Kit
64886	28-tooth Gilmer Pump Pulley-uses $\%$ " pitch x
	¾" wide belt
85471	Oil Air Separator
85500	Billet Breather Tank
22632	Vacuum Gauge
89610	Vacuum Gauge Fitting
63903	Vacuum Pump Idler Pulley Kit
FORD 4	1.6/5.4L MODULAR
3-Vane	/acuum Pump
PART #	DESCRIPTION

o rano	racaam ramp
PART #	DESCRIPTION
22640	3-Vane Vacuum Pump
64885	Vacuum Pump V-Belt Pulley
63849*	Vacuum Pump Drive Kit
85465	Vacuum Pump Breather Tank
22635	-12AN Positive Seal Fitting

4-Vane Vacuum Pump PART # **DESCRIPTION** 4-Vane Vacuum Pump 22641 64885 Vacuum Pump V-Belt Pulley 63849* Vacuum Pump Drive Kit 85465 Vacuum Pump Breather Tank 22635 -12AN Positive Seal Fitting

Enhanced Vacuum Pump PART # DESCRIPTION

22642	Enhanced Design Vacuum Pump
22644	Enhanced Design Vacuum Pump
22840	Enhanced Design Vacuum Pump
22842	Enhanced Design Vacuum Pump
63921	Vacuum Pump Mounting Bracket
64885	Vacuum Pump V-Belt Pulley
63849*	Vacuum Pump Drive Kit
22635	-12AN Positive Seal Fitting

Recomm	nended Options
PART #	DESCRIPTION
23523	4" V-Belt Pulley for Drive Mandrels
22633	Vacuum Relief Valve (Pump Mounted)
22636	Vacuum Relief Valve (%" NPT)
22637	Vacuum Relief Valve (¾"-16)
22649	Vacuum Pump Line Kit
64886	28-tooth Gilmer Pump Pulley-uses 3/8" pitch x
	¾" wide belt
85471	Oil Air Separator
85500	Billet Breather Tank
22632	Vacuum Gauge
89610	Vacuum Gauge Fitting
63903	Vacuum Pump Idler Pulley Kit
*Note: Cu	stomer must use ATI balancer with BBC bolt pattern



Radius Tooth Drive Pulleys on pgs. 177-178

VACUUM PUMP BELT APPLICATION CHART

DRIVE BELT APPLICATION CHART FOR ALTERNATOR AND VACUUM PUMP MOUNTING KITS

For Moroso Part Nos. 63817, 63818, 63819, 63821, 63822, 63823, 63836, 63837 & 63838

- Pulley Distance is measured pulley-center to pulley-center
- Part numbers listed are for Moroso Radius Tooth Drive Belts

CRANK PULLEY	VACUUM PUMP PULLEY	PULLEY DISTANCE	MOROSO BELT PART #
COMBINATION 20	-TOOTH CRANK PULL	EY WITH 40-TOOTH I	VACUUM PUMP PULLEY
20-Tooth	40-Tooth	6.840"	97141
20-Tooth	40-Tooth	7.156"	97142
20-Tooth	40-Tooth	7.806"	97144
20-Tooth	40-Tooth	8.416"	97146
20-Tooth	40-Tooth	8.598"	97147
20-Tooth	40-Tooth	9.381"	97149
20-Tooth	40-Tooth	10.158"	97151
20-Tooth	40-Tooth	10.450"	97152
20-Tooth	40-Tooth	10.947"	97154
20-Tooth	40-Tooth	11.755"	97156
20-Tooth	40-Tooth	12.056"	97157
20-Tooth	40-Tooth	12.536"	97159
20-Tooth	40-Tooth	12.855"	97160
20-Tooth	40-Tooth	13.653"	97162
20-Tooth	40-Tooth	14.133"	97164
COMBINATION 22	-TOOTH CRANK PULL	EY WITH 40-TOOTH	VACUUM PUMP PULLEY
22-Tooth	40-Tooth	6.710"	97141
22-Tooth	40-Tooth	7.000"	97142
22-Tooth	40-Tooth	7.660"	97144
22-Tooth	40-Tooth	8.279"	97146
22-Tooth	40-Tooth	8.457"	97147
22-Tooth	40-Tooth	9.218"	97149
22-Tooth	40-Tooth	10.000"	97151
22-Tooth	40-Tooth	10.310"	97152
22-Tooth	40-Tooth	10.780"	97154
22-Tooth	40-Tooth	11.619"	97156
22-Tooth	40-Tooth	11.921"	97157
22-Tooth	40-Tooth	12.397"	97159
22-Tooth	40-Tooth	12.720"	97160
22-Tooth	40-Tooth	13.528"	97162
22-Tooth	40-Tooth	13.980"	97164
			VACUUM PUMP PULLEY
26-Tooth	40-Tooth	N/A	97141
26-Tooth	40-Tooth	N/A	97142
26-Tooth	40-Tooth	7.375"	97144
26-Tooth	40-Tooth	8.000"	97146
26-Tooth	40-Tooth	8.170"	97147
26-Tooth	40-Tooth	8.950"	97149
26-Tooth	40-Tooth	9.720"	97151
26-Tooth	40-Tooth	10.029"	97152
26-Tooth	40-Tooth	10.504"	97154
26-Tooth	40-Tooth	11.318"	97156
26-Tooth	40-Tooth	11.622"	97157
26-Tooth	40-Tooth	12.120"	97159
26-Tooth	40-Tooth	12.412"	97160
26-Tooth	40-Tooth	13.217"	97162

APPLICATION CHART CONTINUED ON NEXT PAGE

VACUUM PUMP BELT APPLICATION CHART

DRIVE BELT APPLICATION CHART FOR ALTERNATOR AND VACUUM PUMP MOUNTING KITS

Continued

Radius Tooth Drive Belts on pg 178

			on pg 178
CRANK PULLEY	VACUUM PUMP PULLEY	PULLEY DISTANCE	MOROSO BELT PART #
COMBINATION 28	-TOOTH CRANK PULLE	Y WITH 40-TOOTH VACU	UM PUMP PULLEY
28-Tooth	40-Tooth	N/A	97141
28-Tooth	40-Tooth	N/A	97142
28-Tooth	40-Tooth	7.225"	97144
28-Tooth	40-Tooth	7.842"	97146
28-Tooth	40-Tooth	8.012"	97147
28-Tooth	40-Tooth	8.791"	97149
28-Tooth	40-Tooth	9.563"	97151
28-Tooth	40-Tooth	9.880"	97152
28-Tooth	40-Tooth	10.345"	97154
28-Tooth	40-Tooth	11.160"	97156
28-Tooth	40-Tooth	11.468"	97157
28-Tooth	40-Tooth	11.958"	97159
28-Tooth	40-Tooth	12.251"	97160
28-Tooth	40-Tooth	13.051"	97162
28-Tooth	40-Tooth	13.532"	97164
COMBINATION 30	-TOOTH CRANK PULLE	Y WITH 40-TOOTH VACU	UM PUMP PULLEY
30-Tooth	40-Tooth	N/A	97141
30-Tooth	40-Tooth	N/A	97142
30-Tooth	40-Tooth	7.084"	97144
30-Tooth	40-Tooth	7.702"	97146
30-Tooth	40-Tooth	7.871"	97147
30-Tooth	40-Tooth	8.658"	97149
30-Tooth	40-Tooth	9.431"	97151
30-Tooth	40-Tooth	9.743"	97152
30-Tooth	40-Tooth	10.196"	97154
30-Tooth	40-Tooth	11.017"	97156
30-Tooth	40-Tooth	11.325"	97157
30-Tooth	40-Tooth	11.813"	97159
30-Tooth	40-Tooth	12.117"	97160
30-Tooth	40-Tooth	12.916"	97162
30-Tooth	40-Tooth	13.386"	97164
COMBINATION 32	-TOOTH CRANK PULLE	Y WITH 40-TOOTH VACU	UM PUMP PULLEY
32-Tooth	40-Tooth	N/A	97141
32-Tooth	40-Tooth	N/A	97142
32-Tooth	40-Tooth	N/A	97144
32-Tooth	40-Tooth	7.555"	97146
32-Tooth	40-Tooth	7.722"	97147
32-Tooth	40-Tooth	8.503"	97149
32-Tooth	40-Tooth	9.278"	97151
32-Tooth	40-Tooth	9.588"	97152
32-Tooth	40-Tooth	10.051"	97154
32-Tooth	40-Tooth	10.875"	97156
32-Tooth	40-Tooth	11.175"	97157
32-Tooth	40-Tooth	11.662"	97159
32-Tooth	40-Tooth	11.973"	97160
32-Tooth	40-Tooth	12.769"	97162
32-Tooth	40-Tooth	13.234"	97164

VACUUM PUMP BRACKETS

VACUUM PUMP MOUNTING BRACKETS

Moroso offers Anodized Billet Aluminum Vacuum Pump Mounting Brackets that fit a variety of engine and vacuum pump combinations. These brackets fit the engines directly, or mount to a motor plate. Refer to the chart below for complete application details.

VACUUM PUMP BRACKET APPLICATION CHART

PART #	ENGINE Application	BRACK	SO PUMP KET WAS NED FOR	MOUNTING LOCATION
63910	All Engines	22640	22641	With a motorplate
63917	All Engines	22642 22840	22644 22842	With a motorplate
63910	Small & Big Block Chevy	22640	22641	Driver/passenger cyl. heads
63917	Small & Big Block Chevy	22642 22840	22644 22842	Driver/passenger cylinder heads
63922	GM LS	22640	22641	Driver side cylinder head
63923	GM LS	22640	22641	Passenger side cylinder head
63924*	GM LS	22642 22840	22644 22842	Driver/passenger cylinder heads
63911	Small Block Ford	22640	22641	Driver or Passenger cylinder heads
63915*	Small Block Ford	22642 22840	22644 22842	Driver or Passenger cylinder heads
63921*	Ford 4.6/5.4	22640 22642 22840	22641 22644 22842	OEM, Power Steering Pump Location
63909	Big Block Ford	22640	22641	Driver or Passenger cylinder heads









* Part No.63917 needed with 63914, 63915, 63921 & 63924 to mount enhanced pumps to the mounting bracket.







No. 63922 No. 63924



PART# **REPLACEMENT PARTS**

63917 Replacement Bracket for Moroso "Enhanced Design"

Vacuum Pump Nos. 22642 and 22842

PART # **AVAILABLE OPTIONS**

Adapter Ring. Allows the use of a Moroso "Original" Style Vacuum Pump with No. 63917 Mounting Brackets

No. 63923 No. 63915

VACUUM PUMP IDLER PULLEY KIT

For Moroso Enhanced Vacuum Pumps

- Idler Pulley mounts off the face of a Moroso Enhanced Series Vacuum Pump
- Unique tensioner system with a heavy duty/high speed bearing reduces belt flap throughout rpm range
- Slotted bracket allows for a range of adjustment
- Kit contains the Idler Pulley, the Idler Pulley bracket which is constructed out of billet aluminum and includes high quality hardware for years of service

PART # **DESCRIPTION**

63903 Vacuum Pump Idler Pulley Kit, For Moroso Enhanced Vacuum Pumps



No. 63903

ALTERNATOR MOUNTING KITS

ALTERNATOR MOUNT KITS

For SBC and BBC, Nippondenso 93 mm, Aftermarket

Patent No. D600,720

PART # DESCRIPTION

- These bracket kits are designed to mount mini ND-style and 93mm alternators to either side of the motor, while clearing the electric water pump
- · Works with most old and new style drive mandrel kits
- Includes all spacers and hardware

PART #	DESCRIPTION
63827	Alternator Mounting Kit, SBC, Moroso Electric Water Pumps
63828	Alternator Mounting Kit, SBC, CSR Electric Water Pumps
63829	Alternator Mounting Kit, SBC, Meziere Electric Water Pumps
63832	Alternator Mounting Kit, BBC, Moroso Electric Water Pumps
63833	Alternator Mounting Kit, BBC, CSR Electric Water Pumps
63834	Alternator Mounting Kit, BBC, Meziere Electric Water Pumps



No. 63832

ALTERNATOR AND VACUUM PUMP MOUNTING KITS

For SBC and BBC, Nippondenso 93 mm, Aftermarket Patent No. D600,720

- Two mounts incorporated into one billet aluminum frame with belt adjustment for alternator and vacuum pump
- These bracket kits are designed to mount mini ND-style 93mm alternators and Moroso Nos. 22642, 22644, 22840 or 22842 Enhanced Design Vacuum Pumps
- Works with most old and new style drive mandrel kits, with recommended pulleys (see options, below)



63817	Alternator/Vacuum Pump Mounting Kit, SBC, Moroso Electric Water Pumps 93mm
	style alternators, Moroso Enhanced Vacuum Pumps
63818	Alternator/Vacuum Pump Mounting Kit, SBC, CSR Electric Water Pumps
	93mm style alternators, Moroso Enhanced Vacuum Pumps
63819	Alternator/Vacuum Pump Mounting Kit, SBC, Meziere Electric Water Pumps 93mm
	style alternators, Moroso Enhanced Vacuum Pumps
63836	Alternator/Vacuum Pump Mounting Kit, BBC, Moroso Electric Water Pumps 93mm
	style alternators, Moroso Enhanced Vacuum Pumps
63837	Alternator/Vacuum Pump Mounting Kit, BBC, CSR Electric Water Pumps
	93mm style alternators, Moroso Enhanced Vacuum Pumps
63838	Alternator/Vacuum Pump Mounting Kit, BBC, Meziere Electric Water Pumps 93mm
	style alternators, Moroso Enhanced Vacuum Pumps



FOR ALL ALTERNATOR & VACUUM PUMP MOUNTING KITS:

PART # RECOMMENDED OPTIONS 23540 Pump Pulleys 40 Tooth, SBC, BBC 23533 Crankshaft Pulley, 20 Tooth, BBC 23534 Crankshaft Pulley, 22 Tooth, SBC 97149 Radius Tooth Belt, SBC 97151 Radius Tooth Belt, BBC	All necessary spacers & hardware included for each Mounting Kit!
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ALTERNATOR AND VACUUM PUMP MOUNTING KITS

ALTERNATOR AND VACUUM PUMP MOUNTING KITS

For BBC Chevy with Moroso Enhanced Vacuum Pumps & 130mm style alternators

Patent No. D600,720

- Two mounts are incorporated into one billet aluminum frame with belt adjustment for alternator and vacuum pump
- Bracket kit was designed to mount full size 130 mm Alternators such as East Coast 2007, 2008 & 2009 series, also fits CS121 style Alternators and Moroso Part Nos. 22642, 22644, 22840 or 22842 Enhanced Design Vacuum Pumps
- Mounts Alternator on driver's side and Vacuum Pump on passenger's side while clearing the electric water pump
- · Works with most styles of drive mandrel kits
- Includes all spacers and hardware

	•
PART #	DESCRIPTION
63865	Alternator/Vacuum Pump Mounting Kit, Moroso Electric Water Pumps
	130mm style alternators, Moroso Enhanced Vacuum Pumps
63866	Alternator/Vacuum Pump Mounting Kit, BBC, CSR Electric Water
	Pumps the latest version of, which have a profiled silhouette and
	countersunk fasteners,130mm style alternators, Moroso Enhanced
	Vacuum Pumps
63867	Alternator/Vacuum Pump Mounting Kit, BBC, Meziere Electric Water
	Pumps, 130mm style alternators, Moroso Enhanced Vacuum Pumps





ALTERNATOR AND VACUUM PUMP MOUNTING KITS WITH TENSIONER

For BBC Chevy with Moroso Enhanced Vacuum Pumps & 130mm style alternators

Patent No. D600,720

- Two mounts are incorporated into one billet aluminum frame with belt adjustment for alternator and vacuum pump
- Bracket kit was designed to mount full size 130 mm Alternators such as East Coast 2007, 2008 & 2009 series, also fits CS121 style Alternators and Moroso Nos. 22642, 22644, 22840 or 22842 Enhanced Design Vacuum Pumps
- Unique tensioner system with heavy duty/high speed bearing reduces belt flap throughout rpm range
- Mounts Alternator on driver's side and Vacuum Pump on passenger's side while clearing the electric water pump
- Designed to work with Moroso Part No. 63844 and other 5" long drive mandrel kits
- Includes all spacers and hardware

63877

PART # DESCRIPTION 63875 Alternator/Vacuum Pump Mounting Kit with Tensioner, BBC, Moroso Electric Water Pumps, 130mm style alternators, Moroso Enhanced Vacuum Pumps 63876 Alternator/Vacuum Pump Mounting Kit with Tensioner, BBC, CSR Electric Water Pumps, (Latest CSR Electric Water Pumps have a profiled silhouette

& countersunk fasteners), 130mm style alternators, Moroso Enhanced Vacuum Pumps
Alternator/Vacuum Pump Mounting Kit with Tensioner, BBC, Meziere

Electric Water Pumps, 130mm style alternators, Moroso Enhanced Vacuum
Pumps



No. 63875



No. 63876

ALTERNATOR AND VACUUM PUMP MOUNTING KITS

ALTERNATOR AND VACUUM PUMP MOUNTING KITS

For Ford 289-302, 351W Patent No. D600,720

- Two mounts incorporated into one billet aluminum frame with belt adjustment for alternator and vacuum pump
- Thees bracket kits are designed to mount mini ND Style 93mm Alternators and Moroso No. 22642, No. 22644,
 No. 22840 or No. 22842 Enhanced Design Vacuum Pumps
- Mounts alternator on driver-side and vacuum pump on passenger-side, while clearing the electric water pump
- Works with most old and new style drive mandrel kits, with recommended pulleys (see options, above)

PART # DESCRIPTION

Alternator and Vacuum Pump Mounting Kit, Ford 289/302/351W, use with Meziere Electric Water Pumps and Moroso Enhanced Design Vacuum Pumps

Alternator and Vacuum Pump Mounting Kit, Ford 289/302/351W, use with Moroso Electric Water Pumps and Moroso Enhanced Design Vacuum Pumps

Alternator and Vacuum Pump Mounting Kit, Ford 289/302/351W, use with CSRTM Electric Water Pumps and Moroso Enhanced Design Vacuum Pumps



ALTERNATOR/VACUUM PUMP MOUNTING KIT

Fits: Ford 289, 302, 351W, CSR Electric Water Pumps (Latest Version)

Patent No. D600,720

- Fits the latest version of the CSR Ford 289, 302, 351W Electric Water Pumps which have a profiled silhouette and countersunk fasteners.
- For earlier design CSR Ford 289, 302, 351W Electric Water Pumps use Part No. 63823
- Two mounts are incorporated into one billet aluminum frame with belt adjustment for alternator and vacuum pump
- Bracket kit was designed to mount mini ND Style 93mm
 Alternators and Moroso Part Nos. 22642, 22644, 22840 or 22842
 Enhanced Design Vacuum Pumps

 PART #
- Mounts Alternator on driver's side and Vacuum Pump on passenger's side while clearing the electric water pump
- Works with most styles of drive mandrel kits
- Includes all spacers and hardware



DESCRIPTION

63824

Alternator/Vacuum Pump Mounting Kit, Ford 289, 302, 351W use with CSR Electric Water Pumps (Latest Version) and Moroso Enhanced Design Vacuum Pumps

ALTERNATOR MOUNTING KITS

GM DELCOTRON/CHEVY V8

90° V6-V8

- This bracket kit is designed to mount any GM Delcotron alternator to Small Block and 90° V6 Chevy with a short water pump (right side mount)
- Although designed primarily for Circle Track, this kit can be used in many other applications where a compact, rugged alternator mount is needed
- Use with Moroso Alternator Pulley No. 64800
- Early model heads need to be drilled and tapped

PART # DESCRIPTION

63825 Alternator Mount Kit, GM Delcotron



No. 63825 (typical installation)

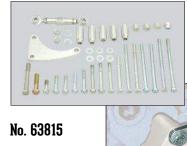
SMALL BLOCK CHRYSLER

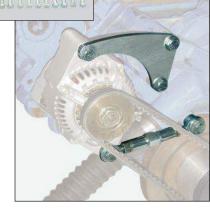
- This kit enables the racer/enthusiast to mount either a 93mm or 115mm Nipondenso alternator to a Chrysler "A" series engine, (318, 340 & 360) in as many as fourteen different configurations
- Fits with stock mechanical water pumps and Moroso electric water pumps
- Mounts alternator to either side of engine
- Enables the use of lighter weight alternators
- Adjustable turnbuckle makes for easy and accurate belt tension adjustments
- Use with Moroso Drive Kit No. 63848
- Kit Includes all mounting hardware

PART # DESCRIPTION

63815 Billet Aluminum Alternator Mounting Bracket,

Small Block Chrysler





SMALL BLOCK FORD

- Will mount standard Ford or ND-style alternator on either side of engine
- Fits with mechanical and electric water pumps from all major manufacturers with V-belt pulley systems
- Provides an alternative to running the stock serpentine belt
- Use with Moroso Drive Kit No. 63846
- Kit Includes all mounting hardware

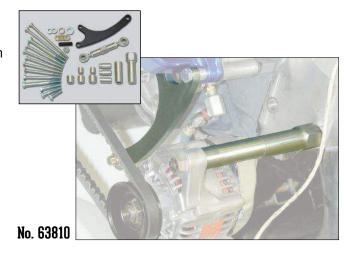
PART # DESCRIPTION

63810 Aluminum Alternator Mounting Bracket, Small

Block Ford

PART # AVAILABLE OPTIONS

23523 4" O.D. Mandrel Pulley, V-Belt



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ALTERNATOR MOUNT AND DRIVE KITS

Moroso has engineered Alternator Mount Kits and Alternator Drive Kits for popular engines using an electric water pump or electric water pump drive kit. The Drive Kits work with or without crank triggers or engine plates.

- Alternator Mount Kits include all hardware needed to mount old-style Delco alternators to the driver's side of the engine
- Alternator Drive Kits are crankshaft-mounted and designed with spacers that can be replaced with pulleys to drive other accessories such as external oil pumps and vacuum pumps



PART # DESCRIPTION

63842 Alternator Mount Kit, SBC

63843 Alternator Drive Kit, SBC, use No. 97170 Gilmer Drive

Pulley if external oil pump is used. Comes complete

with all spacers and hardware

RECOMMENDED USAGE WITH

PART # DESCRIPTION

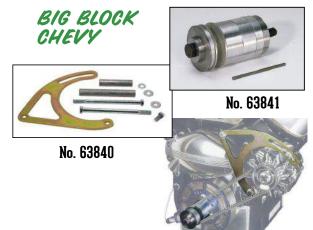
63750 Universal Electric Water Pump Drive Kit

63500, **63505** SBC Aluminum Water Pumps

63539, **63546**, Electric Water Pumps

63555, 63557 Additional Part

23523 4" Crank Pulley



PART # DESCRIPTION

63840 Alternator Mount Kit, Big Block Chevy with early style

Delco alternator

63841 Alternator Drive Kit, Big Block Chevy, use No. 97170

Gilmer Drive Pulley if external oil pump is used. Comes complete with all spacers and hardware.

RECOMMENDED USAGE WITH

PART # DESCRIPTION

63750 Universal Electric Water Pump Drive Kit

63546, **63547** Electric Water Pumps

ADDITIONAL PART

23523 4" Crank Pulley

POWER STEERING PUMP MOUNT

SMALL BLOCK CHEVY

Early Model GM Pump

- This kit mounts an early-style GM Power Steering Pump (with integral reservoir removed) or a Lee, Profile or Cavalier racing power steering pump to the driver's side head of a Small Block Chevy
- Manufactured from 3/8" 6061-T6 aluminum, anodized
- Can be shimmed to align any pulley combination
- Comes complete with all necessary fasteners

PART # DESCRIPTION

63895 Power Steering Pump Mounting Bracket, Small Block Chevy, Early-Style GM Pump

SMALL BLOCK CHEVY

Late Model GM Pump With 18° or 23° Cylinder Head

- This kit mounts a late-model, small-style GM power steering pump (with remote reservoir) or Sweet-type pumps to the driver's side cylinder head of a Small Block Chevy. Use with Moroso Pump Pulley No. 64860
- Manufactured from 3/8" 6061-T6 aluminum, anodized
- Comes complete with all necessary spacers and hardware

PART # DESCRIPTION

63897 Power Steering Pump Mounting Bracket, SBC, Late Model GM Pump





No. 63897

OIL PUMP & VACUUM PUMP DRIVE KITS AND PULLEYS

VACUUM PUMP. DRY SUMP PUMP DRIVE KITS

Big and Small Block Chevy

- Extra long to accommodate any combination
- Steel, self-centering mandrel bolts directly to harmonic balancer for dead-accurate concentricity
- Pulleys are 6061-T6 aluminum and hard coat anodized for exceptional strength and extended service life
- Includes: 2 ½" V-belt pulley for vacuum pump, 1" (16-tooth) Gilmer pulley for external oil pump, guide plates, assorted spacers, belt guides & hardware
- For optimum accessory speed, use with Moroso Dry Sump Gilmer Pulleys, and Vacuum Pump V-Belt Pulley No. 64885

PART #	DESCRIPTION
63844	Vacuum Pump, Dry Sump Pump Kit, BBC, uses 5" mandrel length
63845	Vacuum Pump, Dry Sump Pump Kit, SBC, uses 4.75" mandrel length
PART #	REPLACEMENT PARTS
23528	Pulley, Gilmer Drive, 28-Tooth
23532	Pulley, Gilmer Drive, 32-Tooth
97170	Pulley, Gilmer Drive Crankshaft, 16-Tooth
PART #	AVAILABLE OPTIONS
23523	4" O.D. Mandrel Pulley, V-Belt





VACUUM PUMP. DRY SUMP PUMP DRIVE KIT

Fits: Small Block Ford 302-351W with either three or four mounting bolts (3.30" bolt circle, 2.432" male register—will NOT fit 289)

- Hub mounted to harmonic balancer
- 6061-T6 Aluminum Pulleys are hard coat anodized for strength and extended service life
- Includes: 2 ½" V-belt pulley for vacuum pump, 1" (16-tooth) Gilmer pulley for external oil pump, guide plates, assorted spacers, belt guides and hardware

PART # DESCRIPTION

63846 Vacuum Pump, Dry Sump Pump Kit, 5.80" overall length (with spacer)

PART # AVAILABLE OPTION

23523 4" O.D. Mandrel Pulley, V-Belt



No. 63846

VACUUM PUMP. DRY SUMP PUMP DRIVE KIT

Big and Small Block Chrysler

- Pulleys are 6061-T6 aluminum and hard coat anodized and mandrel is black anodized for exceptional strength and extended service life
- Extra long to accommodate any combination
- 6-bolt self-centering aluminum hub fastens to balancer; steel mandrel mounts to hub and provides rigid pulley mounting
- Includes: Steel Mandrel, 4" V-belt pulley for alternator, 2 ½" V-belt pulley for vacuum pump, 1" (16-tooth) Gilmer pulley for external oil pump, guide plates, assorted spacers, belt guides and hardware

PART # DESCRIPTION

63848 Vacuum Pump, Dry Sump Pump Kit, 5.70" overall length



No. 63848

OIL PUMP AND VACUUM PUMP DRIVE KITS

OLITOTRO & WICCOTTTOTR DIEVE RETOTRO HOOL

Flange Style

- Bolts to balancer-balancer does not need to be drilled like older designs
- Pulleys are hard coat anodized and mandrel is black oxide for exceptional strength and extended service life
- Kits include: one-piece, forged steel drive mandrel, 4" V-belt pulley for alternator, 2 ½" V-belt pulley for vacuum pump, 1" (16 tooth) Gilmer pulley for external oil pump, guide plates, assorted spacers, belt guides and hardware

PART #	ENGINE APPLICATION	STYLE	MANDREL LENGTH MINUS FLANGE	REQUIRED BALANCER	LENGTH
63857*	Small Block Chevy	Short	2.990"	3-Bolt, 3.20" bolt circle**	3.380"
63859*	Small Block Chevy	Long	4.000"	3-Bolt, 3.20" bolt circle**	4.655"
63860	GM LS Series	Short	2.990"	Aftermarket, using BBC 3-Bolt, 3.20" bolt circle, 2.050" female register pattern	3.645"
63858	Big Block Chevy	Short	2.990"	3-Bolt, 3.20" bolt circle, 2.275" female register	3.645"
63849	Big Block Chevy	Long	4.000"	3-Bolt, 3.20" bolt circle, 2.275" female register	4.655"
63853	Small Block Ford	Short	3.500"	4-Bolt, 3.30" bolt circle, 2.382" male register	4.125"
63847	Big Block Ford, 429-460	Long	3.500"	4-Bolt, 3.30" bolt circle, 2.180" male register	5.285"

*For SBC 1/4" thick crank trigger wheels, use part No. 63861 Drive Mandrel Spacer Kit (see below)

^{**}Centers off of I.D. of Balancer, via supplied crankbolt washer



No. 63849



No. 63853



No. 63857



No. 63860

DRIVE MANDREL SPACER KIT

- For use with Moroso Nos. 63857 & 63859 drive mandrels
- Maintains register of mandrel when using a 1/4" thick crank trigger
- Comes with a 1/4" longer crankshaft bolt
- · Constructed out of stress-proof steel with a black oxide finish

PART # DESCRIPTION

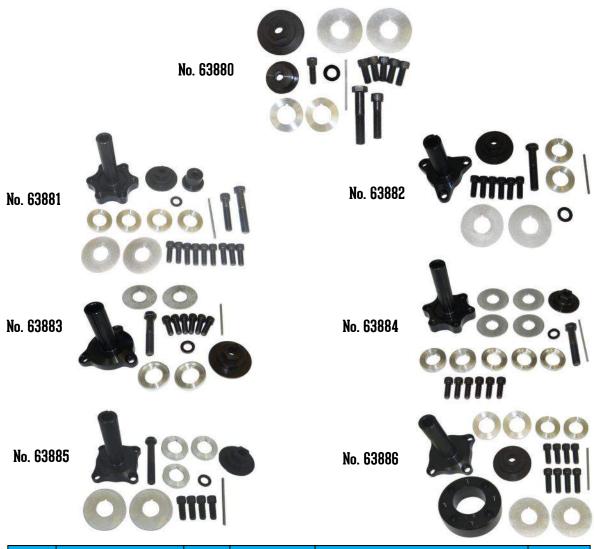
63861 Drive Mandrel Spacer Kit, SBC, for 1/4" Thick Crank Trigger Wheels



OIL PUMP AND VACUUM PUMP DRIVE MANDRELS

DRIVE MANDRELS. FLANGE STYLE

- Bolts to the balancer –balancer does not need to be drilled like older designs
- Using our optional pulleys, custom tailored drives can be created
- Includes one-piece, forged steel drive mandrel, guide plates, assorted spacers, belt guides and hardware



Part #	ENGINE APPLICATION	STYLE	MANDREL LENGTH MINUS FLANGE	REQUIRED BALANCER	LENGTH
63880*	Small Block Chevy	Short	2.990"	3-Bolt, 3.20" bolt circle**	3.380"
63881	Small Block Chevy	Long	4.000"	3-Bolt, 3.20" bolt circle**	4.655"
63882	GM LS Series	Short	2.990"	Aftermarket, using BBC 3-Bolt, 3.20" bolt circle, 2.050" female register pattern	3.645"
63883	Big Block Chevy	Short	2.990"	3-Bolt, 3.20" bolt circle, 2.275" female register	3.645"
63884	Big Block Chevy	Long	4.000"	3-Bolt, 3.20" bolt circle, 2.275" female register	4.655"
63885	Small Block Ford	Short	3.500"	4-Bolt, 3.30" bolt circle, 2.382" male register	4.125"
63886	Big Block Ford, 429-460	Long	3.500"	4-Bolt, 3.30" bolt circle, 2.180" male register	5.285"

^{*}For SBC 1/4" thick crank trigger wheels, use part No. 63861 Drive Mandrel Spacer Kit, page 170)

^{**}Centers off of I.D. of Balancer, via supplied crankbolt washer

REPLACEMENT PARTS FOR DRY SUMP DRIVE KITS

With Crank-Driven Power Steering

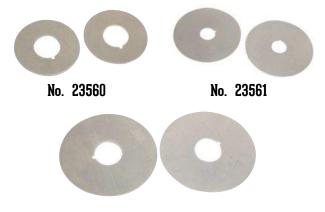
PART # **DESCRIPTION** 97110 Gilmer Drive Belt - 22.5" long 97120 Gilmer Drive Belt - 24.0" long 97130 Gilmer Drive Belt - 25.5" long Gilmer Drive Belt - 27.0" long 97140 23528 Gilmer Drive Pump Pulley - 28-tooth. For Nos. 23600, 23610, 23620, 23630, 23660, 23670 and 23672 23532 Gilmer Drive Pump Pulley - 32-tooth 97170 Gilmer Drive Crankshaft Pulley - 16-tooth. For Nos. 23600, 23610, 23620, 23630, 23660, 23670 and 23672 23520 V-Belt Crankshaft Pulley - 2.5" long 23523 V-Belt Crankshaft Pulley - 4" long

BELT GUIDES

- Made from 6061-T6 Aluminum
- .062 thick with 1.00 hole in center and provision for ½" keyway
- 2 per package

PART #	DESCRIPTION
I AII II	DESCRIE FICH

23560 Belt Guide, 2.50" Diameter
 23561 Belt Guide, 3.50" Diameter
 23562 Belt Guide, 4.50" Diameter



No. 23562

CRANK PULLEY SHIM KIT

Fits: Small and Big Block Chevrolet engines

• Includes 3 shims per pack, 1/16", 1/8" and 3/16"

PART # DESCRIPTION 64031 Crank Pulley Shim Kit



UNIVERSAL WATER PUMP PULLEY SHIM KIT

Fits: All GM and Ford water pumps with either a 3/4" or 5/8" shaft

- Kit provides proper drive belt alignment with water pump
- Shims are installed between the water pump pulley and drive flange
- Kit contains two 1/16" spacers and one 1/8" spacer

PART # DESCRIPTION
64035 Universal Aluminum

Water Pump Pulley Shim Kit



OEM CRANKSHAFT PULLEY REINFORCEMENT PLATE

Fits: Chevrolet V8 and 90° V6 with OEM crank pulley (GM #3858533), also fits some inline Chevy 6's.

- Strengthens stock GM crank pulleys
- Precision stamped from 6061-T6 aluminum and black anodized

PART # DESCRIPTION

64030 Crankshaft Pulley Reinforcement Plate



No. 64030

PULLEYS & ACCESSORIES

CRANKSHAFT PULLEYS, CAST ALUMINUM

V-Belt Design

- Precision machined from high grade, lightweight aluminum castings
- Extra-deep belt grooves provide added belt retention during rapid changes in engine RPM
- Small pulley diameter slows fan, water pump, and alternator speed to reduce horsepower-robbing drag
- High RPM water pump operation is improved, reducing impeller speed below cavitation threshold
- Use 36° x 17/32" wide belt

PART #	DESCRIPTION
64050	Crankshaft Pulley, single groove, 30% reduction, 5.25" O.D.
	Fits: SBC, 1968-earlier (with short water pump)
64060	Crankshaft Pulley, double groove, 25% reduction, 5.40" O.D.
	Fits: SBC, 1968-earlier (with short water pump)
64070	Crankshaft Pulley, single groove, 50% reduction, 4.00" O.D.
	Fits: SBC, 1968-earlier (with short water pump)
64100	Crankshaft Pulley, single groove, 50% reduction, 4.00" O.D.
	Fits: SBC, 1969-later (with long water pump)
64110	Crankshaft Pulley, double groove, 50% reduction, 4.04" O.D.
	Fits: SBC and 90° V6 Chevys, 1969-later (with long water pump)
64120	Crankshaft Pulley, single groove, 30% reduction, 4.95" O.D.
	Fits: Chevrolet 302-350, 1969 and later (with long water pump)
64200	Crankshaft Pulley, single groove, 30% reduction, 5.25" O.D.
	Fits: Chevrolet 396-454, pre-1969 (with short water pump)
64210	Crankshaft Pulley, double groove, 25% reduction, 5.40" O.D.
	Fits: Chevrolet 396-454, pre-1969 (with short water pump)
64550	Crankshaft Pulley, double groove, 4" dia., fits all 4 bolt dampeners, reduc-
	tion ratio varies, 4.00" O.D.
	Fits: Ford 351-400 Cleveland, Boss 302
64700	Crankshaft Pulley, single groove, with standard dampener, 30% reduction,
	5.00" O.D.







No. 64050

No. 64060





No. 64070

No. 64100





No. 64110

No. 64210

ALTERNATOR PULLEY, CAST ALUMINUM

V-Belt Design

- Large diameter reduces alternator speed for high engine RPM applications
- Machined from high grade, lightweight aluminum to reduce alternator bearing loads
- Deep groove helps retain V-belt at high RPM

Fits: Chrysler 340-440, pre-1972

• Uses 36° x 17/32" V-belts

PART # DESCRIPTION

64800 Alternator Pulley, single groove V-belt. 5.00" O.D.

Fits: For GM and Ford Alternators with 21/32" dia. shaft



No. 64800

CRANKSHAFT PULLEYS. BILLET ALUMINUM

V-Belt Design

- Machined from the highest grade aircraft billet aluminum for maximum durability
- Deep precision machined grooves ensure belt retention even during extreme changes in engine RPM
- When crankshaft and water pump pulleys are used together, water pump speed is reduced by approximately 30%
- Hard-coat anodized for extended life
- Uses 36° x 17/32" wide belt

PART # DESCRIPTION

64051	Crankshaft Pulley, Billet, single groove, 30% reduction, 5.25" O.D.
	Fits: SBC, 1968-earlier (with short water pump)
64111	Crankshaft Pulley, Billet, double groove, 50% reduction, 4.04" O.D.
	Fits: SBC and 90° V6 Chevys, 1969-later (with long water pump)
64201	Crankshaft Pulley, Billet. single groove, 30% reduction, 5.25" O.D.
	Fits: BBC, 1968-earlier (with short water pump)
64211	Crankshaft Pulley, Billet. double groove, 25% reduction, 5.40" O.D.
	Fits: BBC, 1968-earlier (with short water pump)
64551	Crankshaft Pulley, Billet, double groove, 4" dia. fits all 4-bolt dampeners,
	reduction ratio varies, 4.00" O.D.



CRANKSHAFT PULLEY, BILLET ALUMINUM

V-Belt Design

- Ideal for driving alternators and/or vacuum pumps at optimum speed
- Fits any 1" dia. crank-driven mandrel with 1/8" x 1/8" keyway

Fits: Ford 351-400 Cleveland, Boss 302

- CNC machined from billet aluminum with hard-coat anodized finish
- May be used with Moroso Vacuum Pumps Nos. 22640, 22641, 22642, 22644, 22840, 22842, 22843 and Vacuum Pump Pulley No. 64885



23520 2.5" V-Belt Crankshaft Pulley23523 4" V-Belt Crankshaft Pulley



No. 64201





No. 64211

No. 23520

POWER STEERING PULLEY, BILLET ALUMINUM

V-Belt Design

Fits: Late model GM pumps

- Designed for Oval Track and Road Race applications using the late model, small GM power steering pump with remote reservoir
- 6" diameter, hard-coat anodized billet aluminum
- Deep-grooved to ensure belt retention under extreme racing conditions
- Can be used as replacement pulley for Sweet-type pumps
- Use with 36° x ½" wide belt

PART # DESCRIPTION 64860 Power Steering Pulley



No. 64860

DRIVE KITS AND DULLEYS

ALTERNATOR PULLEY. BILLET ALUMINUM

V-Belt Design

- · Machined from the highest grade aircraft billet aluminum for maximum durability
- Deep precision machined grooves ensure belt retention even during extreme changes in engine RPM

PULLEYS & ACCESSORIES

- When crankshaft and water pump pulleys are used together, water pump speed is reduced by approximately 30%
- · Hard-coat anodized for extended life

PART # DESCRIPTION

64870 Billet Aluminum Alternator Pulley. Single groove, 5" O.D. Use 36° x ½" wide belt

Fits: GM and Ford Alternators with 21/32" dia. shaft

VACUUM PUMP DESIGN. BILLET ALUMINUM

V-Belt Design

- Fits Moroso Racing Vacuum Pumps or similar "smog" pumps that use OE-style, 3-bolt mounting pattern
- Precision machined from the highest grade aircraft aluminum and hard-coat anodized for extended service life
- Deep V-groove ensures belt retention under all racing conditions
- Machined with six holes to reduce weight
- 5" diameter pulley uses stock (3-bolt) mounting pattern with 1.16" bolt circle
- Use with Moroso Vacuum Pump Nos. 22640, 22641, 22642, 22644, 22840, 22842 and 22843

PART # DESCRIPTION

64885 Vacuum Pump V-Belt Pulley



No. 64885

VACUUM PUMP PULLEY, OFFSET, BILLET ALUMINUM

V-Belt Design

- Allows Moroso Vacuum Pumps to be installed in cars with minimal drive mandrel space
- · Hard coat anodized
- Offset 1/8", 5" diameter pulley uses stock (3-bolt) mounting pattern with 1.16" bolt circle
- Use with Moroso Vacuum Pump Nos. 22640, 22641, 22642, 22644, 22840, 22842 and 22843

PART # DESCRIPTION

64887 Vacuum Pump Pulley, Offset



No. 64887

CRANKSHAFT PULLEYS

Gilmer Style

- 3/8" pitch pulley fits 1" diameter keyed drive mandrels
- Machined from billet aluminum for unmatched precision
- · Anodized for extended durability

97170 Crankshaft Pulley, Gilmer Style, %" Pitch, 1" Wide, 16-teeth
97171 Crankshaft Pulley, Gilmer Style, %" Pitch, 1" Wide, 18-teeth
97172 Crankshaft Pulley, Gilmer Style, %" Pitch, 1/2" Wide, 18-teeth



No. 97170

DRY SUMP PUMP PULLEYS

Gilmer Style

- Machined from billet aluminum for unmatched precision
- · Hard-coat anodized for extended durability
- ¾" pitch pulleys fit ¾" diameter shafts
- Use with Moroso Gilmer Drive Pulleys to suit desired drive ratio
- Compatible with ¾" pitch gilmer tooth drive pulleys and belts manufactured by Moroso and others
- · Includes key and 4 set screws to lock pulley to the shaft



23528 Dry Sump Pump Pulley, Gilmer Style, 28-teeth23532 Dry Sump Pump Pulley, Gilmer Style, 32-teeth



No. 23532

VACUUM PUMP PULLEY

Gilmer Type, 28 Tooth

- Fits Moroso Racing Vacuum Pumps or similar "smog" pumps that use OE-style, 3-bolt mounting pattern; accepts standard gilmer belts with 3/4" width or less
- Precision machined from aircraft-quality aluminum with hard-coat anodized finish for extended service life and features direct, bolt-on installation
- Use with Moroso 3- or 4-Vane Racing Vacuum Pump Nos. 22640, 22641, 22642, 22643, 22644, 22840, 22842, 22843 and interchangeable drive components

PART # DESCRIPTION

64886 Vacuum Pump Pulley, Gilmer Type, 28 Tooth

PART # AVAILABLE OPTIONS 97172 Crankshaft Pulley



No. 64886

VACUUM PUMP PULLEY

Gilmer Type, 36 Tooth

- Fits Moroso Racing Vacuum Pumps or similar "smog" pumps that use OE-style, 3-bolt mounting pattern; accepts standard Gilmer belts with ½" width or less
- Precision machined from aircraft-quality aluminum and features direct, bolt-on installation
- Use with Moroso 3- or 4-Vane Vacuum Pump Nos. 22640, 22641, 22642, 22643, 22644, 22840, 22842 and interchangeable drive components

PART # DESCRIPTION

64888 Vacuum Pump Pulley, Gilmer Type, 36 Tooth

PART # AVAILABLE OPTIONS 97172 Crankshaft Pulley



No. 64888

PULLEYS & ACCESSORIES

RADIUS TOOTH DRY SUMP PUMP PULLEYS AND DRIVE PULLEYS

Moroso black anodized Radius Tooth Pump Pulleys are designed to work more efficiently and take less power to drive your dry sump pump. These Pulleys are made to use a 1.00" wide drive belt, and with a wide variety of sizes, most drive ratios you may need are achievable. All dry sump pulleys are made to accept a %" shaft, and come with 4 set screws to lock the pulley to the shaft. Moroso Radius Tooth Pump Pulleys are designed with the same 8mm tooth technology, and will add to the efficiency of the entire round tooth drive combination.

DRY SUMP PUMP PULLEY CHART

PUMP PULLEY	NO. OF TEETH	DRIVE PULLEY	NO. OF TEETH	DRIVE RATIO
POLLEY PART #	IEEIN	POLLEY PART #	IEEIN	RAIIU
23544	30	23541	20	67%
	30	23542	22	73%
	30	23543	24	80%
23545	32	23541	20	63%
	32	23542	22	69%
	32	23543	24	75%
23546	34	23541	20	59%
	34	23542	22	65%
	34	23543	24	71%
23547	36	23541	20	56%
	36	23542	22	61%
	36	23543	24	67%
23548	40	23541	20	50%
	40	23542	22	55%
	40	23543	24	60%

Available in sizes that will not only give you the ratio you want, but will adjust the centerline measurement between your pump and crankshaft center. This will help in tight fitting conditions while allowing you to have the correct drive ratio. Moroso drive pulleys fit any 1.00" mandrel with a ½" keyway slot.





No. 23541

RADIUS TOOTH VACUUM PUMP PULLEYS AND DRIVE PULLEYS

Black Anodized

Moroso Radius Tooth Vacuum Pump Pulleys are designed to work more efficiently and take less power to drive your vacuum pump. Moroso Radius Tooth Vacuum Pump Pulleys are made to use a .500" wide drive belt, and with a wide variety of drive pulley sizes, most drive ratios you may need are achievable. This pulley is made to accept a ½" shaft, 3-hole OEM design.

Moroso Radius Tooth Drive Pulleys are designed with the latest 8mm tooth technology, and will add to the efficiency of the entire round tooth drive combination. Available in sizes that will not only give you the ratio you want, but will adjust the centerline measurement between your pump and crankshaft center. Moroso Drive Pulleys fit any 1.00" mandrel with a 1/8" keyway slot.

VACUUM PUMP PULLEY RATIO CHART

DRIVE PULLEY	NO. OF	PUMP PULLEY	NO. OF	DRIVE
PART #	TEETH	PART #	TEETH	RATIO
23533	20	23540	40	50%
23534	22	23540	40	55%
23535	24	23540	40	60%
23537	28	23540	40	70%
23538	30	23540	40	75%
23539	32	23540	40	80%





No. 23533

No. 23540

RADIUS TOOTH ALTERNATOR PULLEY

Moroso Radius Tooth Alternator Pulley is designed to work more efficiently and take less power to drive. Moroso Radius Tooth Alternator Pulley is made to use a .500" wide drive belt, and with a wide variety of drive pulley sizes, any drive ratio you may need is achievable. This pulley is made to accept a .590" diameter shaft alternator.

ALTERNATOR PULLEY CHART

ALT. PULLEY PART #	NO. OF TEETH	DRIVE PULLEY PART #	NO. OF TEETH	DRIVE RATIO
23556	20	23558	40	200%



No. 23556

RADIUS TOOTH BELTS

Fits: Radius Tooth Pulleys with 8mm Pitch

- Provides higher power and torque transmission, improved meshing to reduce tooth jump, greater resistance to tooth shear and reduced friction to extend belt life



No. 97115

- Fiberglass cord is wound across the entire width of the belt to minimize stretching
- Belt body is manufactured from a synthetic neoprene compound that resists heat, oils, ozone and aging
- Tough nylon fabric is bonded to the tooth surface for greater wear resistance

PART #	DESCRIPTION	LENGTH X WIDTH (MM)	TEETH
97105	Radius Tooth Belt	21"x 1" (533 x 25.4)	67
97115	Radius Tooth Belt	22" x 1" (559 x 25.4)	70
97125	Radius Tooth Belt	23.6" x 1" (599 x 25.4)	75
97135	Radius Tooth Belt	25.2" x 1" (641 x 25.4)	80
97136	Radius Tooth Belt	25.8" x 1" (655 x 25.4)	82
97138	Radius Tooth Belt	26.8" x 1" (681 x 25.4)	85

GILMER DRIVE BELTS

- For Moroso Dry Sump Pump setups
- Will also work with other manufacturers' %" pitch Gilmer Drive setups

PART # 97110 97120 97130 97140	DESCRIPTION Gilmer Drive Belt Gilmer Drive Belt Gilmer Drive Belt Gilmer Drive Belt	LENGTH X WIDTH (MM) 22.5" x 1" (572 x 25.4) 24" x 1" (610 x 25.4) 25.5" x 1" (648 x 25.4) 27" x 1" (686 x 25.4)	TEETH 60 64 68 72
97113	Gilmer Drive Belt	22.5" long x ½" wide	60
97123	Gilmer Drive Belt	24" long x ½" wide	64
97133	Gilmer Drive Belt	25.5" long x ½" wide	68
97143	Gilmer Drive Belt	27" long x ½" wide	72

RADIUS TOOTH BELTS

Fits: Radius Tooth Pulleys with 8mm Pitch

- Thin Series Belts for Moroso Vacuum Pump and Alternator Pulleys
- Fits ½" wide or greater pulleys
- Strong and lightweight with less belt stretch
- Provides lower tension with positive engagement and no slippage

PART #	DESCRIPTION	LENGTH X WIDTH (MM)	TEETH
97141	Radius Tooth Belt	23.3" x ½" (592 x 12.7)	74
97142	Radius Tooth Belt	23.9" x ½" (608 x 12.7)	78
97144	Radius Tooth Belt	25.2" x ½" (640 x 12.7)	80
97146	Radius Tooth Belt	26.5" x ½" (672 x 12.7)	83
97147	Radius Tooth Belt	26.8" x ½" (680 x 12.7)	85
97149	Radius Tooth Belt	28.3" x ½" (720 x 12.7)	90
97151	Radius Tooth Belt	29.9" x ½" (760 x 12.7)	97
97152	Radius Tooth Belt	30.6" x ½" (776 x 12.7)	99
97154	Radius Tooth Belt	31.5" x ½" (800 x 12.7)	100
97156	Radius Tooth Belt	33.1" x ½" (840 x 12.7)	105
97157	Radius Tooth Belt	33.7" x ½" (856 x 12.7)	106
97159	Radius Tooth Belt	34.7" x ½" (880 x 12.7)	110
97164	Radius Tooth Belt	37.8" x ½" (960 x 12.7)	120



REPLACEMENT PARTS FOR DRY SUMP DRIVE KITS

With Crank-Driven Power Steering

PART #	DESCRIPTION
97110	Gilmer Drive Belt - 22.5" long
97120	Gilmer Drive Belt - 24.0" long
97130	Gilmer Drive Belt - 25.5" long
97140	Gilmer Drive Belt - 27.0" long
23528	Gilmer Drive Pump Pulley - 28-tooth. For Nos. 23600 , 23610 , 23620 , 23630 , 23660 , 23670 and 23672
23532	Gilmer Drive Pump Pulley - 32-tooth
97170	Gilmer Drive Crankshaft Pulley - 16-tooth. For Nos. 23600, 23610, 23620, 23630, 23660, 23670 and 23672
23520	V-Belt Crankshaft Pulley - 2.5" long
23523	V-Belt Crankshaft Pulley - 4" long

AIR/OIL SEPARATORS

UNIVERSAL FIT AIR-OIL SEPARATORS

AIR-OIL SEPARATOR TANK

Universal, Vacuum Pump, Fabricated

- Designed to be plumbed between the valve cover and the inlet side of the vacuum pump
- Features -12AN inlets and outlets and has a -6AN Drain
- Dimensions: 3-1/8" dia., 6-3/4" overall height

PART # DESCRIPTION 85471* Air-Oil Separator Tank

*Not legal for sale or use on pollution-controlled vehicles.



AIR-OIL SEPARATOR

Universal, Vacuum Pump

- Moroso Vacuum Pump Air-Oil Separator is designed to be plumbed between the valve cover and the inlet side of the vacuum pump
- Features internal baffling with mesh media for superior separation of air and oil
- Billet Aluminum body compliments any engine compartment and can be polished, chromed or powder coated for a custom look
- -12 AN inlet and outlet fittings for plumbing the Air-Oil Separator inline
- Includes a billet aluminum mounting clamp for the body of the air-oil separator, a stainless steel bracket for non-accessible behind the panel mount applications and an 0-ringed drain bung



85495 Air-Oil Separator, Universal,

-12 AN Fittings



No. 85495

AIR OIL SEPARATOR KIT

Universal

- Plumbed into a vehicle's PCV system to capture the excess crankcase vapors and the residual oil mist from re-entering the intake track
- Vehicles from the factory vent these excess crankcase vapors and residual oil right back into the intake manifold which could cause detonation and oil deposits to form in the intake track including the valves themselves
- Polished Billet Aluminum body compliments any engine compartment and can be chromed or powder coated for a custom look
- Includes 3/8" 90° inlet & outlet fittings, 36" of 3/8" rubber hose for plumbing the Air-Oil Separator inline, and a billet aluminum mounting clamp for the body of the Separator
- Features a bottom drain with elbow that makes draining the collected oil virtually mess-free



85474 Air-Oil Separator, Universal Fit

PART # REPLACEMENT PART

97200 Ball Valve, 3/8" Male and Female Ports



No. 85474

AIR/OIL SEPARATORS

AIR-OIL SEPARATOR

Universal, Small Body

- Moroso Air-Oil Separator is plumbed into a vehicle's PCV system and captures the excess crankcase vapors and the residual oil mist from re-entering the intake tract
- Vehicles from the factory vent these excess crankcase vapors and residual oil right back into the intake manifold which could cause detonation and oil deposits to form in the intake tract including the valves themselves
- Ethanol enriched fuels put off more moisture during the combustion process, the Moroso Air-Oil Separator is an excellent tool for collecting this extra moisture
- Billet Aluminum body is available either with raw or black anodized finish
- 4.5" tall by 3.75" (clamp installed) diameter body, fits in more places than our standard air-oil separators
- Supplied 3/8", 90° inlet & outlet fittings, 36" of 3/8" rubber hose and includes a billet aluminum mounting clamp
- Two piece body of the Air-Oil Separator unscrews for cleaning and draining

PART #	DESCRIPTION
85682	Air-Oil Separator, Small Body, Universal, Clear Bottom
85683	Air-Oil Separator, Small Body, Universal, Black Anodized Finish Upper, Clear Bottom
85496	Air-Oil Separator, Small Body, Raw Finish
85497	Air-Oil Separator, Small Body, Black Anodized Finish
PART #	REPLACEMENT PART
97301	Air/Oil Separator Small Body Replacement Clear Bottom



left No. 85497 right No. 85496



CUSTOM FIT AIR-OIL SEPARATORS

AIR/OIL SEPARATOR PCV DELETE KIT FOR SUBARU

From the factory, a vehicle's PCV system vents excess crankcase vapors, residual oil and moisture back into the intake manifold which compromises performance and durability

- Kit allows Air/Separators to work at greater efficiency at all rpm levels
- Enables full filtration of Blow By gases entering turbo inlet
- Kit is designed to work with all Moroso Air/Oil Separators for Subaru Applications
- Deletes O.E.M. PCV System including Intake Manifold PCV Inlet
- · Not for use on Emission Controlled Vehicles, off road use only

PART # DESCRIPTION

85699 Air/Oil Separator PCV Delete for Subaru



AIR/OIL SEPARATOR, CLEAR BOTTOM

- A replacement clear bottom for Moroso Nos. 85682 or 85683 and is an option if someone wants to change out their standard billet aluminum bottom on a Moroso Small Bodied kit
- Allows the user to see how much oil is collected without unscrewing the bottom of a Moroso small body Air/Oil Separator



97301 Air/Oil Separator Small Body Replacement Clear Bottom



No. 97301

AIR/OIL SEPARATORS

AIR-OIL SEPARATOR KITS

Fits: Custom Fit Applications

- Plumbed into a vehicle's PCV system to capture the excess crankcase vapors, residual oil mist and moisture from re-entering the intake tract
- Vehicles from the factory vent these excess crankcase vapors, residual oil mist and moisture right back into the intake
 manifold which could cause: detonation, oil deposits in the intake tract including the valves themselves, and decreased
 intercooler efficiency
- Increases engine performance from cleaner intake air
- Air-Oil Separators have billet aluminum bodies with internal baffling and mesh media
- Includes heavy duty brass inlet and outlet fittings, Fuel/Emission/PCV Vapor hose, stainless steel mounting bracket and billet aluminum mounting clamp for the body of the separator
- Some vehicle crankcase ventilation systems require that 2 Air-Oil Separator bodies be used to properly capture and ventilate the system



No. 85611

Moroso Air-Oil Separators are available in 2 sizes, not all kits are available with both size body, please see Air-Oil Separator Application Chart on the next page for more information

AIR-OIL SEPARATOR KITS, LARGE BODY

- The original size, 43% more capacity than the Small Body version
- Features a bottom drain with elbow that makes draining the collected oil virtually mess-free
- Polished body can be chromed, painted or powdered coated for a custom look

AIR-OIL SEPARATOR KITS, SMALL BODY

- Smaller size fits in more applications and some customers prefer the smaller size body
- Two piece body unscrews for draining
- Available with a polished or black anodized finish

PART #	REPLACEMENT PARTS	No. 97300
97300	Replacement Cap, Air-Oil Separator Large Body Drain, Black	
97301	Air/Oil Separator Small Body Replacement Clear Bottom	
65388	Air/Oil Sep, 3/8" To 1/2" Hose 90 Deg., Black	
65389	Air/Oil Sep, 3/8" To 1/2" Hose, Straight, Black	No. 65131 No. 65381 No. 65382
65131	Air/Oil Sep, 3/8" To 1/2" Hose, 90 Deg. Streamline, Black	
65381	Air/Oil Sep, 3/8" To 3/8" Hose, Straight, Black	
65382	Air/Oil Sep, 3/8" To 3/8" Hose, 90 Deg., Black	No. 65388 No. 65389

AIR/OIL SEPARATORS

AIR-OIL SEPARATOR CHART					
FITS:	# OF AIR-OIL SEPARATORS IN KIT	LARGE BODY PART #	POLISHED SMALL BODY PART #	BLACK ANODIZED SMALL BODY PART #	
BMW M3, 1995-1999	1	85499	85648	85649	
CADILLAC CTS V, 2008-2014	1	N/A	85602	85603	
CHEVY CAMARO SS, 2010-2015, ZL1, 2012-2015	1	85487	85652	85653	
CHEVY CAMARO SS WITH EDELBROCK SUPERCHARGER, 2010-2015	1	85493	85634	85635	
CHEVY CORVETTE NON Z06 2014-2017	1	85524	85686	85687	
CHEVY CORVETTE Z06 2006-2013	1	85521	85678	85679	
CHEVY CORVETTE, 1997-2004	1	85516	N/A	N/A	
CHEVY CORVETTE LT1/LT4, 1992-1996	1	N/A	85642	85643	
CHEVY/GM TRUCK, 1999-2013	1	85481	N/A	N/A	
CHRYSLER 300C 6.1, 2005-2010	1	85472	85612	85613	
CHRYSLER 300C 5.7 WITH AFTERMARKET INTAKE, 2005-2010	1	85472	85640	85641	
CHRYSLER 300C 5.7 WITH FACTORY INTAKE, 2005-2010	1	N/A	85632	85633	
DODGE CHALLENGER 6.1/6.4 NON HELLCAT, NON SHAKER HOOD 2008-2017	1	85472	85612	85613	
DODGE CHALLENGER 5.7 WITH AFTERMARKET INTAKE, 2008-2012	1	85472	85640	85641	
DODGE CHALLENGER 5.7 WITH FACTORY INTAKE, 2008-2012	1	N/A	85632	85633	
DODGE CHARGER 6.1/6.4 NON HELLCAT, 2008-2015	1	85472	85612	85613	
DODGE CHARGER 5.7 WITH AFTERMARKET INTAKE, 2006-2010	1	85472	85640	85641	
DODGE CHARGER 5.7 WITH FACTORY INTAKE, 2006-2010	1	N/A	85632	85633	
DODGE MAGNUM 6.1, 2005-2008	1	85472	85612	85613	
DODGE MAGNUM 5.7 WITH AFTERMARKET INTAKE, 2005-2008	1	85472	85640	85641	
DODGE MAGNUM 5.7 WITH FACTORY INTAKE, 2005-2008	1	N/A	85632	85633	
DODGE RAM TRUCK 1500 5.7, 2009-2014	1	85479	N/A	N/A	
FORD FOCUS ST, 2013-2017	1	N/A	85664	85665	

NEW FOR 2017



BMW M3, 1995-1999, Part No. 85499



Cadillac CTS V, 2008-2014, Part No. 85603



Chevy Corvette non Z06 2014-2017 Part No. 85524



Dodge Magnum, Charger, Challenger, Part No. 85613



Dodge Ram Truck 1500 2009-2014, Part No. 85479



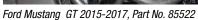
Ford Focus ST, 2013-2017, Part No. 85665

AIR/OIL SEPARATORS

AIR-OIL SEPARATOR CHART (CON'T) FITS:							
riio:	SEPARATORS IN KIT	PART #	SMALL BODY PART #	SMALL BODY PART #			
FORD MUSTANG GT, 2015-2017	1	85522	85680	85681			
FORD MUSTANG GT, 2011-2014	1	85485	85628	85629			
FORD MUSTANG GT WITH ROUSH SUPERCHARGER, 2011-2014	1	85491	85604	85605			
FORD MUSTANG SHELBY GT 500, 2007-2014	1	85478	85616	85617			
FORD MUSTANG V-6, 2011-2014	1	85498	85638	85639			
FORD MUSTANG GT, 2005-2010	1	85477	N/A	N/A			
FORD MUSTANG GT, 1996-2004	1	85486	N/A	N/A			
FORD MUSTANG GT/LX 5.0, 1987-1993	1	85514	85660	85661			
FORD MUSTANG ECOBOOST 2015-2017	1	85523	85684	85685			
FORD F-150 EC0B00ST 2011-14	1	85520	85676	85677			
FORD F-150, 5.4, 2004-2008	1	85513	N/A	N/A			
FORD RAPTOR TRUCK 6.2, 2010-2014	1	85492	85606	85607			
HUMMER H2, 2003-2009	1	85481	N/A	N/A			
JEEP JK, 3.6, 2012-2017	1	85518	85670	85671			
JEEP JK, 3.8, 2007-2011	1	85517	85668	85669			
JEEP SRT8, 2006-2010	1	85482	N/A	N/A			
LOTUS ELISE/EXIGE, 2005-2011	2	85494	85636	85637			
MAZDA MIATA, 1990-2005	1	85488	85600	85601			
MINI COOPER S/CLUBMAN S, 2007-2015	1	N/A	85608	85609			
MITSUBISHI EVO 10, 2008-2015	1	85483	N/A	N/A			
SUBARU BRZ, SCION FRS, 2012-2015	1	85515	85666	85667			
SUBARU STI, 2008-2014, TOP MOUNT INTERCOOLER	2	85510	85644	85645			
SUBARU STI, 2008-2014, FRONT MOUNT INTERCOOLER	2	N/A	85646	85647			
SUBARU WRX, 2008-2014	2	85489	85610	85611			
SUBARU WRX, 2006-2007, STI, 2004-2007 TOP MOUNT INTERCOOLER	2	85484	85626	85627			
SUBARU WRX, 2006-2007, STI, 2004-2007 FRONT MOUNT INTERCOOLER	2	N/A	85654	85655			
SUBARU WRX, 2015-UP	1	N/A	85672	85673			
TOYOTA TUNDRA, 2007-2014, 5.7 & TOYOTA SEQUOIA, 2008-2014	1	85511	85650	85651			
VOLKSWAGEN GOLF/JETTA, 2.0 T, 2010-2014	1	85519	85674	85675			
UNIVERSAL	1	85474	85496	85497			
UNIVERSAL, -12AN	1	85495	N/A	N/A			

NEW FOR 2017







Jeep JK 2012-2017, Part No. 85671



Mazda Miata, 1990-2005, Part No. 85488



Subaru WRX 2006-2007, STI 2004-2007 Top Mount Intercooler, Part No. 85484



Volkswagen Golf/Jetta 2010-2014 Part No. 85519



Universal Air-Separator installed on a custom Harley-Davidson

DRY SUMP TANKS & ACCESSORIES

DRY SUMP TANKS

- Tall design capacity: 6 quarts; short design capacity: 5 quarts
- Oil tanks without integral breathers and #12 breather fitting use
 Nos. 85465, 85466 or 85467 Overflow Breather Tanks
- Large diameter, billet aluminum, screw-on cap with 0-ring
- Body height: 13" Tank measures 11.1"; 15" Tank measures 12.9"
- Use Moroso Mount Nos. 22674, 22677, 22678 and 22679

SINGLE INLET DRY SUMP TANKS

SINGLE -16AN INLET WITHOUT BREATHER

PART #	DESCRIPTION
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22681* Dry Sump Tank, 13", 5 Quart, (1) -16AN. Oil tanks without integral breathers

and #12 breather fitting use **Nos. 85465** or **85466** Overflow Breather Tanks

22686* Dry Sump Tank, 15", 6 Quart, (1) -16AN. Oil tanks without integral breathers and #12 breather fitting use **Nos. 85465** or **85466** Overflow Breather Tanks

SINGLE -16AN INLET WITH BREATHER

PART # DESCRIPTION

22682* Dry Sump Tank, 13", 5 Quart, (1) -16AN with Integral Breather Tank 22687* Dry Sump Tank, 15", 6 Quart, (1) -16AN with Integral Breather Tank

TRIPLE INLET DRY SUMP TANKS

THREE -12AN INLETS WITHOUT BREATHER

PART # DESCRIPTION

22683* Dry Sump Tank, 13", 5 Quart, (3) -12AN. Oil tanks without integral breathers

and #12 breather fitting use Nos. 85465 or 85466 Overflow Breather Tanks

22688* Dry Sump Tank, 15", 6 Quart, (3) -12AN. Oil tanks without integral breathers

and #12 breather fitting use Nos. 85465 or 85466 Overflow Breather Tanks

THREE -12AN INLETS WITH BREATHER

PART # DESCRIPTION

22684* Dry Sump Tank, 13", 5 Quart, (3) -12AN with Integral Breather Tank

22689* Dry Sump Tank, 15", 6 Quart, (3) -12AN with Integral Breather Tank

*Not legal for sale or use on pollution-controlled vehicles

PART # AVAILABLE OPTIONS

22674 Dry Sump Tank Mount, 7" Diameter

22677 Straight Extended Tank Mount, 7" Diameter

22678 30° Angle Extended Tank Mount, 7" Diameter

22679 U-Weld-It Tank Mount, 7" Diameter

PART # REPLACEMENT PARTS

68815 Non-Hooded Breather

97571 Replacement lid with O-ring

97751 Replacement 0-ring



No. 22681/22686



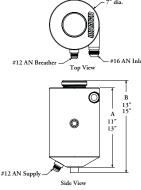
No. 22682/22687



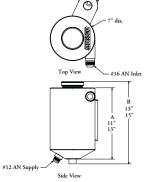
No. 22683/22688



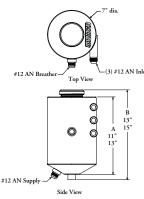
No. 22684/22689



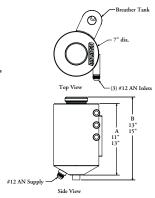
No. 22681/22686



No. 22682/22687



No. 22683/22688



No. 22684/22689

DRY SUMP TANKS & ACCESSORIES

DRAGSTER 6 QUART TWO-PIECE DRY SUMP TANK

- Tank body is 20" tall and 6" diameter with a six quart capacity
- -16AN inlet and -12AN outlet
- -12AN Breather tank fitting
- 0-ring drain bung
- Tank comes apart for ease of cleaning or inspection
- Top of tank can be clocked for plumbing routing
- Top and bottom of tank are joined together by billet aluminum 0-ringed sealing flanges
- Large diameter, billet aluminum, screw-on cap with 0-ring for positive sealing

PART # DESCRIPTION

22691* Dragster 6 Quart, Two-Piece Dry Sump Tank

PART # REPLACEMENT PARTS 97571 Replacement lid with 0-ring 97751 Replacement 0-ring









DRY SUMP TANK MOUNT KITS

Moroso offers aluminum Dry Sump Tank Mount Kits for all 7" diameter Moroso tanks. The kits include a .250" thick billet aluminum mounting flange to mount to any motor plate application. The rounded aluminum saddle ensures proper contact to the tank and along with the rubber strips, vibration is reduced to a minimum. The stainless steel clamps are sanctioning body legal, and will hold the tank securely to the mount

PART # DESCRIPTION

Straight Straight extended Tank Mount. Mount is 5.25" from flange mount to saddle base
 30° Angle 30 Degree extended Tank Mount. Mount is 5.25" from flange mount to saddle base
 U-Weld-It Tank Mount. Maximum mount length is 5.25" from flange mount to saddle base

DRY SUMP TANK MOUNT

- Fits 7" diameter Dry Sump Tanks
- · Billet aluminum base for strength
- · Includes stainless steel band clamp with interlocking rubber for cushioning
- Two per package

PART # DESCRIPTION

22674 Dry Sump Tank Mount, 7" diameter



BREATHER TANKS

FILTERED BREATHER

2" O.D. Tubes, Non-Hooded

- Provides maximum protection against dirt and airborne debris without restricting air flow
- Clamp on type, includes clamps (one per pack)
- Fits 2" O.D. tubes: is a replacement breather for Moroso Breather Tanks, Part Nos. 85400, 85402, 85404 & 85406
- Cleanable and re-usable: oil before use

PART # DESCRIPTION

68818* Filtered Breather, non-hooded style, clamp-on type. For Moroso Breather Tanks, 2" O.D.

*Not legal for sale or use on pollution-controlled vehicles.



No. 68818

BREATHER TANKS

Universal Tank

Mounting Brackets

on pg. 189

BREATHER TANKS. PLASTIC

Vacuum Pumps & Dry Sump Tanks

- · Black polyethylene for light weight
- 2" Breather filter mounted on top
- Four sizes of inlet fittings available
- Can be modified for additional fitting for dual vent hoses
- Works with Mounting Bracket Part No. 63401
- Dimensions: 3-1/8" Dia. 7.50" tank height without Breather, 10.50" with Breather



REPLACEMENT PARTS PART # Breather Tank. -10AN Fitting 97200 Ball Valve, 3/8" Male and Female Ports

85404* Breather Tank, -8AN Fitting 68818 Non-Hooded Breather 85406* Breather Tank, -6AN Fitting

*Not legal for sale or use on pollution-controlled vehicles.



No. 85400

BREATHER TANK

Vacuum Pumps & Dry Sump Tanks

- Remote breather tank is a perfect companion for Moroso's Racing Vacuum Pumps or Dry Sump Tanks
- Includes non-hooded, clamp-on style Filtered Breather that traps oil while allowing air to escape freely
- Petcock facilitates tank draining
- Dimensions: 3-1/8" diameter, 6-1/2" tank height (without filter), 11-1/2" overall height

PAKI#	DESCRIPTION		
85465*	Breather Tank, -12AN fitting, male		
85470*	Breather Tank, 3/8" NPT fitting,female	PART #	REPLACEMENT PARTS
85456*	Breather Tank, -6AN fitting, male	68815	Non-Hooded Breather
85458*	Breather Tank, -8AN fitting, male	68811	Half-Hooded Breather
85459*	Breather Tank, -10AN fitting, male	97200	Ball Valve. 3/8" Male and Female Ports
85475*	Breather Tank, -16AN fitting, male	07200	ban varvo, 78 maio ana i omaio i orto

*Not legal for sale or use on pollution-controlled vehicles.



No. 85465

BREATHER TANK

Superior air/oil separation performance for all engines

- A perfect companion for engines equipped with dry sump pumps, vacuum pumps or non-dry sump or non-vacuum pump equipped engines that historically have "pushed oil" with other breather tanks
- Features internal baffling with mesh media for superior separation of air and oil
- -12AN male side fitting and petcock facilitates tank draining
- Includes a panel mount, billet aluminum clamp that has two supplied 1/4" -20 mounting hardware
- Dimensions: 3-1/8" dia., 6-1/2" tank height (without filter), 11-1/2" overall height

PART# DESCRIPTION 85467* **Breather Tank** PART# REPLACEMENT PARTS 63403 Billet Aluminum Mounting Bracket, Universal

68815 Non-Hooded Breather

97200 Ball Valve, 3/8" Male and Female Ports *Not legal for sale or use on pollution-controlled vehicles. 68811 Half-Hooded Breather



No. 85500

No. 85467

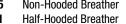
BREATHER TANK. BILLET

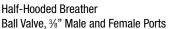
Dry Sump, Vacuum Pump Systems, Misc.

- All billet aluminum, lightweight tank features mounting strap to simplify installation
- Includes non-hooded, clamp-on-style Filtered Breather that traps oil while allowing air to escape freely
- Petcock facilitates tank draining
- Dimensions: 3" dia., 6-1/2" tank height (without filter), 11-1/2" overall height

DESCRIPTION PART# **REPLACEMENT PARTS** PART # 85500* **Billet Breather Tank** 68815 Non-Hooded Breather 68811

*Not legal for sale or use on pollution-controlled vehicles. 97200







BREATHER TANKS

BREATHER TANKS. MULTI-INLET

- Multi-inlet tank can collect from different sources to save on weight and plumbing complexity
- All aluminum, lightweight tank features mounting straps to simplify installation
- Includes non-hooded, clamp-on style Filtered Breather that traps oil while allowing air to escape freely
- Petcock facilitates tank draining
- Dimensions: 3-1/8" diameter, 6-1/2" tank height (without filter), 11-1/2" overall height

PART # DESCRIPTION

85469 Breather Tank, Two -12AN fitting, males 180° apart

85468 Breather Tank, Two -10AN fittings minutes

85473* Dry Sump Breather Tank, Two 3/8" NPT female bungs, 180° apart

PART # REPLACEMENT PARTS 68815 Non-Hooded Breather 68811 Half-Hooded Breather

97200 Ball Valve, 3/8" Male and Female Ports



No. 85469

BREATHER TANK. MULTI-INLET. 2.5 QUART

Vacuum/Dry Sump Pump etc.

- · Eliminates the need for two tanks
- Larger capacity 2.5 quart tank complete with dual -12AN fittings, allows hookup from Vacuum Pump and Dry Sump Pump
- All-aluminum, lightweight 3" x 17-1/2" (installed) tank includes mounting clamp to simplify installation
- Includes non-hooded, clamp-on-style Filtered Breather that traps oil while allowing air to escape freely
- Petcock facilitates tank draining

PART # DESCRIPTION 85466* Breather Tank,

Vacuum/Dry Sump Pump, 2.5 Quart

PART # REPLACEMENT PARTS

63401 Universal Tank Mounting Bracket, 3" to 3.25" dia.

68815 Non-Hooded Breather Half-Hooded Breather

97200 Ball Valve, 3/8" Male and Female Ports



No. 85466

FILLER/BREATHER TANK

- Provides remote filling capabilities and breathing capacity
- Mounted so that its bottom outlet, with 3/4" NPT female fitting, is higher than the inlet to the steering pump, rear axle housing, etc.
- The 3/8" NPT fitting located at the top of the tank can be used to connect a vent line to the rear axle housing for quicker filling or as a return line when the tank is used as a radiator catch can
- Dimensions: 8" length, 3-1/8" diameter, 1 qt. capacity

PART # DESCRIPTION

85450* Filler/Breather Tank, panel mount

PART # REPLACEMENT PART

97580 Cap

*Not legal for sale or use on pollution-controlled vehicles.



No. 85450

^{*}Not legal for sale or use on pollution-controlled vehicles.

^{*}Not legal for sale or use on pollution-controlled vehicles.

BREATHER TANKS

BREATHER TANKS. ROLL BAR MOUNT

Are available with several different side mounted fitting options for ease of plumbing

- Remote breather tank is a perfect companion for Vacuum Pumps. Dry Sump Tanks or Rear Ends
- Aluminum, lightweight tank features a roll bar/chassis tube mount to simplify installation
- Features internal baffling with mesh media for separation of air and oil
- Includes non-hooded, clamp—on style, filtered breather and a bottom petcock drain
- Dimensions: 3-1/4" diameter (without mount), 6-1/2" tank height, 11-1/2" overall height

PART # DESCRIPTION

85461* Breather Tank, Roll Bar Mount, -12AN Male 85462* Breather Tank, Roll Bar Mount, %" NPT Female

85463* Breather Tank, Roll Bar Mount, ½" NPT Female

PART # REPLACEMENT PART

97200 Ball Valve, 3/8" Male and Female Port



No. 85461

*Not legal for sale or use on pollution-controlled vehicles.

MULTI-INLET BREATHER TANK. ROLL BAR MOUNT

Fits: Breather Tank, Roll Bar Mount, 1/2" & 3/8" NPT

- Remote breather tank is a perfect companion for Vacuum Pumps, Dry Sump Tanks or Rear Ends
- Side mounted \%" female fitting and \(\frac{1}{2} \)" female fitting on roll bar mount side, that are 180 Degrees apart for ease of plumbing
- Aluminum, lightweight tank features a roll bar/chassis tube mount to simplify installation
- Features internal baffling with mesh media for separation of air and oil
- Includes non-hooded, clamp—on style, filtered breather and a bottom petcock drain
- Dimensions: 3-1/8" diameter (without mount), 6-1/2" tank height, 11-1/2" overall height

PART # DESCRIPTION

85464* Breather Tank, Roll Bar Mount, ½" & ¾ " NPT

PART # REPLACEMENT PART

97200 Ball Valve, %" Male and Female Ports



No. 85464

*Not legal for sale or use on pollution-controlled vehicles.

UNIVERSAL FIT AIR-OIL SEPARATORS

AIR-OIL SEPARATOR TANK

Use this tank as a remote Air/Oil Separator on Vacuum Pump Systems

- Designed to be plumbed between the valve cover and the inlet side of the vacuum pump
- Features -12AN inlets and outlets and has a -6AN Drain
- Dimensions: 3-3/8 " dia., 6-3/4" overall height

PART # DESCRIPTION

85471* Air-Oil Separator Tank

*Not legal for sale or use on pollution-controlled vehicles.



AIR-Oil Separators on pgs. 179-183



LOOKING FOR A CUSTOM TANK?

Moroso can custom build dry sump, breather, coolant, expansion, overflow and power steering tanks to your unique specifications. A Technical Representative is available to discuss options, finishes and pricing for your custom tank.

TRANSMISSION TANKS & ACCESSORIES

TRANSMISSION EXPANSION TANK

Billet Aluminum

- Both heavy duty and good looking-finish can be left as is, polished, powder coated or painted
- Meets requirements of 1-1/2 pint transmission NHRA overflow rule
- Prevents fluid mist from spraying on the race surface, behind your car and tires
- Pressurized fluid is captured in the Tank and will drain back into the transmission as it cools
- Includes breather and billet aluminum mounting bracket (also see No. 41222 below)
- Designed with an integral baffle

PART # DESCRIPTION

41221* Transmission Expansion Tank, Billet Aluminum, 2.75" O.D., 2.715" I.D. x 7.050" long

PART # REPLACEMENT PARTS 68791 Clamp on breather

*Not legal for sale or use on pollution-controlled vehicles.



No. 41221

TRANSMISSION EXPANSION TANK MOUNTING BRACKET

- Mounts tank to rear engine dragsters with GM transmissions;
- Compact and made from billet aluminum for strength and durability
- Bracket allows tanks to be mounted on either side of transmission
- Can be used with Moroso Part Nos. 41221, 85500, 85505 with GM Transmissions

PART # DESCRIPTION

41222 Transmission Expansion Tank Mounting Bracket, Billet Aluminum



UNIVERSAL FIT BRACKETS

UNIVERSAL TANK MOUNTING BRACKETS

- No. 63401 fits all 3" to 3.25" diameter tanks, including Moroso Overflow Tank No. 63657
- No. 63402 fits all tanks with a 2.44" to 2.69" diameter
- Manufactured from a one-piece, zinc plated steel bracket with 11/32" mounting holes and a sliding, stainless steel T-Bolt clamp
- Features a locking nut to prevent loosening and a quick disconnect strap
- Meets the requirements of all sanctioning bodies

PART # DESCRIPTION

63401 Universal Tank Mounting Bracket. 3" to 3.25" dia.

PART # DESCRIPTION

63402 Universal Tank Mounting Bracket. 2.44" to 2.69" dia



No. 63401

BILLET ALUMINUM MOUNTING BRACKET

Universal

Fits: All 3-1/8" diameter tanks such as Moroso Nos. 63660, 85400, 85402, 85404, 85406, 85450, 85465, 85466, 85467, 85470, 85471, 85473

- Manufactured from Billet Aluminum
- Back of Bracket has two panel mounting holes for the supplied 1/4" -20 mounting hardware

PART # DESCRIPTION

63403 Billet Aluminum Mounting Bracket, Universal



No. 63403

POWER STEERING TANKS

POWER STEERING TANKS

Fits: Universal Panel Mount

• Fabricated of aluminum for strength – can be polished, chromed, powder coated or left as-is for a race look

- Built in bracket allows convenient mounting on a panel
- -6 AN inlet and -10AN outlet with an internal baffle
- Includes a heavy duty vented screw on cap

DESCRIPTION PART #

63506 Power Steering Tank, Universal Panel Mount, Inlet left side 63507 Power Steering Tank, Universal Panel Mount, Inlet right side





No. 63506

No. 63507

RADIATOR RECOVER TANKS

RADIATOR RECOVERY TANK

1 Quart Capacity

Features built-in mounting Inserts

- Lightweight durable design has a full quart capacity
- Tank features 2 molded in hexagonal mounting inserts with 5/16"-18 thread
- Can be used in many forms of competition: NHRA & IHRA accepted
- Vented tank includes 3/8" NPT hose fitting and drain cock
- Dimensions: 10 ½" high (overall), 3" tank diameter
- · Mounting hardware included

DESCRIPTION PART #

Overflow Tank, 1 Quart, Built-In Mounting Inserts 63657



RADIATOR RECOVERY TANK

- Lightweight Aluminum design holds one full quart capacity
- Can be used in many forms of competition: NHRA, IHRA & SCCA accepted
- Vented recirculating tank includes push-lock fitting (for 1/4" O.D. flexible tubing), barbed fitting (for 3/8" rubber hose), siphon tube and drain fitting
- Dimensions: 9" high (overall), 3-1/8" tank diameter



No. 63660

PART #	DESCRIPTION
63660	Radiator Recovery Tank
PART #	AVAILABLE OPTIONS
63401	Universal Tank Mounting Bracket. 3" to 3.25" dia.
63403	Billet Aluminum Mounting Bracket, Universal
PΔRT #	REPLACEMENT PART

97200 Ball Valve, 3/8" Male and Female Ports

BILLET RADIATOR RECOVERY TANK

- Billet Aluminum design holds one full quart capacity
- Can be used in many forms of competition: NHRA, IHRA & SCCA accepted
- Vented recirculating tank includes push-lock fitting (for 1/4" O.D. flexible tubing), barbed fitting (for 3/8" rubber hose), siphon tube and drain fitting
- Dimensions: 9" high (overall), 3" tank diameter

· Billet mount included

PART#

DESCRIPTION 85505 Billet Radiator Recovery Tank REPLACEMENT PART PART #

97200 Ball Valve, 3/8" Male and Female Ports



No. 85505

UNIVERSAL COOLANT TANKS

COOLING SYSTEM EXPANSION TANKS

- Perfect for cars with low-mount radiators to provide convenient filling location and to bleed off unwanted air
- Available with rugged 6061-T6 billet aluminum filler necks welded to tank to withstand continuous removal and installation of cap
- Available in two sizes to simplify installation in tight areas
- Each tank includes a 1/8" pipe overflow fitting at neck, a 1/4" NPT water intake bung, and a 1/2" bung at the bottom for plumbing a line to the radiator
- 100% pressure tested to eliminate leaks
- Accepts a standard-size radiator cap
- Dimensions: 6-1/2" H x 7" W

PART #	DESCRIPTION	FILLER NECK	CAPACITY	DEPTH
PANI#	DESCRIPTION	FILLER NEUR	CAPACITY	DEPIN
63650	Expansion Tank	Stamped	1-1/2 quart	3-5/8"
63651	Expansion Tank	Billet Aluminum	1-1/2 quart	3-5/8"
63655	Expansion Tank	Stamped	1 quart, low-profile	2-5/8"
63656	Expansion Tank	Billet Aluminum	1 quart, low-profile	2-5/8"



No. 63656



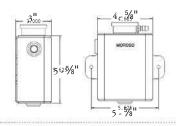
UNIVERSAL COOLANT EXPANSION TANK

- Designed for several applications where a small volume remote tank is necessary
- Fabricated aluminum with integral mounting bracket
- 1-1/4" quart capacity
- One 1/2" NPT female fitting on bottom of tank and one 3/8" NPT female fitting on side
- · Billet filler neck with barbed fitting for overflow hose



63766 Universal Coolant Expansion Tank







No. 63766

91411

UNIVERSAL CATCH/OVERFLOW/RECOVERY TANK

- Fabricated of aluminum for strength with integral mounting brackets and a clear coolant level check
- Versatile tank can be used for different applications depending how it is plumbed
- Side bung 1/4" NPT
- With straight barbed fitting.
- Bottom bung, 1/4" NPT w/ petcock, 1/4" NPT plug & 1/4" NPT 90° fitting

PART #

Catch/Overflow/Recovery Tank, Universal Fit 63769



COOLANT EXPANSION TANK

Fits: Roll Bar Mount. 1/2" NPT

- Aluminum, lightweight tank features a roll bar/chassis tube mount to simplify installation
- 22.6 oz capacity
- Side mounted 1/2" NPT female fitting for ease of plumbing
- Features billet aluminum radiator neck that accepts standard size radiator caps
- Billet aluminum neck has screw-in 1/8" NPT hose fitting
- Has a bottom 3/8" drain with plug
- Dimensions: 3-1/8" diameter (without mount), 6-1/2" tank height (without billet neck), 7-1/2" overall height

PART # DESCRIPTION

63771 Coolant Expansion Tank, Roll Bar Mount, 1/2" NPT



pq. 251

PART# 97200

REPLACEMENT PARTS

No. 63771



Ball Valve, 3/8" Male and Female Ports

SUPERCHARGER TANK

Fits: Camaro SS with Edelbrock Supercharger, 2010-'15

- Direct bolt-in to factory Edelbrock tank
- Fabricated of aluminum for strength can be polished, chromed, powder coated or left as-is for a race look
- Can be packed with ice for the track or dyno pulls for quicker E.T'S and more horsepower
- · Accepts factory screw on cap

PART # DESCRIPTION

63503 Supercharger Tank, Fits: Camaro SS with EDELBROCK Supercharger, 2010-'15



No. 63503

FUSE BOX & BRAKE RESERVOIR COVERS

Fits: Camaro V-6. SS. 2010-'15

- Fits over factory plastic fuse box lid or brake reservoir tank and can be installed in just minutes
- Fabricated out of .100" thick aluminum with TIG welded corners
- Improves under-hood appearance, matches Moroso tank line (sold separately)
- Can be polished, chromed, powder coated, painted or left as-is for a race look

PART # DESCRIPTION

74246 Brake Reservoir Cover. Fits: Camaro V-6, SS, 2010-'1574247 Fuse Box Cover. Fits: Camaro V-6, SS 2010-'11



ABS PUMP COVERS

Fits: Camaro. 2010-'15

- Attaches over Factory ABS Pump, covers up the "spaghetti-like" tubing that comes out of the pump, including covering the ABS pump itself
- Fabricated from .100" thick aluminum with TIG welded corners
- Improves under-hood appearance, matches Moroso tank line (sold separately)
- Can be polished, chromed, powder coated, painted or left as-is for a race look

PART # DESCRIPTION

74248 ABS Pump Cover, SS, Hardtop Only, 2010-'15 **74258** ABS Pump Cover, Camaro V-6, 2010-'15



No. 74258

RADIATOR & INTERCOOLER CAP COVERS

Billet Aluminum

- Billet Aluminum cap cover snaps right on to factory radiator and intercooler caps
- Nos. 63802 and 63803 have knurled, easy-grip design
- Moroso Cap Covers complete the look and complement your upgraded tank
- · Can be polished, chromed, painted, anodized, powder coated or left as-is for a race look

PART # DESCRIPTION

63800 Radiator & Intercooler Cap Cover

Fits: Ford Radiator and Intercooler Cap #s 1W138101AA, F6DZ8100A, RS103, RS527, XL3V8101AA, XL3Z8100AA, 9C3Z-8101B

63801 Radiator & Intercooler Cap Cover

Fits: Chevrolet Radiator Cap #s 10305080, 20838623, 25713160, RC87, RC107

63802 Radiator & Intercooler Cap Cover, Knurled Grip

Fits: Ford Radiator and Intercooler Cap #s 1W138101AA, F6DZ8100A, RS103, RS527, XL3V8101AA, XL3Z8100AA, 9C3Z-8101B

ALGUOTOTAA, ALGUOTOGAA, GOGZ-OTOTE

63803 Radiator & Intercooler Cap Cover, Knurled Grip

Fits: Chevrolet Radiator Cap #s 10305080, 20838623, 25713160, RC87, RC107



No. 63800 - 63801

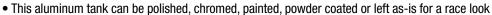


No. 63802- 63803

COOLANT EXPANSION TANKS

Fits: Corvette, 1997-'13

- Direct, bolt-in replacement for stock, cracked or mis-colored tanks
- Utilizes O.E.M. mounting points
- Fabricated aluminum for strength, factory tanks fail after repeated high heat situations, especially in supercharged or turbocharged applications
- Billet aluminum neck accepts stock vented cap, bleeds pressure like the factory intended



- Includes integral billet aluminum hose fittings that are better looking and more trouble free than screw in fittings
- Does not allow use of factory coolant level sensor if equipped

PART # DESCRIPTION 63787 Coolant Expansion Tank

Fits: Corvette, 1997-'13

POWER STEERING TANK

Fits: Corvette 1997-'13 (Except ZR1)

- Direct, bolt-in replacement for O.E.M. tank, also fits GM Accessory Drive Kits 19155066 & 19155967
- · Fabricated aluminum for strength, factory tanks fail after repeated high heat situations
- Billet aluminum neck accepts the stock cap
- This aluminum tank can be polished, chromed, painted, powder coated or left as-is for a race look
- Tank is baffled, includes integral mounting bracket and billet aluminum hose fittings that are better looking and more trouble-free than screw-in fittings

PART # DESCRIPTION
63788 Power Steering Tank

Fits: Corvette, 1997- '13 (except ZR1)

Note: Shown with O.E.M. cap, not included



No. 63788

No. 63787

BRAKE BOOSTER COVER

Fits: Corvette, 1997-'08 & Cadillac XLR, 2004-'08

- Fabricated .100" thick aluminum, fits over existing plastic fuse box lid
- Improves under-hood appearance, matching Moroso tank line (sold separately)
- Can be polished, chromed, powder coated, painted or left as-is for a race look

PART # DESCRIPTION
74240 Brake Booster Cover

Fits: Corvette, 1997-'08 & Cadillac XLR, 2004-'08



No. 74240

FUSE BOX COVER

Fits: Corvette, 1997-'04

- Fabricated .100" thick aluminum, fits over existing plastic fuse box lid
- Improves under-hood appearance, matching Moroso tank line (sold separately)
- Can be polished, chromed, powder coated, painted or left as-is for a race look

PART # DESCRIPTION
74241 Fuse Box Cover

Fits: Corvette, 1997-'04



No. 74241

COOLANT EXPANSION TANKS

For Dodge/Chrysler 300C, Challenger, Charger Hellcat, Magnum

- Direct bolt-In replacement to stock plastic tanks
- Fabricated of aluminum for strength can be polished, chromed, powder coated or left as-is for a race look
- Plastic coolant tanks fail after repeated high heat situations
- Has a built-in overflow expansion reservoir like the factory tank (except Moroso No. 63796)
- Features a robust billet aluminum filler neck, fittings and power steering tabs
- Increased coolant capacity over stock tanks
- Use with Moroso No. 63498 Power Steering Tank for the most eye catching result, the factory power steering tank will also fit up
- Optional Moroso Racing Radiator Caps, see page 251

PART # **DESCRIPTION**

63796 **Coolant Expansion Tank**

Fits: Dodge/Chrysler 300C, Challenger, Charger, 2011-'14

Coolant Expansion Tank, with two power steering tab locations, for 63497 mounting an aftermarket intake shield, can be used with a stock intake Fits: Dodge/Chrysler Challenger, Charger, Magnum with 2.7, 3.5, 5.7

and 6.1L Engines, 2005-'10

63499 Coolant Expansion Tank, with one power steering tab location, for use with a stock

intake or aftermarket intake that does not use the power steering tab to mount

the intake shield

Fits: Dodge/Chrysler Challenger, Charger, Magnum with 2.7, 3.5, 5.7

and 6.1L Engines, 2005-'10

63812 **Coolant Expansion Tank**

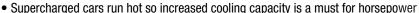
Fits: Dodge/Chrysler Challenger & Charger, SRT8, Hellcat, 2015-'17,







SUPERCHARGER TANK, DODGE/CHRYSLER CHALLENGER & CHARGER HELLCAT. 2015-17



- Direct bolt-in replacement, uses factory mounting bracket
- Fabricated of aluminum for strength can be polished. chromed, powder coated or left as-is for a race look
- Can be packed with ice for the track or dyno pulls for guicker E.T'S and more horsepower
- · Features billet aluminum neck and comes with Moroso Radiator Cap

PART # DESCRIPTION

63809 Supercharger Tank, Dodge/Chrysler Challenger & Charger Hellcat, 2015-17



No. 63809

COOLANT EXPANSION TANK, NISSAN R35 GT-R, 2009-'16

Direct bolt-in replacement to stock multi-piece plastic tank

• Fabricated Aluminum for strength, factory tanks fail after repeated high heat situations

• Will not turn "yellow" or "break down" like the factory plastic tank does

 This Aluminum tank can be polished, chromed, painted, powder coated or left as is for a race look

- Billet aluminum neck accepts the factory stock vented cap
- Has 50% more capacity than the stock plastic tank

PART # DESCRIPTION

63811 Coolant Expansion Tank, Nissan R35 GT-R, 2009-'16



POWER STEERING TANK

For Dodge/Chrysler 300C, Challenger, Charger, Magnum

- Manufactured from aluminum for strength
- Direct bolt-in to factory tank
- A much stronger and better looking tank than the plastic factory tank
- Baffled and complete with integral mounting bracket & fittings
- Accepts factory screw-on cap
- Finish can be polished, chromed, painted, powder coated or left as-is for a race look
- Fits on Moroso No. 63497 or stock

PART # DESCRIPTION 63498 Power Steering Tank

Fits: Dodge Cars with 2.7, 3.5, 5.7 and 6.1L Engines, 2005 - '10



FUSE BOX COVER

Fits: Dodge Challenger, 2008-'14

- Fabricated .100" thick Aluminum, fits over existing plastic fuse box lid
- Improves under-hood appearance, matches Moroso tank line (sold separately)
- Can be polished, chromed, powder coated, painted or left as is for a race look

PART # DESCRIPTION 74226 Fuse Box Cover



COOLANT EXPANSION TANKS

Fits: BMW E36, 1992-'99, Z3 and BMW E46 M3, 2001-'06

- Direct bolt-in replacement to stock 2 piece plastic tank
- Fabricated Aluminum for strength, factory tanks fail after repeated high heat situations and age
- No cutting of factory hoses is required and accepts the factory clip-on hose
- Included is a Moroso **No. 63324** racing radiator cap that operates in the same pressure range as the factory cap
- The Moroso radiator cap mounts to a billet aluminum neck that will not strip out like plastic threaded necks
- This Aluminum tank can be polished, chromed, painted, powder coated or left as is for a race look.

PART # DESCRIPTION

63791 Coolant Expansion Tank, *Fits*: BMW E36, 1992-'99, Z3

63793 Coolant Expansion Tank, Includes Sight Gauge, Fits: BMW E46 M3, 2001-'06



No. 63793



COOLANT EXPANSION TANK

Fits: Ford Mustang, 1986-'93

- * Requires the use of '90-'93 Mustang Low Coolant Sensor, Ford Replacement Part No. 10D968
- Direct bolt-in replacement for stock, cracked or mis-colored tanks
- Fabricated Aluminum for strength, factory tanks fail after repeated high heat situations
- Billet aluminum neck accepts stock cap with sensor or stock cap without sensor
- This Aluminum tank can be polished, chromed, painted, powder coated or left as is for a race look.
- Includes integral billet aluminum hose fittings that are better looking and more trouble free than screw in fittings.

PART # DESCRIPTION

63786 Coolant Expansion Tank.

Fits: Ford Mustang, 1986-'93



No. 63786







No. 63767 COOLANT EXPANSION TANKS

Fits: Ford Mustangs

Direct bolt-in replacement to stock two piece plastic tank

• Fabricated aluminum for strength, factory tanks fail after repeated high heat situations

• This aluminum tank can be polished, chromed, powder coated or left as-is for a race look

Uses factory stock vented cap, bleeds pressure like the factory intended, except No. 63782

• Integral fittings are more reliable than screw-in style on competitor tanks



No. 63783

No. 63806

PART # DESCRIPTION

63767 Coolant Expansion Tank.

Fits: Ford Mustang, 1996-'04

63768 Coolant Expansion Tank.

Fits: Ford Mustang, V6 & GT, 2005-'10, GT500, 2007-'10

63782 Coolant Expansion Tank with Built-in Overflow Reservior as required by NHRA & SCCA

Fits: Ford Mustang, 2005-'10

63783 Coolant Expansion Tank.

Fits: Ford Mustang, V6 & GT, 2011-'14*

63806 Coolant Expansion Tank.

Fits: Mustang, 2015-'17
*For GT 500. 2011-'14. use Moroso No. 63768

Brake & Fuse Box Covers pgs. 192-193





Fits: Ford including Mustang

- Manufactured from aluminum for strength and lightweight
- Direct bolt-in to factory tank
- A much stronger and better looking tank than the plastic factory tank
- Baffled and complete with cap, integral mounting bracket and fittings to ensure a factory replacement part
- Can be polished, chromed, painted, powder coated or left as-is for a race look
- Integral fittings are more reliable than screw-in style on competitors tanks

PART # DESCRIPTION

63490 Power Steering Tank. Fits: Mustang, 1999-'04, Expedition, 1997-'02, F-150, 1997-'03,

Ranger, 1998-'01, Explorer, 1995-'01, Crown Victoria, 1998-'04

63491 Power Steering Tank. *Fits: Mustang*, *2005-'10*

63501 Power Steering Tank.

Fits: Mustang Shelby GT500, 2007-'10













No. 63492

SUPERCHARGER COOLANT TANKS

Keeps Supercharged Engines Running Cooler

- Supercharged cars run hot so increased cooling capacity is a must for horsepower
- Fabricated of aluminum for strength—can be polished, chromed, powder coated or left as-is for a race look
- Nos. 63492, 63493, 63494 and 63495 include a fuel cell style filler cap
 Nos. 63492, 63493 and 63508 have filtered outlet strainer
- Tanks can be packed with dry ice or ice for the track or dyno pulls for quicker E.T'S and more horsepower
- · Increased coolant capacity over stock tanks
- Nos. 63492, 63493, 63496, 63502 and 63508 are direct bolt-in replacement to stock plastic tank
- For **Nos. 63494** and **63495** battery needs to be relocated—use Moroso Sealed Battery Box **No. 74051**

Scalcu	Dattery Dux No. 14031
PART #	DESCRIPTION
63492	Supercharger Coolant Tank. Fits: Mustang Cobra, 2003-'04
63493	Supercharger Coolant Tank. Fits: GT500, 2007-'12
63494	Supercharger Coolant Tank. Fits: Mustang, 2005 - '14
63495	Supercharger Coolant Tank. Fits: Mustang, 1996-'04
63496	Roush® Supercharger Tank Fits: Roush Mustang, 2005-'09, Ford Racing Mustang Supercharger, 2011-'14 and Camaro SS, 2010-'13 with Whipple Supercharger
63502	Supercharger Coolant Tank. <i>Fits:</i> Roush Mustang, 2010-'14
63508	Supercharger Tank. Fits: Mustang GT 500, 2013-'14
PART # 74051	AVAILABLE OPTION Sealed Battery Box



No. 63502



SUPERCHARGER TANK, MUSTANG 2015-'17, WITH FORD PERFORMANCE & ROUSH PERFORMANCE SUPERCHARGER KITS

- Direct bolt-in replacement for the tank that comes in the Ford Performance Part No. M-6066-M8627 supercharger kit or Roush Performance Part Nos. 421542, 421823 & 422001 supercharger kits or tanks factory installed on Roush supercharged Mustangs
- Fabricated of aluminum for strength can be polished, chromed, powder coated or left as-is for a race look
- Can be packed with ice for the track or dyno pulls for quicker E.T'S and more horsepower
- · Accepts factory screw on cap

PART # DESCRIPTION

63509 Supercharger Tank, Mustang 2015-'17





No. 63509

BRAKE RESERVOIR. FUSE BOX COVERS. MUSTANG. 2015-'17

Fits: Mustang GT/Ecoboost/ V-6, 2015-'17

- Fuse Box Cover, Fabricated .100 thick Alum., fits over existing plastic fuse box lid
- Brake Reservoir Cover, Fabricated .100 thick Alum., fits over factory reservoir
- Improves under-hood appearance, Matching Moroso tank line (sold separately)
- Can be polished, chromed, powder coated, painted or left as is for a race look

PART# DESCRIPTION

74255 Fuse Box Cover, Mustang, 2015-'17 74256 Brake Reservoir Cover, Mustang, 2015-'17



No. 74220

No. 74221

No. 74256

BATTERY, BRAKE RESERVOIR, COIL SHEILD & FUSE BOX COVERS

Fits: Mustang, 1979 - '14

Fits over the factory plastic and can be installed in just minutes

• Fabricated from .100 thick Aluminum with TIG Welded Corners

Improves under-hood appearance, Matching Moroso tank line (sold separately)

• Can be polished, chromed, powder coated, painted or left as is for a race look



Fuse Box Cover. Fits: Mustang, 1999-'04 74230 74253 Brake Reservoir Cover. Fits: Mustang, 1979-'93 74254 Coil Shield Cover. Fits: Mustang, 1986-'93



MUSTANG GT 500, 2007-12, DUAL TANK, STOCK CAPS

Combines A Coolant & Supercharger Tank Into One Unit

- Two separate tanks integrated together to look like one
- Directly bolts in place of factory installed coolant and supercharger tanks
- Tanks are oversized to aid in cooling, supercharged cars run hot so increased cooling capacity is a must for horsepower
- Fabricated of aluminum for strength can be polished, chromed, powder coated or left as-is for a race look
- Can be packed with ice for the track or dyno pulls for quicker E.T'S and more horsepower
- Includes heavy duty mounting bracket



63804 Dual Tank, Mustang GT 500, 2007-'12, stock caps

63805 Dual Tank, Mustang GT 500, 2007-'12, stock cap with fuel cell style cap on Supercharger Tank



No. 63804 U.S. Patent No. D643,796 For Nos. 63804 & 63805

COOLANT EXPANSION TANK

Fits: Lotus Elise, Exige, 2005-'11

- Fits Normally Aspirated, OEM and Aftermarket Forced Induction vehicles
- Direct bolt-in replacement to stock plastic tank
- Fabricated aluminum for strength, factory tanks fail after repeated high heat situations
- This aluminum tank can be polished, chromed, painted, powder coated or left as is for a race look.
- Features billet aluminum radiator neck, sight glass to check the level of coolant and manual bleed valve
- Includes Part No. 63316 radiator cap

PART # DESCRIPTION

63797 Coolant Expansion Tank. Fits: Lotus Elise/Exige, 2005-'11



No. 63797

COOLANT EXPANSION TANKS

Fits: Mazda Miata, 1990-'97 and 1999-'05

- Direct bolt-in replacement to stock 2 piece plastic tank
- Fabricated Aluminum for strength, factory tanks fail after repeated high heat situations
- This aluminum tank can be polished, chromed, powder coated or left as-is for a race look
- Comes with billet aluminum cap

PART # DESCRIPTION

63780 Coolant Expansion Tank. Fits: Mazda Miata, 1990-'9763781 Coolant Expansion Tank. Fits: Mazda Miata 1999-'05





COOLANT EXPANSION TANK

Fits: Subaru Impreza, WRX/STI, 2002-'07

- Direct bolt-in replacement for stock, cracked or dis-colored tanks
- Fabricated aluminum for strength, factory tanks fail after repeated high-heat situations
- This aluminum tank can be polished, chromed, painted, powder coated or left as-is for a race look
- Has a provision for the factory siphon hose
- Includes a billet aluminum cap with 0-ring

DESCRIPTION PART # 63785 Coolant Tank



No. 63785

INTERCOOLER TANK

Fits: Subaru WRX/STI, 2002-'07, Forester XT Turbo, 2004-'08

- · Direct bolt-in replacement for stock tanks
- Has 50% more capacity than Subaru stock tank
- · Fabricated aluminum for strength, factory tanks fail after repeated highheat situations
- Finish can be polished, chromed, painted, powder coated or left as-is for a race look
- Includes billet aluminum filler neck, Moroso Racing Radiator Cap in the stock pressure range and integral billet aluminum hose fittings that are better looking and more trouble-free than screw in fittings
- By having this style of radiator neck, the user can change the operating pressure by purchasing Moroso's No. 63328 Racing Radiator Cap in the 27-29 lbs. range



No. 63784

PART # DESCRIPTION 63784 Intercooler Tank

PART # **AVAILABLE OPTION** 63328

Racing Radiator Cap, 27-29 lbs.

INTERCOOLER TANK

Fits: Subaru WRX, 2008-'14

- Direct bolt-in replacement to stock tank with increased capacity
- Fabricated Aluminum for strength, factory tanks fail after repeated high heat situations
- This Aluminum tank can be polished, chromed, painted, powder coated or left as is for a race look
- Includes Moroso Racing Radiator Cap in the stock pressure range and integral billet aluminum hose fittings that are better looking and more trouble free than screw in fittings
- With this style of radiator neck, you can change the operating pressure using Moroso Part No. 63328 Racing Radiator Cap in the 27-29 lbs range
- Tank is designed to be used with an Aftermarket "Cone Air Filter" intake, doesn't fit with O.E.M. Panel Air Filter Intake

PART # **DESCRIPTION** 63795 Intercooler Tank



No. 63795

PART# **AVAILABLE OPTION** 63328 Racing Radiator Cap, 27-29 lbs.

FUSE BOX COVER

Fits: Subaru WRX/STI/Impreza 2.5 RS, 2006-'07

- Fabricated .100" thick Aluminum, fits over existing plastic fuse box lid
- Improves under-hood appearance, matches Moroso tank line (sold separately)
- Can be polished, chromed, powder coated, painted or left as is for a race look

PART # **DESCRIPTION** 74231 **Fuse Box Cover**



TRANSMISSION PANS

ALUMINUM TRANSMISSION PANS

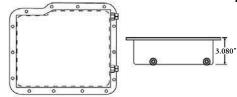
- Fully fabricated with one-piece billet rail
- Reduce temperature and improve oil control
- Features dual fittings with magnetic drain plugs
- Includes serrated flange hex bolts (No. 42050 includes metric studs)



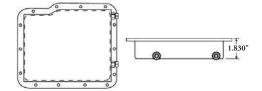
Perm-Align Transmission Pan Gaskets on pg. 203



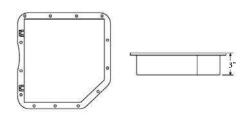




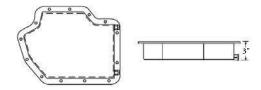




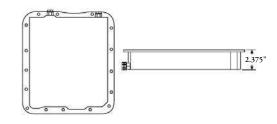




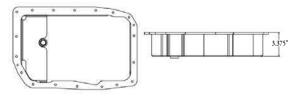




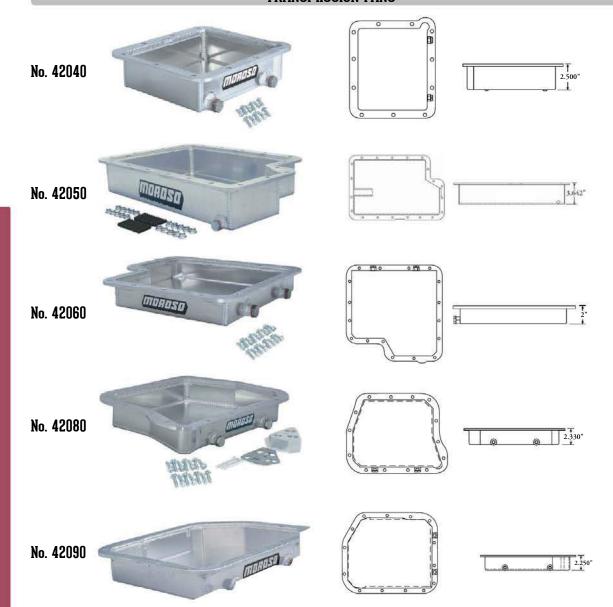








TRANSMISSION PANS



TRANSMISSION PAN & GASKET CHART

See Moroso Transmission Pan Gaskets on pg.203 and Replacement Drain Plugs on pg. 105

TRANSMISSION Type	TRANSMISSION PAN PART #	DEPTH	INCLUDED	FILTER Recommended	GASKET Part #	REPLACEMENT Drain Plug
GM Powerglide	42000	3.080"	Filter Spacer	Fram FT1017	93100	97002
GM Powerglide	42001	1.830"	N/A	Fram FT1017	93100	97002
GM Turbo 350	42010	3.000"	Filter Spacer	Fram FT1021	93102	97002
GM Turbo 400	42020	3.000"	Filter Extension	Fram FT1020	93103	97002
GM 3L80	42020	3.000"	Filter Extension	Fram FT1074	93103	97002
GM 700R4	42025	2.375"	N/A	Fram FT1074	N/A	97002
GM 4L60E	42025	2.375"	N/A	Fram FT1201	N/A	97002
GM 4L65E	42025	2.375"	N/A	Fram FT1201	N/A	97002
GM 4L70E	42025	2.375"	N/A	Fram FT1201	N/A	97002
Camaro SS '10 - up	42030	3.350"	N/A	AC Delco 24236931	N/A	97002
Ford C4 '70-up	42040	3.080"	N/A	Fram FT1028	93107	97002
	,	,		Fram FT1035		
Ford C4 Pre-'70	42040	3.080"	N/A	Fram FT1027A	93107	97002
Ford E40D/4R100	42050	3.642"	N/A	Motorcraft FT113	N/A	97002
Ford C6	42060	2.000"	N/A	Ford D3TZ7A098B,	93108	97002
				Fram FT1035		
Chrysler A-904	42090	2.250"	Filter Spacer	Fram FT1039	N/A	97002
Chrysler 727	42080	2.330"	Filter Spacer	Fram FT1039	93110	97002

TRANSMISSION PAN GASKETS

PERM-ALIGN TRANSMISSION GASKETS

- Manufactured from 40 durometer rubber that is vulcanized to a rigid steel frame
- The extra-strength design will not leak, split, fail like O.E.M., stock or inferior quality aftermarket gaskets
- Gaskets require no sealant, which allows for quick removal and installation of transmission pans
- Rubber/Steel gasket outlast cork compsites to provide years of dependable service
- Full 3/16" thick
- One per package

PART # 93100 93102 93103 93105 93106 93107 93108 93110	DESCRIPTION Perm-Align Transmission Gasket	Fits: Moroso Powerglide Pans No. 42000 and Fits: GM Turbo 350, Moroso Transmission Pan I Fits: GM Turbo 400, Moroso Transmission Pan I Fits: Ford E40D/4R100, Moroso Transmission P Fits: Ford AOD, AODE and 4R70W Fits: Ford C4, Moroso Transmission Pan No. 42 Fits: Ford C6, Moroso Transmission Pan No. 42 Fits: Chrysler Torqueflite 727, Moroso Transmis	No. 42010 No. 42020 _{Pan} No. 42050 2040 2060
	No. 93100	No. 93102	No. 93103
	No. 93105	No. 93106	No. 93107
	N. 00100	N. 00110	
	No. 93108	No. 93110	

TRANSMISSION ACCESSORIES

TRANSMISSION DIPSTICKS

- Custom designed for each transmission application listed, to work with the popular shields being used
- Each assembly is constructed out of heavy duty hydraulic tubing, fixture welded for a precision fit and black powder coated
- Threaded knob design stays locked to tube under high transmission pressure and vibration levels
- Heavy duty cable with a "full" and "fill" area to indicate desired fluid level
- Required by NHRA/IHRA for cars running 10.99 or quicker

• nequii	to by MinAvilla for cars familing 10.99 or quicker	
PART # 41300 41301 41302 41303 41305	DESCRIPTION Transmission Dipstick, Locking Style, OE Long Style. <i>Fits:</i> GM Powerglide Transmission Dipstick, Locking Style, Short Dragster Style. <i>Fits:</i> GM Powerglide Transmission Dipstick, Locking Style, OE Long Style. <i>Fits:</i> GM Turbo 350 Transmission Dipstick, Locking Style, OE Long Style. <i>Fits:</i> GM Turbo 400 Transmission Dipstick, Locking Style, OE Long Style/Case Style. <i>Fits:</i> Ford C4	MORDSO
	No. 41300	No. 41301
		No. 41302
	No. 41303	

ROLLER PILOT BEARING

- Unlike other roller pilot bearings, this high speed bearing is designed as a direct replacement in all Chevrolet V8's and 90° V6's (also fits 1976 and later V6 Buick)
- · Requires no modification to either crank or input shafts
- Eliminates premature bearing failure and insures clean clutch release by maintaining true alignment of clutch disc to flywheel
- Packed with high temperature grease for proper lubrication under extreme high heat conditions
- Suitable for all high performance applications including drag, oval track/road race and street
- 1.093" O.D. x .591" I.D. x .72" Depth
- One per package

PART # DESCRIPTION

41100 Roller Pilot Bearing, Chevrolet V8 and 90° V6



No. 41305

No. 41100

TRANSMISSION ACCESSORIES

AUTOMATIC TRANSMISSION COOLERS

Available With & Without Filters

- · Heat sink design dissipates the excessive heat bild up in racing transmissions
- Can be used on the street as an auxiliary cooler in conjunction with a stock cooler
- Withstands up to 100 lbs of pressure
- . Made of aluminum, very easy to install with built-in mounting tabs
- Includes two- 6 AN O-ring fittings and all necessary installation instructions

PART #	INCLUDES A FILTER WITH A MAGNET		SQUARE INCHES OF RADIATION SURFACE	DIMENSIONS	WEIGHT
41200	Yes	10 MICRONS	500	3" H x 3" W x 12" L	1.00
41201	No	N/A	500	3" H x 3" W x 12" L	1.00
41205	Yes	10 MICRONS	1072	3 -1/2" H x 6-1/4" W x 18" L	4.70



PART # REPLACEMENT PARTS

97290 Filter Cartridge for part No. 4120097291 Filter Cartridge for part No. 41205

TRANSMISSION TAILSHAFT PLUG

- Another time saver from Moroso
- Eliminates the messy spilling of transmission fluid during transmission removal, replacement and storage
- One per package

PART # DESCRIPTION

41060 Transmission Tailshaft Plug, 1-½" 0.D., Early Muncie, Borg-Warner, Ford, Chrysler, Chevrolet Powerglide



No. 41060

TORQUE CONVERTER BOLTS

 Special fasteners provide maximum holding strength & eliminate the possibility of shearing

PART # DESCRIPTION

38764 Torque Converter Bolts, Grade 8 bolts with nuts for Turbo 350, 400 flex plates without tapped holes, \(\frac{1}{3} \). Set of 3.

38765 Torque Converter Bolts, Grade 5 bolts for Turbo 350, 400 flex plates w/tapped holes, %" -16 x %", Set of 3



No. 38764

LUBES, SEALERS, FILLERS & EPOXY

A & B EPOXY

- Two-part bonding product molds like putty, yet hardens to steel-like consistency
- Does not shrink and is not affected by solvents, oils or gasoline
- Maximum use temperature of 250°F makes it perfect for repairing intake manifolds, cylinder head intake ports, heads and blocks
- Also useful for filling crevices in lifter galleries and installing filter screens
- Can be drilled and tapped when hard
- Adheres to almost any clean surface and hardens in 60 min. at 75°F
- · One year shelf life
- Not recommended to be used with E85

PART # DESCRIPTION 35560 A & B Epoxy, 1 lb.



No. 35560



No. 34800

CLIMBING GEAR LUBE

- High-performance, extreme high-pressure gear lube
- Multi-purpose applications including manual transmissions and both conventional and posi-traction differentials
- Contains special "clinging" agents that provide direct adhesion to all moving parts; whereas conventional lubes rely on "splashing and sloshing" to distribute lubricant
- Increased speed of rotating parts causes continuous film of oil to "climb" and spread over surfaces
- Insures complete lubrication of gears, bearings, bushings, shift yokes, synchros, etc.

PART # DESCRIPTION

34800 Climbing Gear Lube, 1 quart

MOLY PASTE ASSEMBLY LUBE

- Heavy-duty assembly lubricant is specially formulated to reduce friction and wear on all metal surfaces
- Extends the life of parts subjected to extreme heat during racing
- Contains molybdenum disulfide (MoS2), which greatly reduces friction and wear
- Moly formula coats surfaces with film that chemically bonds itself to metals, filling in the microscopic "hills and valleys" present in all metal surfaces
- Surface areas coated with Moly Paste[™] retain an unbroken film of lubricant that reduces metal to metal contact and reduces risk of component failure
- Recommended for use on cams, lifters, bearings, gears, etc. Very effective when storing an engine

PART # DESCRIPTION

35000 Moly Paste™ Assembly Lube, 4 oz. tube



No. 35000

LUBES, SEALERS, FILLERS & EPOXY

ENGINE BLOCK FILLER

- Just fill with water, mix and pour into block before machining
- Helps prevent thin cylinder walls from cracking and improves ring seal by keeping cylinders round
- Also dampens unwanted vibrations
- Has expansion rate very similar to cast-iron
- Highly regarded by "Mountain Motor" authority Scott Shafiroff
- Easy to follow, detailed instructions

PART # DESCRIPTION

35570 Engine Block Filler. One case of four

one-gallon containers; enough for one block

35571 Engine Block Filler. One-gallon container



No. 35571

RACE WRITE

Goes on smoothly and evenly with a bright white finish

- A single marker for use on both tires and windows
- Use on windows to mark dial-in/class
- Use on tires to check slippage and sidewall deflection
- Use on Wheel-E-Bars[™] to aid in chassis tuning
- Use on the car when it's time to sell
- Easy to apply applicator, safe on glass and Lexan[®]
- Wipes clean with a dry rag

PART # DESCRIPTION

35581 Race Write. 3 oz. single bottle with applicator

No. 35581

CERAMIC ENGINE SEAL

- The best Chemical Sealer you can buy to stop cooling system leaks
- Works equally well in aluminum or cast-iron blocks
- Cooling system must be thoroughly clean before use
- · Does not work with antifreeze
- If this doesn't stop the leaks, find yourself a welder!

PART # DESCRIPTION

35500*

Ceramic Engine Seal. One pint plastic bottle. Do not use with antifreeze



No. 35500

ALL WEATHER SEAL

- Specially formulated to stop cooling system leaks when antifreeze is present
- Ideal for stopping radiator leaks and sealing cracked blocks in sub-freezing conditions
- Works best when cooling system has been thoroughly cleaned and flushed

PART # DESCRIPTION

35520*

All Weather Seal. One pint plastic bottle. Can be used with antifreeze



No. 35520



Never remove a radiator cap when engine is hot and under pressure!

Open the petcock slowly to relieve pressure, then carefully take off radiator cap.

WARNING!

No. 35500 and 35520 — Avoid

contact with eyes or skin. Do not take internally. If splashed on skin, wash thoroughly with cold water. If splashed in eyes, flush thoroughly for 15 minutes with cool water and consult a physician

If taken internally, drink
3 or 4 glasses of milk
or water.
DO NOT induce vomiting.
Call a physician
immediately.
ALWAYS KEEP OUT OF
CHILDREN'S REACH.



USING MOROSO CERAMIC ENGINE SEAL & ALL WEATHER SEAL SAFELY

For best results, open the petcock and drain coolant into container for safe disposal. Remove radiator cap. Use a hose to add water keeping radiator full with petcock open and draining. Start engine and continue draining until water runs clear. Close petcock and refill with clear water leaving enough room for sealer additive.

NOTE: Ceramic Engine Seal and All Weather Seal cannot remain in cooling system for more than 24 hours!

PLUGS & DOWELS

DECK PLUG KIT

- Upper cylinder wall distortion is greatly reduced when these ¾" NPT plugs are installed in the water passage holes in the decks of Small Block and 90° V6 Chevy engines
- Water holes must be tapped before the plugs are screwed in; block must also be decked after installation
- Plugs also restrict water flow to the cylinder heads by reducing size of water passage holes to 5/16"
- Packaged six to a kit

PART # DESCRIPTION

37800 Plug Kit, Small Block and 90° V6 Chevy



ALUMINUM PIPE PLUGS

- Use on most aftermarket aluminum blocks and heads to replace plugs removed or damaged during machining, cleaning, etc.
- Available in two sizes, each with 3/8" hex socket drive for ease of installation and removal
- Two per package

PART # DESCRIPTION

37810 Aluminum Pipe Plugs, ½" NPT thread 37812 Aluminum Pipe Plugs, ¾" NPT thread



No. 37810





CHROME PLATED PIPE PLUGS

- · Chrome plated steel pipe plugs dress up often forgotten areas
- Available for several NPT sizes
- Use to plug vacuum accessory holes in manifolds, fill plug holes in transmissions and rear ends, or any other spot that accepts a pipe plug







No. 39152 No. 39153 No. 39154

PAKI#	DESCRIPTION
39152	Chrome Plated Pipe Plugs, 3/8" NPT, four per pack
39153	Chrome Plated Pipe Plugs, 1/2" NPT, two per pack
39154	Chrome Plated Pipe Plugs, 3/4" NPT, two per pack

OFFSET CYLINDER HEAD DOWELS

- Offset cylinder head dowels reposition the cylinder heads upwards on the block (toward the lifter valley), moving valves away from cylinder wall for improved intake flow
- One package contains 4 alloy steel dowels

PART #	DESCRIPTION			
37900	Offset Cylinder Head Dowels, Big Block Chevy and			
	Big Block Chrysler .030" offset			
37920	Offset Cylinder Head Dowels, Small Block Chevy and			
	Small Block Chrysler .015" offset			
37930	Offset Cylinder Head Dowels, Small Block Chevy and			
	Small Block Chrysler .030" offset			



No. 37920

PINS, WASHERS & ADAPTERS

EXTRA LONG BELLHOUSING DOWEL PINS

- Provides an easy method of properly aligning the transmission input shaft to the crankshaft pilot bearing
- · Extra long to simplify the task of installing a bellhousing on the engine block
- Offset Dowel Pins include set screws and instructions for locking pins into place; drilling and tapping of block required
- Getting alignment concentric to within ±.005" insures a clean clutch release, maximum pilot bearing and transmission life and reduced shifting problems
- .625" diameter
- Two per package
- Fits virtually all GM V8 and V6 blocks

PART #	DESCRIPTION
37932	Bellhousing Dowel Pins, standard, 1.500 long
37934	Bellhousing Dowel Pins, .007 offset, 1.328 long
37936	Bellhousing Dowel Pins, .014 offset, 1.328 long
37938	Bellhousing Dowel Pins, .021 offset, 1.328 long



BELLHOUSING PINISLEEVE KITS

Allows easy engine removal and realignment during installation

PART # DESCRIPTION

37944 Bellhousing Pin/Sleeve Kit

Fits: BB, SBC & SB Ford.

Use with 1/8" steel mid plate, welding required



CHROME-MOLY HEAD BOLT WASHERS

- Not your ordinary hardware store variety!
- Moroso Head Bolt Washers are designed for the racer; machined from tough 4130 chrome moly steel, heat treated to proper hardness and parallel-ground
- Stress loads are more evenly distributed and torque readings more accurate
- Can also be used on main bearing caps, rocker arm stands, and other engine components
- Use them over and over again

PART # DESCRIPTION

38300 Chrome-Moly Head Bolt Washers, 7/16", Small Block and 90° V6 Chevy, Pack of 34

38310 Chrome-Moly Head Bolt Washers, ½", Pack of 30

NOTE: These washers are a must when using aluminum heads. Chamfered side of the washer should be toward the head of the bolt.



No. 38300

VALVE COVER NUTS

Fits: BBC with Moroso Part Nos. 68420, 68425, 68426, 68429 and 68432 valve covers

- Set includes Lock Nuts, Studs 1/4"-20 x 3-1/4", and Set Screws
- Lock Nuts have a clear zinc finish

PART # DESCRIPTION

68562 Valve Cover Lock Nuts for BBC



No. 68562

STUD KITS

OIL PUMP STUD KIT, CHEVROLET

- Wet sump oil pump stud (1/16" x 3-3/16") is manufactured from 4130 chrome moly steel
- Provides improved mounting for all Moroso oil pumps or stock pumps on Small Block, Big Block and 90° V6 Chevy engines
- Kit includes a nut and hardened/ground washer

PART # DESCRIPTION

38150 Oil Pump Stud Kit, SBC, BBC and 90° V6 Chevy



OIL PUMP PICKUP MOUNTING STUD KITS. FORD

- Studs are stronger and better at maintaining torque than factory bolts
- Provides secure mounting for Moroso oil pump pickups or stock pump pickups
- Kit includes flat washer and hex nut and serrated nut for windage trav

DESCRIPTION PART #

Oil Pump Pickup Stud Kit, 7/16" -20, Ford 302 38193

Oil Pump Pickup Stud Kit, 1/2" -20, Ford 351W, 302R 38194



WINDAGE TRAY MOUNTING STUD KIT. FORD

- Required to fasten a Moroso No. 22930 or 22935 Windage Tray to the main caps
- Kits include quantity 4 of; studs, main cap nuts, windage tray nuts and 8 washers
- Engineered to allow adjustment of the distance of the Windage Trav from the rotating assembly

DESCRIPTION PART #

38191 Windage Tray Mounting Stud Kit for No. 22930, Ford 289-302 38192 Windage Tray Mounting Stud Kit for No. 22935, Ford 351W, Ford 302R



No. 38192

BULLET NOSE CARBURETOR STUD KITS

- "Bullet Nose" studs are rounded on one end, making it easy to start nuts
- Kits include 4 studs, hardened flat washers and jam nuts

PART# **DESCRIPTION**

37950 Carburetor Stud Kit, Fits carbs. with 1/2" thick flange base, 5/16" -18 and 24 x

37955 Carburetor Stud Kit, for ½" thick carburetor spacers 5/16" - 18 thread and 2"

37960

Carburetor Stud Kit, Fits carbs. with ½" thick flange base with a 1" spacer or with one or two, $\frac{1}{2}$ " spacers, $\frac{5}{16}$ " -18 and 24 x 2- $\frac{1}{2}$ " long

37961 Carburetor Stud Kit, Fits carbs. with 1/2" thick flange base with a 2" spacer or

with three or four $\frac{1}{2}$ " thick spacers, $\frac{5}{16}$ " -18 and 24 x 3- $\frac{1}{2}$ " long



STUD KITS

others;

IMPORT/SPORT COMPACT OIL PAN STUD KITS

- Steel studs allow repeated R&R of pan without stripping blocks
- Simplifies pan installation and extends gasket life
- Studs have an Allen Head socket at one end to facilitate installation
- Lock nuts feature attached washers with serrated faces
- Studs finished with black oxide and nuts are cadmium and zinc plated to resist corrosion

PART #	DESCRIPTION
38356	Oil Pan Stud Kit, 8mm. Fits Toyota 2TC, 3TC, 2TG, 3TG and
	includes 20 studs and nuts, M8 x 1.25 x 35mm.

Oil Pan Stud Kit, 6mm. Fits Honda, Acura, Mazda Rotary, Dodge Neon, Toyota MR2 and others; includes 22 studs and nuts, M6 x 1.00 x 35mm.



No. 38356

OIL PAN STUD KITS

- These stud kits make pan installation easy and prolong gasket life
- Lock nuts feature attached washers with serrated faces to provide a positive grip on the pan rail
- Studs are made of heat treated Grade 8 steel with black oxide finish; nuts are cadmium and zinc-plated
- Highly recommended for use with our fabricated pans



No. 38350

PART # DESCRIPTION

38366

38350 Oil Pan Stud Kit, Small Block and 90° V6 Chevy and Oldsmobile V8, Set of 18

38360 Oil Pan Stud Kit, Big Block Chevy and Pontiac V8, Set of 22

OIL PAN STUD KITS. GM LS

- For installing a Moroso or other brand billet aluminum or steel fabricated oil pans on a GM LS engine
- Designed to make pan installation easy and prolong gasket life
- Lock nuts feature attached washers with serrated faces to provide a positive grip on the pan rail
- Studs are made from heat-treated Grade 8 steel with a durable finish, nuts are zinc plated
- Part No. 38541 for fabricated steel oil pans, contains;
 Quantity 13, 8mm x 1.25 x 40mm studs with matching nuts
 Quantity 2, 6mm x 1 x 40mm studs with matching nuts
- Part No. 38542 for fabricated aluminum oil pans, contains;
 Quantity 13, 8mm x 1.25 x 45mm studs with matching nuts
 Quantity 2, 6mm x 1 x 50mm studs with matching nuts

DART #	DECUBIDATION

38541 Oil Pan Stud Kit, for Steel Fabricated GM LS oil pans38542 Oil Pan Stud Kit, for Aluminum, Fabricated GM LS oil pans



No. 38541



No. 38542

OIL PAN FASTENER KIT

Fits: Big Block Chevy Race Pans

- For use with Moroso Oil Pan Numbers 20370, 20371, 20385, 21600, 21601, 20372, 20373, 20374, 20375, 20376, 20378, 20380, 20485, 21581, 21591, 21592, 21597, 21602, 21604 and 21605
- Studs and 12 point nuts to fasten all BBC/DRC/Merlin/CN blocks wet sump and dry sump oil pans
- Studs are made of heat treated Grade 8 steel with black oxide finish
- Makes installing the nuts through the access bungs easy with bullet nose studs and makes initial line up easier with studs on all bolt holes

PART # DESCRIPTION

38361 Oil Pan Fastener Kit, BBC Race Pans

No. 38361

BULLET NOSE OIL PAN STUD KITS

- "Bullet Nose" Studs are rounded on one end for easier starting of oil pan mounting nuts
- Kits include heat treated Grade 8 steel studs with a black oxide finish, and special-design nuts

PART #	DESCRIPTION

38385 Bullet Nose Oil Pan Stud Kit, specially designed for

Moroso Aluminum Oil Pans **No. 21234** and includes six studs with 12-point nuts for the pan rail and four longer studs with Allen Head nuts for the investment-cast end caps found on Moroso's innovative line of oil pans

38387 Bullet Nose Oil Pan Stud Kit, specially designed for Moroso Aluminum Oil Pans Nos. 21581 and 21592, includes 6 studs and serrated nuts for pan rails, and 2 each, socket head cap screws for the timing cover and rear pan rail area

38390 Bullet Nose Oil Pan Stud Kit, for Small and Big Block Ford Engines, special nuts included to fit flat against pan rail on tight corners, use with Moroso Oil Pan Nos. 20502, 20507, 20508, 20510 and 20521, 23 to a kit



No. 38385

NUTS. OIL PANS

- Popular size nuts, No. 97036 is used in Part No. 38361, Oil Pan Fastener Kit
- No. 97037 is used in Part Nos. 38360 & 38390

PART # DESCRIPTION

97036 Nuts, 5/16"-24", 25 Pack, Washer Face Serrated 97037 Nuts, 1/4"-28", 20 Pack, Washer Face Serrated



SELF-LOCKING OIL PAN BOLTS

- Self-Locking Oil Pan Bolts manufactured from Grade 8 steel
- Integral serrated washer face provides self-locking effect
- Hex head flange bolts are zinc plated

PART #	DESCRIPTION
38550	Self-Locking Oil Pan Bolts, Small Block and 90 V6 Chevy and
	Oldsmobile V8's, For One-Piece Gaskets, Fourteen 1/4"-20 x 3/4"
	and Four 5/16"-18 x 3/4" bolts
38555	Self-Locking Oil Pan Bolts, Small Block and 90 V6 Chevy and
	Oldsmobile V8's, For Multi-piece Gaskets, Fourteen 1/4"-20 x 1/2"
	and Four 5/16"-18 x 3/4" holts

38560 Self-Locking Oil Pan Bolts, Big Block Chevy and Pontiac V8's, For One piece and Multi-piece Gaskets, Twenty 5/16"-18 x ½" bolts and Two ¼"-20 x 3/4" bolts



No. 38555

BOLT & BOLT KITS

OIL PAN FLANGE HEAD BOLTS

Fits: Small Block Chevy Oil Pans

- For use with Moroso Oil Pan Nos. 20173, 20175, 20183, 20184 and 20186
- Fasteners are short enough to fit in kick-out style oil pans
- · Economical alternative to stud kits
- 12 point flange head, black, grade 8
- 18 to a set; 4 of 5/16-18 x .75", 14 of 1/4-20 x 3/4"

DESCRIPTION

38551 Oil Pan Flange Head Bolts, SBC



No. 38551

INTAKE MANIFOLD BOLT KITS

• \%" diameter, 12-point headed intake manifold bolts simplify the job of installing and removing many of today's aftermarket intake manifolds designed with extremely tight fastener clearances

 Kits are manufactured of Grade 8 steel and come complete with close-tolerance washers

PART # **DESCRIPTION**

38400 Intake Manifold Bolt Kit, SBC and 90° Chevy V6, and Small Block Chrysler with single plane manifold, set of 12;

3/8" -16 x 1-1/8"

38410 Intake Manifold Bolt Kit, BBC, set of 16; 3/8" -16 x 1-1/4" 38420 Intake Manifold Bolt Kit, BBC, set of 12; 3/4" -16 x 1-1/4" and

set of 4 of 3/8" -16 x 1-3/4"



No. 38400

TIMING COVER BOLTS

- 1/4" -20 hex head timing cover bolts manufactured of cadmium-plated Grade 8 steel
- · Integral serrated washer face insures positive locking against the timing cover
- Ten per package

PART # DESCRIPTION

38590 Timing Cover Bolts, Small Block, Big Block and 90° V6 Chevy



No. 38590

HEADER BOLTS

- Grade 8 header bolts are heat treated with black oxide finish
- Uses 7/16" hex head for quick installation and removal of headers

PART # DESCRIPTION

38710 Header Bolts, 3/8" -16 x 3/4" hex head bolts for SBC, BBC and 90° V6 Chevy engines, Small Block Ford and other engines where a

3/8" -16 bolt is used, pack of 16



No. 38710

TORQUE CONVERTER BOLTS

 Specially designed fasteners provide maximum holding strength and eliminate the possibility of shearing

DESCRIPTION PART #

38764 Torque Converter Bolts,

> Grade 8 bolts with nuts for Turbo 350, 400 flex plates without tapped holes, % " -24 x % ". Three per pack.

38765 Torque Converter Bolts, Grade 5 bolts for Turbo 350, 400 flex plates with

tapped holes, 3/4" -16 x 5/4". Three per pack



No. 38764

ULTIMATE-DUTY BALANCER BOLT KITS

- Extra-strength chrome moly steel bolt with large, built-in washer flange exerts 200,000 psi of clamping force to secure balancer firmly in place under severe conditions
- Unlike other brands, the bolt is machined and thread rolled after heat treating for superior strength, accuracy and longevity
- Extra-tall 12-point head accepts deep %" socket to provide positive grip for removal/installation without stripping
- Large, 2" diameter washer is .275" thick and machined perfectly flat to spread the fastening load over a larger surface area
- · Black oxide finish

PART # DESCRIPTION

38772 Ultimate-Duty Balancer Bolt Kit,

SBC, 7/16" -20 threads

38775 Ultimate-Duty Balancer Bolt Kit,

BBC, 1/2" -20 threads



No. 38775

BALANCER BOLT

- \bullet The thicker $3\!4"$ hex head on this $7\!\!/_6"$ -20 x 2- $1\!\!/_4"$ balancer bolt provides a larger contact surface for increased positive socket engagement
- Especially important when crankshaft is being rotated by hand with the use
 of a socket and breaker bar or ratchet handle
- Manufactured of Grade 8 steel with gold iridite finish

PART # DESCRIPTION

38770 Balancer Bolt, Small Block Chevy

No. 38770

FLYWHEEL/FLEX PLATE BOLTS

- Bolts manufactured using Grade 8 steel and heat treated for maximum strength
- · Black oxide finish provides corrosion resistance

PART # DESCRIPTION

38755 Flywheel Bolts, 12-point, manufactured of special high strength steel alloy for use in Chevrolet V8 and 90° V6 engines on flywheels with a counter-sunk crankshaft flange, Black oxide finish, Each package has six 1/16"-20 x 1" bolts

38760 Flex Plate Bolts, SBC, BBC and 90° Chevy V6 engines, %6"-20 x %4",

Each package has 6 bolts and washers



No. 38755

FIREWALL GROMMETS

- Black, thermoplastic grommets will fit five different size holes for wires and cables passing through the firewall
- They not only insulate, but provide mechanical protection against chafing
- Outside dimensions range from ½" to 1", the inside from .41" to .89"
- · Package of 25; five of each size

PART # DESCRIPTION
39050 Firewall Grommets



No. 39050

LIGHTWEIGHT ALUMINUM HOOD PIN SET

- Set consists of two %" diameter pins with all necessary mounting hardware
- Pins are manufactured from high strength aluminum alloy
- We recommend 6 to 8 per hood

PART # DESCRIPTION 39000 Hood Pin Set

PART # AVAILABLE OPTION

39025 Hood Pin Bracket, 3/8" Diameter Pins



HOOD PINS / BRACKET

HOOD PIN SET. ALUMINUM. BLACK

1/2" Diameter Pins

- Set consists of two ½" diameter pins with all necessary mounting hardware
- The included pins and scuff plates have a black finish, the clips have a chrome plated finish
- · Pins are manufactured from high strength aluminum alloy

PART# DESCRIPTION

39005 Hood Pin Set, Aluminum, 1/2", Black



No. 39005

QUICK RELEASE HOOD PIN SET

- A guick, self-contained hood clamping device
- No pins or lanyards to lose or cause hood damage
- We recommend 6 to 8 to a hood
- %" diameter aluminum pins; easy bolt-on installation may be used or many other applications where quick access to a trouble spot is absolutely essential

• Two per set

PART # DESCRIPTION PART # AVAILABLE OPTION

39010 Quick Release Hood Pin Set 39025 Hood Pin Bracket, 3/8" Diameter Pins



No. 39010

OVAL TRACK HOOD PIN SETS

- Compact and lightweight Hood Pin Sets consist of ¾" dia. chrome plated steel pins with clips, 1-½" dia. stainless steel scuff plates and vinyl-coated stainless steel lanyards
- Available in 3" and 4" pin lengths
- Ideal for any full-bodied race cars
- Two per set

PART # DESCRIPTION

39015 Oval Track Hood Pin Set, 3" 39016 Oval Track Hood Pin Set, 4"

PART # REPLACEMENT PARTS

39022 Hood Pin Clips, 1/8" wire dia., chrome plated, two per set Hood Pin Scuff Plates, 2-1/2" dia., chrome plated, two per set

PART # AVAILABLE OPTION

39025 Hood Pin Bracket, 3/8" Diameter Pins



CHROME HOOD PIN SET

 Hood Pin Sets consist of two chrome plated steel hood pins (5" long with 3" of thread), two 1/8" hitch pins, four cadmiumplated mounting nuts, two scuff plates, two 12" vinyl-coated stainless steel lanyards and two rivet eyelets

PART # DESCRIPTION

39020 Heavy-Duty Hood Pin Set, ½" dia. pins **39021** Standard-Duty Hood Pin Set, ½6" dia. hood pins

PART # REPLACEMENT PARTS

39022 Hood Pin Clips, ¼" wire dia., chrome plated, two per set 39023 Hood Pin Scuff Plates, 2-½" dia., chrome plated, two per set



No. 39020

HOOD PIN BRACKET, 3/8 INCH DIAMETER PINS

- Makes mounting and aligning a 3/8" Diameter hood pin easier than previous methods
- Made out of 1/8" thick Stainless Steel
- Can be bolted and/or welded into place
- Finish of the bracket can be painted, polished or left as is

PART # DESCRIPTION

39025 Hood Pin Bracket, 3/8" Diameter Pins



QUICK FASTENERS & SPRINGS

- **QUICK FASTENERS**, 5/16", 7/16"
 Fasteners Provide Quick Fastening Of Body Panels, Door, Tilt Front Ends, Fiberglass To Metal, Metal To Metal, Etc.
- Ten Per Package
- Use with Spring Nos. 71400, 71410, 71420, 71425 or 71430

Style of Head	Size	Body	Material	Finish	Part #	
Flush Head, Slotted	5/16"	.400" Short Body	Steel	Silver	71291	
Flush Head, Slotted	5/16"	.400" Short Body	Aluminum	Aluminum	71295	
Flush Head, Slotted	5/16"	.450" Short Body	Steel	Silver	71293	
Flush Head, Slotted	5/16"	.450" Short Body	Aluminum	Aluminum	71296	
Flush Head, Slotted	5/16"	.500" Medium Body	Steel	Silver	71294	
Flush Head, Slotted	5/16"	.500" Medium Body	Aluminum	Aluminum	71297	No. 71291
Flush Head, Slotted	5/16"	.550" Long Body	Steel	Silver	71299	1101 11201
Flush Head, Slotted	5/16"	.550" Long Body	Aluminum	Aluminum	71298	
Flush Head, Slotted	7/16"	.400" Short Body	Steel	Silver	71280	
Flush Head, Slotted	7/16"	.400" Short Body	Aluminum	Aluminum	71302	
Flush Head, Slotted	7/16"	.450" Short Body	Steel	Silver	71290	> 65
Flush Head, Slotted	7/16"	.450" Short Body	Aluminum	Aluminum	71312	
Flush Head, Slotted	7/16"	.500" Medium Body	Steel	Silver	71300	No. 71311
Flush Head, Slotted	7/16"	.500" Medium Body	Aluminum	Aluminum	71301	110. 11011
Flush Head, Slotted	7/16"	.550" Long Body	Steel	Silver	71310	
Flush Head, Slotted	7/16"	.550" Long Body	Aluminum	Aluminum	71311	
Oval Head, Slotted	5/16"	.300" Short Body, Undercut	Steel	Silver	71341*	
Oval Head, Slotted	5/16"	.400" Short Body, Undercut	Steel	Silver	71340*	Contract of the second
Oval Head, Slotted	5/16"	.400" Short Body	Aluminum	Aluminum	71329	***************************************
Oval Head, Slotted	5/16"	.450" Short Body	Steel	Silver	71325	No. 71351
Oval Head, Slotted	5/16"	.450" Short Body	Aluminum	Aluminum	71330	
Oval Head, Slotted	5/16"	.450" Short Body	Aluminum	Black	71327	_ 🙈
Oval Head, Slotted	5/16"	.500" Medium Body	Steel	Silver	71345	
Oval Head, Slotted	5/16"	.500" Medium Body	Steel	Black	71346	Ca 02.10
Oval Head, Slotted	5/16"	.500" Medium Body	Aluminum	Aluminum	71331	
Oval Head, Slotted	5/16"	.500" Medium Body	Aluminum	Black	71333	No. 71354
Oval Head, Slotted	5/16"	.550" Long Body	Aluminum	Aluminum	71332	NO. 11554
Oval Head, Slotted	3/16 7/16"	.400" Short Body	Steel	Silver	71332 71349	WEIWI
Oval Head, Slotted	7/16" 7/16"	.400" Short Body	Aluminum	Aluminum	71353	
Oval Head, Slotted	7/16" 7/16"	.450" Short Body	Steel	Silver	71359	
·	7/16" 7/16"	.450" Short Body	Steel	Black	71358	
Oval Head, Slotted	7/16 7/16"	.450" Short Body	Aluminum	Aluminum	71363	
Oval Head, Slotted Oval Head, Slotted	7/16" 7/16"	.450" Short Body	Aluminum	Black	71365	N 710CC
·	7/16" 7/16"	.500" Medium Body	Steel	Silver	71350	No. 71355
Oval Head, Slotted	7/16 7/16"	.500" Medium Body	Steel	Black	71350 71354	NEW
Oval Head, Slotted	7/16 7/16"	.500" Medium Body	Aluminum	Aluminum	71354 71351	
Oval Head, Slotted	7/16 7/16"	•			71355 200	
Oval Head, Slotted	7/16 7/16"	.500" Medium Body .550" Long Body	Aluminum Steel	Black Silver	71360	
Oval Head, Slotted	7/16 7/16"	.550" Long Body	Aluminum	Aluminum	71360 71361	N 740C0
Oval Head, Slotted	7/16 7/16"				71364 200	No. 71356
Oval Head, Slotted	7/16 7/16"	.550" Long Body .400" Short Body	Aluminum	Black	71304 4	
Oval Head, 3/16" Hex Drive		· · · · · · · · · · · · · · · · · · ·	Steel	Silver		All and a second
Oval Head, 3/16" Hex Drive	7/16"	.450" Short Body	Steel	Silver	71275	
Oval Head, 3/16" Hex Drive	7/16"	.500" Medium Body	Steel	Silver	71352	
Oval Head, 3/16" Hex Drive	7/16"	.500" Medium Body	Aluminum	Black	71356	
Oval Head, 3/16" Hex Drive	7/16"	.550" Long Body	Steel	Silver	71362	400
Butterfly Head	5/16"	.400" Short Body	Steel	Silver	71276	No. 71362
Butterfly Head	5/16"	.450" Short Body	Steel	Silver	71277	
Butterfly Head	5/16"	.500" Medium Body	Steel	Silver	71278	\sim
Butterfly Head	5/16"	.550" Long Body	Steel	Silver	71279	
Butterfly Head	7/16"	.400" Short Body	Steel	Silver	71260	
Butterfly Head	7/16"	.450" Short Body	Steel	Silver	71270	
Butterfly Head	7/16"	.500" Medium Body	Steel	Silver	71271	No 71900
Butterfly Head	7/16"	.550" Long Body	Steel	Silver	71272	No. 71260

 * Use with Fastener Spring Nos. 71425 and 71430

SELF-EJECTING FASTENERS

SELF-EJECTING QUICK FASTENERS. 5/16"

- These Spring Loaded Buttons Guarantee A Quick Release
- The spring holds the button captive so that it can't be dropped underneath the car or into some hard-to-get-at area of the chassis
- A necessity for quick pit work in racing
- Use Spring No. 71430 as a replacement
- Ten per package

							ion per paemage
WENT		Part #	Finish	Material	Body & Grip Range	Size	Style of Head
		71440	Silver	Steel	.400" Short Body, .098" to .133"	5/16"	Flush Head, Slotted
	N/EW/	71441	Black	Aluminum	.400" Short Body, .098" to .133"	5/16"	Flush Head, Slotted
No. 71441		71450	Silver	Steel	.450" Short Body, .148" to .183"	5/16"	Flush Head, Slotted
NU. 11441	WEW!	71451	Black	Aluminum	.450" Short Body, .148" to .183"	5/16"	Flush Head, Slotted
NEWY		71500	Silver	Steel	.500" Medium Body, .198" to .233"	5/16"	Flush Head, Slotted
	WEW!	71501	Aluminum	Aluminum	.500" Medium Body, .198" to .233"	5/16"	Flush Head, Slotted
	N/EW/	71502	Black	Aluminum	.500" Medium Body, .198" to .233"	5/16"	Flush Head, Slotted
	N/EW/	71505	Silver	Steel	.550" Long Body, .250" to .325"	5/16"	Flush Head, Slotted
No. 71501	N/EW/	71506	Aluminum	Aluminum	.550" Long Body, .250" to .325"	5/16"	Flush Head, Slotted
NO. 11501	MENN!	71507	Black	Aluminum	.550" Long Body, .250" to .325"	5/16"	Flush Head, Slotted
		71530	Silver	Steel	.650" Long Body, .348" to .383"	5/16"	Flush Head, Slotted
	N/EW/	71531	Aluminum	Aluminum	.650" Long Body, .348" to .383"	5/16"	Flush Head, Slotted
	N/EW/	71532	Black	Aluminum	.650" Long Body, .348" to .383"	5/16"	Flush Head, Slotted
		71460	Silver	Steel	.400" Short Body, .098" to .133"	5/16"	Butterfly Head
		71470	Silver	Steel	.450" Short Body, .148" to .183"	5/16"	Butterfly Head
No. 71510		71510	Silver	Steel	.500" Medium Body, .198" to .233"	5/16"	Butterfly Head
		71540	Silver	Steel	.650" long body, .348" to .383"	5/16"	Butterfly Head

LARGE HEAD SELF-EJECTING QUICK FASTENERS, 7/16"

- Heavy duty to allow repeated use with a fastener tool allen wrench or a ratchet without stripping
- A Larger size distributes the load over a larger area to avoid pull-through
- The spring holds the button captive so that it can't be dropped underneath the car or into some hard-to-get-at area of the chassis
- · A necessity for quick pit work in racing
- Use Spring Nos. 71400, 71410, 71420, 71425, or 71430
- Ten per package

Style of Head	Size	Body & Grip Range	Material	Finish	Part #		60-
Large Flush Head, Slotted	7/16"	.500" Medium Body, .198" to .233"	Steel	Silver	71370		
Large Flush Head, Slotted	7/16"	.500" Medium Body, .198" to .233"	Steel	Gold	71371		
Large Flush Head, Slotted	7/16"	.500" Medium Body, .198" to .233"	Steel	Black	71372		N 71070
Large Flush Head, Slotted	7/16"	.500" Medium Body, .198" to .233"	Aluminum	Aluminum	71373	WEW	No. 71370
Large Flush Head, Slotted	7/16"	.550" Long Body, .250" to .325"	Steel	Silver	71375		
Large Flush Head, Slotted	7/16"	.550" Long Body, .250" to .325"	Steel	Gold	71376		
Large Flush Head, Slotted	7/16"	.550" Long Body, .250" to .325"	Steel	Black	71377		
Large Flush Head, Slotted	7/16"	.550" Long Body, .250" to .325"	Aluminum	Aluminum	71378	WEW!	N 71000
Large Flush Head, Slotted	7/16"	.550" Long Body, .250" to .325"	Aluminum	Black	71379	NEW!	No. 71322
Large Flush Head, 3/16" Hex Drive	7/16"	.500" Medium Body, .198" to .233"	Steel	Silver	71380		
Large Flush Head, 3/16" Hex Drive	7/16"	.500" Medium Body, .198" to .233"	Steel	Gold	71381		
Large Flush Head, 3/16" Hex Drive	7/16"	.550" Long Body, .250" to .325"	Steel	Silver	71382		
Large Flush Head, 3/16" Hex Drive	7/16"	.550" Long Body, .250" to .325"	Steel	Gold	71383		No. 71371





B SPRING HEIGHT

D TOTAL THICKNESS

REPLACEMENT FASTENER SPRING

- Designed for use with Moroso's flush, oval head and butterfly fasteners
- Ten per package
- Determine (1) TOTAL THICKNESS of panels being joined (including space in between if any)
- Select the appropriate A BODY LENGTH and SPRING HEIGHT (1) combination to provide the desired thickness range

FASTENER SELEC	TION CHART	B	A				
		SPRING	BODY LENGTH				
PART NUMBER	WIRE DIA.	HEIGHT	.400" BODY	.450" BODY	.500" BODY	.550" BODY	.650" BODY
1" Springs			TOTAL MATERIAL THICK	KNESS RANGE			
71425	.080"	(.250")	.165200"	.215250"	.265300"	.315350"	.365400"
71430	.080"	(.325")	.098133"	.148183"	.198233"	.248283"	.348383"
1-%" Springs							
71420	.090"	(.325")	.105148"	.155198"	.205248"	.255298"	.355398"
71410	.090"	(.375")	.055098"	.105148"	.155198"	.205248"	.305348"
71400	.090"	(.425")	.005048"	.055098"	.105148"	.155198"	.255298"

OUICK FASTENER REINFORCING PLATES

- Reinforcement plates provide a secure metal backing for long lasting service
- Solves the problem of quick release fastener attachment rivets pulling out of fiberglass hood and body panels after repeated usage
- Also prevents fastener spring brackets from cutting into body panels
- Use with Quick Fastener Nos. 71280, 71290, 71300, 71310, 71350, or 71360
- Ten per package



PART# DESCRIPTION Quick Fastener 71490

Reinforcing Plates, .022" Thick

LARGE DIAMETER QUICK FASTENER REINFORCING PLATES

- Large 1-3/4" diameter aluminum reinforcement plates provide a sure foundation for quick fasteners
- Use them on thin gauge fiberglass and metal
- Ten per package

PART # DESCRIPTION

71495 Large Diameter Quick Fastener Reinforcing Plates, .032" thick



No. 71495

QUICK FASTENER MOUNTING BRACKETS. 5/16"

For Self-Eject Fasteners

- Brackets can be welded or fastened to any member of the car to provide a convenient pop rivet mount for self-ejecting fastener springs
- Use with Nos. 71340, 71345, 71430, 71425, 71440, 71450, 71460, 71470, 71500, **71510, 71530** or **71540**



71550 Quick Fastener Mounting Bracket, Steel, Ten per pack, Use with Nos. 71430 or 71425 springs, .062" thick

Quick Fastener Mounting Bracket, Steel, Ten per pack, .059" thick, 71551 accepts 1" or 1.375" springs, Flat

Quick Fastener Mounting Bracket, same as No. 71551 except bent at 90° 71552 angle for mounting to firewalls, frame tubes, etc. Ten per pack, .059" thick, accepts 1" or 1.375" springs

71553 Quick Fastener Mounting Bracket, Steel, Lightweight 45°, accepts 1" springs, Ten per pack, .069" thick

Quick Fastener Mounting Bracket, Use these steel brackets anywhere 71555 a strong mounting tab is needed for a neat installation, e.g., hood mounts, panel mounts, accessory mounts, etc. Can be used with Heat Shield Kit No. 68572 when mounting to steel valve covers, Two per pack, .100" thick

71556 Quick Fastener Mounting Bracket, Same as No. 71555 in Aluminum, Two per pack, .100" thick



No. 71550



No. 71552



No. 71553



No. 71555

OUICK FASTENER MOUNTING BRACKETS. 2/16"

For Standard & Self-Eject Fasteners

- Steel bracket can be welded or fastened to any member of the car to provide a convenient pop rivet mount for fastener springs
- Use with Nos. 71301, 71311, 71351, 71361, 71352, 71362, 71371, 71376, 71380, **71381, 71382,** or **71383**
- Ten per package

No. 71554

PART # **DESCRIPTION**

71554 Quick Fastener Mounting Bracket, .069" thick, accepts 1.375" springs, dimpled, standard fasteners 71557 Quick Fastener Mounting Bracket, .060" thick, accepts 1.375" springs, dimpled, Self E-ject fasteners

QUICK FASTENER MOUNTING BRACKET. ALUMIMUM 7/16" FASTENERS

For Standard Fasteners

- Aluminum bracket can be welded or fastened to any member of the car to provide a convenient pop rivet mount for standard fastener springs
- Use with Moroso Nos. 71370, 71371, 71372, 71375, 71376, 71377, 71380, 71381, 71382 or 71383
- Ten per package

PART # DESCRIPTION

71559 Quick Fastener Mounting Bracket, Aluminum, .120" thick, for 7/16" Fasteners & 1-3/8" Springs





No. 71559



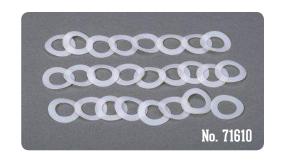
FASTENERS

QUICK FASTENER WASHERS

- One of these tough Teflon washers under each quick fastener will protect your car's finish from otherwise hard-to-prevent scratches
- · A must for the conscientious car owner
- Package of 25
- Fits all quick fasteners

PART # DESCRIPTION

71610 Quick Fastener Washers



QUICK FASTENER WRENCH

- This tool fits slot-head 1/4-turn fasteners far better than a screwdriver, reducing the possibility of damaged fasteners and body panels
- Manufactured of zinc plated spring steel with three different sized radii to match the slots in various 1/4-turn fasteners
- Includes non-slip, plastic hand grip
- One tool per pack

PART # DESCRIPTION
71600 Ouick Easterner

71600 Quick Fastener Wrench



QUICK FASTENER WRENCHES

With Easy Grip Handles

- Allows for faster removal of 1/4-turn fasteners
- Features include a high strength steel shank plated with black zinc for durability
- The slot head blade on No. 71606 is contoured to fit inside the 1/4-turn fastener without stripping the slot
- · One per package

PART # DESCRIPTION

71606 Quick Fastener Wrench, ¾" Slot Head 71607 Quick Fastener Wrench, ¾6" Hex Drive

No. 71606 No. 71607

QUICK FASTENER SINKING TOOL

- Ideal for sinking flush-mount quick fasteners
- The two piece steel tool dimples a single metal panel using one end and a double panel using the other
- · Zinc-plated
- One tool per package

PART # DESCRIPTION

71605 Quick Fastener Sinking Tool



No. 71605

QUICK FASTENER TRANSFER STUD PUNCH KITS

Place the Transfer Stud Punch in a weld plate or body panel. Then position your panel over top of it and lightly tap the panel with a hammer and you'll be left with a mark in your panel where you drill your hole

• 5 per pack

PART # DESCRIPTION

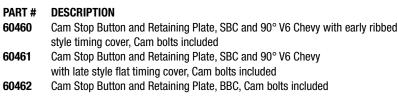
71601 Transfer Stud Punch Kit for 5/16" Buttons, 5 per kit **71602** Transfer Stud Punch Kit for 7/16" Buttons, 5 per kit



FASTENER TOOLS & QUICK RELEASE PINS

CAM STOP BUTTONS

- Professional engine builders are familiar with camshaft "walk" when excessive end play produces erratic spark timing and the timing chain/gear "eats" the timing cover
- Moroso solves the problem with a highly wear resistant button mounted in an aluminum holder and bolted to the cam timing gear by way of a retaining plate
- The button assembly does not allow the cam to "walk" forward, stabilizing ignition timing and preventing costly engine repair





No. 60460

CAMSHAFT BOLT

- Don't let a broken camshaft bolt ruin your motor!
- Hex head 5/16"-18 camshaft bolts are manufactured from tough Grade 8 steel with a black oxide finish
- Three per pack; includes retaining plate
- Should be used with Cam Stop Button Nos. 60460, 60461 and 60462 shown above

DESCRIPTION

Chevy Camshaft Bolts with Retainer 60464



No. 60464

QUICK RELEASE PINS

Heavy-Duty, Aircraft Quality

- These "T" handled quick release pins offer the racer the ultimate in quick release fastening
- Supplied in all popular sizes
- Two per package

PART #	DESCRIPTION
90380	Quick Release Pins, 1/4" dia. x 1" long,
	Double shear load of 9,200 lbs. when properly mounted
90390	Quick Release Pins, 1/4" dia. x 1-1/2" long,
	Double shear load of 9,200 lbs. when properly mounted
90395	Quick Release Pins, 1/4" dia. x 2",
	Double shear load of 9,200 lbs. when properly mounted
90400	Quick Release Pins, 5/16" dia. x 1" long,
	Double shear load of 14,400 lbs. when properly mounted
90401	Quick Release Pins, 5/16" dia. x 1-1/2" long,
	Double shear load of 12,800 lbs, when properly mounted
90402	Quick Release Pins, 5/16" dia. x 2" long,
	Double shear load of 14,400 lbs. when properly mounted
90404	Quick Release Pins, 5/16" dia. x 3" long,
	Double shear load of 14,400 lbs. when properly mounted
90410	Quick Release Pins, %" dia. x 1" long,
	Double shear load of 20,600 lbs. when properly mounted
90415	Quick Release Pins, 3/8" dia. x 1-1/2" long,
	Double shear load of 18,400 lbs. when properly mounted
90420	Quick Release Pins, 3/8" dia. x 2" long, Double shear
	load of 20,600 lbs. when properly mounted
90430	Quick Release Pins, 3/8" dia. x 3" long, Double shear
	load of 20,600 lbs. when properly mounted
90440	Quick Release Pins, ½" dia. x 2-½" long, Double
	shear load of 36,800 lbs. when properly mounted



No. 90430

ANTI-ROLL KITS

CLEVIS ENDS

- Moroso Clevis End are designed to help solve all kinds of fastening and suspension problems where rod ends would not be practical
- Allows adjustment both radially &laterally while placing the holding bolt under shear load
- Made from 4130 chrome moly steel with iridite finish
- Two per package

PART # DESCRIPTION

90770 Clevis Ends, $\frac{1}{2}$ " -20 thread on shank, $\frac{5}{16}$ " bolt holes, $\frac{1}{4}$ " slot



No. 90770

UNIVERSAL ANTI-ROLL KITS

- Brake line locks are used in Drag Racing to lock the front wheels and hold the car in the water box for the burnout, or to prevent creeping in the lights
- Anti-roll design has better holding power than any other unit currently available
- Enhanced version (No. 44052) has a check valve which allows you to pump up the brakes while actuated
- · Will work in applications with ABS
- Kit contains a heavy duty push button switch, switch bracket, coiled wire, rebuildable line-lock valve, fuse holder, and indicator light
- Extruded aluminum shifter handle mounting bracket is far superior to any other in use today
- Heavy-duty construction and quality components provide reliable operation after repeated use
- Universal Momentary Switch No. 74122 available separately

PART # DESCRIPTION
44050 Universal Anti-Roll Kit
44052 Universal Anti-Roll Kit, Enhanced

NOTE: Continuous use of solenoid for more than 30 seconds will damage the coil.



No. 44052

PRESS-IN WHEEL STUDS

- Exceeds sanctioning bodies requirements on the use of extra long wheel studs with thick-hub racing wheels
- Manufactured from high grade SAE 8740 steel to withstand sheer loads of 190,000 psi (which exceeds Grade 8 specifications)
- Feature a "quick start dog end" for easier starting of lug nut installation
- 5 per package
- . Made in the U.S.A.

LUG NUTS

FITS OUR PRESS-IN WHEEL STUDS

- Manufactured from high grade steel for resistance to fatigue and stress
- Meets NHRA 5.2 rule of hex being length of diameter of stud
- 60° Seat
- · Black Oxide finish
- 5 per package
- Made in the U.S.A.





When installing a set of Moroso Wheel Studs, it is necessary to measure the knurl diameter of the stud and hole size in the rotor or axle. The hole size in the rotor or axle may have to be opened up with a drill bit or ream to achieve the proper .002"—.009" press fit.

PRESS-IN WHEEL STUDS



SEE CHART BELOW FOR SPECIFIC APPLICATIONS

PRESS-IN WHEEL STUD LUG NUTS





PRESS-IN WHEEL STUD & LUG	NUT APP	LICATION	CHART, 5	PER PACK
APPLICATION DESCRIPTION	STANDARD HOLE SIZE	WHEEL STUD Part #	LUG NUT Part #	COMB. WHEEL Stud/Lug Nut Part #
7/6" -20 x 2-7/8", .480" diameter knurled stud, 3/4" hex nut Fits: Most late model GM drum brake applications	.472" to .479"	46150	46320	46450
7/6" -20 x 2-7/8", .560" diameter knurled stud, 3/4" hex nut Fits: Most late model GM disc brake and early drum applications	.552" to .559"	46160	46320	46460
½" -20 x 3", .615" diameter knurled stud, ½" hex nut Fits: Most late model Ford front and rear disc brake, 2005-Up Mustang rear and Chrysler front	.606" to .613"	46180	46330	46480
½" -20 x 3", .594" diameter knurled stud, 1¾6" hex nut Fits: 1979-04 Mustang, 2005 and up Mustang front. Also has a flat on head for front hubs with ABS	.590" (15mm)	46185	46330	46485
1/2" -20 x 3", .685" diameter knurled stud, 13/16" hex nut Fits: Most Chrysler rears with 1/2" stud	.676" to .683"	46190	46330	46490
½" -20 x 3", .563" diameter knurled stud, ¹ ¾6" hex nut Fits: ½" Frankland hubs	.554" to .561"	46220	46330	46420
%"- 18 x 3", .672" diameter knurled stud, $%$ " hex nut Fits: Circle Track applications	.663" to .670"	46240	46340	46440
12 mm x 1.5 x 3.25", .509" diameter knurled stud, 19mm hex nut Fits: Late model Corvette, 3rd, 4th Gen. Camaro & Firebird	.482" to 492"	46245	46345	46445

NOTE: All Stud lengths are measured from the base of the knurl to the end of the stud.

BRAKE & WHEEL EQUIPMENT

SCREW-IN TYPE WHEEL STUDS

- Larger shank diameter provides additional metal to metal contact with the wheel for reduced stud flex and increases strength
- Eliminates the need for aftermarket shoulder type lug nuts and simplifies wheel installation
- Set comes complete with flat type lug nuts and stud spacers to fit various thicknesses of disc brake hats
- 5 per pack

PART # DESCRIPTION

46140 Wheel Studs, Overall Length 5%" -18 x 4-13/32", Screw-in, 11/16" dia. center shank between two 5%" -18 threaded ends. Drag Race only.

PART # 97730

97732

REPLACEMENT PARTS

No. 46140

97730 Flange Nut **97731** Wheel Stud

Wheel Stud Spacer, .567" Wheel Stud Spacer, 1.25"

SOCKET HEAD SCREW-IN TYPE WHEEL STUDS

• 5 per pack

PART # DESCRIPTION

46200 Wheel Studs, ½" -20 x 3" Screw-in, Socket Head Cap Screw,

fits all aftermarket axles with 1/2" -20 threads.



No. 46200

DOUBLE END LUG NUTS

- Double end lug nuts designed for oval track racers
- Both ends are chamfered to a 45° angle, thus eliminating the possibility of putting the lug nut on backwards during quick pit stops
- Five per package
- Use with Pit Socket No. 62010 for even faster pit stops (No. 46310 only)
- 5 per pack

PART # DESCRIPTION

46300 Double End Lug Nut, ¹³/₁₆" Hex x ¹/₂" -20 **46310** Double End Lug Nut, 1" Hex x ⁵/₈" -18



No. 46300

PIT SOCKET

- Thick-walled socket with six-point surface contact and large chamfer insures fast, clean engagement on the lug nut
- Manufactured of alloy steel and carefully heat treated for maximum strength to prevent lug nut damage
- Accepts 1/2" drive, and fits 1" lug nuts

PART # DESCRIPTION 62010 Pit Socket



No. 62010

WHEEL RIM SCREWS

- Manufactured from rugged Grade 8 steel to withstand the extreme loading placed on today's racing tires
- Self-tapping screws feature a built-in washer face for maximum holding strength
- Finished in gold iridite
- Use with 3/8" Socket

PART # DESCRIPTION

90100 Wheel Rim Screws, $\frac{1}{4}$ " dia. x $\frac{3}{4}$ " long. Pack of 35 Wheel Rim Screws, $\frac{1}{4}$ " dia. x $\frac{3}{4}$ " long. Pack of 500



No. 90100

NOTE: Drill wheels with ¹³/₆₄" drill bit (not included). Do not drill oversize.

FRONT SPRINGS

TRICK FRONT SPRINGS

- Designed for Drag Racing where maximum weight transfer is needed
- Trick Front Springs are tall, small wire diameter coil springs that hold a great amount of stored energy for instant weight transfer
- Replaces stock 0EM springs with no modifications required
- Two per package





TRICK FRONT SPRINGS APPLICATION CHART

MAKE/MODEL	V	Front End	Coil Spring	Trick Front		* NOT	E: Front End Weig	ht is as race	d with driv
MAKE/MODEL	Years	Weight (LBS.)*	Rate (LBS./IN.)	Spring Part #	Chevrolet El Camino	1978-88	1600-1660 1660-1720	212 242	47130 47205
Buick Apollo	1975-79	1840-1910	212	47180					
<i>Виіск Аропо</i>	1975-79	1910-1970	230	47175	Chevrolet El Camino	1000 72	1720-1800	250	47135
		2010-1970	230 270	47175 47170	Chevrolet El Camino	1968-72	1610-1680	242 250	47160
Buick Apollo	1968-74	1550-1640	213	47150	Chorrolet Er cumme		1680-1750		47190
Биіск Аропо	1900-74		ł	1 1		1004.07	1750-1810	260	47200
		1690-1750 1700-1750	240 241	47140 47165		1964-67	1550 -1640	213	47150
			l	1			1690-1750	240	47140
Buiek C N	1070.00	1730-1780	250	47195			1700-1750	241	47165
Buick G.N.	1978-88	1600-1660 1660-1720	212	47130	01	1070.00	1730-1780	250	47195
			242	47205	Chevrolet Malibu	1978-88	1600-1660	212	47130
Duist CC	1000 70	1720-1800	250	47135			1660-1720	242	47205
Buick GS	1968-72	1610-1680	242	47160	0	1000 =0	1720-1800	250	47135
		1680-1750	250	47190	Chevrolet Malibu	1968-72	1610-1680	242	47160
Dut-t- 00	1001.07	1750-1810	260	47200			1680-1750	250	47190
Buick GS	1964-67	1550-1640	213	47150	0	4004.0=	1750-1810	260	47200
		1690-1750	240	47140 47165	Chevrolet Malibu	1964-67	1550 -1640	213	47150
		1700-1750	241	47165			1690-1750	240	47140
Buiek Panal	1070.00	1730-1780	250	47195			1700-1750	241	47165
Buick Regal	1978-88	1600-1660	212	47130		4000 55	1730-1780	250	47195
		1660-1720	242	47205	Chevrolet Monte Carlo	1978-88	1600-1660	212	47130
Desire to Desiret	1000 70	1720-1800	250	47135	Gario		1660-1720	242	47205
Buick Regal	1968-72	1610-1680	242	47160			1720-1800	250	47135
		1680-1750	250	47190	Chevrolet Monte Carlo	1968-72	1610-1680	242	47160
		1750-1810	260	47200	Gario		1680-1750	250	47190
Buick Skylark	1968-72	1610-1680	242	47160			1750-1810	260	47200
		1680-1750	250	47190	Chevrolet Nova	1975-79	1840-1910	212	47180
		1750-1810	260	47200			1910-1970	230	47175
Buick Skylark	1964-67	1550-1640	213	47150			2010-2100	270	47170
		1690-1750	240	47140	Chevrolet Nova	1968-74	1550 -1640	213	47150
		1700-1750	241	47165			1690-1750	240	47140
		1730-1780	250	47195			1700-1750	241	47165
Buick Special	1968-72	1610-1680	242	47160			1730-1780	250	47195
		1680-1750	250	47190	Chevrolet Nova/	1962-67	1200-1250	217	47230
		1750-1810	260	47200	Chevy II	1000 70	1010 1000	040	474.00
Buick Special	1964-67	1550-1640	213	47150	Ford Fairlane	1966-70	1610-1680	242	47160
		1690-1750	240	47140			1680-1750	250	47190
		1700-1750	241	47165	Faul Martan	1070.01	1750-1810	260	47200
		1730-1780	250	47195	Ford Mustang	1979-04	1750-1900	250	47220
Chevrolet Bel Air	1955-57	1550 -1640	213	47150	Ford Mustang	1964-73	1610-1680	242	47160
		1690-1750	240	47140			1680-1750	250	47190
		1700-1750	241	47165	Manager Carrie	1070 00	1750-1810	260	47200
		1730-1780	250	47195	Mercury Capri	1979-86	1750-1900	250	47220
Chevrolet Camaro	1993-02	1500-1700	275	47240	Mercury Comet	1966-69	1610-1680	242	47160
Chevrolet Camaro	1982-92	1680-1750	220	47210			1680-1750	250	47190
		1750-1870	250	47215	Oldon stills C. II	1070 00	1750-1810	260	47200
Chevrolet Camaro	1970-81	1840-1910	212	47180	Oldsmobile Cutlass	1978-88	1600-1660	212	47130
		1910-1970	230	47175			1660-1720	242	47205
		2010-2100	270	47170			1720-1800	250	47135
Chevrolet Camaro	1967-69	1550 -1640	213	47150	Oldsmobile Cutlass Oldsmobile Cutlass	1968-72	1610-1680	242	47160
		1690-1750	240	47140	อเนอเกอมแซ อนแสธร		1680-1750	250	47190
		1700-1750	241	47165		405.5 ==	1750-1810	260	47200
		1730-1780	250	47195		1964-67	1550 -1640	213	47150
Chevrolet Chevelle	1968-72	1610-1680	242	47160	7		1690-1750	240	47140
		1680-1750	250	47190			1700-1750	241	47165
		1750-1810	260	47200			1730-1780	250	47195
Chevrolet Chevelle	1964-67	1550 -1640	213	47150	Oldsmobile 442	1978-88	1600-1660	212	47130
		1690-1750	240	47140			1660-1720	242	47205
		1700-1750	241	47165			1720-1800	250	47135
		1730-1780	250	47195					

REAR SPRINGS

Continued

<u>Continued</u>				
Oldsmobile 442	1968-72	1610-1680	242	47160
		1680-1750	250	47190
		1750-1810	260	47200
Oldsmobile 442	1964-67	1550 -1640	213	47150
		1690-1750	240	47140
		1700-1750	241	47165
		1730-1780	250	47195
Oldsmobile Omega	1975-79	1840-1910	212	47180
		1910-1970	230	47175
	1.000 0.0	2010-2100	270	47170
Oldsmobile Omega	1973-74	1550 -1640	213	47150
		1690-1750	240	47140
		1700-1750	241	47165
Donting Firebird	1002.02	1730-1780	250	47195
Pontiac Firebird Pontiac Firebird	1993-02 1982-92	1500-1700	275	47240
Pontiac Firebiru	1902-92	1680-1750 1750-1870	220 250	47210 47215
Pontiac Firebird	1970-81	1840-1910	212	47213
runuac rneunu	1970-01	1910-1970	230	47175
		2010-2100	270	47170
Pontiac Firebird	1967-69	1550 -1640	213	47150
1 onuac i nebna	1307-03	1690-1750	240	47140
		1700-1750	241	47165
		1730-1730	250	47195
Pontiac Grand Am	1978-88	1600-1660	212	47130
i ontido di dila Alii	1070 00	1660-1720	242	47205
		1720-1800	250	47135
Pontiac Grand Prix	1978-88	1600-1660	212	47130
Tomaco arana Tin	1070 00	1660-1720	242	47205
		1720-1800	250	47135
Pontiac GTO	1968-72	1610-1680	242	47160
		1680-1750	250	47190
		1750-1810	260	47200
Pontiac GTO	1964-67	1550 -1640	213	47150
		1690-1750	240	47140
		1700-1750	241	47165
		1730-1780	250	47195
Pontiac LeMans	1978-88	1600-1660	212	47130
		1660-1720	242	47205
		1720-1800	250	47135
Pontiac LeMans	1968-72	1610-1680	242	47160
		1680-1750	250	47190
		1750-1810	260	47200
Pontiac LeMans	1964-67	1550 -1640	213	47150
		1690-1750	240	47140
		1700-1750	241	47165
Dantias Town	1000 70	1730-1780	250	47195
Pontiac Tempest	1968-72	1610-1680	242	47160
		1680-1750	250	47190
Pontino Tompost	1964-67	1750-1810	260 213	47200
Pontiac Tempest	1904-07	1550 -1640 1690-1750	213 240	47150 47140
		1700-1750 1700-1750	240 241	47140 47165
		1700-1750 1730-1780	241 250	47105 47195
Pontiac Ventura	1975-79	1840-1910	212	47180
i viiuav võiituia	1919-19	1940-1910 1910-1970	230	47175
		2010-1970	270	47170
Pontiac Ventura	1971-74	1550 -1640	213	47150
i omuao Tomuna	13,1-74	1690-1750	240	47140
		1700-1750	241	47165
		1730-1780	250	47195
		1730-1700	200	7/133

TRICK REAR SPRINGS

- Computer designed rear springs engineered to compress at a controlled rate when car is launched for optimum "squat"
- Right-side spring is stronger than left, allowing the car to lift evenly upon launch for balanced weight transfer and more consistent 60-foot times
- CNC-wound from high-strength chrome silicon wire to maintain accurate spring rate and to handle the abuse of hard launches

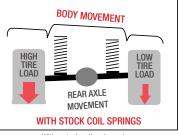


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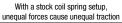
- Replaces stock OEM springs with no modifications required
- Track proven by professional racers for optimum performance
- Two per package with black painted finish

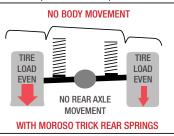
TRICK REAR SPRINGS APPLICATION CHART

MAKE	MODEL	YEAR	PART #
GENERAL MOTORS INTERMEDIATE	Chevelle, GTO, LeMans, Cutlass, 442, Skylark, Gran Sport, Malibu, Monte Carlo, Grand Prix, Regal, Grand National	1968-'72 1978-'87	47500 47520
FORD	Mustang (non i.r.s.)	1979-'04	47510









Moroso Trick Rear Springs equalize these forces to provide balanced traction, eliminating the need for "air bags"



If Front Springs are too high, they may be lowered by cutting off one-half of a coil. Many factors affect the front end height. Wheel offset is a major consideration. A front wheel offset to the outside will increase leverage of the lower A-frame against the coil spring, and the nose of the car will be lower. Disc brake spacers will further affect the height. Adding or removing as little as 50 lbs. can also make a big difference. Take this into consideration when adding a fiberglass hood, aluminum heads, or when putting the battery in the trunk. Although these changes will affect the height of the car, the spring rates will be unaffected as long as you stay within the guidelines of our definitions.

^{*} NOTE: Front End Weight is as raced with driver

HARMONIC BALANCER INSTALLATION TOOLS

- Our Universal Tool (No. 61744) has adapters to fit most popular engines including Chevrolet, Ford, Mopar, KB Hemi, Pontiac, Oldsmobile and Buick
- Choose from several tools designed for specific engine applications
- Each tool uses a pilot stud, which keeps the harmonic balancer perpendicular to the crankshaft's centerline for a bind-free installation
- Thrust bearing and protective washer allows the drive nut to rotate freely so the balancer is pressed on smoothly and evenly





HARMONIC BALANCER INSTALLATION & REMOVAL TOOL KIT

 Innovative tool with multiple adapters installs and removes harmonic balancers quickly and easily without causing damage

1/2", 5/8" and 3/4" threaded openings

- Four heat-treated chrome moly inserts (½", ¾6", ¾" and ¾") fit most popular engines including Chevrolet, Ford, Mopar, KB Hemi, Pontiac, Oldsmobile and Buick
- The CNC-machined tool provides a large contact area to keep the harmonic balancer perpendicular with the centerline of the crankshaft for bind-free action
- Roller thrust bearing allows drive nut to rotate freely so the balancer is pressed on or pulled off smoothly and evenly
- Compact storage case keeps tool and all attachments organized and rust free for years of dependable service
- Black oxide finish

PART # DESCRIPTION

61743 Harmonic Balancer Installation and Removal Tool Kit, Chevy, Ford, Mopar, KB Hemi, Pontiac, Oldsmobile and Buick



HARMONIC BALANCER INSTALLATION & REMOVAL TOOL KIT.

- Innovative tool makes installing and removing GM LS & LT harmonic balancers quick and easy without causing damage
- The CNC-machined tool provides a large contact area to keep the harmonic balancer perpendicular with the centerline of the crankshaft for bind-free action
- Roller thrust bearing allows drive nut to rotate freely so the balancer is pressed on or pulled off smoothly and evenly
- Compact storage case keeps tool and all attachments organized and rust free for years of dependable service
- · Black oxide finish

PART # DESCRIPTION

61745 Harmonic Balancer Installation & Removal Tool Kit, GM LS & LT

HARMONIC BALANCER INSTALLATION & REMOVAL ADAPTER. GM LS & LT

- This adapter allows a Moroso Part **No. 61743** Harmonic Installation & Removal Tool Kit work with the GM LS & LT Series of engines
- Like all of the adapters in the kit this adapter will now make it possible to install and remove GM LS & LT harmonic balancers quickly and easily without causing damage
- Black oxide finish

PART # DESCRIPTION

61746 Harmonic Balancer Installation & Removal Adapter, GM LS & LT











ENGINE TOOLS

CRANKSHAFT SOCKET TOOLS

- Designed to simplify the task of crankshaft rotation during short block assembly with the balancer removed
- Features full steel construction with a zinc-plated finish for corrosion resistance
- Accepts 1/2" drive

61760 Crankshaft Socket Tool, Small Block and 90° V6 Chevy and Super-Duty Pontiac/GM 4 Cyl.

61765 Crankshaft Socket Tool, LS Series Engines with keyway

61770 Crankshaft Socket Tool, Big Block Chevy

61790 Crankshaft Socket Tool, all Small Block Ford, Buick and Pontiac



HONDA/ACURA CRANKSHAFT PULLEY WRENCH

- Fits Honda 1.5L, 1.6L and Acura 1.8L engines
- A cost-effective alternative to the factory tool for turning the engine over or holding the crankshaft pulley in place while removing the pulley bolt
- CNC machined hex fits perfectly into the crankshaft pulley for positive engagement, while the hollow center allows a socket to pass through and unfasten the bolt
- Extra long handle with coated grip supplies the leverage needed to prevent the pulley from moving
- All steel construction with protective black zinc finish will provide years of rust-free, dependable service



PART # DESCRIPTION 61805 Honda/Acura 0

Honda/Acura Crankshaft Pulley Wrench

No. 61757

CRANKSHAFT SOCKET TOOLS

For Degree Wheel

- By removing the crank hub or balancer and using a Moroso Crankshaft Socket Tool, engine builders have a positive way to turn over the engine
- Tool makes it easier to locate TDC and BDC when degreeing camshafts
- Broached keyway allows the socket (which fits ½" drive) to slide over the crankshaft snout and key. A knurled jam nut is then used to position a degree wheel
- Use with Moroso Degree Wheel No. 62190 (11"), No. 62191 (18") or No. 62192 Dual (18")

PART # DESCRIPTION

61755 Crankshaft Socket for Degree Wheel. Fits: Small Block and 90° V6 Chevy, Super-Duty Pontiac/GM 4 Cyl.

61756 Crankshaft Socket for Degree Wheel. Fits: Big Block Chevy

61757 Crankshaft Socket for Degree Wheel. Fits: GM LS Series Engines with keyway

DEGREE WHEELS

- These degree wheels are mandatory for professional engine builders
- Accurately measures several timing functions of an engine: camshaft centerline, valve timing, TDC, BDC, etc.
- Made from heavy gauge metal with a silk screen finish for long-lasting use in shop or track environments
- · Adapter included to fit virtually any engine
- For mounting Degree Wheels, use Crankshaft Socket Nos. 61755 or No. 61756 for Small and Big Block Chevys, and No. 61757 for LS Series Engines with keyway
- Dual Degree Wheel No. 62192 easily degrees your camshafts with NO math and NO calculations
- Dual Degree Wheel No. 62192 features an outer wheel developed by automotive writer David Vizard, which allows for more precise location of cam timing values and reassurance you've made the correct cam location adjustments

 PART # DESCRIF



PART # DESCRIPTION
62190 11" Degree Wheel, primarily for in-car use at the track
62191 18" Degree "Pro WheelTM", for engine stand use
62192 18" Dual Degree "Pro WheelTM", for precise adjustments

ENGINE CLEANING BRUSHES

- It's important to have a clean block especially in critical hard-to-get-at areas of the oiling system
- Each brush is designed for a specific purpose; there are two each of the oil gallery brushes since they get the most wear
- Can also be used on crankshaft oil holes, cylinder heads, etc; bristles are made of nylon which cleans as well as wire but does not scratch

 Set of 	12 brushes	INCLUDES	TWO OF EACH:		INCLUDES OF	NE OF EA
PART # 61820	DESCRIPTION Engine Cleaning Brushes	1/4" dia. 5/16" dia. 3/8" dia.	2" long 2-½" long 2-1/2" long	10" handle 12" handle	½" dia. %" dia. ¾" dia. %" dia.	2-½" 3" lon 3" lon 3" lon
					1-¼" dia.	4" lon



ACH:

½" dia.	2-1/2" long	34" handle
%" dia.	3" long	34" handle
¾" dia.	3" long	34" handle
%" dia.	3" long	12" handle
1-1/4" dia.	4" long	12" handle
5" dia	7" long	18" handle

ENGINE STORAGE BAG

- · Manufactured from heavy 4 mil thick plastic
- Extra-large size covers a complete engine including most headers
- Dimensions: 40" wide x 19-1/2" deep x 47" tall
- One per package

DESCRIPTION PART # 99400 **Engine Storage Bag**



No. 99400

OIL PAN T-HANDLE WRENCHES

Made especially for use on oil pans with power kick-outs

- Oil pans with power kick-outs have access plugs in the bottom for fastening to the engine block—Oil Pan T-Handle Wrenches allow for quicker and easier installation and removal
- No more lost socket or dropped fasteners due to one piece design
- A positive locking tool with a magnetized spring loaded socket that fits into the access holes in the pan
- Moroso Oil Pan T-Handle Wrenches have a 6 point socket with a 12" long shaft
- After using this product, power kick-out oil pan owners will never know how they lived without it

PART #	DESCRIPTION
62255	Wrench, Oil Pan T-Handle, ½", 6 PT
62256	Wrench, Oil Pan T-Handle, 7/16", 6 PT



PISTON INSTALLATION TOOLS

- Designed for fast, easy installation of pistons in most popular bore diameters
- Tapered inner diameter of tool compresses piston rings to proper bore size, completely eliminating chances of unseen ring breakage
- Made from aluminum with a hard-coat anodized finish for long wear

PART #	DESCRIPTION
61840	Piston Installation Tool for 4.030" Bore
61850	Piston Installation Tool for 4.060" Bore
61870	Piston Installation Tool for 4.280" Bore
61880	Piston Installation Tool for 4.310" Bore



No. 61870

ENGINE TOOLS

DIAL INDICATOR STAND

- Rugged steel fixture is a "must have" for the serious engine builder
- The versatile stand will span cylinder bores up to 4-7/16" and makes it easy to check piston dome and deck heights
- Block and head surface problems can be found by the racer who checks everything
- Other uses include checking for flatness, runout, warping, etc.

PART# DESCRIPTION 62050 **Dial Indicator Stand**



No. 62050

CYLINDER HEAD WORK STAND

- Work stand is designed for use with all popular cylinder heads and provides an inexpensive, safe and sure mount for all jobs from porting to cc-ing the chambers
- Disassembles for easy storage in tool box
- Two supports per set

PART# DESCRIPTION

62080 Cylinder Head Work Stand





CYLINDER LEAKAGE TESTERS

- Quickly diagnoses failed or leaking valves, pistons, rings and head gaskets
- Large-diameter 3-1/2" gauge face indicates percentage of leakage rather than psi, eliminating need for math calculations
- Includes 4-foot hose with quick-disconnect fitting
- No. 89600 includes two zinc-plated adapters for 14mm and 18mm plug sizes
- Accessory Adapter available for 14mm plugs on OHC and HEMI engines

PART # DESCRIPTION

89600 Cylinder Leakage Tester, Standard Version 89602 Adapter Leak Tester, OHC and HEMI, 7.43" long

PART # **REPLACEMENT PARTS**

97500 Gauge Head



No. 89600

No. 89602

CYLINDER LEAKAGE TESTERS

The high performance tool you'll pass down from generation to generation!

Moroso asked top engine builders and race teams to give their input during development. The two biggest results—they immediately asked, "When can I buy one?" and thought of even more uses for this versatile product!

- Top of the line components are used in this precision instrument
- Calibrated for high accuracy and repeatability
- Housed in a stand-up, black powder coated steel case to make taking readings easier and to protect the components themselves
- Comes with 14 mm adapter long, 14 mm and 18 mm adapters short, tapered plug adapter and whip lines

PART # DESCRIPTION

89603 Cylinder Leak Down Tester



No. 89603



ENGINE LIFT PLATE

- . Handy tool provides a quick, easy method of attaching an engine lift chain
- Bolts onto the intake manifold for easy engine lifting and seals up the engine when in storage
- Revised version accommodates most 2bbl. and 4bbl. carburetor bolt patterns
- Made of 3/16" zinc plated steel with 1.000 lb. rating

PART # **DESCRIPTION** 62670 **Engine Lift Plate**



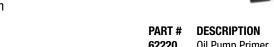
No. 62210

No. 62200

OIL PUMP PRIMERS

- Used to build up oil pressure in a new engine before initial starting
- Remove the distributor and insert the primer to engage the end of the oil pump drive
- The other end of the primer fits a \%" chuck in a hand drill to drive the oil pump
- Black oxide finish resists corrosion

DESCRIPTION



Oil Pump Primer Oil Pump Primer 62220 Fits: Most Chevrolet engines Fits: Ford 351W, 351C, 400, 429, 460 engines. Oil Pump Primer Pump drive end of the primer fits 5/16" hex male end Fits: Ford 289, 302, 390, 428 engines. Pump drive of the oil pump drive

62250 Oil Pump Primer

Fits: Most Chrysler engines and Moroso Blueprinted Oil Pump No. 22162



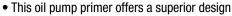
PART #

62200

end of the primer fits 1/4" hex male end of the oil pump drive

OIL PRIMER TOOL

SBC, BBC and 90° V-6 Engines



- Includes bushing to pressurize the valvetrain
- Primes the oil pump right through the distributor hole using an electric drill

No. 62205

PART # DESCRIPTION

62205 Oil Primer Tool, with bushing

VALVE CHECKING SPRINGS

- Greatly simplifies the task of cam degreeing, checking valve-to-piston clearance, etc.
- Designed with 1/8" diameter and 2" height for most popular race engines
- Can be installed by hand without the use of compression tools
- Sold as a set of 8



No. 62380

PART# **DESCRIPTION**

62380 Valve Checking Springs

BAND CLAMP TIGHTENING TOOL

Made especially for Moroso band clamps or other types of band or boot clamps

- Insulating header wrap has proven itself to increase exhaust cycle efficiency, protect crew members from burns, prevent starter, plug wires from coming in contact with hot header pipes and reduces engine compartment temperature.
- Installing header wrap and header wrap clamps has also proven itself for most people to be one of those tasks that could be made easier and this tool accomplishes this.
- Feed the clamp through the end of the tool into the "mouth" of tool, use a %" socket or wrench to wind in a circular pattern until the clamp is tight, turn further still, then the tool will snip the end of the clamp and then pull off.
- Heavy-Duty construction and quality components will provide years of service
- Is also a useful tool to have for the installation of CV joints

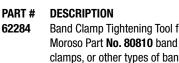


PART#

Band Clamp Tightening Tool for

clamps, or other types of band or

boot clamps.



700

STUD MOUNT VALVE SPRING COMPRESSOR

Heavy Duty

- Makes valve spring changing quicker and easier than conventional methods
- Unlike models offered by other manufacturers, Moroso's stud mount tool fits both %" and %6" rocker studs
- Heavy Duty version of Moroso Stud Mount Valve Spring Compressor features thick laser cut steel and billet aluminum components for day in and day out use
 - The 12" handle gives all leverage needed to compress the strongest springs

PART # DESCRIPTION

62371 Stud Mount Valve Spring Compressor, Heavy Duty

PART # AVAILABLE OPTION

62373 Stud Mount Valve Spring Compressor Heavy Duty Conversion Kit.

Contains all parts necessary to convert Part **No. 62371** to fit single pedestal Jesel Rocker Shaft assemblies



STUD MOUNT VALVE SPRING COMPRESSORS

- Simplifies between-rounds valve spring changing
- Unlike models offered by other manufacturers, Moroso's stud mount tool fits both ¾" and ¾6" rocker studs
- Strong, durable handle withstands the most extreme high pressure valve springs
- The 12" handle gives all the leverage needed to compress the strongest springs

PART # DESCRIPTION

62370 Stud Mount Valve Spring Compressor

PART # AVAILABLE OPTION

62372 Stud Mount Valve Spring Compressor Conversion Kit.

Contains all parts necessary to convert Part No. 62370

to fit Jesel Rocker Shaft assemblies



No. 62372

No. 62370

POWER SPEED CALCULATOR

Moroso's Power-Speed Calculator is like having a dyno in your back pocket!

Using information such as tire size, gear ratios, horsepower and displacement, this handy slide tool works out the relationship between:

- E.T., M.P.H. and power to weight ratios
- Tire diameter to speed and gear ratio
- Engine displacement to compression ratio
- Horsepower measured at flywheel
- Horsepower ratings are calculated for Rear Wheel Horsepower

PART # DESCRIPTION

89650 Power-Speed Calculator

Percent Speed Celebrates | Control of the Celebrates | C

No. 89650

VALVE SEAT PRESSURE TESTER

- The original tool for checking valve seat pressure on an assembled engine!
- Built-in 300-lb. reading scale
- Fits roller rockers on Small Block, Big Block and 90° V6 Chevy; Ford 221-302, 351-400 SVO and Ford Windsor engines, and most other wedge-type engines
- Use with Moroso Stud Mount Valve Spring Compressors Nos. 62370 or 62373 for the most accurate method of maintaining the valvetrain on a fully assembled engine

PART # DESCRIPTION

62390 Valve Seat Pressure Tester



No. 62390

ENGINE TOOLS

LOW-PROFILE DESIGN VALVE SEAT PRESSURE TESTER

• Similar to No. 62390 with low-profile design to fit under windshield and cowl of tube-chassis cars

• Designed by Jerry Haas, the tool features a rocker arm "gripper" machined from billet aluminum

• Scale reading from 160 to 400 lbs, allows testing of springs with higher spring pressures

• Use in conjunction with Moroso Stud Mount Valve Spring Compressors **Nos. 62370** or **62373** for the most accurate method of maintaining the valvetrain on a fully assembled engine

PART # DESCRIPTION

62391 Low-Profile Valve Seat Pressure Tester

No. 62391



VALVE SEAT PRESSURE TESTER

- Built-in 400-lb. reading scale
- Billet aluminum with body pocket to fit taller adjuster nuts used on stud girdles
- Use with Moroso Stud Mount Valve Spring Compressor Nos. 62370 or 62373 for the most accurate method of maintaining the valvetrain on a fully assembled engine

PART # DESCRIPTION

62388 Valve Seat Pressure Tester

62389 Low-Profile Valve Seat Pressure Tester



FENDER COVER

- 34" x 22" Rubber cover printed with Moroso and Competition Engineering Logos
- Non-skid foam backing is safe for your car's finish and will not slide off while working
- Protects fender paint from scratches and grease while working on engine
- Acid/grease resistant, top surface is easily washable with mild solvents or detergents

PART # DESCRIPTION 99406 Fender Cover

No. 99406



CARBURETOR TOOLS

CARBURETOR WORK STAND

- Designed to hold Quadrajet and both standard and spread-bore Holley® carbs, this tool greatly simplifies carburetor work
- Manufactured of cast aluminum with open center and mounting pegs

PART # DESCRIPTION

62070 Carburetor Work Stand

COMPANIA COMPANIA

No. 62070

JET TOOL

- Designed with a stronger, fully machined tip that slides over jet, holding it firmly in place
- Short design, sure-grip handle simplifies jet removal and installation in crowded engine compartments
- Fits all Holley® round-head type carb jets

PART # DESCRIPTION 62293 Jet Tool



CARBURETOR TOOLS

POWER VALVE TESTER

- Convenient tool checks Holley® Power Valves for ruptured diaphragms to prevent engine flooding
- Remove knurled cap and screw in the Power Valve; cut-away section of tool allows visual inspection of valve's operation
- CNC machined from 6061-T6 aluminum and anodized to prevent corrosion
- Requires the use of a hand-operated vacuum tester (available at most auto parts stores)

PART# **DESCRIPTION**

Power Valve Tester, for Holley® Carburetor Power Valves 62295



CARBURETOR DRAIN CUP

- Now you don't have to spill fuel all over the engine when removing fuel-bowl screws to service Holley® carburetors
- Gary Williams-designed Carburetor Drain Cup uses a channel handle to catch dripping fuel and direct it to a holding cup
- Made from fuel resistant polyethylene

PART # **DESCRIPTION** 65805 Carburetor Drain Cup



No. 65805

CARB CAPS

- Keeps dust and other foreign material out of carburetors during transportation and storage
- Manufactured from durable, high-impact plastic
- Thumbscrew included

PART # DESCRIPTION

65802 Carburetor Cap, fits Holley®, Thermoquad and

Quadrajet Carburetors with 5-1/8" diameter neck

Carburetor Cap, fits Holley®, 4500 Dominator 65803

Carburetors with 7-5/16" diameter neck





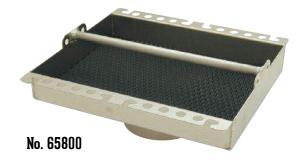


CARB-TOP TOOL TRAYS

- Made from lightweight, durable, .063" aluminum in two styles for Holley® 5-1/8" and 7-5/16" Dominator carburetors
- Also fits other carburetors with similar neck diameters
- Each Tool Tray sits just 2-1/2" above the carburetor and features a convenient handle, 1/8" rubber mat, 16 spark plug holders, 8 plug wire holders and enough room to store a variety of tools for working on just about any engine
- Inside tray dimensions: 10" x 13"

PART # **DESCRIPTION**

65800 Carb-Top Tool Tray, 5-1/8" diameter carburetors 65801 Carb-Top Tool Tray, 7-5/16" diameter carburetors



S70C

MAGNIFYING FLASHLIGHT. LED

For Spark Plugs

- 6.4X Fire Polished, B1-Convex Optic Lens
- Powerful white light LED floods the insulator cavity with light for accurate inspections
- Longer life LED lamp
- Lower voltage for longer battery life
- Easy one-handed on/off switch
- · Black anodized billet aluminum flashlight housing
- 2 AA batteries included

PART # DESCRIPTION

62348 Magnifying Flashlight, LED





SPARK PLUG INDEXER

- High-compression drag race engines require "indexing" of spark plugs to prevent contact between piston dome and ground wire of the spark plugs
- Moroso's "Indexer," designed for both flat and taper-seat 14mm spark plugs, enables selection of spark plugs that will not make such contact
- Once a given plug is selected (placed in a cylinder head and found to have the correct ground wire position), it is placed in the Moroso Plug Indexer and the position of the ground electrode marked on the black anodized surface
- · Marking provides a reference for checking other plugs to be used in the same cylinder
- The hex-head design allows it to be held in a vise

PART # DESCRIPTION
62160 Spark Plug Indexer
PART # AVAILABLE OPTIONS

71900 Spark Plug Indexing Washers, Tapered Seat, .010", .021", .032" **71910** Spark Plug Indexing Washers, Flat Seat, .040", .050", .064"



No. 62160



Spark Plug Indexing Washers on pg. 336

UNIVERSAL SPARK PLUG HOLE AIR HOSE KIT

- Air hose kit makes it easy to pressurize the cylinder to hold the valve closed when changing a valve spring
- Fits all 14mm and 18mm spark plug holes
- Includes a 12" hose and 3 spark plug adapters

PART # DESCRIPTION

62385 Universal Spark Plug Hole Air Hose Kit



No. 62385

IGNITION WIRE TOOLS

IGNITION WIRE STRIPPING TOOL

- Ideal for stripping 8mm Moroso ignition wire without damaging the conductor
- Damage to conductor during stripping can cause interruption of spark and misfire
- Moroso's specially-designed tool uses a hard-edge, razor-sharp blade specially
 positioned in a plastic holder to cut only the insulation—not the conductor

PART # DESCRIPTION

62270 Wire Stripping Tool, 8mm



No. 62270

IGNITION WIRE TOOLS

ENHANCED IGNITION WIRE STRIPPING TOOL

Made especially for stripping 8mm & 8.65mm Moroso Ignition Wire and others

 An easy way to strip wire without damage, which is more likely to occur using other methods

- Simple and efficient operation: place the end of the wire in the "mouth" of the tool, twist in a circular pattern until the cut is made around the wire, then pull off sheath
- Heavy-duty construction and quality components provide reliable operation after repeated use
- After using this Enhanced Stripping Tool, you will never go back to using manual strippers for assembling wire sets again

PART # DESCRIPTION

62272 Enhanced Ignition Wire Stripping Tool, for 8mm & 8.65mm diameter wire







ADJUSTABLE WIRE STRIPPING TOOL

- Strips outer jacket and insulation simultaneously giving a cleaner, precise cut
- For stripping different diameter cable, use the built in hex key adjuster screws to align the blade for desired results
- The V-Block reverses and indication arrow sets to recommended cable size
- The stripper distance can be changed by removing one of the stripping blades

PART # DESCRIPTION

62271 Adjustable Wire Stripping Tool



No. 62271

WIRE CRIMPING TOOLS

• Crimp a variety of spark plug terminals and other automotive wire hardware

PART # DESCRIPTION

62260 62268 General Purpose Wire Crimper. Made of high carbon steel with black oxide finish and plastic hand grips Super-Duty Wire Crimping Tool. Positive ratcheting mechanism adjusted for perfect crimps. Supplied with crimping jaws for Moroso (and others) spark plug wire terminals. Hardened steel frame with blue molded cushion grips. Also comes with additional primary wire crimping jaws



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SUSPENSION TOOLS

COIL-OVER SHOCK ADJUSTING TOOL

- Makes adjusting coil-over shocks much easier than the commonly used hammer and screwdriver method
- Works with Moroso, Competition Engineering, Avo, Hal, Koni, Bilstein, Carrera, Monroe and most other coil-over shocks with adjusting nuts up to 3-1/4" diameter
- Manufactured of cast steel with finger indents for sure-grip operation

DESCRIPTION

62030 Coil-Over Shock Adjusting Tool



No. 62030

PINION WRENCH. REAR END

For: Ford 8.8 " & 9.0 ", GM 10 & 12 Bolt, Dana 60 and others

- Steel tool with 24" handle, for Bolt-On security to pinion using U-Joint bolt holes, the two sets of slots are .56" wide by 1.5" long and .34" wide by 1 3/8" long, used to hold the rear end pinion yoke while tightening or removing the pinion nut
- Quicker and easier way of changing the pinion seal, re-bushing the case or simply torquing the pinion nut

PART # DESCRIPTION

62027 Wrench Pinion, Bolt-On, Ford 8.8" & 9.0", GM 10 & 12 Bolt, Dana 60



WRENCH. PINION COUPLER

- Used to hold the female pinion coupler while tightening and removing the pinion nut on Chrysler 8-3/4", Ford 9", Mark Williams or Strange style pinion assemblies
- Can be used on the tool bench or when the assembly is still in the car
- . This quality-built, steel tool features a 20-tooth head and an 18" long handle for years of service
- The correct way of changing the pinion seal, re-bushing the case or simply torquing the pinion nut

DESCRIPTION PART # 62026 Wrench, Pinion Coupler



No. 62026

FASTENER TOOLS

OUICK FASTENER SINKING TOOL

- · Ideal for sinking flush-mount quick fasteners
- The two piece steel tool dimples a single metal panel using one end and a double panel using the other
- Zinc-plated
- One tool per package



PART # **DESCRIPTION** 71605

Quick Fastener Sinking Tool

OUICK FASTENER TRANSFER STUD PUNCH

Place the Transfer Stud Punch in a weld plate or body panel. Then position your panel over top of it and lightly tap the panel with a hammer and you'll be left with a mark in your panel where you drill your hole

• 5 per pack

DESCRIPTION PART #

71601 Transfer Stud Punch Kit for 5/16" Buttons, 5 per kit 71602 Transfer Stud Punch Kit for 7/16" Buttons, 5 per kit



FASTENER TOOLS

OUICK FASTENER WRENCHES

With Easy Grip Handle

- Allows for faster removal of ¼-turn fasteners
- · Features include a high strength steel shank plated with black zinc for durability
- The slot head blade on No. 71606 is contoured to fit inside the 1/4-turn fastener without stripping the slot
- · One tool per package

PART # DESCRIPTION

71606 Quick Fastener Wrench, 3/8" Slot Head 71607 Quick Fastener Wrench, 3/16" Hex Drive



No. 71606



No. 71607

OUICK FASTENER WRENCH

- This tool fits slot-head 1/4-turn fasteners far better than a screwdriver, reducing the possibility of damaged fasteners and body panels
- Manufactured of zinc plated spring steel with three different sized radii to match the slots in various 1/4-turn fasteners
- Includes non-slip, plastic hand grip
- One tool per package

PART # DESCRIPTION

Quick Fastener Wrench 71600



No. 71600

WHEEL & TIRE TOOLS

PIT SOCKET

- Thick walled socket with six point surface-contact and large chamfer insures fast, clean engagement on the lug nut
- Manufactured of alloy steel and carefully heat treated for maximum strength and prevention of lug nut damage
- Accepts 1/2" drive, and fits 1" lug nuts

DESCRIPTION PART# 62010 Pit Socket







No. 62010

DIGITAL DUROMETER

Includes Case

In racing where thousandth of a second can count, a durometer is used to check on; whether a tire has gotten too hard as it has aged, compare different tires hardness and softness against each other or how a tire responded to a chemical tire softener.

- Calibrated on a Shore type A scale, the scale used to measure the hardness of race and ultra high performance tires.
- Easy to read Digital readout with 1/2" tall numbers
- · Reads to .5 Shore
- Has a hold button to capture the reading on the readout
- Comes with a foam lined plastic case for storage of the unit when not in use

PART # **DESCRIPTION**

89585 Digital Durometer with Case





WHEEL & TIRE TOOLS

TIRE PRESSURE GAUGES. GARAGE SERIES

- A line of gauges that are perfect to check pressures around the garage, where the accuracy of a track air pressure gauge isn't needed and you don't mind your buddies borrowing
- Easy to read 2-1/4" gauge face
- Includes rubber gauge cover
- 16" hose with finger operated air-bleed valve allows you to release pressure quickly
- Hose has easy grip angle chuck end that rotates 360 Deg. for positive valve stem attachment

PART # DESCRIPTION

89592 Tire Pressure Gauge, Garage Series, 0-15 psi
 89593 Tire Pressure Gauge, Garage Series, 0-40 psi
 89594 Tire Pressure Gauge, Garage Series, 0-60 psi
 89595 Tire Pressure Gauge, Garage Series, 0-100 psi



DIGITAL TIRE PRESSURE BACK LIT GAUGES

Accuracy 1/2%

- Strong back lighted display is easily read in the darkest of pits
- 2-%" dia. gauge face
- · Reads to .1 psi
- · Can be adjusted to read in standard and metric units
- · Auto-Off feature to increase battery life
- Battery level on gauge face
- · Includes 9 volt battery
- · Includes rubber gauge cover
- 16-1/4" hose with finger operated air-bleed valve allows you to release pressure quickly
- · Hose has easy grip angle chuck end

PART # DESCRIPTION

89574 Digital Tire Pressure Back Lit Gauge, 0-15 psi
89575 Digital Tire Pressure Back Lit Gauge, 0-60 psi
89576 Digital Tire Pressure Back Lit Gauge, 0-100 psi



STRONG BACK LIGHTED DISPLAY IS EASILY READ IN THE DARKEST OF PITS.

WHEEL & TIRE TOOLS

TIRE PRESSURE GAUGES

Accuracy 2%

- 16-1/4" hose with a finger operated air-bleed valve allows you to release pressure quickly
- Individually calibrated for accuracy within 2%
- The large 2-%" dia. dial face in ½ lb. increments is easy to read, while the hardened swivel chuck rotates 360° for positive valve stem attachment

PART #	DESCRIPTION
89550	Tire Pressure Gauge, dial type, 0-15 psi.
89555	Radial Tire Pressure Gauge, dial type, 0-40 psi.
89560	Tire Pressure Gauge, dial type, 0-60 psi.
89570	Tire Pressure Gauge, dial type, 0-100 psi.
PART #	REPLACEMENT PART
97480	Gauge Head for No. 89550



PRO SERIES TIRE PRESSURE GAUGES

Accuracy 1/2%

- Long 16-1/4" hose with pressure release valve and hardened steel swivel chuck is perfect for getting into deep-dish wheels
- Premium high-quality instruments with brass internals and bourdon tube pressure element provide full-range accuracy to within 1/2%
- Extra-large 4" diameter face and knife-edge pointer eliminate human error
- Adjustable pointer can be calibrated at the race track
- Fiberglass-reinforced thermoplastic housing withstands harsh racing environments
- Rugged polyethylene plastic carrying case is lined with a medium-density, open-cell foam insert to keep gauge protected during transportation and storage
- Includes protective gauge cover

PART # DESCRIPTION

89552 Pro Series Tire Pressure Gauge, 0-15 psi. Major

increments at 3 psi with minor increments at 0.1 psi.

89562 Pro Series Tire Pressure Gauge, 0-60 psi. Major

increments at 10 psi with minor increments at 0.5 psi.



No. 89562

TIRE PRESSURE GAUGE COVER

- Protective rubber cover insures long service and continued accuracy of Moroso 2-%" Tire Pressure Gauges
- Specially designed ribs provide superior protection
- A must for anyone who uses Moroso gauge **Nos. 89550**, **89555**, **89560**, **89570** & **89581** or other 2-5%" O.D. x 1-1%" gauges

PART # DESCRIPTION

89590 Tire Pressure Gauge Cover

NOTE: Not required for Moroso's Lighted Tire Pressure Gauges. Will not fit Pro Series or Digital tire gauges.



No. 89590

SAFETY WIRE

- Moroso Safety Wire is widely used to secure all kinds of fasteners and controls from nuts and bolts to check valves, switches and modulators where a loose or lost component might mean disaster

• Made of .032" diameter 304 stainless steel; comes in 1-lb. containers

PART # DESCRIPTION 62280 Safety Wire



OFFSET ROLL BAR PADDING

- Packaged in single 3-foot lengths
- 3" O.D. padding is extruded from high-density foam
- Inside diameter of 1-5%" is offset by 7/16" to position extra cushioning towards the driver where it's needed the
- Available in black, red, blue and orange

Part #	DESCRIPTION
80939	Offset Roll Bar Padding, Black
80940	Offset Roll Bar Padding, Blue
80941	Offset Roll Bar Padding, Red
80942	Offset Roll Bar Padding, Orange



left to right: No. 80939 / 80940 / 80941 / 80942

ROLL BAR PADDING SFI 45.1 APPROVED

Meets the requirements of NHRA, IHRA, SCCA and other organizations

- SFI 45.1 Specified approved padding, approval marked on padding
- Comes in 36" lengths; 1/8" thickness fits 1-1/8"-2" bar diameter
- Padding backed with pressure-sensitive adhesive and can be cut to size to make installation easy
- Padding exceeds SFI 45.1 rating for dripping or melting in a fire, and is self-extinguishing
- SFI 45.1 approved Roll Bar Padding is more dense than traditional padding, and is designed to absorb the impact energy

PART # DESCRIPTION

80944 Roll Bar Padding, SFI 45.1 Approved, Black



No. 80944



No. 80750



RACE CAR TIE-DOWNS

- Aircraft quality ratchets and super strong 2" wide nylon webbing are combined to offer the ultimate in race car tie-downs
- Capacity of each tie-down is 5000 lbs.
- Simple to operate

DESCRIPTION PART #

80740 Race Car Tie-Down, short clamping range,

2'4" to 5'7"

80750 Race Car Tie-Down, long clamping range,

4' to 7'7"

AXLE TIE-DOWN LOOP

- This strap provides a strong axle loop to hold the vehicle in place on trucks or trailers using a tie-down like Moroso Nos. 80740 or 80750
- 2" wide, 24" long latex-treated woven polyester strap is rated at 3,335 lbs.
- The strap has D-rings at both ends and is protected by a 12" cordura center sleeve to prevent cuts or chafing against bare metal

PART# **DESCRIPTION** 80700 Axle Tie-Down Loop

SOLID STEEL MOTOR MOUNTS

CHEVROLET MOTOR MOUNTS

- Replace stock, OEM-style rubber mounts to eliminate torque loss and binding linkages. a common result of excessive engine movement
- Eliminates the need for bulky torque straps and chains
- Protective zinc plated finished steel, two per pack
- Refer to Motor Mount chart and dimensional diagram for your specific application



PART #	DESCRIPTION	DIMENSIONS (See diagram, right)	REPLACES
62500	Chevrolet Motor Mounts	A: 1-11/16" B: 2-1/2", .250" zinc plated steel	Replaces 0EM #3990914
62510	Chevrolet Motor Mounts	A: 2-1/8" B: 2-3/8", .188" zinc plated steel	Replaces 0EM #3962748
62515	Chevrolet Motor Mounts	A: 2-9/32" B: 2-3/8", .188" zinc plated steel	Replaces 0EM #332648*
62530	Chevrolet Motor Mounts	A: 1-3/4" B: 2-5/8", .188" zinc plated steel	Replaces 0EM #6258154

CHEVROLET MOTOR MOUNT APPLICATION CHART

MODEL	YEAR	ENGINE	PART #
FULL SIZE	1958-'60	283, 348	62500
	1961	283, 348	62500
		409	62530
	1962-'65	283, 327	62500
		396, 409, 427	62530
	1966-'67	283, 327	62500*
		396, 427	62530
	1968-'69	307 (Exc. Police)	62500
		307 (Police)	62530
		327	62500*
		396, 427	62510
	1970-'72	350 (w/ 2 bbl. carb.)	62500
		454	62510
	1976-'90	307, 350	62515
CAMARO	1967-'68	302	62530
		327	62500
		350, 396	62530
	1969	302	62510
		307	62500
		350	62510
	1970-'73	350 (Exc. Spec. Hi. Perf.)	62500
		350 (Spec. Hi. Perf.)	62510
		396, 402	62530
	1974-'81	307, 350	62515
	1982-'92	305, 350	62510

MODEL	YEAR	ENGINE	PART #
CHEVELLE	1964-'67		
CHEVELLE	1904- 07	283, 327	62500
		396, 427	62530
	1968-'69	307, 327, 350	62510
		396	62530
	1970-'72	307, 350, 402, 454	62510
	1973-'88	307, 350, 402, 454	62515
CHEVY II	1964-'67	283, 327	62500
NOVA	1968-'69	327	62500
		350	62510
		396	62530
	1970-'72	350 (Exc. Spec. Hi. Perf.)	62500
		350 (Spec. Hi. Perf.)	62510
		396, 402	62530
	1973-'79	307, 305	62515
CORVETTE	1963-'64	327	62530
	1965	327, 396	62530
	1966-'68	327, 427	62530
	1969	327, 350, 427	62530
	1970-'74	350, 454	62530
	1975-'82	305, 350	62530
MONTE	1970-'72	350, 402, 454	62510
	1973-'87	307, 350	62515

Some models use No. 62510, check dimensions of original mounts. #Use with Moroso Frame Mounts No. 62610

*NOTE: To prevent premature engine mount failure, we recommend using Moroso's Steel Motor Mounts, sold above, with Competition Engineering's Engine Limiter, Part No. C4034, sold on page 415.

MOTOR MOUNT SHIM KIT

- 1/16", 1/8" and 3/16" thick, 2 ea.
- Standard Chevrolet bolt pattern
- Works great with Chevy Motor Mounts 62500, 62510, 62515, 62530 & 62550
- Used to make slight adjustments to engine height to compensate for minor oil pan, linkage and header interference
- Great addition to engine swap kits

PART # DESCRIPTION 62535 Motor Mount Shim Kit



MOTOR & TRANSMISSION MOUNTS

CHEVY SOLID MOTOR MOUNT PAD KITS

- Solid Mount Pads replace soft rubber-cushioned frame mounts supplied as OEM equipment on 1974-'97 Camaro and Firebirds and other GM vehicles
- Control excessive engine movement, prevent linkage binding and eliminate the need for torque straps

• Two per pack

PART # DESCRIPTION

62610* Solid Motor Mount Pad Kit. Zinc Finish
Use with Moroso Motor Mounts No. 62510

Fits: 1982-'92 Camaro and Firebird, SBC, BBC and

90° Chevy V6.

62630* Solid Motor Mount Pad Kit. Zinc Finish

Use with Moroso Motor Mounts No. 62515

Fits: 1974-'81 Camaro, Firebird; 1973-'88 Chevelle, Malibu, Monte Carlo, El Camino; 1973-'79 Nova; 1976-'90 Impala,

Caprice; Small Block.

62635* Solid Motor Mount Pad Kit. Zinc Finish

Fits: 1993-'97 Camaro and Firebird V8



No. 62635

*NOTE: Solid Transmission Mounts must be used in conjunction with Solid Motor Mounts to prevent breakage of engine block and transmission case due to torsional stress.

CHEVROLET MOTOR MOUNT

Fabricated Chassis

- Designed primarily for oval track or any fabricated chassis application (they do not fit any particular OEM chassis)
- Allows for quick, easy engine removal and reinstallation
- Manufactured from .250" thick steel with zinc plating to resist corrosion

PART # DESCRIPTION

62550 Chevrolet Motor Mounts, .250" Zinc Finish, Two per pack

Fits: SBC, BBC and 90° Chevy V6 in fabricated chassis



CHEVY SOLID TRANSMISSION MOUNT

- Replaces stock, OEM-style soft rubber mount to eliminate linkage binding, driveline misalignment and unwanted transmission movement in racing and street performance applications
- Sturdy mount is constructed from 3/16" steel and features slotted holes on top for transmission mounting and threaded nuts welded to bottom for crossmember mounting
- · Black zinc finish

PART # DESCRIPTION

62600* Solid Transmission Mount

Fits: 1958-'88 Chevy with Powerglide, TH-350, TH-400 and all Borg-Warner, Muncie, Saginaw, Chrysler 4-speed and Doug Nash 5-speed transmissions, except 1982-92 Camaro and Firebird



No. 62600

*NOTE: Solid Transmission Mounts must be used in conjunction with Solid Motor Mounts to prevent breakage of engine block and transmission case due to torsional stress.

MOTOR & TRANSMISSION MOUNTS

MOTOR MOUNT ADAPTER PLATES FOR LS SERIES

- Simple and efficient way to adapt motor mounts to fit LS Series Engines
- Manufactured from 6061 T-6 Aluminum
- · Black anodized finish resists corrosion
- Works with G.M. Factory 3-Bolt Mounts and Moroso Solid Motor Mounts
 Nos. 62500, 62510, 62515, 62530 & most aftermarket polyurethane mounts

PART # DESCRIPTION

62555* Motor Mount Adapter Plates for LS Series, Two per pack, with hardware



No. 62555

DRIVESHAFT LOOPS

Camaro LS, LT, SS, ZL1, 2010-2015

- · Bolt-on design allows easy installation with no modifications required
- Removable loop for easy driveshaft removal
- Meets the requirements of all racing sanctioning bodies
- Will help contain the driveshaft in the event of a front U-joint failure, keeping it from digging into the ground and possibly overturning the vehicle
- Manufactured from heavy-gauge fabricated steel
- Durable gloss black powder finish
- All hardware included

PART # DESCRIPTION

Driveshaft Loop, Camaro LS, LT, SS, ZL1, 2010-2015, Standard TransmissionDriveshaft Loop, Camaro LS, LT, SS, ZL1, 2010-2015, Automatic Transmission



No. 62640

CHRYSLER MOTOR MOUNTS

PART # DESCRIPTION

62520 Chrysler Motor Mounts, .187" Zinc Plated Steel. Two per pack. Replaces 0EM #2536121 Chrysler Motor Mounts, .187" Zinc Plated Steel. Two per pack. Replaces 0EM #2806779

DODGE, PLYMOUTH MOTOR N	HOUNT	APPLICATION CH	IART
MODEL	YEAR	ENGINE	PART #
DART, VALIANT, DEMON, DUSTER	1967-'72	273, 318, 340, 360	62540
BARRACUDA, CHALLENGER	1967-'69	273, 318, 340. 360	62540
	1970-'74	All 8 cyl. (exc. Hemi)	62520
CORONET, SUPER BEE, BELVEDERE, FURY	1966-'72	All 8 cyl. (exc. Hemi)	62520
ROAD RUNNER, SATELLITE, GTX, POLARA			





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MOTOR & TRANSMISSION MOUNTS

FORD MOTOR MOUNTS

- Extra-thick 3/16" steel Motor Mounts are gusseted for extra strength
- Pre-welded Grade 8 studs withstand the high-torque, high-horsepower loading encountered during hard acceleration
- Reaction and 60-foot times are improved since engine movement in the chassis is eliminated, instantaneously transferring power to the rear wheels
- Clutch linkage binding is eliminated, ensuring improved shifts
- Manufactured on computer-controlled equipment for unsurpassed quality and precise fit
- Finished with protective zinc plating
- Solid Motor Mounts must be used in conjunction with Solid Transmission Mounts to prevent breakage of engine block and transmission case due to torsional stress
- Two per pack

PART # DESCRIPTION

62544* Ford Motor Mounts, .187" Steel

Fits: 1979-'83 & 1993 Mustang 5.0L Engines

62545* Ford Motor Mounts, .187" Steel

Fits: 1984-'92 Mustang Hardtops and 1990-'92 Convertibles with 5.0L Engines



No. 62545



No. 62544

FORD SOLID TRANSMISSION MOUNT

- Replaces stock, soft rubber mount to eliminate linkage binding, driveline misalignment and unwanted transmission movement in racing and street performance applications
- Constructed from rugged 3/16" steel with pre-welded studs and yellow protective zinc finish
- Computer-controlled manufacturing insures precise fit and alignment for easy installation

PART # DESCRIPTION

62602* Solid Transmission Mount

Fits: 1987-'93 Mustang, T-Bird and other Ford Models equipped with A.O.D. 4-Speed

Automatic or 5-Speed Manual Transmissions



No. 62602

*NOTE: Solid Transmission Mounts must be used in conjunction with Solid Motor Mounts to prevent breakage of engine block and transmission case due to torsional stress.



BILLET ELECTRIC WATER PUMPS

BILLET ELECTRIC WATER PUMPS

Our durable and popular line of Water Pumps have been redesigned with an ultra-light housing

- Each Pump plate has been re-profiled and pocketed to remove unnecessary
- Average overall pump heights have been shortened by 3/4" and up to 2 lbs. weight reduction on average per pump
- Electric motor with heavy-duty windings, precision balancing, long-life brushes, stainless steel shaft and sealed ball bearings is superior in quality and pumps more water through the system during actual operating conditions than competing pumps
- Mounts directly to stock water pump location, includes stainless steel mounting hardware & gasket for simple installation
- Eliminates drive belt and fan to save weight and horsepower, while providing maximum circulation to improve cooling efficiency during all driving conditions, especially while idling
- · Compatible with 12 and 16 volt systems
- High-temperature Viton® seal eliminates leaks
- Machined with -16AN port (except B.B. Mopar) for easier installation of our hose adapters, eliminating the need for teflon tape or pipe sealants
- Pumps can easily accommodate lower radiator hose from either driver or passenger side installations
- Clear anodized 6061-T6 billet aluminum pump housing, impeller, pump plate and motor cap along with powder-coated outer case will provide years of dependable operation
- Draws 8-10 amps in a typical 12V system, so it can be used on drag racing car without an alternator

BILLET ELECTRIC WATER PUMPS APPLICATION CHART

PART#	ENGINE	NOTES	HEIGHT (INCHES)	WEIGHT (WITH SPACERS. HARDWARE, BACKING PLATE, ETC.)
63547	Big Block Chevy		6.375 w/	7.15 lbs
63557	Small Block Chevy		spacers 6.218 w/	7.03 lbs
63565 63575	Chrysler 273-360 Chrysler 383-440	Chandard	spacers 4.600 3.100	6.29 lbs 4.54 lbs
63585	Ford 289, 302, 351W	Standard	4.625	6.23 lbs
63595	Pre-'94 & 351W Ford 429-460	Rotation only	4.75	7.00 lbs

PART# **REPLACEMENT FOR 63575** 97275

Fits: GM LS Series Patent Pending

Seal kit

Mounts directly to the stock water pump location

- Weighs 8.66 lbs.
- Eliminates bulky LS water pump with a more compact, cost-effective pump
- Drive belt is eliminated to save horsepower, while providing maximum circulation for cooling efficiency during all driving conditions, especially while idling
- Can be used with Moroso No. 63836 Alternator/Vacuum Pump Mount
- . Compatible with 12 and 16 volt systems
- Draws 8-10 amps in a typical 12V system, so it can be used on drag racing car without an alternator
- Requires the use of a Remote Thermostat Housing such as Part No. 63425 or 63426

PART # DESCRIPTION

63566 Electric Water Pump, GM LS Series







No. 63565







No. 63566

BILLET ELECTRIC WATER PUMPS AND ADAPTERS

WATER PUMP. BILLET ELECTRIC

Remote Mount

- Use as a supplemental pump in remote cooling situations when space limits prohibit use of an engine mounted pump
- Weighs 5.94 lbs. with fittings
- Superior electric motor with heavy-duty windings, precision balancing, long life brushes, stainless shaft and sealed ball bearings pumps more water through the system than competitors' pumps!
- Clear anodized 6061-T6 billet aluminum pump housing, impeller and motor cap with a powder-coated outer case will provide years of dependable operation
- Draws 8-10 amps in a typical 12V system, so it can be used on drag racing car without an alternator
- Drive belt is eliminated to save horsepower, while providing efficient circulation for cooling, especially while idling
- Can be mounted vertically or horizontally
- Features a -16 AN O-ring inlet port, four -12 AN outlet ports, two -12 AN port plugs for different plumbing options
- High-temperature Viton® seal eliminates leaks

DESCRIPTION PART #

63570 Water Pump, Billet Electric, Remote Mount

AVAILABLE OPTION PART #

63571 Stainless Steel Mounting Plate, can be rotated 360° in 45° increments





ELECTRIC WATER PUMP/ RADIATOR HOSE ADAPTERS





63523





63525



Electric Water Pump Motor -**BLACK Finish/Anodized** Billet ALUMINUM End Cap



HOSE ADAPTERS for Electric Water Pump Motor - BLACK Finish



HOSE ADAPTERS for Electric Water Pump

			Motor - BLUE Finish
DESCRIPTION	PART #	PART #	PART #
1" NPT to -16AN Male	N/A	63541	63541
1" NPT to 1-1/2" hose	N/A	63542	63542
1" NPT to 1-3/4" hose	N/A	63543	63543
1" NPT to 1-1/4" hose	N/A	63544	63544
-16AN to -20AN Male	63525	N/A	N/A
-16AN to -16AN Male	22622 (see pg. 150)	N/A	N/A
-16AN to 1-3/4" hose	63523	N/A	N/A
-16AN to 1-1/2" hose	63522	N/A	N/A
-16 AN to 1-1/4" hose	63521	N/A	N/A

ELECTRIC WATER PUMP SPACER KITS

REMOTE WATER PUMP KIT, SMALL BLOCK FORD WITH JESEL DRIVE

Fits: Ford 289-302 & 351W with JESEL Part No. 34170 & 34175 Front Belt Drives

- Billet Aluminum 1 Inch adapter plate bolts on to where the water pump would normally reside on an engine, allowing the use of a remote water pump
- The adapter plate has two −12 AN female ports
- Includes o-rings and stainless steel socket head cap screws
- Hardware is long enough to accommodate a front motor plate

PART # DESCRIPTION

63519 Remote Water Pump Kit, Small Block Ford with Jesel Front Belt Drive

PART# AVAILABLE OPTION

63570 Remote Mount Electric Water Pump 22620 AN Fitting, -12AN to -12AN, 1 per package



ELECTRIC WATER PUMP ADAPTER KIT

WATER PUMP ADAPTER KIT

Fits: GM LS Series Patent D645,478

- Adapts a BBC style electric or conventional water pump to LS series engines
- Eliminates the bulky LS water pump with a more compact, cost effective pump
- Since BBC water pumps have been around for years, many different drive and pulleys are available and now can be used on a GM LS Series engine
- Kit includes: 2 billet aluminum adapter blocks (right and left), 2¼ pump adapter plates, fasteners, Viton O-rings, and 4 high flow -12AN fittings
- Requires use of a Remote Thermostat Housing, such a Moroso Part No. 63425, or 63426

PART # DESCRIPTION

63615 Remote Water Pump Adapter Kit,

GM LS Series Engines



No. 63615



Remote Thermostat Housings on pgs. 257



REMOTE WATER PUMP ADAPTER KITS. SBC & BBC

- In each kit two clear anodized adapters bolt onto where the water pump would normally reside on an engine. Allows the use of a remote water pump
- Spacers are .700" thick
- The Adapters have a -12AN female port
- Includes 4 gaskets and 8 stainless steel cap screws. The 4 extra screws are to accommodate a front motor plate

PART #	DESCRIPTION
63512	Remote Water Pump Adapter Kit, SBC
63513	Remote Water Pump Adapter Kit, BBC
PART #	AVAII ARI F OPTIONS

22620 AN Fitting, -12AN to -12AN, 1 per package



No. 63512

REMOTE WATER PUMP ADAPTER KIT. GM LS

Patent 8,424,497

- Remote adapters mount in place of the bulky GM LS series water pump
- Frees up space where normally a water pump would reside in race cars and in LS engine conversions
- Allows the use of a more compact, cost-effective remote electric water pump
- Kit includes: 2 billet aluminum adapter blocks (right and left), fasteners, Viton O-rings, and 4 high flow –12 AN fittings
- Requires use of Moroso Remote Mount Electric Water Pump Part No. 63570, and Remote Thermostat Housing, such as Moroso Part No. 63425 or 63426 and mounting bracket No. 63427



No. 63616

PART # DESCRIPTION

63616 Remote Water Pump Adapter Kit,

GM LS Series Engines

REMOTE WATER PUMP ADAPTER KITS

Fits: Chrysler & Ford

- Billet Aluminum adapter plate bolts on to where the water pump would normally reside on an engine. Allows the use of a remote water pump
- The adapter plate has two -12AN female ports
- Includes a backing plate, gasket and stainless steel socket head cap screws
- Hardware is long enough to accommodate a front motor plate

PART #	DESCRIPTION
63514	Remote Water Pump Adapter Kit, Chrysler 273-360
63515	Remote Water Pump Adapter Kit, Ford 289-302 Pre '94 Timing Covers
63516	Remote Water Pump Adapter Kit, Ford 429-460
PART #	AVAILABLE OPTIONS
22620	AN Fitting, -12AN to -12AN, 1 per package



No. 63515

ELECTRIC WATER PUMP DRIVE KIT

CHEVROLET ELECTRIC WATER PUMPS

Polished Cover - Cast Aluminum

HIGH FLOW RATE!

 Unique impeller design and polished housing operate as an integral unit to pump approximately 19 gallons per minute

ADDS UP TO 20 HP!

- Powerful 12 volt electric motor eliminates V-belt drive
- Draws only 7 amps, allowing the battery to remain more fully charged during racing without an alternator

LIGHTWEIGHT, EASY TO INSTALL!

- Weighs less than conventional mechanical pump with separate electric drive motor
- Mounts to stock location; alternator and power steering drive kits available separately
- Overall pump height similar to stock pump height
- Use with optional Electric Water Pump Hose Adapters
- Water inlet size 1" NPT

PART # 63539 63546 63555	DESCRIPTION ENG Electric Water Pump Big Electric Water Pump Sma (Offset housing clears 8" Hai	g Block Chevy nall Block Chevy	HEIGHT 5" 5" 5-1/4"	PART # 97255 97257	REPLACEMENT PART Seal Kit, Water Pump Electric Motor, Water Pump Electric
PART # 63840 63841 63842 63843	AVAILABLE OPTIONS Alternator Mount Kit for Ele Alternator Drive Kit for Ele Alternator Mount Kit for Ele Alternator Drive Kit for Ele	lectric Water Pump Electric Water Pum	No. 63546 np No. 63555	PART # 63541 63542 63543 63544	AVAILABLE OPTIONS 1" NPT to -16 AN Male Adapter 1" NPT to 1 ½" hose Adapter 1" NPT to 1 ¾" hose Adapter 1" NPT to 1 ¼" hose Adapter

ELECTRIC WATER PUMP DRIVE KIT

ELECTRIC WATER PUMP DRIVE KIT

- Engine dynamometer tests prove that many water pumps produce severe drag on the engines at high RPM, absorbing as much as 15-20 HP
- Universal application fits virtually every American V8 or V6 engine, including Chevy V8 and 90° V6 either "short" or "long" design, Ford 351C, 351W, Ford Big Block and Chrysler Small and Big Blocks
- Comes complete with 12 volt electric motor, all drive pulleys, belt, fasteners, and toggle switch
- Intended for Drag Race applications only
- Use with Moroso Thermostatic Switch No. 63760 and Alternator Mount Drive Kits

PART #	DESCRIPTION
63750	Electric Water Pump Drive Kit
PART #	REPLACEMENT PARTS
97210	12-Volt Electric Motor
97220	Water Pump Pulley
97230	21" Belt for Electric Water Pump
97250	Electric Motor Pulley
PART #	AVAILABLE OPTIONS
97252	14-Tooth Pulley (to increase pump speed by 28%)
63760	Thermostatic Water
	Pumn Switch



No. 63539

No. 63750

TYPICAL INSTALLATIONS







289, 302, 351W Ford

MECHANICAL WATER PUMPS AND SPACER KITS

Moroso first pioneered the aluminum water pump for racing over 35 years ago. Over the years, continual improvements have resulted in providing the best cooling system components available for competition use. Computer designed housing cast from 356-T6 aluminum and lightweight impellers are engineered to maintain consistent coolant temperature throughout the water jacket, preventing localized boiling, detonation, head warping and cracking, etc.

SMALL BLOCK CHEVROLET

1955-68 "Short" Design, 5/8" Shaft

- Reinforced housing for extra strength
- Lightweight, low drag impeller adds 14HP @ 7,500 RPM
- Includes integral cam stop boss
- Overall length of 5.603" from rear mounting face to hub face

PART# DESCRIPTION

Aluminum Water Pump, Small Block and 90° V6 Chevy %" shaft, 63500

1955-68 "short" design

PART # **AVAILABLE OPTIONS** 64035 Water Pump Pulley Shims



PART# REPLACEMENT PART 97450 Gasket and Seal Kit

SMALL BLOCK CHEVROLET

1971-82 Corvette Design. 34" Shaft

- Large diameter shaft and extra housing reinforcements for Oval Track
- Includes integral cam stop boss
- Overall length of 5.795" from rear mounting face to hub face
- Two 1/2" NPT auxilliary ports for external lines
- Multiple pattern Drive Hub

DESCRIPTION PART #

Aluminum Water Pump, Small Block and 90° V6 Chevy 3/4" shaft, 63505

1971-'82 Corvette design

PART # **AVAILABLE OPTIONS** 64035 Water Pump Pulley Shims



PART# REPLACEMENT PART 97450 Gasket and Seal Kit

WATER PUMP SPACER KITS

- Converts "short" 1968-earlier design Chevrolet water pumps to longer, 1969-later design
- Includes special heat-treated studs and gaskets

PART # DESCRIPTION

63510 Water Pump Spacer Kit, 1-7/32" Long, SBC and 90° V6 Chevy,

Cast Aluminum

Converts Nos. 63500 or 63505 short water pump to the longer

late-model design

63610 Water Pump Spacer Kit, 1-9/16" Long, BBC, Cast Aluminum 63511 Water Pump Spacer Kit, 1-1/32" Long, SBC and 90° V6 Chevy,

Billet Aluminum

Converts Nos. 63500 or 63505 short water pump to the longer late-model design

63611 Water Pump Spacer Kit, 1-9/16" Long, BBC, Billet Aluminum



No. 63510



COOLING SYSTEM ACCESSORIES

AIR BLEED VALVE

- · Bleeds air from any cooling system
- · Resistant to fuels, oil and anti-freeze
- Brass construction with push button to release pressure
- Fits 1/8" NPT thread

PART # DESCRIPTION 63765 Air Bleed Valve



No. 63765

THERMOSTATIC WATER PUMP SWITCH

- Provides automatic control of Electric Water Pumps
 Nos. 63539, 63546, 63547, 63555, 63557, 63565, 63570, 63575,
 63585 and 63595 and Electric Water Pump Drive Kit No. 63750
- Eliminates unnecessary battery drain by turning on the electric pump motor when coolant temperature exceeds 160° F (±5°) and turning it off when coolant temperature reaches 140° F (±5°)
- Toggle Switch has three settings: Automatic, Manual and Off. In the "Manual" position, the motor is constantly on.
- Contact rating of switch is 15 amps at 32 volts; use with 10 amp fuse (not included)





PART # DESCRIPTION

PART#

63307

63309

63313

63316

63320

63324

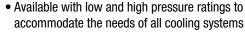
63328

63332

63760 Thermostatic Switch, Electric Water

RACING RADIATOR CAPS

Fits: Standard-size radiator filler necks, including Moroso Nos. 63420, 63465, 63466, 63467, 63485, 63486, 63650, 63651, 63655, 63656, 63730, 63740 and 63745



Steel spring maintains accurate pressure setting over time

Six-sided Cap for easy tightening



No. 63324

DESCRIPTION

Racing Radiator Cap, 6-8 lbs. Racing Radiator Cap, 8-10 lbs. Racing Radiator Cap, 12-16 lbs. Racing Radiator Cap, 14-18 lbs. Racing Radiator Cap, 19-21 lbs. Racing Radiator Cap, 23-25 lbs. Racing Radiator Cap, 27-29 lbs. Racing Radiator Cap, 31-33 lbs.

RADIATOR HOSE DRAIN

- Cast aluminum drain adapts the 1-1/4" outlet from the popular VW Scirocco radiator to the 1-9/16" inside diameter of the standard lower radiator hose found in most Chevys
- Includes petcock for draining engine coolant
- 100% leak tested

PART # DESCRIPTION 63700 Radiator Hose Drain



No. 63700

RADIATOR HOSE FILLERS

- 356-T6 cast aluminum Radiator Hose Fillers are spliced into the upper radiator hose to provide more complete cooling system filling
- Standard size radiator cap receptacle is welded to the cast flange (radiator cap not included)
- 100% leak tested

DESCRIPTION
Radiator Hose Filler, $1-\frac{1}{2}$ " hose to $1-\frac{1}{2}$ " hose
Radiator Hose Filler, 1-1/2" hose to 1-1/4" hose
Radiator Hose Filler, 1-1/4" hose to 1-1/4" hose



No. 63730



No. 63740

COOLING SYSTEM ACCESSORIES

STAINLESS STEEL FLEX FAN

- 17" diameter, high strength stainless steel
- Fan blades flatten as engine RPM increases to reduce parasitic drag and increase horsepower
- Stainless Steel blades "spring" back to original shape at lower RPM; after repeated cycles, inferior aluminum fans do not
- Uses standard fan spacers and fits most applications
- Not recommended for air conditioned cars

PART # DESCRIPTION

64000 Stainless Steel Flex Fan, Universal Application

NOTE: Engine speed should not exceed 7.000 RPM.



No. 64000

TEMPERATURE GAUGE FITTING

- Corrosion resistant brass; fits standard 1/2" NPT tapped holes in cylinder heads and manifolds
- 18 threaded hole in fitting accepts popular sending units

PART# DESCRIPTION

63645 **Temperature Gauge Fitting**



WATER OUTLET RESTRICTOR KIT

- Restricting coolant flow leaving the engine lets you control the amount of heat absorbed by the coolant
- Red, gold and blue anodized aluminum restrictor plates are mounted under the water outlet on the intake manifold
- Kit consists of three restrictor plates with 5/8", 3/4" and 1" I.D. holes for optimum coolant flow, 2-1/8" 0.D.

PART # **DESCRIPTION**

63440 Water Outlet Restrictor Kit. GM V8, GM V6, Ford 260-302, 351W



No. 63440

FILLER NECKS

BOLT-ON WITH -16AN FITTING

Fits: Small Block Ford

- Anodized aluminum
- -16AN fitting for use with steel braid reinforced upper radiator hose
- · Includes gasket

DESCRIPTION PART # 63455 Water Outlet Filler

Neck, Ford, -16 AN Fitting





No. 63455

FILLER NECK

Fits: Ford 4.6/5.4L, 2 Valve only engines

- Allows Mod Motor Racers to upgrade existing upper radiator hose
- · Billet Aluminum Water Neck Outlet with -16AN Fitting
- · Anodized Black
- Includes 0-ring

DESCRIPTION PART# 63456 Filler Neck



No. 63456

WATER OUTLET. BILLET ALUMINUM. O-RING SEAL

Fits: Small Block, Big Block and 90 Deg. V6 Chevy Intake Manifolds

- One piece design machined from a billet bar
- No Gasket needed, designed with an O-Ring Groove & O-Ring included
- Clear Anodized finish
- · Includes stainless steel mounting hardware

PART# DESCRIPTION 63473 Water Outlet, Billet Aluminum, Chevy, -16AN Male Fitting 63474 Water Outlet, Billet Aluminum, Chevy, -20AN Male Fitting 63477 Water Outlet, Billet Aluminum, Chevy, 1.5" Hose Fitting



FILLER NECKS

WATER OUTLET. BILLET ALUMINUM. AN & 3/8" PORTS

Fits: Small Block, Big Block and 90° V6 Chevy Intake Manifolds

• Features two 3/8" NPT female ports to plumb water to cylinder head for cooling

Includes stainless steel mounting hardware

PART # DESCRIPTION

63461 Water Outlet, Billet Aluminum, Chevy, -16AN fitting and two

3/8" NPT female ports, Black, Gasket

63475 Water Outlet, Billet Aluminum, Chevy, -16AN Male Fitting,

3/8" NPT Ports, Clear Anodized finish, O-Ring

63476 Water Outlet, Billet Aluminum, Chevy, -20AN Male Fitting,

3/8" NPT Ports, Clear Anodized finish, O-Ring



No. 63475

BOLT-ON. STAMPED ALUMINUM

- · Black anodized aluminum
- Accepts Moroso or standard-size radiator cap (not included)
- Replacement Filler Neck Kit No. 63420
- · Includes gasket

PART # DESCRIPTION

63465 Stamped Aluminum Filler Neck, Chevy, Bolt-On



No. 63465

BOLT-ON. BILLET ALUMINUM

- Made from 6061-T6 billet aluminum
- Easily mounts to any Big Block or Small Block Chevy intake manifold, and can be used in all racing and street-performance applications where a heavy-duty filler neck is required
- Includes screw-in 1/8" NPT hose fitting for expansion tanks, and accepts Moroso or standard-size radiator cap (not included)
- Can also be used as a heavy-duty replacement in our Filler Neck Kit No. 63420
- · Includes gasket



No. 63466

PART # DESCRIPTION

63466 Billet Aluminum Filler Neck, Chevy, Bolt-On63468 Billet Aluminum Filler Neck, Chevy,

Bolt-On, Black Anodized Finish





Moroso Radiator Caps on pg. 251



WELD-ON. STAMPED ALUMINUM

- Ideal for custom applications
- Accepts Moroso or standard-size radiator cap (not included)
- Multiple applications including race and street performance

PART # DESCRIPTION

63485 Stamped Aluminum Filler Neck, Weld-On

WELD-ON, BILLET ALUMINUM

- Made from 6061-T6 billet aluminum
- This weld-on version can be used wherever a heavyduty, custom-application filler neck is required
- Includes screw-in 1/8" NPT hose fitting for expansion tanks, and accepts Moroso or standard-size radiator cap (not included)

PART # DESCRIPTION

63486 Billet Aluminum Filler Neck, Weld-On

EXTENDED WATER FILLER NECK

- Extended filler neck raises water fill point 5-3/4" above manifold; ideal for bleeding off cooling system air
- 60° incline of filler tube clears air scoops to provide guick and accessible filling for between-rounds cool down
- Mounting base, extension tube and neck are all manufactured from rugged 6061-T6 billet aluminum to withstand harsh racing environments and continual cap removal/replacement
- Accepts Moroso or standard-size radiator cap (not included)
- Includes gasket and 1/8" NPT to 3/8" I.D. barbed fitting to plumb expansion tanks
- Includes gasket
- Use with Moroso Manifold Filler Neck Kit No. 63420

PART # DESCRIPTION

63467 Extended Filler Neck, SBC, BBC and 90° V6 Chevy intake manifolds; drag

racing and street performance use



No. 63467

FILLER NECK MANIFOLD HOUSING

- Locates filler neck at highest point on cars with low-mount radiators to bleed off air
- Unit can be flipped 180° for either right or left outlet location
- Includes 1/2" NPT fitting for installing water temperature sending unit and two 1/4" NPT fittings for return lines on popular aftermarket cylinder heads
- Made of 356-T6 cast aluminum; 3-1/4" high
- · Includes gaskets, bolts and washers, and standard size radiator cap filler neck

PART # DESCRIPTION

63420 Filler Neck Manifold Housing, Chevrolet V8 & 90° V6

REPLACEMENT PARTS

63465 Filler Neck only (for standard size radiator cap)

Heavy-Duty Filler Neck only (for standard size radiator cap) 63466



No. 63420



Moroso Radiator Caps on pg. 251



FILLER NECK MANIFOLD HOUSING

- Manifold-mounted filler neck base is identical to the one included in Moroso Kit No. 63420 without the filler neck or mounting hardware
- Allows you to install a variety of bolt-on style filler necks (radiator cap or -AN style) or block-off plates, offering cooling system flexibility for both race and street applications
- 356-T6 cast-aluminum base stands 2-5/16" tall, which locates filler neck at highest point to bleed off air on cars with low-mount radiators
- Includes a 1/2" NPT machined port for installing a water temperature sending unit, and two 1/4" NPT machined ports to plumb return lines on popular aftermarket cylinder heads
- The unit can be flipped 180° for either right or left water hose outlet location
- Use with one of Moroso's Bolt-On Filler Necks Nos. 63460, 63461, 63465, 63466 or Block-Off Plate No. 63471

PART # DESCRIPTION

63423 Filler Neck Manifold Housing, Chevrolet V8 & 90° V6 Intake Manifolds

PART# **AVAILABLE OPTION**

63469 Filler Neck, O-Ring Gasket/Spacer



No. 63423

FILLER NECKS

FILLER NECK MANIFOLD HOUSING

Billet Aluminum Housing with -16AN Port, Billet Aluminum Filler Neck & Hardware, Chevy Pattern, Adaptable Outlet

- -16AN female port is designed to be used with Nos. 22622, 63521, 63522, 63523, 63525
- Black anodized billet aluminum housing with the included bolt-on billet aluminum radiator neck stands 3-1/4" tall, which locates filler neck at highest point to bleed off air on cars with low-mount radiators
- The unit can be flipped 180 Deg. for either right or left water hose outlet location
- No need to worry about gaskets because on the top and bottom of the housing are machined 0-ring grooves with included 0-rings
- Includes a ½" NPT port for installing a water temperature sending unit and two ¼" NPT ports to plumb return lines on popular aftermarket cylinder heads
- Includes bolts and washers

PART # DESCRIPTION

63424 Filler Neck Manifold Housing, Billet Aluminum, -16AN Female Port



FILLER NECK MANIFOLD HOUSING

Billet Aluminum Housing with -16AN Port, Chevy Pattern, Adaptable Outlet

- -16AN female port is designed to be used with Nos. 22622, 63521, 63522, 63523, 63525
- Black anodized billet aluminum housing stands 2-5/16" tall, which locates filler neck at highest point to bleed off air on cars with low-mount radiators
- No need to worry about gaskets because on the top and bottom of the housing are machined 0-ring grooves with included 0-rings
- Includes a ½" NPT port for installing a water temperature sending unit and two
 ½" NPT ports to plumb return lines on popular aftermarket cylinder heads
- The unit can be flipped 180 Deg. for either right or left water hose outlet location
- Use with one of Moroso's Bolt-On Filler Necks Nos. 63460, 63461, 63465, 63466 or Block-Off Plate No. 63471

PART # DESCRIPTION

63422 Filler Neck Manifold Housing, Billet Aluminum, -16AN Female Port



FILLER NECK MANIFOLD HOUSING

Billet Aluminum Housing with 1" NPT Port, Chevy Pattern, Adaptable Outlet

- 1" NPT port is designed to be used with Nos. 63541, 63542, 63543 and 63544
- Black anodized billet aluminum housing stands 2-5/16" tall, which locates filler neck at highest point to bleed off air on cars with low-mount radiators
- Has to be mounted with conventional gaskets or Moroso No. 63469 Filler Neck O-Ring Gasket
- Includes a ½" NPT port for installing a water temperature sending unit and two ¼" NPT ports to plumb return lines on popular aftermarket cylinder heads
- The unit can be flipped 180° for either right or left water hose outlet location
- Use with one of Moroso's Bolt-On Filler Necks Nos. 63460, 63461, 63465,
 63466 or Block-Off Plate No. 63471

PART # DESCRIPTION

63421 Filler Neck Manifold Housing, Billet Aluminum, 1" NPT



WATER NECK BLEEDER KIT

Cast Aluminum Fits: Chevrolet

- A guick and easy way to remove air from the cooling system
- Design allows the body to be flipped so that the 1-1/2" hose outlet can face right or left
- Features a ½" NPT rear port for temperature senders and two ¼" NPT ports for plumbing return lines to cylinder heads
- Includes filler neck housing with 1-1/2" hose outlet, bleeder, bleeder plate, hardware and gaskets
- Can be used with Moroso Expansion Tank Part Nos. 63650, 63651, 63655 and 63656

PART # DESCRIPTION

63430 Water Neck Bleeder Kit, Cast Aluminum



No. 63430

WATER NECK BLEEDER KIT

Billet Aluminum Fits: Chevrolet

- · A quick and easy way to remove air from cooling system
- Allows the use of steel reinforced hose or lightweight hose to be used in cooling system
- Includes anodized billet water neck with 1" NPT outlet, bleeder, bleeder plate, hardware and gaskets
- 1" NPT machined port is designed to use with popular hose adapters (including -AN) sizes, Moroso Nos. 63541, 63542, 63543 and 63544
- Can be used with Moroso Expansion Tank Nos. 63650, 63651, 63655 or 63656

PART # DESCRIPTION

63431 Water Neck Bleeder Kit, Billet Aluminum



No. 63431

WATER NECK BLEEDER PLATE

Fits: Chevrolet

- Allows quick and easy removal of air from the cooling system at it's highest point
- Includes water neck bleeder plate, petcock with hose adapter and one water neck gasket
- Can be used as a replacement part for Moroso Nos. 63430 and 63431

PART # DESCRIPTION

63432 Water Neck Bleeder Plate



No. 63432

WATER NECK BLOCK-OFF PLATE

- 1/4" aluminum plate provides an ideal base to weld-your-own radiator hose fitting to the intake manifold
- Untreated aluminum makes it easy to drill opening and weld any size fitting of your choice
- Perfect for racing and custom applications
- · Gasket included

DESCRIPTION PART #

63471 Water Neck Block-Off Plate, Chevrolet V8 & 90° V6



No. 63471

FILLER NECKS

FILLER NECK

O-Ring Gasket/Spacer

- Mounts between filler necks and filler neck manifolds to create a reusable 0-ring seal, no need to use gaskets or sealants
- Can also be used as a 1/4" thick spacer when clearance is needed
- Manufactured from billet aluminum with machined 0-ring grooves in the top and bottom, anodized finish
- Includes 0-rings

PART # DESCRIPTION

63469 Filler Neck, O-Ring Gasket/Spacer



No. 63469

REMOTE THERMOSTAT HOUSINGS

Allow the street, race or marine enthusiast to have a thermostat in their cooling system away from the engine itself. This could be if the engine has a blower manifold that does not allow the thermostat to be on the engine itself or if Moroso Part **Nos. 63615, 63616** or **63566** water pump adapters for the GM LS series of engines are being used.

- Made from 6061T-6 Billet Aluminum
- The housing has two -12AN female O-ring inlet ports
- Thermostat or restrictor is placed between this housing and a conventional manifold housing such as part No. 63423, where a radiator hose connects it to the radiator
- Can be used with Moroso cooling system accessories, Part Nos. 63420, 63421, 63423, 63430, 63431, 63432, 63460, 63461, 63465, 63466 and 63471

PART #	DESCRIPTION
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63425 Remote Thermostat Housing, Inlet ports on bottom 63426 Remote Thermostat Housing, Inlet ports on each side

PART # AVAILABLE OPTIONS

63427 Mounting Bracket for Remote Thermostat Housings Nos. 63425 and 63426

97641 Fitting, -12AN



No. 63425



No. 63426

MOUNTING BRACKET

- Mounts Moroso No. 63425 and 63426 Remote Thermostat Housings to the front passenger side GM LS Series cylinder heads
- Manufactured from 1/4" 6061 T-6 Aluminum

PART # DESCRIPTION

63427 Mounting Bracket for Remote Thermostat Housings



No. 63427

THROTTLE KITS & ACCESSORIES

THROTTLE CABLE MOUNTING KIT

Fits: 4500 Series Holley® Dominator 4500 Series and BG King Demon® carburetors

- This unique kit facilitates mounting of throttle cables to a fixed point while providing adjustability to compensate for variances in cable length and cable ends
- Comes complete with Morse-style throttle cable bracket, universal return spring assembly and all necessary installation hardware
- Four-hole under-carb design provides security of a linkage safety plate
- Unlike competitor's products, these accessory brackets bolt to plate separately instead of stacking up on the carb studs
- Separate bolting design allows access for easy carb servicing and the option of additional accessories while providing clearance to linkage
- Designed to be used with Moroso's line of bolt-on brackets and accessories

PART # DESCRIPTION

65047 Throttle Cable Mounting Kit PART # **REPLACEMENT PARTS** 64917 **Throttle Return Springs**



No. 65047

PART NO. 65047 AVAILABLE OPTIONS

FUEL REGULATOR MOUNTING BRACKETS

- · Lightweight, laser-cut, steel brackets securely mount popular regulators including Holley®, Aeromotive™, MagnaFuel® and Barry Grant®
- Can be used to mount extra regulator for nitrous systems
- · Easily formed for custom installation

PART# DESCRIPTION

Fuel Regulator Mounting Bracket for Holley® 65052

Fuel Regulator Mounting Bracket for MagnaFuel® & Barry Grant® 65062





SPARK PLUG RACK

- Easy to mount
- Lightweight, laser cut steel bracket
- · Ensures spark plugs are installed in the same cylinder

PART# **DESCRIPTION** 65064 Spark Plug Rack



THROTTLE KITS & ACCESSORIES

THROTTLE CABLE MOUNTING KIT

Holley® 4150/4160 series Carbs - Morse® Cables

- Lets the racer easily mount Morse® cable to Holley® 4150/4160 carburetors
- Includes a 1/8" anodized aluminum mounting plate, a special 1/4" bore rod end with 10-32 thread, a quick-release cable mount, and all required hardware
- Throttle Return Spring Kit Nos. 64925, 64926 or 64927 recommended

PART # DESCRIPTION

65045* Throttle Cable Mounting Kit, for Holley® Carbs with Morse® accelerator cables



THROTTLE CABLE MOUNTING KIT

Holley® 4150/4160 series Carbs - Late Model GM

- Includes all necessary hardware to mount a Holley[®] carburetor on a late model GM vehicle
- Comes with a 1/8" anodized aluminum mounting plate and required clips, pivot, nuts and bolts to complete the job
- Throttle Return Spring Kit Nos. 64925, 64926 or 64927 recommended

PART # DESCRIPTION

65050* Throttle Cable Mounting Kit, for Holley® on late model GM cars and trucks



No. 65050

THROTTLE CABLE MOUNT KIT WITH RETURN SPRING

- Designed to less likely bind and hold the throttle open
- Solid rod linkage designs have and will keep the throttle open In certain crash parameters
- Built to take the punishment of Circle Track or Road Racing yet lightweight enough to satisfy the weight conscious Drag Racer
- Manufactured out of thick 12 ga. laser cut steel with a durable E-coat finish
- Provides throttle cable mount and return spring in one under-carburetor plate
- Complete with quick release cable bracket, light and heavy return springs and mounting hardware
- Comes with 1/4" rod end with 10-32 threads for Morse style cables



No. 65075

PART # DESCRIPTION

Throttle Cable Mount Kit with Return Spring, R4412 Style 2BBL Carburetors
 Throttle Cable Mount Kit with Return Spring, 4150 Style 4BBL Carburetors

THROTTLE CABLE MANIFOLD MOUNTED CHEVY V6/ V8

- Provides positive throttle return required by several sanctioning bodies
- Each kit fits Holley® 2 or 4 bbl. single carb applications
- Includes one set of return springs

PART # D	ESCRIPTI	ON
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64922 Throttle Return Spring Kit, 18° SBC Cylinder Heads, Manifold Mount, 5-7/6" Tall **64925** Throttle Return Spring Kit, SBC and 90° V6 Chevy, Manifold Mount, 1-13/6" Tall

64926 Throttle Return Spring Kit, BBC, Manifold Mount, 1-13/16" Tall

Throttle Return Spring Kit, Tall Version to facilitate throttle return on spacer equipped SBC and 90° V6 Chevy engines, Manifold Mount, 4-¾" Tall

PART # AVAILABLE OPTION
64929 Throttle Return Springs



No. 64922



^{*}Not legal for sale or use on pollution-controlled vehicles.

FUEL SYSTEM EQUIPMENT

THROTTLE RETURN SPACING KIT. 4500 HOLLEY ® SERIES

- Clears most air cleaner combinations and can be used with dual carbs
- Made from sturdy 14-gauge steel and finished in handpolished chrome
- Kit includes heavy and light sets of stainless steel return springs, all mounting hardware, and complete installation instructions

PART # DESCRIPTION

64923 Throttle Return Spring Kit, Holley® 4500, Carb Mount

PART # REPLACEMENT PARTS
64917 Throttle Return Springs





No. 64923

THROTTLE RETURN SPACING KIT, 2300/4100 HOLLEY® SERIES ROAD, SPEED, RACE DEMON SERIES

- The answer to your throttle return spring linkage problems if you're running a 2300/2305 series two-barrel or 4150/4160 series 4-barrel Holley[®] or Road, Speed, Race Demon™ carburetor
- Designed and built rugged enough for competition, yet its polished chrome finish is suitable for the finest show car
- Includes one set of heavy and one set of light springs

PART # DESCRIPTION

64927 Throttle Return Spring Kit, 2300/4100 Holley® Series, Road,

Speed, Race Demon[™] Series Carb Mounts

PART # REPLACEMENT PARTS
64917 Throttle Return Springs



No. 64927

THROTTLE RETURN SPACING KIT, 4500 DOMINATOR & KING DEMON

- Fits a 4500 series and King Demon carburetors
- Made from sturdy 12-gauge steel and finished in (electrostatic paint) E-coat satin black
- Kit includes heavy and light sets of stainless steel return springs, all mounting hardware and complete installation instructions

PART # DESCRIPTION

64918 Throttle Return Spring Kit, 4500 Dominator

and King Demon Carb Mounts

PART # REPLACEMENT PARTS
64917 Throttle Return Springs



No. 64918

THROTTLE RETURN SPACING KIT, 4150 HOLLEY® SERIES

Including HP Series

- Made to clear low-profile racing air cleaners,
 Moroso Nos. 65860, 65870, 65900, 65901, 65902,
 65903, 65908 & 65910
- Manufactured from sturdy 12-gauge steel and finished in (electrostatic paint) E-coat satin black
- Kit includes heavy and light sets of stainless steel return springs, all mounting hardware and complete installation instructions

PART # DESCRIPTION

64919 Throttle Return Spring Kit, 4150 Holley® Series Carb

including HP Series

PART # REPLACEMENT PARTS
64917 Throttle Return Springs



No. 64919

THROTTLE KITS & ACCESSORIES

THROTTLE RETURN SPRINGS

 Pack of two stainless steel springs can be used as spares or replacements for Moroso Throttle Return Spring Kit Nos. 64925, 64926 and 64928

PART # DESCRIPTION
64929 Throttle Return Springs



No. 64929

THROTTLE RETURN SPRING

REPLACEMENT KIT

- Replacements for Moroso Throttle Return Spring Kit Nos. 64918, 64919, 64923, 64927, 65047, 65070 and 65075
- Kit includes Two 2.5" long and Two 2.75" long springs

PART # DESCRIPTION

64917 Throttle Return Springs, Replacement



No. 64917

CARBURETOR SAFETY PLATE

- Fits Holley® Dominator 4500-series Carbs
- Prevents linkage that may become loose from carburetor from falling into intake
- Steel, plated clear zinc

PART # DESCRIPTION

64935 Carburetor Safety Plate, Dominator



No. 64935

CARBURETOR LINKAGE BUSHING SET

- Steel linkage bushing set allows the fitting of a 1/4" fastener to the 1/2" dia. hole found in the throttle linkage plate of Holley® 4 barrel carbs
- Split bushing design permits simple installation and eliminates the sloppiness present when rubber bushings are used
- · Clear zinc finish

PART # DESCRIPTION

64920 Carburetor Linkage Bushing Kit, Holley® 4 bbl carbs



No. 6492N

THROTTLE STOP FOR HOLLEY ® CARBS

For 4150-Series Carburetors

- Throttle Stop for Holley® 4150-style, 4-bbl. racing carburetors provides a very strong and positive stop
- Also prevents excessive side loading on the throttle shaft, which can easily cause
 the throttle shaft bores to wear out
- Throttle stop is adjustable, and simply mounts to the carb hold-down stud
- Made from rugged 1/8" steel with a clear zinc finish
- Fits both 1:1 and progressive throttle linkages
- Ideal for all types of racing

PART # DESCRIPTION

65042* Throttle Stop, fits 4150-style Holley® Carbs



No. 65042



Carburetor Tools on pgs.232-233

^{*}Not legal for sale or use on pollution-controlled vehicles.

FUEL SYSTEM EQUIPMENT



No. 64996

CARBURETOR SPACERS

Billet Aluminum

- Extends length of intake mixture column to improve air/fuel distribution
- CNC machined from 6061-T6 billet aluminum to extremely accurate specifications
- Billet aluminum eliminates porosity and improves engine appearance
- Available with 4150/4160 and 4500 Series Holley® bolt patterns to fit a variety of carburetors
- 4150/4160 Series Spacers available in ½", 1" and 2" thicknesses with open plenum and 4-hole designs to suit tuning requirements; 4500 Series (Dominator) Spacer is 1" thick with open plenum
- As a general rule, open designs increase plenum volume for improved high rpm power, while 4-hole designs increase mixture velocity for improved low-speed and mid-range torque
- Gaskets are not included

PART #	CARBURETOR	THICKNESS	PLENUM
64951*	4500	1"	Open Plenum Design
64981*	4150/4160	1"	Open Plenum Design
64985*	4150/4160	1/2"	Open Plenum Design
64991*	4150/4160	1"	4-Hole Plenum Design w/ 1.696" dia. bores
64996*	4150/4160	1"	4-Hole Plenum Design w/ 1.750" dia. bores

CARBURETOR SPACERS

Cast Aluminum

 Can easily be mounted with one of the Moroso Carburetor Stud Kits Nos. 37950, 37960 or 37961

- Open plenum aluminum carb spacers increase plenum volume for high RPM power
- · Gaskets are not included

PART #	DESCRIPTION	THICKNESS	PLENUM
64950*	4500	1"	Open Plenum Design
64970*	4150/4160	2"	Open Plenum Design
64980*	4150/4160	1"	Open Plenum Design



CARBURETOR ADAPTERS

Aluminum

Gaskets are not included

DESCRIPTION
Carburetor Adapter, 2" Cast Aluminum, adapts Quadrajet carburetor
to Holley® 4150/4160 intake manifold bolt pattern
Carburetor Adapter, 1" Billet Aluminum, adapts Holley® No. 4412 style
to a 4150 4 bbl. square flange manifold
Carburetor Adapter, ¾" Billet Aluminum, adapts Holley® 2300/2305
2 bbl. carburetors to intake manifolds with Holley® 4150/4160 4 bbl.
bolt pattern, 2-hole plenum design with 1.50" dia. bores
Carburetor Adapter, 3/4" Billet Aluminum, adapts Holley® 2300/2305
2 bbl. carburetors to intake manifolds with Holley® 4150/4160 4 bbl.
bolt pattern, 2-hole plenum design with 1.693" dia. bores
Carburetor Adapter, 2" Cast Aluminum, adapts Holley® 4500 Dominator

carburetor to Holley® 4150/4160 intake manifold bolt pattern



^{*}Not legal for sale or use on pollution-controlled vehicles.

CARBURETOR SPACERS & ADAPTERS, NON-METALLIC

CARBURETOR SPACERS

Insulating Plastic & Phenolic

- Advanced plastic and phenolic compounds are speciallyformulated to reduce heat conductivity 10 times greater than aluminum
- Reducing fuel temperature inside the carburetor results in a denser, more powerful fuel charge to the manifold
- Insulating phenolic spacers come pre-drilled for alignment pins. Moroso Nos. 64930 and 64940 include all mounting hardware
- · Gaskets are not included



PART #	DESCRIPTION	THICKNESS	PLENUM
64930*	4150/4160	1"	4-Hole Plenum Design with 1.75" dia. bores, Plastic
64940*	4150/4160	1"	Open Plenum Design, Plastic
64943*	4150/4160	1/2"	4-Hole Plenum Design with 1.75" dia. bores, Phenolic
64945*	4150/4160	1/2"	4-Hole Plenum Design with 1.467" dia. bores, Phenolic
64947*	4500	1/2"	Open Plenum Design, Phenolic
64941*	Quadrajet	1/2"	4-Hole, Phenolic



CARBURETOR SPACERS

Wood Design

- Unique ½" spacers are precision machined on state-of-the-art millworking centers, and can be used individually or stacked without the use of gaskets
- Thin layers of choice laminated hardwood, bonded together with resin form a natural thermal barrier
- Top-quality hardwood has a sheet of phenolic resin-impregnated paper bonded to both sides
- Can be easily modified to your particular manifold for optimum performance
- · Gaskets are not included

PART #	DESCRIPTION	THICKNESS	PLENUM
65015*	4150/4160	1/2"	Open
65016*	4500	1/2"	Open
65017*	4500	1/2"	4-Hole
65018*	Quadrajet	1/2"	Open

CARBURETOR ADAPTER

Insulating Phenolic

· Gaskets are not included

PART # DESCRIPTION

64952* Carburetor /

Carburetor Adapter, 1" Insulating Phenolic. Adapts Holley® No. 4412, 500 cfm, 2 bbl. Carbs to standard Holley 4661 bolt pattern intake manifold



No. 64952

^{*}Not legal for sale or use on pollution-controlled vehicles.

CARBURETOR WEDGE PLATE

- .830" thick at its thickest point
- To keep carburetor float-bowls "level" during acceleration, some amount of mounted carburetor angle is necessary
- Moroso's wedge plate tilts the carburetor forward 5° to provide the optimum angle during quick acceleration and front-end lift
- Dual bolt pattern
- · Gaskets are not included

PART # DESCRIPTION

65030* Carburetor Wedge Plate, fits standard Holley® Bolt Pattern, Carb AFB/Edelbrock



Carburetor Tools on pgs.232-233

CLEAR-VIEW SIGHT PLUGS

The Original! For Holley® Carbs

- Clear Sight Plugs are like having a "window" to your float bowl
- Allows you to check float bowl level without removing the plug and spilling fuel
- Includes 0-rings
- · After setting float bowl level, replace clear sight screws with original bung plugs

PART # DESCRIPTION

65226 Clear-View Sight Plugs for Holley® Carbs, Two per pack



No. 65226

CARBURETOR JET EXTENSION KIT

For Holley® Carbs

- · Developed by carburetor wizard Gary Williams
- Eliminates fuel starvation during hard acceleration or cornering by extending the fuel pickup point of the jet farther into the float bowl
- Each kit contains three sets of two extensions: ½" long for stock float bowls; ¾" long for use with Moroso Fuel Level Control Kit No. 65221; 1" long which can be cut to any custom application



65227 Carburetor Jet Extension Kit, fits Holley® 2bbl. & 4bbl. carbs



No. 65227

HOLLEY ® JET EXTENSIONS

- Brass Jet Extensions screw into the metering block to reposition jets farther back into the fuel bowl to eliminate fuel starvation – and they won't fall out!
- CNC machined for precise fit and maximum fuel flow
- Must be used in conjunction with Moroso Drag Race Float Kit No. 65228 to clear extensions
- Two per pack

PART # DESCRIPTION

 $\begin{array}{ll} \textbf{65440}^{\star} & \text{Jet Extensions, } 1/4\text{"--32, STD Holley} ^{\$} \text{ Jets} \\ \textbf{65441}^{\star} & \text{Jet Extensions, } 5/16\text{"--32, HP Holley} ^{\$} \text{ Jets} \\ \end{array}$

*NOTE: For Drag Racing, use Moroso Float No. 65228 modified to fit extensions.



No. 65440 No. 65441

NYLON FLOAT BOWL WASHER KIT

- The ultimate cure for the problem of soft, wet, deteriorating fiber, Holley[®] float bowl washers
- Our nearly indestructible nylon replacement washers are unaffected by fuel, and won't leak or break down under normal usage
- Ten per package

PART # DESCRIPTION

65225 Float Bowl Washer Kit, For Holley® Carbs



No. 65225

CARBURETOR ACCESSORIES & PARTS

HEX HEAD FUEL BOWL SCREWS

For Holley® Carbs

- Designed for Holley® 4150-4160 and 4500 model carburetors
- Hex head (rather than screwdriver head) allows for easier removal of the fuel bowl
- Four per package
- Screws are 2-1/2" long

PART # DESCRIPTION

65414 Hex Head Fuel Bowl Screws for Holley® Carbs., four per package



No. 65414

HOLLEY ® HIGH FLOW SQUIRTER SCREWS

- · Allen head design is streamlined for less turbulence and increased airflow
- Enlarged and repositioned slot provides a clear path to the shooter nozzle, eliminating restrictions and improving throttle response
- One per package

PART # DESCRIPTION

65442* Holley® High Flow Squirter Screw, Cadmium-Plated Steel, Gasoline

65443* Holley® High Flow Squirter Screw, Stainless Steel, Alcohol





No. 65442

No. 65443

HOLLEY® ACCELERATOR PUMP CAM KIT

- Handy kit contains an assortment of color-coded plastic cams to match accelerator pump requirements to individual engine performance needs
- Color coding makes it easy to identify specific cam applications when installed
- Kit includes a helpful tuning chart to assist you in selecting the appropriate accelerator pump cam
- . Contains 8 cams and 2 screws

PART # DESCRIPTION

65531 Holley® Accelerator Pump Cam Kit



No. 65531

HOLLEY® VACUUM SECONDARY SPRING KIT

- Provides springs of various rates to allow the racer to custom tailor the vacuum secondary opening and closing rate to best suit their combination
- Contains seven springs; color coded from light to heavy
- · Instructions included

PART # DESCRIPTION

65425* Holley® Vacuum Secondary Spring Kit



No. 65425

1:1 SLIP LINK

- •Replaces the "progressive" stock link to provide simultaneous, 1:1 primary and secondary opening rates
- · Requires drilling of existing primary throttle arm hole
- One per package

PART # DESCRIPTION

65444* Slip Link, 1:1, Holley® 4150



^{*}Not legal for sale or use on pollution-controlled vehicles.

CARBURETOR ACCESSORIES & PARTS

HOLLEY® VACUUM SECONDARY DIAPHRAGM

 Replacement diaphragm fits the most popular Holley® vacuum secondary carburetors including:

0-1849, all 1850, all 3310, 0-4453-1, 0-458,0-6619, 0-6619-1, 0-6909, 0-6919, 0-6979, 0-6979-2, 0-6989, 0-7002, 0-7002-1, 0-7004, 0-7004-1,

0-7004-2, 0-7005, 0-7005-1, 0-7005-2, 0-7006, 0-7006-1,

0-7006-2, 0-7009

Replaces Holley® diaphragm 135-4

PART # DESCRIPTION

65426* Holley® Vacuum Secondary Diaphragm



No. 65426

OVAL TRACK FLOAT KIT

For Holley® Carbs

- Wedge shape compensates for the action of centrifugal force on the fuel and ensures proper needle and seat operation under the most severe left-cornering conditions
- Includes one front and one rear float
- Fits all Holley® center hung float/cathedral bowl carburetors
- · Manufactured of Nitrophyl, which doesn't absorb fuel
- Intended primarily for oval track racing, kit can also be used in drag race applications where two Holley® Carbs are mounted sideways on manifold
- Alcohol compatible

PART # DESCRIPTION

65432* Oval Track Float Kit, fits Holley® Carbs



No. 65432

DRAG RACE FLOAT KIT

For Holley® Carbs

- Alcohol compatible
- Float is notched to clear 3/4" long jet extensions
- Fits all Holley® carburetors with center hung floats
- Manufactured of Nitrophyl, which doesn't absorb fuel
- Saves the racer many hours of notching and epoxy coating
- One per package

PART # DESCRIPTION

65228 Drag Race Float Kit, fits Holley® Carbs



No. 65228

HOLLEY® ACCELERATOR PUMP DIAPHRAGMS

· One per package

PART # DESCRIPTION

65532 Holley® Standard 30cc Accelerator Pump Diaphragm

65534 Holley® 50cc Accelerator Pump Diaphragm



*Not legal for sale or use on pollution-controlled vehicles.



CHECKING FLOAT LEVEL

While the engine is running at idle, remove the float-level sight plug. A small amount of fuel should run out from the front half of the carburetor. The level should be slightly higher at the rear. When turned clockwise, the needle-and-seat nut will adjust the float down. When turned counterclockwise, the float is adjusted up. To adjust the needle-and-seat, back off the center screw. Make sure that all components that have been adjusted are checked for tightness.

NOTE: Use caution whenever working with fuel system components to minimize spillage and avoid fuel contact with extremely high temperature components.

CARBURETOR ACCESSORIES & PARTS

HOLLEY® NEEDLE & SEAT HARDWARE KIT

- Includes all the necessary replacement hardware for Holley® needles and seats
- Kit contains: one needle and seat adjusting screw, one screw gasket, one needle and seat adjusting nut, one nut gasket, one needle and seat o-ring

PART # DESCRIPTION

65413* Holley® Needle and Seat Hardware Kit



HOLLEY® NEEDLES AND SEATS

- The Viton® needle design is highly recommended for gasoline-fueled engines because it is resistant to dirt and conforms to the seat for superior sealing
- If you use exotic fuels or additives such as alcohol, benzine, acetone, etc., you must use the steel-needle version
- Two per package

PART # DESCRIPTION

65411* Holley® Needle and Seat, Viton®, .110 orifice, carbs up

to 735 cfm. Gasoline only

65412* Holley® Needle and Seat, Steel, .130 orifice,

750 cfm and up. Gasoline, exotic fuels or additives



HOLLEY ® POWER VALVE PLUG & GASKET

- Used with Holley® carburetors where fuel enrichment via the power valve is not desired. Full-throttle fuel enrichment is achieved by jetting up the carburetor by approximately 10 jet sizes
- Kit includes ½"-28 threaded plug with gasket

PART # DESCRIPTION

65408* Holley® Power Valve Plug and Gasket



No. 00-1

HOLLEY® POWER VALVE

• One valve and gasket per package

PART # DESCRIPTION

65401 Holley® Power Valve, opens at 3.5" of vacuum



REUSABLE BUNA-N HOLLEY® GASKETS

- Moroso replacement gaskets for Holley® 4150-4160 series carbs are made from high grade Buna-N compound with an anti-wicking nylon backing and for use with alcohol or racing gasoline
- Reuse them over and over
- Also fits other Holley® carburetors (see the Holley® application guide for a complete listing)

PART # DESCRIPTION

65222 Reusable Buna-N Holley® Metering Plate Gasket,

Replaces Holley® Part No. 108-89-2, Pack of 2

65223 Reusable Buna-N Holley® Metering Plate Gasket, Replaces Holley® Part No. 108-90-2, Pack of 2

65224 Reusable Buna-N Holley® Float Bowl Gaskets,

Replaces Holley® Part Nos. 108-92-2 and 108-83-2, Pack of 2





No. 65224



No. 65222

No. 65223

^{*}Not legal for sale or use on pollution-controlled vehicles.

FUEL LINE & FITTINGS

ALUMINUM FUEL LINE

• Lightweight aluminum tubing replaces small diameter fuel lines used in most production automobiles

• Large diameter, .035" thick wall seamless tubing flows more fuel and eliminates fuel starvation

Legal in all classes; tested to 35 PSI

PART #	DESCRIPTION
65330	Aluminum Fuel Line, 25' Coil, 3/8" O.D.
65340	Aluminum Fuel Line, 25' Coil, 1/2" O.D.
65345	Aluminum Fuel Line, 25' Coil, 5%" O.D.



No. 65330

STREAMLINE FUEL LINE FITTINGS

- 90° streamline fuel line fittings are manufactured of brass and provide a quick, easy fuel hose connection
- Streamline fittings offer the racer improved fuel flow to the carburetor over the right angle fittings more commonly available
- One per package

PART #	DESCRIPTION
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Streamline Fuel Line Fitting, 90°, %" NPT to ½" hose
Streamline Fuel Line Fitting, 3/8" To 1/2" Hose, 90 Deg., black
Streamline Fuel Line Fitting, 90°, %" NPT to %" hose





No. 65140



FUEL HOSE FITTINGS

Handy brass fittings can be used on electric fuel pumps and regulators

PAKI#	DESCRIPTION
65375	Fuel Line Fittings, ¼" NPT to ¾" Hose, one per package
65380	Fuel Line Fittings, %" NPT to %" Hose, two per package
65381	Fuel Line Fitting, 3/8" To 3/8" Hose, Straight, black
65382	Fuel Line Fitting, 3/8" To 3/8" Hose, 90 Deg., black
65388	Fuel Line Fitting, 3/8" To 1/2" Hose 90 Deg., black
65389	Fuel Line Fitting, 3/8" To 1/2" Hose, Straight, black
65390	Fuel Line Fittings, 3/8" NPT to 1/2" Hose, two per package



No. 65381



No. 65382





No. 65388

No. 65389

FUEL INLET FITTINGS

For Holley® Carbs

- \bullet These Fuel Inlet Fittings adapt -6AN or -8AN fuel lines to all Holley®single and dual-feed carburetors with % " -20 UNF inlets
- For No. 65144, extended wrench flat location allows for easier installation
- Each aluminum fitting has a black anodized finish for protection
- Two per package, includes washers

PART # DESCRIPTION

65141 Fuel Inlet Fittings, Holley® Fuel Bowl to -6AN Fuel Inlet Fittings, Holley® Fuel Bowl to -8AN



FUEL SYSTEM EQUIPMENT

No. 65230

ALUMINUM FUEL BLOCK KITS

- Universal, high flow Fuel Block Kits easily solve dual gas line problems assuring equal flow and pressure for twin carb setups or dual pickup gas tanks
- Each has a 1/8" NPT provision for a fuel pressure gauge and a socket head pipe plug if a gauge is not used

PART # DESCRIPTION

65160 Aluminum Fuel Block Kit, ½" hose inlet with two

3/8" hose outlets

65170 Aluminum Fuel Block Kit, ½" hose inlet with two

1/2" hose outlets



FUEL PRESSURE GAUGE FITTINGS

- Allows easy plumbing up to 1/8" NPT fuel pressure gauge lines
- Saves wear and tear on carb inlet fittings by allowing quick and easy disconnecting of fuel line
- Anodized aluminum

PART #	DESCRIPTION
65300	Fuel Gauge Fitting, -6AN Male to -6AN Male
65310	Fuel Gauge Fitting, 3/8" NPT Female to 3/8" NPT Male
65315	Fuel Gauge Fitting, 3/8" NPT Male to -6AN Male
65360	Fuel Gauge Fitting, %" line with hose fitting



PRESSURE REGULATING FUEL LOG

- · Meets the higher fuel delivery demands in today's race engines
- Increases the orifice to nearly twice that of two regulators combined, creating a totally free flowing fuel system that allows the pumps to deliver full capacity at all times
- Standard fuel systems regulate pressure before the fuel reaches the carburetors, while this system regulates pressure after the carburetors have been supplied and requires a return line to the fuel tank
- Shims are included to allow easy pressure adjustment from 6-10 psi, as are complete instructions and tuning tips

PART # DESCRIPTION

65145 Pressure Regulating Fuel Log

IN-LINE FUEL FILTERS

- Removes dirt and debris from fuel systems with minimum restriction
- The aluminum housing is black anodized with 0-ringed removable end caps
- Filter Element itself is constructed out of a Stainless Steel fine screen that filters down to 40 Microns and is washable for re-use

PART # 65230*	DESCRIPTION In-Line Fuel Filter, -8AN Fittings, 6-½" overall length
65231*	In-Line Fuel Filter, accepts %" NPT Fittings, 5-1/8" overall length
65234	In-Line Fuel Filter, -10AN Male Fittings

PART # REPLACEMENT PARTS 97062 40 Micron Filter Element



MOROSO

*NOTE: Not recommended for high-pressure fuel injection systems.

FUEL SYSTEM EQUIPMENT

EFI FUEL RETURN LINE KIT

- Allows EFI conversion without welding a return line fitting to the fuel tank
- Simply cut a 2-¾" section out of any 2" 0.D. fuel tank filler tube and insert the 6061-T6 aluminum adapter; installs on most vehicles without removing the fuel tank
- Includes two Buna-N sleeves and four stainless steel hose clamps to seal the connection on each end of the adapter
- 3/8" aluminum fuel fitting is factory welded to the adapter for a leak free seal
- Fuel fitting has a 90° smooth-contour bend inside the adapter to direct return fuel downward into the tank
- Use with Moroso Aluminum Fuel Line No. 65330 for a return line from the EFI regulator to the fitting located on the filler tube



No. 65385

PART # DESCRIPTION
65385* EFI Fuel Return Line Kit

FUEL PRESSURE GAUGE

With Flutter Guard

- · Vibration controlled dial, not dampened by liquid
- Heavy-duty American made gauge with stainless steel case and bezel will not rust, chip, peel or oxidize like other designs
- Suited for use with alcohol
- Accurate to within 1%; marked in 1/4-pound increments
- Compact 1.5" dia. gauge can be mounted to fuel regulator or fuel block for convenient fuel pressure tuning
- Includes 1/8" NPT Male Fitting

PART # DESCRIPTION

65370 Fuel Pressure Gauge, 0-15 psi
65372 Fuel Pressure Gauge, 0-60 psi
65374 Fuel Pressure Gauge, 0-100 psi



No. 65370



No. 89610



No. 89611

VACUUM GAUGE

1.5" Diameter, 0-30" Hg

- Used to determine vacuum in your engine
- Will fit any 1/8" NPT male fitting
- Excellent vibration and shock resistance

PART # DESCRIPTION

89610 Vacuum Gauge, 1.5" Diameter, 0-30" Hg

OIL PRESSURE GAUGE

1.5" Diameter, 0-120 PSI

- Necessary for racing applications where high oil pressures, above the range of typical oil pressure gauges are used
- Will fit any 1/8" NPT male fitting
- Excellent vibration and shock resistance

PART # DESCRIPTION

89611 Oil Pressure Gauge, 1.5" Diameter, 0-120 PSI

^{*}Not legal for sale or use on pollution-controlled vehicles.

FUEL PUMP PLUMBING & ACCESSORIES

FUEL PUMP BLOCK-OFF PLATES

- Designed to block off the fuel pump mounting boss when a mechanical fuel pump is not used
- Available in two popular styles
- Made of anodized aluminum or high luster triple chrome plated steel
- includes gasket

DART # DECCRIPTION

PANI#	DESCRIPTION
65391	Fuel Pump Block-Off Plate, Anodized Aluminum, SBC
65392	Fuel Pump Block-Off Plate, Anodized Aluminum, BBC, 273-440
	Chrysler and all Fords except 351C, 351M and 400
65393	Fuel Pump Block-Off Plate, Chrome Plated Steel, SBC
65394	Fuel Pump Block-Off Plate, Chrome Plated Steel, BBC,

273-440 Chrysler, and all Fords except 351C, 351M and 400



BILLET ALUMINUM FUEL PUMP BLOCK-OFF PLATES

- Includes Gaskets and Stainless Steel Socket Head Screws
- Black Anodized

PART # DESCRIPTION

65395 Fuel Pump Block-Off Plate, SBC

65396 Fuel Pump Block-Off Plate, BBC, 273-440 Chrysler,

and all Fords except 351C, 351M and 400



No. 65395

No. 65396

BILLET ALUMINUM EQUALIZING PLATES WITH FITTINGS

- Black anodized, includes 1/8" NPT Fitting and -12AN Fitting
- Allows the vacuum pump and vacuum gauge to be connected
- Can also be used as a drain back location
- Includes Gaskets and Stainless Steel Socket Head Screws

PART # DESCRIPTION

65397 Fuel Pump Block-Off Plate, SBC

65398 Fuel Pump Block-Off Plate, BBC, 273-440 Chrysler, and

all Fords except 351C, 351M and 400

NOTE: Installation of this product requires pulling vacuum from a valve cover as well



No. 65397



No. 65398

LIGHTWEIGHT FUEL PUMP PUSH RODS

- Lightweight design with hardened ends reduces reciprocating mass to prevent pump arm "float" and subsequent fuel starvation
- For use in Drag, Oval Track and Street-Performance applications

PART # DESCRIPTION

65750 Lightweight Fuel Pump Push Rod, SBC and BBC
 65752 Lightweight Fuel Pump Push Rod, 0.200" longer to fit
 World Products Merlin and Oldsmobile Rocket Block



No. 65750

FUEL PUMP SPRING

• This heavy-duty fuel pump spring boosts Holley® electric fuel pump pressure from 12 to 19 psi and increases overall fuel volume

PART # DESCRIPTION

65770 Fuel Pump Spring, Holley® Electric Fuel Pumps



No. 65770

FUEL SYSTEM EQUIPMENT

INTAKE MANIFOLD SPACER PLATES

- Allows you to bolt on conventional, short deck intake manifolds on GM's Chevy tall deck truck blocks, or any Big Block Chevy-style aftermarket block which is .400" taller than stock
- Precision machined aluminum; mounts between the intake manifold and cylinder head

PART # DESCRIPTION

65090* Intake Manifold Spacers, Fits Tall Deck (+.400") Big Block Chevy



No. 65090

*Not legal for sale or use on pollution-controlled vehicles.

VACUUM LINE CAP KIT

- Convenient kit provides a quick, sure way to seal vacuum line connections at carburetors, manifolds, etc. when vacuum lines have been removed
- Kit consists of color-coded soft plastic caps in quantities and inside dimensions as follows: two $\frac{1}{8}$ ", six $\frac{3}{16}$ ", six $\frac{1}{4}$ ", two $\frac{5}{16}$ ", four $\frac{3}{8}$ "

PART # DESCRIPTION 41090 Vacuum Line Cap Kit



No. 41090

VACUUM LINE CAP KIT. BLACK CAPS

- Convenient kit provides a quick, sure way to seal vacuum line connections at carburetors, manifolds, etc. when vacuum lines have been removed
- Kit consists of black soft plastic caps in quantities and inside dimensions as follows: two 1/8", six 3/16", six 1/4", two 5/16", four 3/8"

No. 41091

PART # DESCRIPTION

41091 Vacuum Line Cap Kit, Black



SEE TOOL SECTION ON PGS. 226 - 240

For years, Moroso Air Cleaners and accessories have set the standard by which all others are judged. Whether in triple process chrome steel, powdercoat or our unique fiber design, Moroso Air Cleaners provide the racer or street performance enthusiast with improved air flow, a lower stacking height, and unequalled fit and finish. Moroso Air Cleaners and accessories are simply the best money can buy!





No. 65904

Other Colors Available:





BETTER AIRFLOW!

- Moroso's unique radiused air inlet design equalizes air pressure past the boosters for uniform air flow
- Radiused air inlet is stamped into air cleaner base to reduce overall height

LOW STACKING HEIGHT!

- Air Cleaners with 3" element have an overall stacking height above the carburetor lip of only 2-½", while 5" filters have a 4-½" overall height
- Fits all Holley®, Carter®, Rochester®, and Edelbrock® carburetors with 5-1/8" diameter necks & MSD® Atomic EFI

MORE POWER!

 Back to back dyno testing proves a gain of nearly 10 horsepower over running no air cleaner at all

GREAT LOOKS!

- Available accessories including valve covers, breathers and ignition wire sets
- Includes matching wing nut



Air Cleaner Wing Nut on pg. 277

PART # DESCRIPTION

65904* Racing Air Cleaner, 14" dia. with 3" filter, Powder Coated-Black, PCV adapter included

65905* Racing Air Cleaner, 14" dia. with 3" filter, Powder Coated-Red, PCV adapter included

65906* Racing Air Cleaner, 14" dia, with 3" filter, Powder Coated-Blue, PCV adapter included

65910* Racing Air Cleaner, 14" dia. with 3" filter, Chrome plated steel, hand polished, PCV adapter included

PART # REPLACEMENT PARTS 97080 3" x 14" Air Cleaner Element

97081 4" x 14" Air Cleaner Element

97330 5" x 14" Air Cleaner Element (includes stud)

FIBER DESIGN LOW-PROFILE AIR CLEANER

- Classic Moroso high flow, low stacking height design
- Increased horsepower with great fiber design look
- · Includes wing nut and stud
- Fits all Holley®, Carter®, Rochester®, and Edelbrock® carburetors with 5-1/8" diameter necks & MSD® Atomic EFI

PART # DESCRIPTION

65915* Racing Air Cleaner, 14" diameter with 3" filter

Gray/Black Fiber Design

PART # REPLACEMENT PARTS 97080 3" x 14" Air Cleaner Element



No. 65915

*Not legal for sale or use on pollution-controlled vehicles unless originally equipped with an open element air cleaner.

AIR CLEANER

Raised bottom for 14" x 3"

- This air cleaner bottom section converts Moroso and other 14" x 3" air cleaner assemblies to the Moroso "Raised Bottom design" that clears Edelbrock® 4 BBL Carburetors and Holley Carburetors with tall throttle return spring brackets
- Features a deep retaining lip that locks the air cleaner element in place
- · Aluminum with a raw aluminum finish
- Can be polished, painted, powder coated or chrome painted for a custom look

PART # **DESCRIPTION**

97090 Air Cleaner, Raised bottom section for 14" X 3" assemblies



No. 97090

FLAT BOTTOM AIR CLEANERS

- Flat bottom design raises installed height of air cleaner for additional sheet metal clearance in race cars such as NASCAR® Modifieds
- 14" diameter Air Cleaners available with 3" or 5" filter elements
- Chrome plated steel
- Fits Holley®, Carter®, Edelbrock® and Rochester® carburetors

PART # DESCRIPTION

65911* Flat Bottom Air Cleaner, 14" dia. with 3" filter, chrome,

Fits: Holley®. Thermoquad. Quadraiet and similar carburetors

with 5-1/8" dia. neck, PCV adapter included

Flat Bottom Air Cleaner, 14" dia. with 3" filter, chrome, 65945*

Fits: Hollev® 4500 carburetors with 7-5/6" dia. neck

65946* Flat Bottom Air Cleaner, 14" dia. with 5" filter, chrome. Fits: Holley® 4500 carburetors with 7-5/16" dia. neck



No. 65911

PART# 97080

REPLACEMENT PARTS

3" x 14" Air Cleaner Element (does not includes stud)

97330 5" x 14" Air Cleaner Element

(includes stud)

OFFSET AIR CLEANER

- Owners of Small Block Chevy powered cars with 2- and 4-bbl. Holley® carbs with 5-1/8" necks don't have to cut up their air cleaners to make room for large diameter distributors, such as HEI
- Offset forward by 1-1/2" to clear GM HEI distributors
- For IMCA and NASCAR® Modifieds that require air cleaners to be mounted above the hood line, the raised bottom (3/8") design provides an overall height above the carburetor lip of 4-3/4"
- For late model stocks that require under-hood air cleaners, the dropped (1-3/4") design provides an overall height above the carburetor lip of 2-3/4"
- Finished in Chrome plated top, clear anodized bottom and comes complete with 4" filter elements, one 1/4" -20 and one 5/16" -18 offset stud and three 1/4" -20 and three 5/16" -18 hex nuts

PART # DESCRIPTION

65928* 14" Offset Air Cleaner with Raised Bottom,

4" element, Chrome Plated Top-Clear, 2- and 4-bbl Holley®

REPLACEMENT PARTS



No. 65928

PART# 97081 4" x 14" Air Cleaner Element

AIR CLEANERS

AIR CLEANERS. RAISED BOTTOM

14" X 3", Raised Bottom

- Raised bottom design clears Edelbrock® 4 BBL Carburetors and Holley Carburetors with tall throttle return spring brackets
- Air Cleaner top and bottom accept a 14" diameter air cleaner element
- Kits include a Moroso 3" tall element
- Radiused air inlet design equalizes air pressure past the boosters for uniform air flow
- Includes mounting stud, and matching wing nut
- Available with a black powder coat or chrome finish top



65912 Air Cleaner Kit, 14" X 3", Raised bottom, Black Powder Coat

65913 Air Cleaner Kit, 14" X 3", Raised bottom, Chrome



No. 65913

AIR CLEANERS

11-1/2" and 8-1/2" Diameters

- Available in black, red and blue powdercoat and ultra-high luster, hand polished triple-process, chrome plated steel
- · Matching wing nut included
- Fits Holley®, Thermoquad, Quadrajet and similar carburetors with a 5-1/8" diameter neck



No. 66210

LOW PROFILE AIR CLEANER

16" O.D.

- 1-¾" dropped base to work on carbs with 7-5/16" diameter necks (4500 Series, Dominator, King Demon)
- Filter element for harsh racing environments, including Dirt Tracks
- Works with 3-1/2", 4", 4-1/2" and 5" tall filter elements
- Thick .060" spun aluminum, can be polished, painted or powder coated
- · Radiused air inlet for maximum air flow
- Will work with K&N® 16- $\frac{1}{6}$ ", 16- $\frac{1}{4}$ " and 16- $\frac{3}{16}$ " 0.D. air filter
- Improved filter element retaining lip on base

PART # DESCRIPTION

65920 16" Low Profile Air Cleaner with dropped bottom, 4" element, for 4500 Series,

Dominator, King Demon Carbs

PART # REPLACEMENT PARTS 97085 4" x 16" Air Cleaner Element





No. 65920

AIR CLEANER BASE GASKET, CHANNELED

11-1/2" and 8-1/2" Diameters

- Fits carburetors with 5-1/8" neck
- Designed for Moroso Air Cleaners and other brands with straight lip
- Channel provides extra protection against dust and other harmful elements
- Channel creates a maximum seal for carburetor airflow
- Made from Buna 70 durometer material
- Can be used conventionally on rolled lip air cleaner bases by flipping over

PART # DESCRIPTION

97331 Air Cleaner Base Gasket, Channeled



REUSABLE FOAM FILTER SHIELD

- When dirt and clay oval tracks turn into "dust bowls", even the best racing air cleaners can become clogged with dirt and dust
- Made of open cell foam to keep large debris out of the filter element without restricting airflow
- Fits snugly around 14" x 5" racing filters
- Can be cleaned in the sink or even in the washing machine
- Excellent for off-road truck applications
- One per pack

PART # DESCRIPTION

65947 Reusable Foam Filter Shield, fits 14" x 5" filters



No. 65947

AIR CLEANERS & ACCESSORIES

AIR CLEANER WING NUT

- Can be used with any Moroso Air Cleaner
- They also match our extra long Valve Cover Wing Nuts to add a look of uniformity to engine compartment
- Made to fit only 1/4" -20 studs
- Fits most popular air cleaners
- One per pack

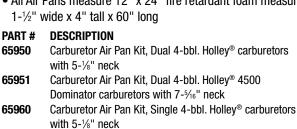
PART # DESCRIPTION

65820 Air Cleaner Wing Nut, Chrome plated steel



CARBURETOR AIR PAN KITS

- Available for either single or dual carb applications
- Unlike other brands, our Air Pan Kits are designed with a smooth radius at the intake area of the carburetor for improved airflow
- · Air Pan-to-hood sealing ring is manufactured of fire retardant foam, for added protection
- All Air Pans measure 12" x 24" fire retardant foam measures



Carburetor Air Pan Kit, Single 4-bbl. Holley® 4500 Dominator carburetors with 7-5/16" neck



PART# **REPLACEMENT PARTS** 97070 Sealing Foam, 4" x 60"

AIR CLEANER STUD ADAPTER

- Allows Moroso and other air cleaners with 1/4" stud and wing nut to be used on carburetors with a 5/16" mounting hole
- One end of the adapter features a 5/16" -18 male thread that screws into the carburetor, the other end features a 1/4" -20 female thread that accepts a standard air cleaner mounting stud
- Clear zinc plating resists corrosion
- Overall length: 7/8"
- One per pack

65961

PART # DESCRIPTION

66390 Air Cleaner Stud Adapter, Fits: Holley® H.P. Series,

DEMON and other carburetors with 5/16"-18 air cleaner mounting



No. 66390

Using advanced gas dynamics and sophisticated noise cancellation acoustics, Moroso engineers have developed the finest and most durable Racing Mufflers for your Exhaust System. Specially engineered spiral baffles divide the exhaust flow into two separate paths, significantly reducing noise levels with minimal backpressure.

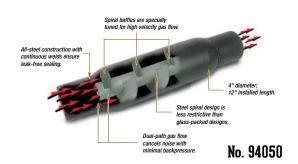
MOROSO SPIRAL FLOW RACING MUFFLERS

- Reduced noise levels with minimal backpressure
- These mufflers offer a 5 7 db drop over open collectors and the mufflers flow 850 C.F.M

PART #	DESCRIPTION
94050	Spiral Flow Racing Muffler, Heavy Duty Steel,
	2.5" Inlet/Outlet
94051	Spiral Flow Racing Muffler, Heavy Duty Steel,
	3.0" Inlet/Outlet

Spiral Flow Racing Muffler, Heavy Duty Steel, 3.5" Inlet/Outlet

94052



HIGH FLOW POLISHED STAINLESS STEEL MUFFLERS

- Reduced noise levels with minimal back pressure
- Stainless steel construction makes them durable without compromising the looks

PART #	DESCRIPTION
94054	Muffler High Flow, Stainless Steel, 2.5" Inlet/Outlet
94055	Muffler High Flow, Stainless Steel, 3" Inlet/Outlet
94056	Muffler High Flow, Stainless Steel, 3.5" Inlet/Outlet



OXYGEN SENSOR BUNGS

 Weld-in bung needed when replacing stock exhaust with aftermarket pipes, headers, etc., not equipped for sensor

Oxygen Sensor Bung, Mild Steel, 10 per pack

M-18 by 1.5 Thread Size

22731

PART #	DESCRIPTION
22730	Oxygen Sensor Bung, Mild Steel, Single





No. 22732

PART # DESCRIPTION

22732 Oxygen Sensor Bung, Stainless Steel, Single22733 Oxygen Sensor Bung, Stainless Steel, 10 per pack

PLUG, 02 SENSOR

- Used to plug Oxygen Sensor Bung
- M-18 by 1.5 Thread Size
- Trivalent chromium plated steel to match stainless headers

PART # DESCRIPTION
22734 Plug, steel with 17mm hex head, M-18 thread size
PART # ACCESSORIES
22730 Oxygen Sensor Bung, Mild Steel, Single
22731 Oxygen Sensor Bung, Mild Steel, 10 per pack





PART # ACCESSORIES
22732 Oxygen Sensor Bung, Stainless Steel, Single
22733 Oxygen Sensor Bung, Stainless Steel, 10 per pack

EXHAUST SYSTEM EQUIPMENT

HEADER FLANGE KIT

- Aluminum plates simplify the task of matching exhaust ports to large tube, dual flange headers on Small Block Chevy engines
- Only %" thick to save weight
- Includes six plates, enough for one engine

PART # DESCRIPTION

67650 Header Flange Kit, Small Block Chevy



HEAT BARRIER BLANKET

- ½" thick, 18" x 24" non-asbestos blanket can be easily cut to any shape with scissors, and wrapped around fuel lines, brake lines, dry sump lines, power steering lines, etc; withstands up to 2300°F
- May also be used on firewalls and floor boards to reduce in-car temperature
- Made from a silica-based formula that contains no asbestos

PART # DESCRIPTION 80805 Heat Barrier Blanket



No. 80805

INSULATING HEADER WRAP

- Increases exhaust cycle efficiency
- Protects crew members from burns, and prevents starter wires and plug wires from coming into contact with hot header pipes
- Reduces engine compartment temperature
- Highly pliable for a nice, tight wrap
- · Made from a silica-based formula that contains no asbestos

PART # DESCRIPTION

80807 Insulating Header Wrap, $2" x \frac{1}{6}" x 100'$ Roll **80808** Insulating Header Wrap, $2" x \frac{1}{6}" x 50'$ Roll Insulating Header Wrap, $1" x \frac{1}{6}" x 50'$ Roll



No. 80807

EXHAUST WRAP BAND CLAMP KIT

Stainless Steel, 24 Pack

- Insulating header wrap has proven itself to increase exhaust cycle
 efficiency, protect crew members from burns, prevent starter, plug
 wires from coming in contact with hot header pipes and reduces engine
 compartment temperature
- Installing header wrap and making sure that it stays where it needs to is more problematic. Using a Exhaust Wrap Band Clamp on the beginning and throughout the wrapping process keeps the wrap locked in place for better heat retention and a neater appearance
- The low profile, pull through clamps are easier to use than hose clamps and plastic tie wraps can't hold up to heat like these clamps can
- Manufactured out of high grade 304 stainless steel, with a tensile strength of 200 lbs and a temperature rating of over 2500 Degrees
- Kit comes with 18 pieces of 14" long clamps for the primary tubes and 6 pieces of 20" long clamps for the collectors, more than enough for a V-8 engine
- For ease of installation, use optional Part **No. 62284** Band Clamp Tightening Tool (sold separately)

PART # DESCRIPTION

80810 Exhaust Wrap Band Clamp Kit, Stainless steel, 24 pack



PART # AVA 62284 Ban

AVAILABLE OPTIONS

Band Clamp Tightening Tool for MOROSO PART **NO. 80810** band clamps, or other types of band or boot clamps.

STUD GIRDLES

SINGLE BAR STUD GIRDLE FOR CHEVY V8

• Includes all nuts and hardware

PART # DESCRIPTION

67250 Stud Girdle, use with 1/16" studs and roller rocker arms. *Fits: BBC*,

also fits aftermarket BBC heads with standard rocker arm stud location

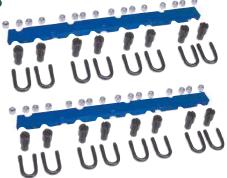
PART # REPLACEMENT PARTS - FOUR PER PACK

67100 U-Bolts, For Stud Girdle, SBC use No. 67050, 67070

67300 U-Bolt Assembly, Use with **No. 67250**

67320 Slotted Head Adjusting Nuts, Use with No. 67250 on exhaust studs

NOTE: All Stud Girdles require the use of tall valve covers



No. 67250

HEX HEAD MOROSO STUD GIRDLE ADJUSTING NUTS

- For use with Moroso Stud Girdles
- Hex head design allows easier valve adjustments with a set screw providing a positive lock
- Fits either stock or roller rockers
- Four per pack

PART # DESCRIPTION

67150 Hex Head Adjusting Nuts, fits %" Rocker Studs Use with Nos. 67040 and 67205

67160 Hex Head Adjusting Nuts, fits %6" Rocker Studs Use with Nos. 67045 and 67205, also fits No. 67295 (Exhaust only)

67170* Hex Head Adjusting Nuts, fits BBC Intakes, Use with No. 67295

*NOTE: Use SBC Hex Head Adjusting Nuts No. 67160 for BBC exhausts

VALVETRAIN OIL DEFLECTOR

- Redirects oil from pushrod to fulcrum balls, rockers and springs to provide maximum lubrication and cooling
- · Extends life of stock valvetrain assembly
- Helps eliminate excessive oil accumulation in breather tank when vacuum pump is used
- Manufactured from lightweight .100" aluminum
- Mounts easily to stock rocker arm studs
- Includes mounting hardware
- Can be easily adapted to many other applications





No. 67700

PART # DESCRIPTION

67700 Valvetrain Oil Deflector, must use with tall Valve Covers. Polylocks not included

Fits: all SBC and Ford 289-302 engines with stamped rocker arms

ABOUT MOROSO VALVE COVERS

Many Moroso Valve Covers are manufactured in the tall style. Taller covers may not fit some engine compartments. Power brake boosters and air conditioning boxes may interfere in some applications. Check hood clearance before ordering. Moroso stock height valve covers are recommended in cases where hood clearance and/or accessory clearance is a problem. However, any Moroso valve cover described as "stockheight" or with "built-in baffles" will not clear stud girdles or shaft rocker assemblies.

CHEVROLET SMALL BLOCK

CHROME PLATED STEEL

Fits: SBC

3-1/2" Tall Design

 Includes two breather/filler cap grommets and one baffled and one non-baffled PCV grommet

PART # DESCRIPTION

68102* Valve Covers, Stamped Steel, Chrome Plated, Tall Design, without Baffles

PART # REPLACEMENT PARTS

68770 PCV Grommet

68772 PCV Grommet with Baffle
93020 Perm Align V/C Gasket
97340 Breather/Filler Cap Grommets



CHROME PLATED STEEL

Fits: SBC

3-1/2" Tall Design with Baffle

 Includes two breather/filler cap grommets and one baffled and one non-baffled PCV grommet

PART # DESCRIPTION

68103* Valve Covers, Stamped Steel, Chrome Plated, Tall Design.

Same as **No. 68102** but with a baffle in the oil fill hole. These

covers will not clear stud girdles or some shaft rocker assemblies

PART # REPLACEMENT PARTS

68770 PCV Grommet

68772 PCV Grommet with Baffle
93020 Perm Align V/C Gasket
97340 Breather/Filler Cap Grommets



No. 68103

CHROME PLATED STEEL

Fits: SBC

Stock Height with Baffle

Includes two breather grommets and one non-baffled PCV grommet

PART # DESCRIPTION

68392* Valve Covers, Stamped Steel, Chrome Plated,

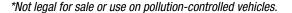
Stock Height, baffle in the oil fill hole, with logo

PART # REPLACEMENT PARTS

68770 PCV Grommet

68772 PCV Grommet with Baffle
93020 Perm Align V/C Gasket
97340 Breather/Filler Cap Grommets

NOTE: These covers will not clear stud girdles or shaft rocker assemblies.





No. 68392

STAMPED VALVE COVERS

Fits: SBC

Powder Coated, 3-1/2" Tall Design

• Includes two breather/filler cap grommets and one baffled and one non-baffled PCV grommet

PART # DESCRIPTION

68003* Valve Covers, Stamped, Powder Coated-Black, Tall Design 68005* Valve Covers, Stamped, Powder Coated-Blue, Tall Design 68006* Valve Covers, Stamped, Powder Coated-Red, Tall Design

PART # **REPLACEMENT PARTS**

68770 **PCV Grommet**

68772 **PCV Grommet with Baffle** 93020 Perm Align V/C Gasket 97340 Breather/Filler Cap Grommets



No. 68005

Other Colors Available:





DIE-CAST ALUMINUM

Fits: SBC

3-1/2" Tall Design

- Packaged two to a set with rubber breather grommets and eight 1-¾" long studs
- Includes two breather/filler cap grommets and one baffled and one non-baffled PCV grommet

DESCRIPTION PART #

68401* Valve Covers, Die-Cast Aluminum, Polished Finish

with Moroso logo, Tall Design

68405* Valve Covers, Die-Cast Aluminum, Polished Finish

without Moroso logo, Tall Design

68411* Valve Covers, Die-Cast Aluminum, Black Epoxy Finish

with Moroso logo, Tall Design

PART # **ACCESSORIES**

68771 PCV Grommet, .095" PCV Grommet/Baffle. .095" 68773 Breather Grommet/Baffle, .095" 68776 Filler Cap Breather Grommet, .095" 97341

68831 Stud Kit, V/C, Bullet Nose, 12 Pt. Nut Perm Align V/C Gasket 93020

REPLACEMENT PARTS PART#

68770 **PCV Grommet**

68772 **PCV Grommet with Baffle** 97021 Wing Nut Studs, 1-3/4" 97340

Breather/Filler Cap Grommets







No. 68405

No. 68411

DIE-CAST ALUMINUM

Fits: SBC With Welded Breather Tubes

3.5" Tall without Breather

· Hooded breathers and studs included

PART # DESCRIPTION

68370*

68365* Valve Covers, Filtered Breather Set, Polished Die-Cast Aluminum with Moroso logo, Tall Design, two breather tubes, 2-¾" apart, welded to the radiator end of the driver's side valve cover

Valve Covers, Filtered Breather Set, Polished Die-Cast Aluminum with Moroso logo, Tall Design, two breather

tubes welded to one cover

68371* Valve Covers, Filtered Breather Set, Black Epoxy finish with Moroso logo, Die-Cast Aluminum, Tall Design, two breather tubes welded to one cover

68374* Valve Covers, Filtered Breather Set, Polished Die-Cast Aluminum without Moroso logo, Tall Design, two breather tubes welded to one cover

68380* Valve Covers, Filtered Breather Set, Polished Die-Cast Aluminum with Moroso logo, Tall Design, two breather tubes welded to each cover

68381* Valve Covers, Filtered Breather Set, Black Epoxy finish with Moroso logo, Die-Cast Aluminum, Tall Design, two breather tubes welded to each cover

PART # ACCESSORIES
68771 PCV Grommet, .095"
68773 PCV Grommet/Baffle, .095"
68776 Breather Grommet/Baffle, .095"
97341 Filler Cap Breather Grommet, .095"
68831 Stud Kit, V/C, Bullet Nose, 12 Pt. Nut

PART # REPLACEMENT PARTS 68811 Filtered Breathers 180°

68812 Hood Filtered Breathers (for early No. 68370 with

1-½" O.D. tubes) **93021** Perm Align V/C Gasket **97020** Studs - 1-¾" long







DIE-CAST ALUMINUM

Fits: SBC With Crossover Breather Tube

3.5" Tall without Breather

 Includes crossover breather tube, two breathers with chrome plated hoods, hoses and clamps for a simple, bolt-on installation

• Ideal for Sprint Cars and other Oval Track applications

PART # DESCRIPTION

68385* Valve Covers, Die-Cast Aluminum with Crossover Breather Tube, Polished Finish with Moroso logo, Tall Design

PART # REPLACEMENT PARTS 68811 Filtered Breathers 93021 Perm Align V/C Gasket 97020 Studs, 1-3/4" long



^{*}Not legal for sale or use on pollution-controlled vehicles.

FABRICATED ALUMINUM. RIGID RAIL

Fits: SBC cylinder heads including 18°, 23°

4" Tall at peak

- Fabricated entirely from superior quality aluminum, ultra lightweight
- Tall enough to clear all popular rocker combinations
- Mounting is through tubes welded diretly to the valve covers to help maintain gasket-rail flatness and to prevent leaks
- · Mounting fasteners included



68335* Valve Covers, Fabricated Aluminum, Rigid Rail, fits all SBC

cylinder heads

PART # ACCESSORIES 68771 PCV Grommet, .095" 68773 PCV Grommet/Baffle

68773 PCV Grommet/Baffle, .095" PART # REPLACEMENT PARTS

68776 Breather Grommet/Baffle, .095" **97346** .47" x 19", Washers, Aluminum with Neoprene Seal

93020 Or **93021** Perm Align V/C Gasket **97341** Filler Cap Breather Grommet, .095"

FABRICATED ALUMINUM, BILLET RAIL, POCKETS

Fits: SBC cylinder heads including 18°, 23° 3.38" Tall

- Fabricated from superior quality aluminum, ultra lightweight
- One-piece billet rail is machined to ensure a precision flat surface for superior sealing
- Tall enough to clear all popular rocker combinations
- Air-tight sealing allows the engine to pull greater vacuum for improved ring seal and power
- Notched at each mounting location with socket-sized clearances for quick installation and removal
- Mounting fasteners included

PART # DESCRIPTION

68326* Valve Covers, Fabricated Aluminum, Logo
 68328* Valve Covers, Fabricated Aluminum, No Logo

93020 Or 93021 Perm Align V/C Gasket

PART # REPLACEMENT PARTS

97035 Nuts, 12 Pt.

*Not legal for sale or use on pollution-controlled vehicles.



No. 68328

No. 68335

FABRICATED ALUMINUM, BILLET RAIL, POCKETS

With Valve Spring Oilers

Fits: SBC cylinder heads including 18°, 23°

4" Tall

- Fabricated entirely from superior quality aluminum, ultra-lightweight
- Custom-built for Oval Track Racing/Offshore Boat Racing
- Built-in oiling system keeps valve springs running cool for extended life, especially when subjected to long races
- An oil regulating jet located at the inlet fitting can be drilled to suit individual oil flow requirements
- -4AN male fitting on each cover allows convenient plumbing of oil supply lines
- One-piece billet rail with machined gasket recess and bosses holds gasket captive when installing and eliminates leaks
- Mounting hardware included

PART # DESCRIPTION

68329* Valve Covers, Fabricated Aluminum, With Valve Spring Oilers, Billet Rail.

Use Fel-Pro Gasket No. 1644 or Moroso Part No. 93021

PART # REPLACEMENT PARTS

97035 Nuts, 12 Pt.





ALL SPRINT CAR STYLE, BILLET ALUMINUM

Fits: SBC, 13 To 23 ° Cylinder Heads

- Fits Small Block Chevy with 13 to 23 Degree cylinder heads with the valves in the conventional location
- Each valve cover is CNC machined from a billet aluminum bar
- The end result is that each valve cover weighs 1.69 lbs without sacrificing strength
- Airtight sealing allows the engine to pull greater vacuum for improved ring seal and power
- · Black anodized finish
- Designed for Sprint Cars but works in other applications that require strong lightweight valve covers

PART # DESCRIPTION

68050* Valve Covers, Billet Aluminum, SBC Fits 13 To 23 Deg. Cylinder Heads, Billet,

Black Anodized Finish

PART # REPLACEMENT PARTS

93020 Or 93021 Perm Align V/C Gasket





^{*}Not legal for sale or use on pollution-controlled vehicles.

FABRICATED ALUMINUM. BILLET RAIL

Fits: SBC center bolt cylinder heads 4" Tall

- Fabricated entirely from superior quality aluminum, ultra-lightweight
- Tall enough to clear all popular rocker combinations
- Mounting is through tubes welded directly to the valve covers to help maintain gasket-rail flatness and to prevent leaks
- One-piece billet aluminum rail is CNC machined to ensure a precision flat surface for superior sealing
- · Mounting fasteners included
- Use OEM or aftermarket gaskets

PAKI#	DESCRIPTION
68025*	Valve Covers, Fabricated Aluminum, Logo
68028*	Valve Covers, Fabricated Aluminum, No Logo
68026*	Valve Covers, Fabricated Aluminum, Logo, two breather tubes welded

to driver side cover with Filtered Breather

PART # ACCESSORIES
68771 PCV Grommet, .095"

68771 PCV Grommet, .095"
68773 PCV Grommet/Baffle, .095"
68776 Breather Grommet/Baffle, .095"
97341 Filler Cap Breather Grommet, .095"



97345 .62 " x .19", Washers, Aluminum with Neoprene Seal





No. 68028



No. 68026

FABRICATED ALUMINUM. BILLET RAIL

For F, B, & Y Body

Fits: SBC center bolt cylinder heads 2.5" Tall

- Fits Camaro/Firebird '93-'97, Caprice/Impala SS '94-'96 and Corvette '92-'96
- Valve covers are notched to clear factory alternators and brackets
- One-piece billet aluminum rail is CNC machined to ensure a precision flat surface for superior sealing
- Airtight sealing allows the engine to pull greater vacuum for improved ring seal and power
- Use OEM or aftermarket gaskets
- Features oil fill hole with billet aluminum cap, port for PCV
- · Mounting hardware included

PART # DESCRIPTION

68027* Valve Covers, GM Center bolt Aluminum for F, B & Y Body

PART # REPLACEMENT PARTS

97345 .62 " x .19", Washers, Aluminum with Neoprene Seal



No. 68027

VALVE COVERS

GM LTI/LT4/L86 BILLET ALUMINUM. VALVE COVERS WITHOUT COIL MOUNTS

Fits: GM LTI/LT4/L86 6.2L cylinder heads

- 1-½" tall to clear most engine accessories and aftermarket valve train assemblies
- Valve covers are designed for the coils to be mounted remotely
- Each valve cover is CNC machined from a solid billet aluminum bar
- Cylinder head mounting area has an o-ring groove that accepts GM#12619787 Valve Cover O-Ring Gasket



No. 68480

- Even though these valve covers are light in weight, they are thick enough for the engine builder to be able to add fittings at the top and ends
- The covers can be polished, chromed, powder coated or left as-is for a race look

PART # DESCRIPTION

68480* Valve Covers, Billet Aluminum, GM LTI/LT4/L86 without coil mounts

GM LS SERIES. ALL BILLET ALUMINUM VALVE COVERS

Fits: GM LS Series Stock and Aftermarket Cylinder Heads

- Each valve cover is CNC machined from a solid billet aluminum bar
- Available in 4 different versions
 - 2.5" tall to clear most aftermarket valvetrains without coil mounts
 - 2.5" tall to clear most aftermarket valvetrains with integral coil pack mounts that accept LS2, LS3, LS7 & L98 style coils
 - 1.5" tall to clear most engine accessories without coil mounts
 - 1.5" tall to clear most engine accessories with integral coil pack mounts that accept LS2, LS3, LS7 & L98 style coils
- Cylinder head mounting area has an O-Ring groove that accepts Moroso No. 93025 or GM Gasket
- One cover features a oil fill with a CNC machined cap with 0-ring
- Even though these valve covers are light in weight, they are thick enough for the engine builder to be able to add fittings at the top and ends
- The covers can be polished, chromed, powder coated or left as-is for a race look



No. 68471



No. 68472

PART # DESCRIPTION

68470* Valve Covers, Billet Alum., GM LS Series, 2.5" tall with coil mounts
68471* Valve Covers, Billet Alum., GM LS Series, 2.5" tall w.o. coil mounts

 $\textbf{68472*} \hspace{0.5cm} \textbf{Valve Covers, Billet Alum., GM LS Series, 1.5" tall with coil mounts} \\$

 $\textbf{68473*} \hspace{0.5cm} \text{Valve Covers, Billet Alum., GM LS Series, } 1.5" \hspace{0.1cm} \text{tall w.o. coil mounts}$

PART # ACCESSORIES

93025 Valve Cover Gasket, GM LS Series www





No. 73845-73846



^{*}Not legal for sale or use on pollution-controlled vehicles.

GM/LS SERIES

MOROSO ULTRA 40 IGNITION WIRE SETS FOR MOROSO GM LS SERIES BILLET ALUMINUM VALVE COVERS

You have the Moroso all billet aluminum GM LS valve covers, why use any other spark plug wire than the Moroso Ultra 40 Sleeved sets that were designed to be used with these valve covers?

- Part No. 73845 is for the Moroso Part Nos. 68471 and 68473 All Billet Aluminum Valve Covers that use the Moroso Part Nos. 72397 & 72398 Coil Mount Brackets
- Part No. 73846 is for the Moroso Part Nos. 68470 and 68472 All Billet Aluminum Valve Covers that have the integral coil pack mounts that accept LS2, LS3, LS7, & L98 style coils
- Wire Sets are constructed out of Moroso ULTRA 40, 7 mm Dia. Ignition Wire with 40 ohms of resistance per foot
- The black wire sets are sleeved which extends spark plug life and protects against exhaust header heat, chaffing and contaminants
- Sleeving also adds extra dielectric strength which is wire's ability to not to be affected by outside electrical pulses
- Each wire is terminated with heavy duty, high temperature, easy-pull/positive engagement spark plug boots and on the other end with matching coil boots
- · Complete, ready to install



No. 73845-73846



PART # DESCRIPTION

73845 Wire Set, Ultra 40, Sleeved in Black, for Moroso Part Nos. 68471 and 68473 Wire Set, Ultra 40, Sleeved in Black, for Moroso Part Nos. 68470 and 68472

COIL MOUNT BRACKET KIT. GM LS SERIES FOR MOROSO 68471/68473 VALVE COVERS

 These Coil Brackets can used to relocate LS Coils between the top of the valve cover and the intake

 Designed to be used with Moroso valve covers but can be drilled to be used with other valve covers or to remote mount coils in a different location

 Two versions available; One for LS1/LS6 Coils & the Second for LS2, LS3, LS7, L92, L99 Coils

 When used with Moroso valve covers, the valve cover can be removed and installed without disturbing the coils or brackets

 Kit includes black anodized aluminum brackets and metric hardware, one kit does one LS engine

No. 72398 PART # DESCRIPTION

Coil Mount Bracket, GM LS Series for 68471/68473, LS1, LS6 Coils 72397 Coil Mount Bracket, GM LS Series for 68471/68473, LS2, LS3, LS7, L92, L99 Coils 72398







No. 72397

No. 72398

^{*}Not legal for sale or use on pollution-controlled vehicles.

CHEVROLET BIG BLOCK

CHROME PLATED STEEL

Tall Design, Without & With Baffle

Fits: BBC 3.5" Tall

 Includes two breather/filler cap grommets and one baffled and one non-baffled PCV grommet



68112* Valve Covers, Stamped Steel, Chrome Plated, Tall Design without Baffle 68113* Valve Covers, Stamped Steel, Chrome Plated, Tall Design with built-in Baffle

PART # ACCESSORIES 68770 PCV Grommet

68772 PCV Grommet with Baffle 93040 Perm Align V/C Gasket 97340 Breather/Filler Cap Grommets

NOTE: No. 68113 will not clear stud girdles or shaft rocker arm assemblies.





CAST ALUMINUM

Fits: BBC 3.5" Tall

- Includes two breather/filler cap grommets and one baffled and one non-baffled PCV grommet
- · Mounting fasteners included



No. 68425

PART #	DESCRIPTION
68425*	Valve Covers, Die-Cast Aluminum Polished Finish
	without Moroso logo, Tall Design
68429*	Valve Covers, Cast Aluminum, Big Block Chevy
	black wrinkle finish
PART #	ACCESSORIES
68771	PCV Grommet, .095"
68773	PCV Grommet/Baffle, .095"
68776	Breather Grommet/Baffle, .095"
68562	Valve Cover, Acorn Nuts for BBC
93040	Perm Align V/C Gasket
97341	Filler Cap Breather Grommet, .095"
PART #	REPLACEMENT PARTS
68770	PCV Grommet
68772	PCV Grommet with Baffle
97340	Breather/Filler Cap Grommets



CAST ALUMINUM VALVE COVERS - FIBER DESIGN

Fits: BBC 3.5" Tall

- Extra tall design clears most stud girdles and rocker combinations
- Includes one baffled and one non-baffled PVC grommets
- Sold in pairs, includes all mounting hardware

PART # DESCRIPTION

68426* Cast Aluminum Valve Covers, Gray/Black Fiber Design

PART # ACCESSORIES

68562 Valve Covers, Acorn Nuts for BBC

93040 Perm Align V/C Gasket



CAST ALUMINUM RIBBED VALVE COVERS

Fits: BBC 3.5" Tall

- Constructed out of cast aluminum with a MOROSO Logo.
- Includes two breather/filler cap grommets and one baffled and one non-baffled PCV grommet
- · Includes mounting hardware

PART # DESCRIPTION 68420* Valve Covers, Ribbed, Cast Aluminum, Big Block Chevy with a polished finish Valve Covers, Ribbed, Cast Aluminum, Big Block Chevy 68432* with a black powder coat finish PART # **ACCESSORIES** PCV Grommet, .095" 68771 68773 PCV Grommet/Baffle, .095" Breather Grommet/Baffle. .095" 68776 Valve Cover, Acorn Nuts for BBC 68562 93040 Perm Align V/C Gasket Filler Cap Breather Grommet, .095" 97341

REPLACEMENT PARTS PART #

68770 **PCV Grommet**

PCV Grommet with Baffle 68772 97340 Breather/Filler Cap Grommets





FABRICATED ALUMINUM. RIGID RAIL

Fits: BBC cylinder heads including Bowtie heads Part No. 10051128 3.385" Tall

- Fabricated entirely from superior quality aluminum, ultra-lightweight
- Tall enough to clear all rocker combinations
- Fasteners are included with each set and mount through tubes welded directly to the valve covers to help maintain gasket-rail flatness and to prevent leaks

PART# **DESCRIPTION**

68333* Valve Covers, Fabricated Aluminum, 3.5" Tall, Rigid Rail,

Weight: 3.5 lbs. each



PART# **ACCESSORIES** 68771 PCV Grommet. .095" 68773 PCV Grommet/Baffle, .095" Breather Grommet/Baffle, .095" 68776 93040 Perm Align V/C Gasket Filler Cap Breather Grommet. .095" 97341 **REPLACEMENT PARTS** PART # 97345

.62" x .19", Washers, Aluminum with

Neoprene Seal

*Not legal for sale or use on pollution-controlled vehicles.



CHEVROLET BIG BLOCK

FABRICATED ALUMINUM. BILLET RAIL

Fits: BBC & aftermarket cylinder heads with stock BBC bolt pattern, clears Jesel, T&D Rocker Shaft Assemblies

- 3" Tall, clears Jesel style rockers & allows for greater hood clearance
- 3/8" billet rail CNC machined
- Steel inserts pressed into all mounting holes to eliminate galling after removal and installation
- · CNC machined after welding to ensure airtight sealing
- Mating of billet rail to valve cover is done with a smooth transition on exhaust side to eliminate trapped oil
- Notched at each mounting location with socket-sized clearances for quick removal and installation
- · Will not clear stud girdles

	3
PART #	DESCRIPTION
68345*	Valve Covers, Fabricated Aluminum, 3" Tall,
	Logo
68353*	Valve Covers, Fabricated Aluminum, 3" Tall,
	No Logo
68356*	Valve Covers, Fabricated Aluminum
	Installed with Part No. 22635 -12AN Pos
	Seal Fitting (included)
PART #	ACCESSORIES
68771	PCV Grommet, .095"
68773	PCV Grommet/Baffle, .095"
68776	Breather Grommet/Baffle, .095"
68831	Stud Kit, V/C, Bullet Nose, 12 Pt. Nut
93040	Perm Align V/C Gasket
97341	Filler Cap Breather Grommet, .095"



No. 68345



No. 68353



No. 68356

FABRICATED ALUMINUM. MARINE. DIRT LATE MODEL

Fits: BBC, symmetrical-port Bowtie cylinder heads and Stock BBC heads, clears Jesel, T&D Rocker Shaft Assembly

- 3.5" Tall, clears Jesel style rockers & allows for greater hood clearance
- 3/8" billet rail CNC machined
- Steel inserts pressed into all mounting holes to eliminate galling after removal and installation
- CNC machined after welding to ensure airtight sealing
- Mating of billet rail to valve cover is done with a smooth transition on exhaust side to eliminate trapped oil
- Notched at each mounting location with socket-sized clearances for quick removal and installation
- · Will not clear stud girdles

PART #	DESCRIPTION
68350*	Valve Covers, Fabricated Aluminum, Billet Rail, swept back
	design engineeered to clear most marine wet mainfolds,
	Dirt Lata Chaggia

Dirt Late Chassis



No. 68350

PART #	ACCESSORIES
68771	PCV Grommet, .095"
68773	PCV Grommet/Baffle, .095"
68776	Breather Grommet/Baffle, .095"
68831	Stud Kit, V/C, Bullet Nose, 12 Pt. Nut
93040	Perm Align V/C Gasket
97341	Filler Cap Breather Grommet, .095"

^{*}Not legal for sale or use on pollution-controlled vehicles.

VALVE COVERS

FABRICATED ALUMINUM. BILLET RAIL

Fits: Big Block GM and Aftermarket Cylinder Heads with stock GM bolt pattern. Clears Jesel and T&D Rocker Shaft Assemblies

- Fabricated entirely from superior quality aluminum, ultra lightweight
- One-piece billet rail is CNC machined to ensure a precision flat surface for superior sealing
- Mating of the billet rail to the valve cover is done with a smooth transition, eliminating trapped oil and spills when removing the cover

3" TALL, FOR GREATER HOOD CLEARANCE

PART # DESCRIPTION

68457* Valve Covers, Fabricated Aluminum, pockets on both exhaust and intake sides, Logo

68479* Valve Covers, Fabricated Aluminum, pockets on both exhaust and intake sides, No Logo

68458* Valve Covers, Fabricated Aluminum, tubes on intake side and pockets on exhaust side, Logo

68481* Valve Covers, Fabricated Aluminum, tubes on intake side and pockets on exhaust side, No Logo

3.875" TALL

PART # DESCRIPTION

68459* Valve Covers, Fabricated Aluminum, pockets on both exhaust and intake side, Logo

68482* Valve Covers, Fabricated Aluminum, pockets on both exhaust and intake side, No Logo

68460* Valve Covers, Fabricated Aluminum, tubes on intake side and pockets on exhaust side, Logo

68486* Valve Covers, Fabricated Aluminum, tubes on intake side and pockets on exhaust side, No Logo

PART # ACCESSORIES

68771 PCV Grommet, .095" 68773 PCV Grommet/Baffle, .095" 68776 Breather Grommet/Baffle, .095" 68831 Stud Kit, V/C, Bullet Nose, 12 Pt. Nut

93040 Perm Align V/C Gasket

97035 Nuts, 12 Pt

97341 Filler Cap Breather Grommet, .095"



No. 68459





No. 68457



No. 68479



No. 68458



No. 68481



No. 68482



No. 68486

^{*}Not legal for sale or use on pollution-controlled vehicles.

CHEVROLET BIG BLOCK

ALL BILLET ALUMINUM

Fits: BBC, symmetrical-port Bowtie cylinder heads and Stock BBC heads, clears Jesel, T&D Rocker Shaft Assembly 3" Tall

- Each valve cover is CNC machined from a solid billet aluminum bar
- The end result is that each valve cover weighs 3.9 lbs with out sacrificing strength
- Airtight sealing allows the engine to pull greater vacuum for improved ring seal and power
- 3" Tall, clears Jesel style rockers & allows for greater hood clearance
- Designed with a broad, flat surface for engine builder engraving, the covers can be polished, chromed, powder coated or left as-is for a race look

PART # DESCRIPTION

68469* Valve Covers, , BBC Fits symmetrical-port Bowtie and Stock BBC heads



No. 68469

PART # ACCESSORIES

68831 Stud Kit, V/C, Bullet Nose, 12 Pt. Nut

93040 Perm Align V/C Gasket

AFTERMARKET HEADS

FABRICATED ALUMINUM, BILLET RAIL

Fits: Dart Big Chief II, 11 Degree and 14 Degree Style Cylinder Heads 3" Tall

- Fabricated entirely from superior quality aluminum, ultra lightweight
- One-piece billet rail is CNC machined to ensure a precision, flat surface for superior sealing
- Airtight sealing allows the engine to pull greater vacuum for improved ring seal and power

PART # DESCRIPTION PART # ACCESSORIES

68463* Valve Covers, Fabricated Aluminum, *Dart Big Chief II, 11 Degree and 14 Degree Style Cylinder Heads* 68831 Stud Kit, V/C, Bullet Nose, 12 Pt. Nut Perm Align V/C Gasket

FABRICATED ALUMINUM.BILLET RAIL

Fits: BBC with Brodix PB2005, Brodix PB1200, Brodix 1202 and Sonny 14.5 cylinder heads 3" Tall

- Fabricated entirely from superior quality aluminum, ultra-lightweight
- One-piece billet rail is CNC machined to ensure a precision flat surface for superior sealing
- Airtight sealing allows the engine to pull greater vacuum for improved ring seal and power

PART # DESCRIPTION

68455* Valve Covers, Fabricated Aluminum, Billet Rail



No. 68455

No. 68463

PART # ACCESSORIES

68831 Stud Kit, V/C, Bullet Nose, 12 Pt. Nut

FABRICATED ALUMINUM.BILLET RAIL

Fits: BBC with Dart Big Chief and Brodix Big Duke Style cylinder heads.

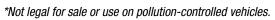
Does not fit Dart Big Chief II, 11 Deg. cylinder heads. Clears Jesel and
T&D Rocker Shaft assemblies

3" Tall

- Fabricated entirely from superior quality aluminum, ultra-lightweight
- One-piece billet rail is CNC machined to ensure a precision flat surface for superior sealing
- Airtight sealing allows the engine to pull greater vacuum for improved ring seal and power

PART # DESCRIPTION

68456* Valve Covers, Fabricated Aluminum, pockets on intake and exhaust side





No. 68456

PART # ACCESSORIES 68831 Stud Kit. V/C. Bi

68831 Stud Kit, V/C, Bullet Nose, 12 Pt. Nut **93045** Perm Align V/C Gasket

BRODIX SR20/DART PRO1 20 DEG. FAB. ALUM, BILLET RAIL VALVE COVERS

Fits: Brodix SR20/Dart Pro1 20 Deg. Cylinder Heads 3" Tall

- Fabricated entirely from superior quality aluminum, ultra lightweight
- One-piece billet rail is CNC machined to ensure a precision flat surface for superior sealing
- Mating of the billet rail to the valve cover is done with a smooth transition, eliminating trapped oil and spills when removing the cover
- Designed with a broad, flat surface for engine builder engraving, the covers can be polished, chromed, powder coated or left as-is for a race look



- 68483* Valve Cover, Fab. Alum., Billet Rail for Brodix SR20/Dart Pro1 Cylinder Heads, tubes on intake side and pockets on exhaust side
- 68484* Valve Cover, Fab. Alum., Billet Rail for Brodix SR20/Dart Pro1 Cylinder Heads, tapered on exhaust side to clear Dirt Late chassis
- Valve Cover, Fab. Alum., Billet Rail for Brodix SR20/Dart Pro1 Cylinder Heads, 68487* pockets on both intake and ehaust side

PART # **ACCESSORIES**

68831 Stud Kit, V/C Bullet Nose, 12 Pt. Nut



No. 68483



No. 68484





No. 68487

CHRYSLER 273-360

CHROME PLATED STEEL

Fits: S.B. Chrysler, 273, 318, 340, 360 and W2 heads 3.375" Tall

• Includes two breather/filler cap grommets

PART # **DESCRIPTION**

68161* Valve Covers, Stamped Steel, Chrome Plated,

Tall Design with Baffles

ACCESSORIES PART # 93050 Perm Align V/C Gasket PART # **REPLACEMENT PARTS** 97340 Breather/Filler Cap Grommets



FABRICATED ALUMINUM. BILLET RAIL

Fits: S.B. Chrysler, 273, 318, 340, 360 and W2 heads 3.750" Tall

- Fabricated entirely from one-piece superior quality aluminum, ultralightweight
- One-piece billet rail is CNC machined to ensure a precision flat surface for superior sealing
- Airtight sealing allows the engine to pull greater vacuum for improved ring seal and power
- Mating of the billet rail to the valve cover is done with a smooth transition, eliminating trapped oil and spills when removing the cover
- Notched at each mounting location with socket-sized clearances for quick removal and installation
- Tall enough to clear most rocker combinations
- Fasteners Included

PART # DESCRIPTION

68310* Valve Covers, Fabricated Aluminum, Billet Rail,



No. 68310

PAKI#	AUGESSURIES
68771	PCV Grommet, .095"
68773	PCV Grommet/Baffle, .095"
68776	Breather Grommet/Baffle, .095"
93050	Perm Align V/C Gasket
97341	Filler Cap Breather Grommet, .095"
PART #	REPLACEMENT PART
97035	Nuts, 12 Pt.

ACCECCODIEC

^{*}Not legal for sale or use on pollution-controlled vehicles.

CHRYSLER 5.7/6.1/6.4/HEMI

ALL BILLET ALUMINUM

Fits: Chrysler 5.7/6.1/6.4 Hemi 2.05" Tall

• Make your Hemi engine look like it deserves the Hemi name

- Each 4 lb. valve cover is CNC machined from a 34 lb. solid billet aluminum bar
- Fits both early and late 5.7, 6.1 and 6.4 heads
- Must use 2006-up 5.7, 6.1 or 6.4 coil packs
- The end result is a lightweight, strong cover that has a precision flat surface for superior sealing
- Covers are designed to work with stock coil packs, gaskets and fasteners
- · Taller for aftermarket valve train assemblies
- Airtight sealing allows the engine to pull greater vacuum for improved ring seal and power
- Available in two finishes; raw machined billet finish or black anodized finish with machined ribs

PART #	DESCRIPTION
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68467* Valve Covers, Billet Aluminum, Raw Machined Billet Finish
68468* Valve Covers, Billet Aluminum, Anodized Black with machined ribs





CHRYSLER 361 - 440

CHROME PLATED STEEL

Fits: B.B. Chrysler, 361, 383, 400, 413, 426 wedge and 440 3.375" Tall with Baffle

• Includes two breather/filler cap grommets

PART # DESCRIPTION

68181* Valve Covers, Stamped Steel, Chrome Plated,

Tall Design with Baffles

PART # ACCESSORIES
93055 Perm Align V/C Gasket
PART # REPLACEMENT PARTS
97340 Breather/Filler Cap Grommets



No. 68181

MBE HEMI, ALL BILLET ALUMINUM

Fits: MBE Hemi With Manton Rockers 5" Tall

- Each 6.8 lb valve cover is CNC machined from a 112 lb Solid Billet Aluminum Bar
- Designed to work with Manton Rockers
- Designed to be used with Large Plug, 8" Long, Spark Plug Tube Manton Part No. RA0255
- Even though these valve covers are light in weight, they are thick enough for the engine builder to be able to add fittings at the top and ends
- The covers can be polished, chromed, powder coated or left as-is for a race look



68490* Valve Covers, Billet Aluminum, BME Hemi w/Manton Rockers



No. 68490

^{*}Not legal for sale or use on pollution-controlled vehicles.

CHROME PLATED STEEL

Fits: Ford 221-302 & 351W

3.5" Tall

 Includes two breather/filler cap grommets and one non-baffled PCV grommet

PART # DESCRIPTION

68201* Valve Covers, Stamped Steel, Chrome Plated, Tall Design Baffles

under openings

68202* Stamped Steel Valve Covers, Chrome Plated, Tall Design without

Baffles

PART # ACCESSORIES 93060 Perm Align V/C Gasket



CHROME PLATED STEEL

Fits: Ford 260-302 & 351W

3.5" Tall

 Includes two breather/filler cap grommets and one non-baffled PCV grommet

PART # DESCRIPTION

68210* Valve Covers, Stamped Steel, Chrome Plated,

Tall Design, without logo, with Baffles

PART # REPLACEMENT PARTS FOR Nos. 68201, 68202, 68210

68770 PCV Grommet

97340 Breather/Filler Cap Grommets



No. 68210

PART # ACCESSORIES
93060 Perm Align V/C Gasket

POLISHED CAST ALUMINUM

Fits: 260-351W Engines

3.5" Tall

- · Brilliant hand polished finish
- Die-casting process is far more precise and results in a blemishfree surface without porosity
- Extra tall design clears most stud girdles and rocker combinations
- Inside cover is pilot notched, making it easy to cut out openings for a PCV Valve, breather, or oil filler cap; includes grommets

PART # DESCRIPTION

68450* Valve Covers, Die-Cast Aluminum

Ford 221, 260, 289, 302 (5.0L) & 351W



No. 68450

PART # ACCESSORIES
68771 PCV Grommet, .095"
68773 PCV Grommet/Baffle, .095"
68776 Breather Grommet/Baffle, .095"
93060 Perm Align V/C Gasket

97341 Filler Cap Breather Grommet, .095"

POLISHED CAST ALUMINUM

Fits: 260-351W Engines

3.5" Tall

- Tall enough to clear most aftermarket valvetrain assemblies and stud girdles
- · Polished aluminum finish
- 1.22" fill hole included in each cover
- Includes PCV grommet and breather grommet

PART # DESCRIPTION

68444* Valve Covers, Polished Aluminum, SBF



PART # ACCESSORIES 93060 Perm Align V/C Gasket

^{*}Not legal for sale or use on pollution-controlled vehicles.

FORD 221, 260, 289, 302, 351W

FABRICATED ALUMINUM. BILLET RAIL

Fits: Ford 302/351W stock and aftermarket cylinder heads

2.75" Tall to clear most popular rocker combinations including Jesel & T&D Shaft rockers

- Replaces Moroso No. 68325
- Fabricated entirely from superior quality aluminum, ultralightweight
- One piece billet rail is CNC machined to ensure a precision flat surface for superior sealing
- Airtight sealing allows the engine to puller greater vacuum for improved ring seal and power
- Notched at each mounting location with socket-sized clearancesfor quick removal and installation
- Fasteners included

PART # DESCRIPTION

68475* Valve Covers, Fabricated Aluminum, Ford 302/351W with Billet Rail



No. 68475

PART # ACCESSORIES 93060 Perm Align V/C Gasket

ALL BILLET ALUMINUM

Fits: Ford 302/351W stock and aftermarket cylinder heads

2.875" tall to clear most popular rocker combinations including Jesel & T&D Shaft rockers

- Each valve cover is CNC machined from a solid billet aluminum bar
- Precision flat mounting rail surface for airtight sealing allowing the engine to pull greater vacuum for ring seal and power
- Even though these valve covers are light in weight, they are thick enough for the engine builder to be able to add fittings at the top and ends
- The covers can be polished, chromed, powder coated or left as-is for a race look

PART # DESCRIPTION

68474* Valve Covers, Billet Aluminum, Ford 302/351W



No. 68474

PART # ACCESSORIES

68831 Stud Kit, V/C, Bullet Nose, 12 Pt. Nut

93060 Perm Align V/C Gasket

^{*}Not legal for sale or use on pollution-controlled vehicles.

FABRICATED ALUMINUM. BILLET RAIL

Fits: Ford 4.6 & 5.4 Three Valve Engines 3.971" Tall at Cam Cover, 3.674" Tall at the main body

- Fabricated entirely from superior quality aluminum. ultra lightweight
- One piece billet aluminum rail is CNC machined for superior sealing
- Bright aluminum finish matches the Moroso tanks and other under hood accessories or can be polished, chrome plated, etc. for a custom look
- These valve covers are a direct bolt in for 2005 2010 Mustangs and feature a oil fill hole with billet aluminum cap, ports for PCV and vent lines
- · Features stand offs for factory wiring, coil mounting, and provisions for factory cam timing solenoids
- Airtight sealing allows the engine to pull greater vacuum for improved ring seal and power
- 3/8" billet rail with machined to accept OEM gasket
- · Includes mounting hardware, PCV and fitting

PART # DESCRIPTION

68388* Valve Covers, Fabricated Aluminum, Ford 4.6 & 5.4, Three Valve



No. 68388



FABRICATED ALUMINUM. BILLET RAIL

Fits: Ford 4.6/5.4L 11 Bolt cylinder heads 4.225" Tall at Cam Cover, 3.110" Tall main body

- Fabricated entirely from superior quality aluminum, ultra-lightweight
- One piece billet rail is CNC machined to ensure a precision flat surface for superior sealing
- . Mating of the billet rail to the valve cover is done with a smooth transition, eliminating trapped oil and spills when removing the cover
- Tall enough to clear most popular rocker combinations
- Fasteners included
- · Comes with knurled billet oil filler cap and uses stock style gaskets

DESCRIPTION

PART#

68389* Valve Covers, Fabricated Aluminum, SBF Modular

PART # **ACCESSORIES** PCV Grommet, .095" 68771 68773 PCV Grommet/Baffle, .095" 68776 Breather Grommet/Baffle, .095" 97341 Filler Cap Breather Grommet, .095"



FORD FE

FABRICATED ALUMINUM. BILLET RAIL

Fits: Ford FE 3.5" Tall

- Fabricated entirely from superior quality aluminum, ultra-lightweight
- One-piece billet rail is CNC machined to ensure a precision flat surface for superior sealing
- Airtight sealing allows the engine to pull greater vacuum for improved ring seal and power

PART # DESCRIPTION

68461* Valve Covers, Fabricated Aluminum, Billet Rail, 3.5' Tall



No. 68461

PART # ACCESSORIES
68771 PCV Grommet, .095"
68773 PCV Grommet/Baffle, .095"
68776 Breather Grommet/Baffle, .095"
97341 Filler Cap Breather Grommet, .095"

FORD 429-460

FABRICATED ALUMINUM. BILLET RAIL

Fits: Ford 429-460

PART # **DESCRIPTION** 68348* Valve Covers, Fabricated Aluminum, Billet Rail, 2.5" Tall 68349* Valve Covers, Fabricated Aluminum, Billet Rail, 3.5" Tall **ACCESSORIES** PART # 68771 PCV Grommet, .095" 68773 PCV Grommet/Baffle, .095" 68776 Breather Grommet/Baffle, .095" 93065 Perm Align V/C Gasket 97341 Filler Cap Breather Grommet, .095"



PONTIAC V8

CHROME PLATED STEEL

Fits: Pontiac 301-455 3.5" Tall Design with Baffle

 Includes two breather/filler cap grommets and one baffled and one non-baffled PCV grommet

PART # DESCRIPTION

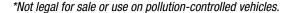
68281* Valve Covers, Stamped Steel, Chrome Plated,

Tall Design with Baffle **REPLACEMENT PARTS**

68770 PCV Grommet

PART #

68772 PCV Grommet with Baffle **97340** Breather/Filler Cap Grommets





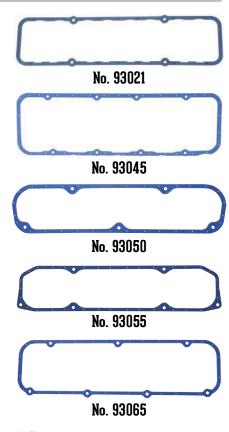
PERM-ALIGN VALVE COVER GASKETS

- Specially designed gaskets are manufactured from 40 durometer silicone, molded over and vulcanized to a rigid steel frame
- The extra-strength design will not leak, blow out or get sucked in like stock or inferior-quality aftermarket gaskets
- Superior quality silicone/steel gaskets outlast cork and rubber composite designs to provide years of dependable service, especially when constantly removing and reinstalling valve covers
- Full 3/16"-thick
- Two per package

PART #	DESCRIPTION
93020	Perm-Align Valve Cover Gasket
	Fits: SBC, Moroso Valve Covers and others of similar design
93021	Perm-Align Valve Cover Gasket
	Fits: 18,16,15,13.5 & 12° Dart, Brodix, Edelbrock and All Pro
	cylinder heads
93040	Perm-Align Valve Cover Gasket
	Fits: BBC, Moroso Valve Covers and others of similar design
93045	Perm-Align Valve Cover Gasket
	Fits: Big Chief (does not fit Dart Big Chief II, 11° Cylinder heads
93050	Perm-Align Valve Cover Gasket. Fits: SB Chrysler
93055	Perm-Align Valve Cover Gasket. Fits: BB Chrysler
93060	Perm-Align Valve Cover Gasket. Fits: Ford 221, 260, 289, 302 and
	351W, Moroso Valve Covers and others of similar design

NOTE: Modifications required for Moroso Valve Cover **Nos. 68329** and **68417**

Perm-Align Valve Cover Gasket. Fits: BB Ford



VALVE COVER GASKETS, GM LS SERIES

Fits: Both Moroso GM LS Series and O.E.M. Valve Covers

- Manufactured out of heavy duty molded rubber
- · Quality design and manufacturing meets or exceeds O.E.M. quality
- Two per package

PART # DESCRIPTION

93025 Valve Cover Gasket, GM LS Series



VALVE COVER HOLD DOWN TABS

Big Block Chevrolet

Fits: BBC

93065

 Set fits one valve cover, includes four 3" tabs and three 4" tabs with 5/16" diameter holes

Valve Cover Hold Down Tabs, Steel, Chrome Plated
 Valve Cover Hold Down Tabs, Steel, Powder Coated-Red
 Valve Cover Hold Down Tabs, Steel, Powder Coated-Blue



No. 68516

VALVE COVER HOLD DOWN TABS

Small Block & 90° V6 Chevrolet Fits: SBC and 90° V6 Chevy

- Specifically designed to spread the fastener load over a larger area of the valve cover flange to eliminate flange distortion and subsequent oil leakage
- · Available in chrome plated steel, black, red and blue powder coated steel

PART # DESCRIPTION

68501 Valve Cover Hold Down Tabs, Steel, Powder Coated-Black with Clear Lacquer

Valve Cover Hold Down Tabs, Steel, Powder Coated-Red
 Valve Cover Hold Down Tabs, Steel, Powder Coated-Blue
 Valve Cover Hold Down Tabs, Steel, Chrome Plated



Other Colors Available:





VALVE COVER ACORN NUTS

Fits: SBC or any valve cover using 1/4"-20 hold downs

- Add a decorative touch to engines in cases where long valve cover wing nuts are impractical
- Set includes eight 1-\%" high nuts and \(\frac{1}{4}\)"-20 x 1-\%\" studs

DESCRIPTION

68561 Valve Cover Acorn Nuts for SBC, Chrome

68562 Valve Cover, Acorn Nuts for BBC PART # REPLACEMENT PARTS

97030 Studs 1/4"-20 x 1-3/8"



VALVE COVER STUD KIT

Fits: SBC or any valve cover using 1/4"-20 hold downs

- These studs were developed primarily for the oval track racer using Moroso Small Block Chevy cast aluminum valve covers where a leaking valve cover caused by a fastener shaking loose from vibration could mean disaster
- Set consists of eight 1/4"-20 x 1-3/4" slotted head stude and eight 1/4"-20 nvlon insert lock nuts with washers

PART # DESCRIPTION 68820 Valve Cover Stud Kit PART # **REPLACEMENT PARTS**

8 Studs 1/4"-20 x 1-3/4", Slotted Head 97020



No. 68820

EXTRA LONG VALVE COVER WING NUTS

- Available in chrome plated steel or powder coated aluminum colors including red, blue, black and clear
- Includes matching studs to eliminate gasket alignment problems and to speed up installation
- Four per pack
- Extra Long Valve Cover Wing Nuts will clear 4-1/2" tall valve cover

DESCRIPTION PART

68603 Extra Long Valve Cover Wing Nuts, 1/4"-20 with 1-1/8" long studs. Aluminum, Powder Coated-Black

Extra Long Valve Cover Wing Nuts, 1/4"-20 with 1-1/8" long studs. 68604

Aluminum, Powder Coated-Blue 68605 Extra Long Valve Cover Wing Nuts, 1/4"-20 with 1-3/8" long studs.

Aluminum, Powder Coated-Red

68610 Extra Long Valve Cover Wing Nuts, 1/4"-20 with 1-%" long studs. Steel, Chrome Plated

68621 Extra Long Valve Cover Wing Nuts, 5/16"-18 with 1-3/8" long studs.

Aluminum, Powder Coated-Black to fit Pontiac 301-455 and Ford 332-428 FE Series and others

68630 Extra Long Valve Cover Wing Nuts, 5/16"-18 with 1-3/8" long studs.

Steel, Chrome Plated to fit Pontiac 301-455 and Ford 332-428 FE Series and others

68640 Long Valve Cover Wing Nuts, 1/4"-20 with 1-3/8" long studs.

Steel, Chrome Plated for stock height valve covers PART# REPLACEMENT PARTS

97020 Studs, 1/4"-20 x 1-3/4", 8 per package 97030 Studs, 1/4"-20 x 1-3/8", 8 per package

NOTE: Wing nut studs 1-3/4" long are packaged with our tall Small Block Chevy die-cast aluminum valve covers to allow for the thicker gasket flange on these covers.



Other Colors Available:









VALVE COVER HOLD DOWN TABS

Fits: Chrysler 273-360

• Set fits one valve cover, includes three 4" tabs

• Use 1/4" washer face nuts for the two end holes

PART # DESCRIPTION

68512 Valve Cover Hold Down Tabs, Steel, Chrome Plated



No. 68512

VALVE COVER HOLD DOWN TABS

Fits: Ford 221, 260, 289, 302, 351W

- Set fits one valve cover, includes three 3" tabs for the shallow recessed bolt holes and one 4" tab for the deep recessed bolt hole
- Use 1/4" washer face bolts for the two end holes

PART # DESCRIPTION

68519 Valve Cover Hold Down Tabs, Steel, Chrome Plated



VALVE COVER HOLD DOWN TABS

Fits: Pontiac 301-455

• Set fits one valve cover, includes four 5" tabs with \%" diameter holes

PART # DESCRIPTION

68530 Valve Cover Hold Down Tabs, Steel, Chrome Plated

No. 68530



VALVE COVER HEX HEAD NUTS

- Use when space is critical or if the valve cover nuts must be snugged down tighter than wing-nut-finger-tight
- Four per package with 1/4"-20 x 1-3/8" studs included
- Install and remove with half inch socket wrench with extension or a speed handle

PART # DESCRIPTION

68550 Valve Cover Hex Head Nuts, 1/2" hex head, 3-1/8" long, Chrome Plated Steel

PART # **REPLACEMENT PARTS** 97030 Studs 1/4"-20 x 1-3/8"

No. 68550



BULLET NOSE VALVE COVER STUD KIT

- Bullet nose tip makes it easy to start mounting nuts
- Prevents Small Block Chevy, Big Block Chevy & Small Block Chrysler cast aluminum valve covers from vibrating loose in competition
- Includes eight 1/4"-20 x 1-1/2" heat-treated studs, nylon-insert lock nuts and washers

DESCRIPTION PART #

68830 **Bullet Nose Valve Cover Stud Kit**

68831 Bullet Nose Valve Cover Stud Kit, 12 pt. nut

PART# REPLACEMENT PARTS

97035 Nuts, 12pt.

Studs, 1/4-20 & 28 Bullet Nose 97040

NOTE: Will not work with Stamped Aluminum Valve Covers





No. 68831

ONE PIECE PUSH-IN VALVE COVER BREATHERS

Fits: Moroso or any valve cover with 1.22" hole

 Designed to drain oil trapped in the foam back into the valve cover rather than allow it to drain out the air vents

• Two per package except No. 68741

PART # DESCRIPTION

68718*

68717* One Piece Push-In Valve Cover Breathers, Aluminum, Powder Coated-Blue,

One Piece Push-In Valve Cover Breathers,

Aluminum, Powder Coated-Red

 $\textbf{68719}^{\star} \quad \text{ One Piece Push-In Valve Cover Breathers},$

Aluminum, Powder Coated-Black

68740* One Piece Push-In Valve Cover Breathers,

Steel, Chrome Plated

68741* One Piece Push-In Valve Cover Breathers,

Steel, Chrome Plated, for street cars that require a PCV set-up. Contains one breather with valve cover

grommet and one PCV valve grommet

PART # REPLACEMENT PARTS

97340 Breather/Filler Cap Grommets





BREATHER/OIL SEPARATOR

Push-in

Fits: All valve covers with 1.22" holes; includes rubber grommet

- No. 68781 is ideal for plumbing your crankcase ventilation system into the air cleaner, while No. 68780 is a direct breather replacement for No. 25900 Crankcase Evacuation System
- Uses internal foam disc and baffling to prevent oil from entering air cleaner
 No. 68781

PART # DESCRIPTION

68780* Replacement Breather/Oil Separator, for No. 25900 Crankcase

Evacuation System, %" Hose, Gold Iridite

68781* Replacement Breather/Oil Separator, ¾" Hose, Chrome

(for street use only)

PART # REPLACEMENT PARTS
97340 Breather/Filler Cap Grommets





No. 68780

No. 68781



POSITIVE LOCKING BREATHER

Stamped Style

Fits: All valve covers with 1.22" holes

- Meets rule requirement for cars running 7.99 E.T. and quicker
- Threaded tube with collar mounts from inside valve cover through 1.22" opening; breather screws into the tube for secure attachment
- Viton gasket resists oil, alcohol and race fuel to form airtight seal
- Jam nuts allow breather to be positioned to suit plumbing requirements
- Internal stainless steel baffling keeps oil/air separated
- · Clear finish resists rust
- Includes all mounting hardware; one per pack

PART # DESCRIPTION

68785* Positive Locking Breather, with Tube for ¾" hose



CRANKCASE EVACUATION SYSTEM

- Reduces crankcase pressure throughout entire rpm range for increased piston ring seal, reduced intake charge contamination, and fewer oil leaks
- Track and dyno tests prove increases in engine performance
- Includes 2 each: Oil Separators/Breathers, Breather/Filler Cap Grommets, One-Way Check Valve and Weld-In Nipple for header collector, use with 5%" dia. hose

PART # DESCRIPTION

25900* Crankcase Evacuation System

ACCESSORIES 68788 Breather

PART # REPLACEMENT PARTS 68780 Oil Separator/Breathers

97800 Check Valve for Header Collector 97810 Weld-in Nipple for Header Collector

*NOTE: Cannot be be used on cars with mufflers



No. 25900

POSITIVE LOCKING BREATHER

Billet Aluminum

Fits: All valve covers with 1.25" holes

- Manufactured from 6061 Billet Aluminum
- · Screws to valve cover for positive fit, does not push on
- Designed in two pieces with a top that unscrews to allow for oil filling and easier cleaning or replacement of oil separator filter
- · Slip-on fitting for pan evac system
- 0-ring Seal no gaskets (reduces leakage)
- Meets rule requirement for cars running 7.99 E.T. and guicker

PART # DESCRIPTION

68788* Positive Locking Billet Aluminum Filtered Breather

PART # AVAILABLE OPTIONS 22706 ½" NPT to -10AN Fitting 22708 ½" NPT to -12AN Fitting



No. 68788

^{*}Not legal for sale or use on pollution-controlled vehicles.

CLAMP ON BREATHER

- Clamps onto a 1" outside diameter tube
- Fits Moroso Billet Aluminum Vacuum Relief Valves

Nos. 22633, 22636 and 22637

- Provides maximum protection against dirt and airborne debris without restricting air flow
- · Clamp included
- · Cleanable and re-usable: oil before use

PART # DESCRIPTION

68791* Clamp On Breather, 1" I.D.



110. 0010

WELD-IN FILTERED BREATHER KIT

- Kit contains two aluminum 1-%" 0.D. breather tubes with internal baffling, two half-hooded filtered breathers, and two stainless hose clamps
- Designed to be welded to Moroso valve covers and can be adapted to other aluminum covers

PART # DESCRIPTION

68800* Weld-In Filtered Breather Kit
PART # REPLACEMENT PARTS

68811* Filtered Breathers, with protective half-hood **68812*** Filtered Breathers for early **No. 68800** with 1-½"

tube, half hood







No. 68800

PUSH-IN FILTERED BREATHER KIT

- Kit allows engine builder to install filtered breathers on Moroso steel or aluminum valve covers (or other covers with 1.22" holes) without welding
- Consists of two filtered breathers with clamps, two chrome plated adapter tubes and two valve cover grommets
- Filters must be oiled before use

PART # DESCRIPTION

68810* Push-In Filtered Breather Kit
PART # REPLACEMENT PARTS
68816* Filtered Breathers Non-Hooded
68812* Filtered Breathers Half-Hooded





No. 68810

^{*}Not legal for sale or use on pollution-controlled vehicles.

VALVE COVER FILTERED BREATHERS

- Available in half-hooded or non-hooded
- Provides maximum protection against dirt and airborne debris without restricting air flow
- Also available with completely exposed filter element and chrome plated top
- Available in two types; Push-In or Clamp-On (for existing stacks; includes clamp)
- Cleanable and re-usable; oil before use
- · One per pack

PART # DESCRIPTION

68811* Valve Cover Filtered Breather, half-hood, clamp-on type. For Moroso Covers with welded-in stacks, 1-%" I.D.

68812* Valve Cover Filtered Breather, half-hood, clamp-on type. For Moroso Covers with welded-in stacks, 1-½" I.D.

68813* Valve Cover Filtered Breather, half-hood,

push-In type.

For Moroso Covers with 1.22" punched holes

68815* Valve Cover Filtered Breather, non-hooded style,

clamp-on type. For Moroso Covers with welded-in stacks, 1-%" I.D.

68816* Valve Cover Filtered Breather, non-hooded style,

68817* Valve Cover Filtered Breather, non-hooded style, push-in type. For Moroso Covers with 1.22" punched holes

68818* Filtered Breather, non-hooded style, clamp-on type.

For Moroso Breather Tanks, 2" O.D.







No. 68815



No. 68811



No. 68813

BREATHER KIT

For Moroso GM LS Valve Covers or any 1-1/4" -12 Female Threaded Bung/Opening

- Provides an easy way of adding a breather to Moroso LS valve cover with an oil fill bung
- Remove knurled cap on valve cover and screw in the Part No. 68841 Breather Kit
- Features a billet aluminum baffled screw in adapter with a 1" breather
- · Cleanable and re-usable filter

PART # DESCRIPTION

68841* Breather Kit for Moroso GM LS Valve Cover

PART# REPLACEMENT PARTS
68791 Clamp on breather, 1" I.D.



No. 68841

^{*}Not legal for sale or use on pollution-controlled vehicles.

BREATHER KIT

FOR SPRINT CAR ENGINES

- Attaches to the valley pan on a sprint car engine
- Kit includes 1 ¾" dia. tubing with 8 .5" long legs and a black anodized finish
- Includes a billet aluminum clamp with mounting holes
- · Cleanable and re-usable filter

PART # DESCRIPTION

68850* Breather Kit for Sprint Car Engines
BULK PART # REPLACEMENT PARTS

68850-004 Breather



SPRINT CAR BREATHER TUBE KITS

- Sprint Car racers can now mount an aluminum tube-style crossover breather kit to their aluminum valve covers and save some money in the process
- Kit comes with all mounting hardware and aluminum bungs which must be welded to the valve covers

PART # DESCRIPTION

68762* Valve Cover Breather Tube Kit, SBC Sprint Cars

PART # ACCESSORIES

68811* Filtered Breathers, Half Hood **68815*** Filtered Breathers, Non-Hooded

NOTE: Can only be used with aluminum valve covers. Breathers are not included with the kit and must be purchased separately.



No. 68762



Breathers on pg. 303

PCV GROMMETS FOR AFTERMARKET VALVE COVERS

- Designed to work with Fabricated Sheet Metal and Cast Aluminum Valve Covers, without logo, that have a 1.220" diameter hole
- Ideal for street enthusiasts using aftermarket valve covers and a positive crankcase ventilation system
- · Works with all popular GM PCV valves
- · Made from oil-resistant rubber

PART # DESCRIPTION

68770 PCV Grommets, 2 per package

68771 PCV Grommets, 2 per package (Designed for .090 - .100" material thickness)



No. 68770

BREATHER/FILLER CAP GROMMETS

- Designed to work with Fabricated Sheet Metal and Cast Aluminum Valve Covers, without logo, that have a 1.220" diameter hole
- Replacement Valve Cover Grommets for breathers and oil filler caps; two per pack

PART # DESCRIPTION

97340 Breather/Filler Cap Grommets

97341 Breather/Filler Cap Grommets (Designed for .090-.100" material thickness)





No. 97340

^{*}Not legal for sale or use on pollution-controlled vehicles.

VALVE COVERS

BREATHER GROMMETS

With Integral Baffle

- Designed to work with Fabricated Sheet Metal and Cast Aluminum Valve Covers, without logo, that have a 1.220" diameter hole
- Ideal for those using aftermarket valve covers without OEM-style oil control baffles
- · Ideally suited for push-in style breather systems
- · Will not clear stud girdles
- Made from oil resistant rubber

PART # DESCRIPTION

68775 Breather Grommet/Baffle, 2 per package 68776 Breather Grommet/Baffle, 2 per package (Designed for .090 - .100" material thickness)



No. 68776

PCV GROMMET

With Integral Baffle

- Designed to work with Fabricated Sheet Metal and Cast Aluminum Valve Covers, without logo, that have a 1.220" diameter hole
- Ideal for those using aftermarket valve covers without OEM-style oil control baffles
- · Works with all popular GM PCV valves
- · Special design keeps oil out of the PCV valve
- · Will not clear stud girdles, made from oil resistant rubber

PART # DESCRIPTION

68772 PCV Grommet/Baffle, 1 per package

68773 PCV Grommet/Baffle, 1 per package (Designed for .090 - .100" material thickness)



No. 68772

VALVE COVER BREATHER BAFFLE

- Made of 14 gauge 6061-T6 aluminum, this baffle mounts inside Moroso valve covers under the breather hole to keep oil from getting into the breather
- Use with Valve Cover Breathers Nos. 68720, 68721, 68722, 68723, 68724, 68725, 68730, 68740, 68741, 68781, 68810, 68813 or 68817
- · Cannot be used with engines equipped with stud girdles
- · One per package; includes all necessary fasteners

PART # DESCRIPTION

68790 Valve Cover Breather Baffle



No. 68790

VALVE COVER WELD-IN BUNGS

- Can be welded to aluminum valve covers, holding tanks, cylinder heads, oil pans, etc. or wherever an NPT fitting is needed
- Made of 6061-T6 aluminum and fit a 1" diameter hole
- Two per pack

PART # DESCRIPTION

68900 Aluminum Weld-In Bungs, %" NPT Fitting **68910** Aluminum Weld-In Bungs, ½" NPT Fitting





No. 68900

FILLER CAP KITS. UNIVERSAL

- Cap Kit No. 85280 and No. 85282 are knurled
- Cap Kit No. 85283 is designed with contoured grip
- These universal kits, available with steel or 6061-T6 aluminum bung, can be used on valve covers and other locations to replenish fluid, or serve as an inspection port
- Bungs can be welded to any suitable tank, valve cover or plate
- Manufactured from 6061-T6 aluminum, includes 0-Rings for leak-free sealing



85280 Filler Cap Kit, Universal, Steel Bung, 1-¼" -12UNF Threads, 1.5" OD
 85282 Filler Cap Kit, Universal, Aluminum Bung, 1-¼" -12UNF Threads, 1.5" OD
 85283 Filler Cap Kit, Universal, Aluminum Bung, Black Anodized with logo,

1-3/8" -12UNF Threads, 2.6" OD

NOTE: For steel applications, use Rear End Fill Cap No. C9085



No. 85280



No. 85283

FILLER CAP KITS. UNIVERSAL, NON-WELD, WELD

- Provides an easy way of adding an oil fill to a valve cover, tank, rear end and other locations
- Available in two versions,
 - Non-Weld, for aluminum or steel, since no welding is required then there is not the possibility of heat damage to chrome or powder coat
 - Weld On, for steel, Steel Bung
- Finger Grip cap manufactured from 6061-T6 billet aluminum with a black anodized finish, Moroso logo, includes O-Ring for leak free sealing



No. 68485

PART # DESCRIPTION

68485 Fill Cap Kit, Non-Weld, 1-1/4"-12UNF Threads, 1.5" O.D. **85284** Fill Cap Kit, Weld, Steel, 1-1/4"-12UNF Threads, 1.5" O.D.



No. 85284

-10AN MALE FITTING

Non-Weld

- Non-weld kit, makes it easy to add a leak proof fitting to oil pans for oil returns, valve covers etc., without having to actually weld the fitting
- Perfect for adding a fitting to steel or aluminum with up to a 1/8" max. wall thickness
- . 0-ring seal to prevent leaks

PART # DESCRIPTION

22753 -10AN Male Fitting, Non-Weld



No. 22753

OIL FILLER CAP

Fits: All Moroso and OEM valve covers with 1.22" diameter hole

- Push-in design for applications requiring a sealing-type filler plug
- Chrome plated top section

PART # DESCRIPTION 68660 Oil Filler Cap



No. 68660

HOW MOROSO IGNITION WIRE IS MANUFACTURED

Adapted from DRAG RACING ACTION Magazine by JOHN DIBARTOLOMEO

Spark plug wire used to be nothing more than a solid core length of wire with some type of insulation. Suppression wire was later developed to combat radio interference, otherwise known as RFI (radio frequency interference) or EMI (electro-magnetic interference). For suppression wire to work, it must contain a certain amount of electrical resistance. Because of this resistance, it was never useful in race applications, where every bit of spark energy is beneficial to lighting an adequate fire within the engine's cylinders. For that reason, racers always choose a solid core plug wire, which had no suppression capabilities, but offered very little resistance to the spark generated by modern era ignition boxes.

That changed in the mid-'80's when data loggers became standard issue on race cars. The capabilities of those early loggers were very susceptible to RFI noise, which could disrupt the timing functions of the delay/throttle stop boxes, as well as the recording ability of data loggers. Though most manufacturers installed some filtering, RFI became a big issue in the racing industry.

The engineers at Moroso realized the need for enhanced suppression plug wire that would alleviate or reduce the amount of RFI. A spark voltage that exceeds 50,000-volts through a plug wire would inevitably find its way through the outer core of the wire and into the airwaves. So, it became optimal for racers to install suppression plug wires but the requirement to have a very low resistance wire was a necessity.

Moroso Wire Technology led the development of modern ignition wire, designed with a Kevlar core, nickel copper alloy wire wrapped around the Kevlar and ferrite-impregnated outer sleeve. Moroso high performance Ignition Wire, manufactured at our facility in Philadelphia, protects against heat, chaffing, contaminants and results in a resistance of only 40-ohms per foot.

For info. on Custom Imprinted Wire Sets and other street applications, see pg. 326



The wire travels 250 feet through these long tubes on the right in order to cure and cool the wire after manufacturing.



The rubber cover material for the center conductor starts out in this ribbon-like form. It's fed into a tube that heats and feeds it through a series of collets to form it around the center conductor.



An optical laser measuring device keeps constant measurement on the completed wire as it comes to the end of the line. The machine operator must maintain the measurement within a specified amount and adjust as necessary.



The outer silicone material is fed through the machine in the same fashion as the center core cover, eventually making it's way onto the wire and completing the forming process.



These print wheels are laser engraved with the Moroso and Ultra 40 Race Wire logos. At the end of the forming line, the wheels pick up ink and print on both sides of the wire.



In the last step in the manufacturing process, completed wire is rolled onto wooden spools. Each spool holds 5,000-feet of wire awaiting the final steps to complete a length of spark plug wire.



This automatic machine cuts the wire from the bulk spools to specified lengths and strips back the insulation on both ends prior to the terminal end crimping process.



Each wire is hand fed into a crimping machine that automatically feeds terminal ends through it, while an operator feeds the previously stripped back wire in, finally ending up with a crimped terminal on the end.



Before a plug boot is installed, each wire undergoes testing to ensure the quality of the crimp and the wire's conductivity. The plug boot is then installed, the wire is packaged and is ready for delivery.



Moroso Ultra 40 Race Wire Sets receive a fiberglass reinforced silicone outer sleeve which requires a heat shrink sleeve at the boot in order to seal off the whole assembly.



The manufacture of Ignition Wire requires several different steps: first, the center conductor (1) has EPDM (Ethylene Propylene Diene Monomer) rubber material formed around it (2). The wire is then re-fed into the machine where the outer silicone covering is formed and printed with the type of wire it is (3). The completed wire is then stripped back (4) and the terminal ends are crimped on (5). The plug boot is installed (6) and finally, for race applications, a silicone-jacketed fiberglass sleeve is slipped over the assembly and a shrink sleeve installed (7).

ULTRA 40 RACE WIRE SETS

ULTRA 40 UNIVERSAL WIRE SETS. UNSLEEVED

The most powerful wire for any race application!

- Moroso Ultra-40 Race Wire is the standard in high performance ignition wire
- Optimized EMI/RFI resistance
- Used in the highest level of racing applications, from dual mag Top Fuel Cars thru NASCAR Sprint® Cup Series
- 7mm or 8.65mm diameter wire with 40 ohms of resistance per foot
- Incorporates a highly engineered spiral wound conductor
- Maximizes energy transfer and minimizes electro magnetic interference (EMI) and radio frequency (RF)interference noise



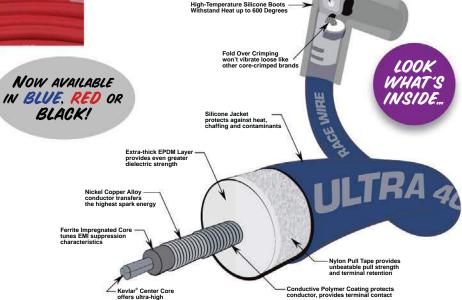
No. 73814

BUYER'S GUIDE FOR ULTRA	40 UNI\	/ERSAL V	VIRE SETS	S, UNSLE	EVED									
APPLICATION/ DISTRIBUTOR CAP STYLE	WIRE DIA.	1	SF 2	PARK P Cylii 3	NDER :	VIRE L # (INC 5		IS 7	8	PLUG BOOT	COIL WIRE LENGTH			
UNIVERSAL FIT		PART #		(mm)	1		3	4	<u> </u>	0		8	BUUI	(inches)
90° Universal	73800	73810	73814	8.65	35	35	39	39	46	50	53	53	90°	36
Straight Universal	73801	73812	73815	8.65	35	35	39	39	46	50	53	53	STR.	36
135° Universal	73802	73836	73816	8.65	35	35	39	39	46	50	53	53	135°	36
HEMI			7	10	10								TO	
Mopar/Chrysler	73840	N/A	73841	8.65	30	32	34	36	36	38	42	49	Hemi	30
BAE-AJPE/8.5" Insulators	73803	N/A	73804	8.65	28	32	38	42	51	56	61	66	Hemi	38
BAE-AJPE/7" Insulators	73808	N/A	73809	8.65	51	28	56	32	61	38	66	42	Hemi	36
GM Pro Stock, Brodix PB201, CFE, Ford, Yates/ 5" Long Straight Pro Boot	73813	N/A	73839	8.65	41	41	46	46	56	56	66	66	STR.	38
GM LS SERIES				2 50										
Coil-on Plug	73811	N/A	73828	7	48	48	48	48	48	48	48	48	STR.	N/A







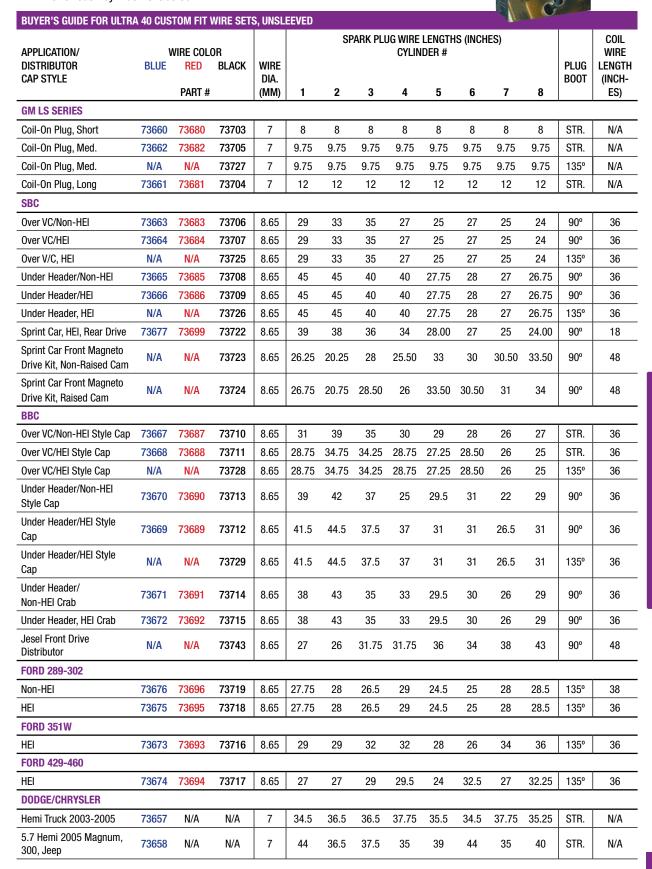


Locking Stainless Steel Terminals stay connected under high vibration

ULTRA 40 RACE WIRE SETS

ULTRA 40 CUSTOM FIT WIRE SETS, UNSLEEVED

- Cost-effective version of our race proven Ultra 40 Race Wire, without heat sleeving
- 7 or 8.65mm diameter wire with 40 ohms of resistance per foot
- · Complete, ready-to-install sets available for specific engines
- Wire for each cylinder is labeled



ULTRA 40 RACE WIRE SETS

ULTRA 40 CUSTOM FIT WIRE SETS. SLEEVED

Exterior sleeving offers improved dielectric strength for added resistance to outside pulses while protecting wire against heat, chafing and contaminants

- 7mm or 8.65mm diameter wire with 40 ohms of resistance per foot
- Sleeving adds extra dielectric strength
- Sleeving extends spark plug wire life and protects against exhaust header heat, chaffing and contaminants
- · Complete, ready to install sets available for specific engines



BUYER'S GUIL	DE FO	R ULTRA	40	CUST	OM F	IT W	IRE S	ETS, S	SLEEVE	ED.			
	WIRE	COLOR	WIRE			SPARI	K PLUG V	VIRE LEI	NGTHS				COIL
APPLICATION/	BLUE	BLACK	DIA.			CY	LINDER	# (INCH	ES)				WIRE
DISTRIBUTOR			(MM)									PLUG	LENGTH
CAP STYLE	PA	RT #		1	2	3	4	5	6	7	8	B00T	(inches)
SBC													
Over VC/Non HEI	73600	73824	8.65	29	33	35	27	25	27	25	24	90°	36
Over VC, HEI	73602	73817	8.65	29	33	35	27	25	27	25	24	90⁰	36
Under Header, Non HEI	73605	73825	8.65	45	45	40	40	27.75	28	27	26.75	90°	36
Under Header, HEI	73607	73818	8.65	45	45	40	40	27.75	28	27	26.75	90°	36
Jesel Front Drive	N/A	73842	8.65	23	23	24	24.50	36	29.50	33	37.50	90°	48
Distributor													
GM LS SERIES													
Coil-On Plug, Short	73535	73823	7	8	8	8	8	8	8	8	8	STR.	N/A
Coil-On Plug, Medium	73537	73827	7	9.75	9.75	9.75	9.75	9.75	9.75	9.75	9.75	STR.	N/A
Coil-On Plug, Long	73536	73826	7	12	12	12	12	12	12	12	12	STR.	N/A
Coil-On Plug, Remote	N/A	73845	7	15	15	15	15	15	15	15	15	115º	N/A
coils													
Coil-on Plug, Coils on	N/A	73846	7	9.25	9.25	9.25	9.25	9.25	9.25	9.25	9.25	115º	N/A
Valve Covers													
BBC													
Over VC, Non HEI	73614	N/A	8.65	31	39	35	30	29	28	26	27	STR.	36
Over VC, HEI	73615	73819	8.65	28.75	34.75	34.25	28.75	27.25	28.5	26	25	STR.	36
Under Header, Non HEI	73617	73821	8.65	39	42	37	25	29.5	31	22	29	90°	36
Under Header, HEI	73616	73820	8.65	41.5	44.5	37.5	37	31	31	26.5	31	90°	36
Under Header, HEI	73622	73832	8.65	38	43	35	33	29.5	30	26	29	90°	36
Crab													
Jesel Front Drive	N/A	73843	8.65	27	26	31.75	31.75	36	34	38	43	90°	48
Distributor													
FORD													
289-302													
HEI	73630	73833	8.65	27.75	28	26.5	29	24.5	25	28	28.5	135°	36
Non HEI	73631	73834	8.65	27.75	28	26.5	29	24.5	25	28	28.5	135°	38
351W													
LIEI													
HEI	73626	73822	8.65	29	33	32	32	28	26	34	36	135°	36
429-460	73626	73822	8.65	29	33	32	32	28	26	34	36	135°	36







ULTRA 40 RACE WIRE & ACCESSORIES

ULTRA 40 WIRE - SPOOL

• 100 ft. of 8.65mm Ultra 40 wire on a spool

DESCRIPTION PART #

73830 Ultra 40 Wire Spool, 100 ft, Blue 73838 Ultra 40 Wire Spool, 100 ft, Black

No. 73830



COIL WIRE OR REPLACEMENT WIRE KIT. UNSLEEVED. ULTRA 40 WIRE KIT

Ultra 40

- · Allows installation of an ignition coil in a remote location or can be used as areplacement wire in a wire set
- · Kit includes:

72" wire

2-HEI 90 Deg. distributor boots

2-HEI 90 Deg. spark plug boots

4-HEI terminals, 2-Non-HEI 90 Deg. Boots

4-Non-HEI terminals and 2 coil boots

PART# DESCRIPTION

Coil, Replacement Wire Kit, Ultra 40, Blue 73237 Coil, Replacement Wire Kit, Ultra 40, Black 73238



COIL WIRE OR REPLACEMENT WIRE KIT. SLEEVED. ULTRA 40 WIRE

- Allows installation of an ignition coil in a remote location or can be used as a replacement wire in a wire set
- Sleeving adds extra dielectric strength, which is wire's ability to not be affected by outside electrical pulses
- Sleeving extends spark plug wire life and protects against exhaust heat, chaffing and contaminants
- Kit includes:

48" wire

48" high temp sleeving

2-HEI 90 Deg. distributor boots

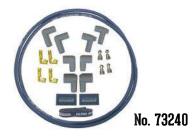
2-HEI 90 Deg. spark plug boots

4-HEI terminals, 2-Non-HEI 90 Deg. Boots

4-Non-HEI terminals and 2 coil boots

DESCRIPTION PART

73240 Coil, Replacement Wire Kit, Sleeved, Ultra 40, Blue 73241 Coil, Replacement Wire Kit, Sleeved, Ultra 40, Black





No. 73241

ULTRA 40 SPARK PLUG BOOT & TERMINAL KITS

- · Manufactured from high temperature silicone
- Ultra 40 boots are available for both spark plug and distributor ends
- Comes in sets of 8 with positive-locking spark plug or distributor terminals

PART # DESCRIPTION

72041 Boot & Terminal Kit, Dist., HEI, Ultra 40

72061 Boot & Terminal Kit, Spark Plug Boot, Straight, Ultra 40 72071 Boot & Terminal Kit, Spark Plug Boot, 90 Degree, Ultra 40 72076 Boot & Terminal Kit, Spark Plug Boot, 135 Degree, Ultra 40

72081 Boot & Terminal Kit, Dist., Non-HEI, Ultra 40



No. 72071



No. 72041



No. 72061



No. 72081



RACE PROVEN PERFORMANCE... FOR STREET OR STRIP!

Extra-thick EPDM Layer provides even greater dielectric strength

Conductor greatly improves spark energy

The superiority of Blue Max 8mm 800 ohm Spiral Core Wire comes from over 35 years of refinement. The combination of Moroso's engineering expertise and our rigorous testing program yields the finest wire available for the Street or Strip.

WHETHER YOU HAVE A FULL-TIME STREET MACHINE, HOT ROD, OR RACE CAR, MOROSO BLUE MAX 800 OHM SPIRAL CORE WIRE IS THE RIGHT CHOICE FOR YOU!

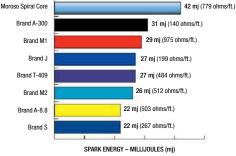




- Available in popular 8mm and extra-thick Super Max[™] 11mm
- Universal and Custom Fit Sets
- Optimized combination of capacitance, inductance and resistance provides more spark energy and EMI protection than any other 8mm Spiral Core Wires in their class
- Eliminates interference with on-board electronics and provides static-free sound quality for car audio systems

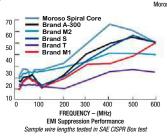
INDEPENDENT TESTING CONFIRMS...BLUE MAXIM TOPS ALL OTHER WIRE!

More Spark Energy vs. Comparative Brands!



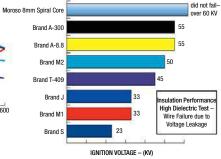
Note: No correlation between Resistance and Spark Energy
Elite Electronics Laboratories, a leading automotive electronics test facility, tested Moroso
Blue MaxTM against 14 other brands. Their
results confirm that Blue MaxTM transmitted
more spark energy than any of the others.

Greater EMI/RF Suppression!



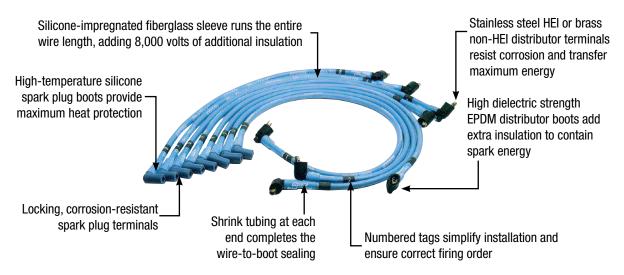
Elite Electronic Laboratories confirms, using SAE's CISPR test, that Blue Max™ suppresses more electro-magnetic interference than any other brand of "high-performance" spiral core wire.

Higher Dielectric Strength!



The chart illustrates the break-through voltage of sample wires tested in a water-filled tank (per SAE's approved test). Even at the maximum test output of 60,000 volts, Moroso Blue Max^{TM} does not break down or arc through.

BLUE MAX™ CUSTOM FIT SLEEVED WIRE SETS



TAKE THEM OUT OF THE BOX. PLUG THEM IN. AND GO RACING!

Moroso Blue Max™ Sleeved Wire Sets come complete with our famous 8mm, 800 ohm Spiral Core Wire pre-terminated at both ends with the correct terminals and boots, insulating sleeve that runs the entire wire length, shrink tubing to seal the boots, and numbered ID tags.

- Complete, ready-to-install sets available for your specific engine application
- Each wire is individually tested for continuity and resistance after termination to ensure race-ready performance

	BUYER'S	GUIDE FOR	R BLI	UE N	I AX ^{TI}	M CU	STOM	FIT	SLE	EVED	WIRE	SETS	
PART #	APPLICATION	DISTRIBUTOR CAP STYLE	WIRE DIA. (mm)	1	SPA	RK PLU		LENGT IDER #	HS (IN)	CHES) 7	8	SPARK PLUG BOOT	COIL WIRE LENGTH (inches)
SMALL BLOCK CHEVY													
72402	Over Valve Covers	HEI Style	8	29	33	35	27	25	27	25	24	90°	36
72405	Under Headers	Non-HEI	8	45	45	40	40	27.75	28	27	26.75	90°	36
72407	Under Headers	HEI Style	8	45	45	40	40	27.75	28	27	26.75	90°	36
BIG BLOC	K CHEVY												
72415	Over Valve Covers	HEI Style	8	28.75	34.75	34.25	28.75	27.25	28.5	26	25	STR.	36
72416	Under Headers	HEI Style	8	41.5	44.5	37.5	37	31	31	26.5	31	90°	36
FORD													
351W, V-8													
72426	Over Valve Covers	HEI Style	8	29	33	32	32	28	26	34	36	135°	36
289-302													
72430	Over Valve Covers	HEI Style	8	27.75	28	26.6	29	24.5	25	28	28.5	135°	36

SUPER MAXTM 11MM

The Thickest Spiral Core Around!

- Two layers of fiberglass braid provide unsurpassed pull strength
- Intermediate layer of silicone-EPDM blend for extra insulation
- Outer silicone jacket resists moisture, fuel and oil while providing added electrical insulation
- Track tested by professional racers; now available to everyone in three Universal-Fit V8 Sets

8 CYLINDER ENGINES 73700 90° HEI & Non-HEI BLU 73701 Straight HEI & Non-HEI BLU	E)r
73701 Straight HEL& Mon-HEL RLL	E
73701 Straight HEI & NOH-HEI BEG	E
73702 135° HEI & Non-HEI BLU	E

Sal-Fit V8 Sets
Super Max 11MM
Spiral Core Wire

Typical 8mm Wire



BLUE MAX™ SPIRAL CORE WIRE

BLUE MAXTM SPIRAL CORE WIRE SPOOL

PART # DESCRIPTION

73230 Spiral Core 8mm, 800 ohm Wire Spool, 100 ft.



No. 73230

BLUE MAXTM SPIRAL CORE COIL REPLACEMENT WIRE KIT

- 36" Long
- All the parts necessary to make a coil wire to fit virtually all popular coils and distributor cap combinations
- Kit contains three feet of Blue Max[™] Spiral Core 8mm suppression wire, a wire stripping tool, and a 13-piece boot and terminal kit

PART # DESCRIPTION

73235 Spiral Core 8mm, 800 ohm Coil Wire Kit, Blue 73236 Spiral Core 8mm, 800 ohm Coil Wire Kit, Black



No. 73235

BLUE MAXTM SPIRAL CORE TWO WIRE SET

- Moroso offers a two-piece Spiral Core Wire Set to replace individual wires
- Each wire is 55" long and terminated with a straight plug terminal at one end, and a 90° plug terminal at the other
- Simply cut wire to length and use the two distributor boots and two distributor terminals supplied with the kit to complete each wire

PART # DESCRIPTION

72475 Blue Max[™] Spiral Core 8mm, 800 ohm Two Wire Set



No. 72475

STREET DRESS-UP KITS

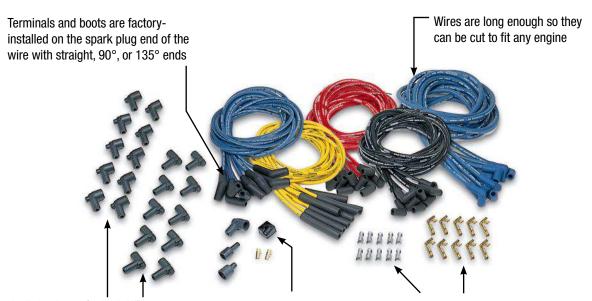
Complete Pre-Terminated Kits for Header-Equipped Engines

- Kits contain one set of Moroso Blue MaxTM Spiral Core 8mm, 800 ohm Spark Plug Wire, four two hole wire looms, four chrome loom brackets, six spark plug wire separators, and a chrome distributor hold down
- Designed to route the plug wires over the top of the valvecover and down to the spark plug on engines equipped with exhaust headers

PART # 72751	DESCRIPTION Ignition Wire Dress-up Kit
72752	Fits: SBC, pre-H.E.I. Distributor Ignition Wire Dress-up Kit
72753	Fits: SBC, H.E.I. Distributor Ignition Wire Dress-up Kit Fits: BBC, pre-H.E.I. Distributor
72754	Ignition Wire Dress-up Kit Fits: BBC, H.E.I. Distributor
72792	Ignition Wire Dress-up Kit Fits: Big Block Chrysler



BLUE MAX™ UNIVERSAL FIT WIRE SETS



Includes boots for both HEI and Non-HEI distributors

Moroso Wire Stripping Tool removes insulation without damaging the conductor

Each set includes enough terminals for either HEI or Non-HEI distributors

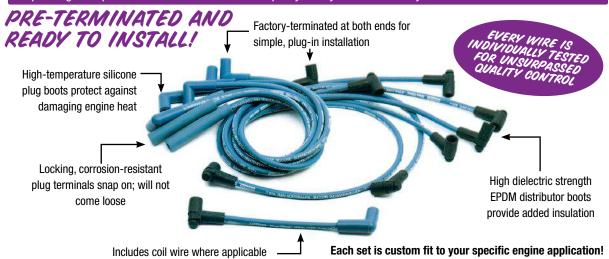
FOR UNIVERSAL IGNITION WIRE APPLICATIONS, THESE SETS ARE THE WAY TO GO!

Moroso Blue Max™ Universal Fit Wire Sets are terminated at the plug end only, and include enough wire length and terminals to fit HEI or Non-HEI distributors. A coil wire is included when required. There's even a wire stripping tool to simplify the termination. And like all Moroso Blue Max™ wire, each is individually tested for unsurpassed quality control.

- Comes complete with everything you need
- Available in 8mm, 800 ohm or our extra-thick 11mm 800 ohm
- Includes Moroso Wire Stripping Tool for quick and easy installation

				S	PARK	PLUG	WIRE	LENG1	THS (II	NCHES	5)		COIL
PART #	DISTRIBUTOR CAP STYLE	WIRE COLOR	WIRE DIA. (mm)	1	2	3	CYLIN 4	DER #	6	7	8	SPARK Plug Boot	WIRE LENGTH (inches)
	DER ENGINES	OOLON	(11111)	•							•	БООТ	(IIIOIIC3)
73229	HEI & Non-HEI	Blue	8	32	32	44	44					STR.	18
	DER ENGINES	2.0.0				•	• •					5 1111	
73210	LT-1	Blue	8	40	40	40	40	40	40	40	40	90°	18
73214	HEI & Non-HEI	Red	8	35	35	39	39	46	50	53	53	135°	36
73215	HEI & Non-HEI	Yellow	8	35	35	39	39	46	50	53	53	135°	36
73216	HEI & Non-HEI	Yellow	8	35	35	39	39	46	50	53	53	STR.	36
73217	HEI & Non-HEI	Yellow	8	35	35	39	39	46	50	53	53	90°	36
73218	HEI & Non-HEI	Red	8	35	35	39	39	46	50	53	53	STR.	36
73219	HEI & Non-HEI	Red	8	35	35	39	39	46	50	53	53	90°	36
73220	HEI & Non-HEI	Blue	8	35	35	39	39	46	50	53	53	135°	36
73225	HEI & Non-HEI	Blue	8	35	35	39	39	46	50	53	53	90°	36
73226	HEI & Non-HEI	Blue	8	35	35	39	39	46	50	53	53	STR.	36
73231	HEI & Non-HEI	Black	8	35	35	39	39	46	50	53	53	90°	36
73232	HEI & Non-HEI	Black	8	35	35	39	39	46	50	53	53	STR.	36
73233	HEI & Non-HEI	Black	8	35	35	39	39	46	50	53	53	135°	36
73700	HEI & Non-HEI	Blue	11	35	35	39	39	46	50	53	53	90°	36
73701	HEI & Non-HEI	Blue	11	35	35	39	39	46	50	53	53	STR.	36
73702	HEI & Non-HEI	Blue	11	35	35	39	39	46	50	53	53	135°	36

We've taken our race-proven Blue Max[™] 8mm, 800 ohm Spiral Core Wire and packaged it in pre-terminated sets for most popular applications. This is the very same wire used by professional racers and engine builders to deliver maximum spark energy and provide the greatest protection against electro-magnetic interference (EMI). The result is superior ignition performance and excellent sound quality from your car's audio system.



AMERICAN MOTORS

All Models - V8 Engines				
YEAR	ENGINE	PART #		
1984-67	All 8 Cylinders	72550		
1984-67	All 8 Cylinders	72550		
BUICK All Models	- V8 Engines			

All Models - V8 Engines			
YEAR	ENGINE	PART #	
1982	4.4L 267 (E)	72520	
1981	4.4L 267, 5.0L 305	72560	
1980-78	350 (X)	72520	
1977	305, 350 (L)	72521	
	350 (H) (J)	72560	
1976-74	350, 400 with HEI	72560	
1992-83	5.0L 307 (Y) (E) (7)	72565	
1982	5.0L 307	72565	
1981-77	260, 307, 350 (R), 403	72565	
1976-74	260	72565	

CENTURY REGAL

VO LIIGIIIES		
YEAR	ENGINE	PART #
1978	305	72523

CADILLAC

All Models - V8 Engines			
YEAR	ENGINE	PART #	
1991	5.0L (E) (7) Brougham	72538	
1990-86	5.0L, 307 (Y) (9)	72565	
1980-79	5.7L 350 Eldorado, Seville	72565	
1978-75	350	72565	

CHEVROLET

Full Size/Bel Air/Caprice/Impala - V8 Engines

YEAR	ENGINE	PART #
1996-94	5.7L 350 LT-1	72529
1992-90	5.0L 305 (E) (F), 5.7L 350 (7)	72538
1989	5.0L 305 (E) (F), 5.7L 350 (7)	72538
	5.0L 307 (Y)	72565
1988-87	5.0L 307 (Y)	72565

CHEVROLET, CONTINUED

All Models - V8 Engines

YEAR	ENGINE	PART #
1981	4.3L 265	72570
	4.4L 267, 5.0L 305, 5.7 350	72520
1979	5.0L 305, 5.7 350	72522
1978	5.0L 305, 5.7 350	72522
1977	305, 350, 400	72521
1976-74	305, 350, 400 with HEI	72521
	454 with HEI	72528
1974-71	307, 350, 400 without HEI	72510
	396, 402, 427, 454 without HEI	72550
1970-65	283, 307, 327, 350, 400	72500
	396, 402, 427, 454	72550
1964-55	265, 283, 327	72500
1992-83	5.0L 307 (Y) (E) (7)	72565
1982	4.4L 267 (E)	72520
	5.0L 307	72565
1981	4.3L 265, 5.0L 301	72570
	4.4L 267, 5.0L 305	72520
	260, 307, 350 (R), 403	72565
1980-79	301	72570
	350 (R), 403	72565
	350 (X)	72560
1978	301	72570
	305 Skylark	72522
	305 Century, Regal	72523
	350 (L)	72522
	350 (X)	72560
1977	350 (R), 403	72565
	301	72570
	350 (R), 403	72565
	305, 350 (L)	72521
	350 (H) (J)	72560
1976-74	260	72565
	350, 400 with HEI	72560

CHEVROLET. CONTINUED

Camaro Z2	8 - V8 Engines	
YEAR	ENGINE	PART #
2000-98	5.7L 350 LS-1	72535
1997-96	5.7L 350 LT-1	72527
1995-93	5.7L 350 LT-1	72526
1992-88	5.0L 305, 5.7L 350	72538
1987	5.0L 305	72538
	5.7L 350	72525
1984-83	5.0L 305	72520
1982	5.0L 305 with 4-Bbl. Carb.	72520
1980	267, 305, 350 excludes California	72522
1979-78	305, 350	72522
1977-74	305, 350 with HEI	72521
1974-67	283, 302, 327, 350 without HEI	72510
1972-67	396, 402, 427, 454	72550
	Camino, Monte Carlo/Malibu - V8	
1986-83	5.0L 305	72520
1982-81	4.4L 267, 5.0L 305	72520
1978	5.0L 305, 5.7L 350	72523
1977-74	305, 350, 400 with HEI	72521
1974-73	307, 350, 400 without HEI	72510
1972-65	283, 307, 327, 350, 400	72510
	396, 402, 427, 454	72550
1964	283, 327	72510
	va - V8 Engines	
1979-78	305, 350	72522
1977-74	305, 350, 400 with HEI	72521
1974-71	305, 350, 400 without HEI	72510
1970-68	307, 327, 350	72500
1007.04	396, 402	72550 72510
1967-64 <i>Corvette -</i> I	283, 327	72310
2000-97	5.7L 350 LS-1	72535
1996-92	5.7L 350 LT-1, LT-4	72524
1991-85	5.7L 350 El-1, El-4 5.7L 350	72525
1982-74	5.0L 305, 5.7L 350 with HEI	72561
1974-65	327, 350 without HEI	72510
	396, 427, 454 without HEI	72550
1964-55	265, 283, 327	72500

CHEVROLET/GMC TRUCK

All Series	- V8 Engines	
YEAR	ENGINE	PART #
	7.4L 454 (N) C/K	72542
1989	5.0L 305 (H) C/K, G	72540
	5.7L 350 (K) C/K, R/V	72542
	7.4L 454 (N) C/K, R/V	72542
1988-87	5.0L 305 (H) C/K, G	72540
	5.7L 350 (K) C/K, R/V	72542
	5.7L 350 (K) G/P	72540
	5.7L 350 (M) C/K, R/V	72522
	7.4L 454 (N) C/K, R/V, G	72542
1986	5.0L 305, 5.7L 350 C/K	72523
	5.7L 350 (K) G/P	72522
	7.4L 454 (N) C/K, P	72530
1985-83	5.0L 305, 5.7L 350 C/K	72520
	5.0L 305, 5.7L 350 G/P	
	excludes Motor Home	72522
	7.4L 454 (N) C/K, P	72530
1982	5.0L 305, 5.7L 350 C/K 30, 35	72522
	5.0L 305, 5.7L 350 G/P	72522
	7.4L 454 (N) C/K, P	72530
1981	4.3L 265	72565

CHEVROLET/GMC TRUCK, CONTINUED

All Series	All Series - V8 Engines			
YEAR	ENGINE	PART #		
	5.0L 305, 5.7L 350 G/P	72522		
	7.4L 454 (N) C/K, P	72530		
1980-78	305, 350	72522		
	454	72530		
1977	305, 350, 400	72521		
	454	72530		
1976-75	305, 350, 400 with HEI	72521		
	305, 350, 400 without HEI	72500		
	454	72528		
1974-73	307, 350, 400	72510		
	396, 402, 454	72550		
1972-65	396, 402, 454	72550		
	283, 307, 327, 350, 400	72500		
1964-55	265, 283, 327	72500		

CHRYSLER

All Wodels -	All Models - V8 Engines				
YEAR	ENGINE	PART #			
1989-79	5.2L 318, 5.9L 360	72650			
1978-73	318, 360	72650			
	400, 440	72655			
1972-71	360	72650			
	400, 440 with Electronic Ignition	72656			
	400, 440 excludes Electronic Ignition	72660			
1970-59	361, 383, 413, 440	72660			

DODGE

All Models - V8 Engines									
YEAR	ENGINE	PART #							
1989-79	5.2L 318, 5.9L 360	72650							
1978-73	318, 340, 360	72650							
	400, 440	72655							
1972-62	273, 318, 340, 360	72650							
	361, 383, 400, 440	72656							
1961-60	318	72650							
	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7								

DODGE TRUCK

All Models -		
Year	Engine	PART #
1991-79	5.2L 318, 5.9L 360	72650
1978-73	318, 360	72650
	400, 440 with Electronic Ignition	72656
1972-60	318, 360	72650

FORD

Full Size, Custom/Galaxie/LTD Crown Victoria -V8 Engines

re mgmee		
YEAR	ENGINE	PART #
1987-86	5.8L 351W	72645
1985-84	5.8L 351W	72645
1979	5.0L 302 California only	72645
	5.8L 351W California only	72645
1974-73	351C, 400	72605
1972-71	302, 390	72600
	351, 400, 429	72605
1970	302	72600
	351, 390, 427, 428, 429	72605
1969-68	302, 351	72600
	390, 427, 428, 429	72605
1967-61	221, 260, 289, 292	72605

PART #

PART #

PART #

	CONTINUED	DADT #	YEAR	TRUCK, CONTINUED ENGINE	PART
YEAR	ENGINE	PART #	1984-83	5.8L 351	7264
	All 8 Cylinder excludes	70000	1982	5.8L 351	72645
1000 F0	221, 260, 289, 292 All 8 Cylinder excludes 292	72600 72600	1973	360, 390 Engs	72600
1960-58	•	72000		V8 Engines	72000
	V8 Engines	70000	1972-71	302 F-100	72600
1970-66	289, 302, 351	72600	1912-11	330 MD, 360, 390	72600
	390, 427, 428	72605			
1965-62	All 8 Cylinder	72600	1070.00	352	72605
Falcon - V8			1970-69	302 F-100	72600
1970-63	All 8 Cylinder	72600		330 MD	72600
	no/Ranchero - V8 Engines		1000.07	352, 360, 390	72605
1985-84	All 8 Cylinder	72645	1968-67	330 MD	72600
1974-73	351C, 400	72605	1000.05	352, 360, 390	72605
1972-70	302	72600	1966-65	352, 360, 390	72605
	351, 429	72605	1964	All 8 Cylinder	72605
1969-68	302	72600	LINCO	LN	
	390, 428	72605	Continenta	al - V8 Engines	
Mustang -	V8 Engines		YEAR	ENGINE	PART :
1998-96	4.6L SOHC V8	72646	1972-69	All	72605
1994-86	5.0L 302	72645	1968-58	All	72600
1985	All 8 Cylinder with EEC IV	72645		/V/VI/VII - V8 Engines	
1984	5.0L 302	72645	1992	5.0L 302 LSC	72645
1973	351	72605	1984	5.0L 302 LSC	72645
1972-70	302	72600	1976-69	All	72605
1012 10	All 8 Cylinder excludes 302 cid	72605		- V8 Engines	72003
1969-67	All 8 Cylinder	72605	1988-86	302	72645
1965-66	All 8 Cylinder	72600			72043
	rd - V8 Engines		MERC		
1993-91	5.0L 302	72635	Full Size G	Grand Marquis, Montery/Etc V8	Engines
	All 8 Cylinder	72605	YEAR	ENGINE	PART :
1079 60					
			1987-86	5.8L 351	72645
	All 8 Cylinder excludes 429 cid	72600	1987-86 1985	5.8L 351 5.8L 351W	72645 72645
1968-58	All 8 Cylinder excludes 429 cid 429				72645
1968-58	All 8 Cylinder excludes 429 cid	72600	1985	5.8L 351W	72645 72645
1968-58 FORD	All 8 Cylinder excludes 429 cid 429	72600	1985 1984	5.8L 351W 5.8L 351W	72645 72645 72645
1968-58 <i>FORD</i> Bronco - V	All 8 Cylinder excludes 429 cid 429 TRUCK	72600	1985 1984 1979	5.8L 351W 5.8L 351W 5.8L 351W	
1968-58 <i>FORO</i> <i>Bronco - V</i> YEAR	All 8 Cylinder excludes 429 cid 429 TRUCK 8 Engines	72600 72605	1985 1984 1979 1974-73	5.8L 351W 5.8L 351W 5.8L 351W 351, 400	72645 72645 72645 72605
1968-58 <i>FORO</i> <i>Bronco - V</i> YEAR	All 8 Cylinder excludes 429 cid 429 TRUCK /8 Engines ENGINE 5.0L 302	72600 72605 PART # 72645	1985 1984 1979 1974-73 1972	5.8L 351W 5.8L 351W 5.8L 351W 351, 400 429 Interceptor 400, 429	72645 72645 72645 72605
FORO Bronco - N YEAR 1994-88	All 8 Cylinder excludes 429 cid 429 TRUCK /8 Engines ENGINE 5.0L 302 5.8L 351	72605 72605 PART # 72645 72635	1985 1984 1979 1974-73 1972 1971 1970-69	5.8L 351W 5.8L 351W 5.8L 351W 351, 400 429 Interceptor 400, 429 390, 400, 428, 429	72645 72645 72645 72605 72605 72605 72605
1968-58 FORO Bronco - V YEAR 1994-88	All 8 Cylinder excludes 429 cid 429 TRUCK /8 Engines ENGINE 5.0L 302 5.8L 351 5.8L 351	72600 72605 PART # 72645 72635 72645	1985 1984 1979 1974-73 1972 1971 1970-69 1968	5.8L 351W 5.8L 351W 5.8L 351W 351, 400 429 Interceptor 400, 429 390, 400, 428, 429 390, 428	72645 72645 72645 72605 72605 72605
1968-58 FORO Bronco - W YEAR 1994-88 1984-83 1982	All 8 Cylinder excludes 429 cid 429 TRUCK 78 Engines ENGINE 5.0L 302 5.8L 351 5.8L 351 5.8L 351 California only	72600 72605 PART # 72645 72635 72645 72645	1985 1984 1979 1974-73 1972 1971 1970-69 1968 1967-65	5.8L 351W 5.8L 351W 5.8L 351W 351, 400 429 Interceptor 400, 429 390, 400, 428, 429 390, 428 All 8 Cylinder	72645 72645 72645 72605 72605 72605 72605 72605
FORO Bronco - W YEAR 1994-88 1984-83 1982 1972-66	All 8 Cylinder excludes 429 cid 429 TRUCK 78 Engines ENGINE 5.0L 302 5.8L 351 5.8L 351 5.8L 351 California only All 8 Cylinder	72600 72605 PART # 72645 72635 72645	1985 1984 1979 1974-73 1972 1971 1970-69 1968 1967-65 1964	5.8L 351W 5.8L 351W 5.8L 351W 351, 400 429 Interceptor 400, 429 390, 400, 428, 429 390, 428 All 8 Cylinder 390, 427	72645 72645 72645 72605 72605 72605 72605 72605 72605 72605
FORO Bronco - V (EAR 1994-88 1984-83 1982 1972-66 E Series -	All 8 Cylinder excludes 429 cid 429 TRUCK /8 Engines ENGINE 5.0L 302 5.8L 351 5.8L 351 5.8L 351 California only All 8 Cylinder V8 Engines	72600 72605 PART # 72645 72635 72645 72645 72600	1985 1984 1979 1974-73 1972 1971 1970-69 1968 1967-65 1964	5.8L 351W 5.8L 351W 5.8L 351W 351, 400 429 Interceptor 400, 429 390, 400, 428, 429 390, 428 All 8 Cylinder 390, 427 390	72645 72645 72645 72605 72605 72605 72605 72605 72605 72600 72600
FORO Bronco - V YEAR 1994-88 1984-83 1982 1972-66 E Series -	All 8 Cylinder excludes 429 cid 429 TRUCK /8 Engines ENGINE 5.0L 302 5.8L 351 5.8L 351 5.8L 351 California only All 8 Cylinder V8 Engines 5.0L 302	72600 72605 PART # 72645 72645 72645 72600	1985 1984 1979 1974-73 1972 1971 1970-69 1968 1967-65 1964 1963	5.8L 351W 5.8L 351W 5.8L 351W 351, 400 429 Interceptor 400, 429 390, 400, 428, 429 390, 428 All 8 Cylinder 390, 427 390 All 8 Cylinder excludes 292 cid	72645 72645 72645 72605 72605 72605 72605 72605 72600 72600 72600
FORD Bronco - V YEAR 1994-88 1984-83 1982 1972-66 E Series -	All 8 Cylinder excludes 429 cid 429 TRUCK /8 Engines ENGINE 5.0L 302 5.8L 351 5.8L 351 5.8L 351 California only All 8 Cylinder V8 Engines 5.0L 302 5.8L 351	72600 72605 PART # 72645 72645 72645 72600 72645 72635	1985 1984 1979 1974-73 1972 1971 1970-69 1968 1967-65 1964 1963 1962-61 1960-58	5.8L 351W 5.8L 351W 5.8L 351W 351, 400 429 Interceptor 400, 429 390, 400, 428, 429 390, 428 All 8 Cylinder 390, 427 390 All 8 Cylinder excludes 292 cid 383, 430	72645 72645 72645 72605 72605 72605 72605 72605 72600 72600 72600
FORD Bronco - N YEAR 1994-88 1984-83 1982 1972-66 E Series - 1994-91	All 8 Cylinder excludes 429 cid 429 TRUCK /8 Engines ENGINE 5.0L 302 5.8L 351 5.8L 351 5.8L 351 California only All 8 Cylinder V8 Engines 5.0L 302 5.8L 351 5.0L 302 5.8L 351 5.0L 302	72600 72605 PART # 72645 72645 72645 72600 72645 72635 72645	1985 1984 1979 1974-73 1972 1971 1970-69 1968 1967-65 1964 1963 1962-61 1960-58 Capri- V8	5.8L 351W 5.8L 351W 5.8L 351W 351, 400 429 Interceptor 400, 429 390, 400, 428, 429 390, 428 All 8 Cylinder 390, 427 390 All 8 Cylinder excludes 292 cid 383, 430 Engines	72645 72645 72605 72605 72605 72605 72605 72605 72600 72600 72600 72600
FORD Bronco - L YEAR 1994-88 1982-1972-66 E Series - 1994-91	All 8 Cylinder excludes 429 cid 429 TRUCK /8 Engines ENGINE 5.0L 302 5.8L 351 5.8L 351 5.8L 351 California only All 8 Cylinder V8 Engines 5.0L 302 5.8L 351 5.0L 302 5.8L 351 5.0L 302 5.8L 351	72600 72605 PART # 72645 72645 72645 72600 72645 72635 72645 72635	1985 1984 1979 1974-73 1972 1971 1970-69 1968 1967-65 1964 1963 1962-61 1960-58 <i>Capri- V8</i> (1986-84)	5.8L 351W 5.8L 351W 5.8L 351W 351, 400 429 Interceptor 400, 429 390, 400, 428, 429 390, 428 All 8 Cylinder 390, 427 390 All 8 Cylinder excludes 292 cid 383, 430 Engines All 8 Cylinder	72645 72645 72605 72605 72605 72605 72605 72605 72600 72600 72600 72600
FORD Bronco - L YEAR 1994-88 1984-83 1982 1972-66 E Series - 1994-91	All 8 Cylinder excludes 429 cid 429 TRUCK (8 Engines ENGINE 5.0L 302 5.8L 351 5.8L 351 5.8L 351 California only All 8 Cylinder V8 Engines 5.0L 302 5.8L 351	72600 72605 PART # 72645 72645 72645 72645 72645 72635 72645 72635 72645	1985 1984 1979 1974-73 1972 1971 1970-69 1968 1967-65 1964 1963 1962-61 1960-58 Capri- V8 1986-84 Comet/Me	5.8L 351W 5.8L 351W 5.8L 351W 351, 400 429 Interceptor 400, 429 390, 400, 428, 429 390, 428 All 8 Cylinder 390, 427 390 All 8 Cylinder excludes 292 cid 383, 430 Engines All 8 Cylinder	72645 72645 72645 72605 72605 72605 72605 72605 72600 72600 72600 72600
FORO Bronco - V YEAR 1994-88 1984-83 1982 1972-66 E Series - 1994-91 1990	All 8 Cylinder excludes 429 cid 429 TRUCK (8 Engines ENGINE 5.0L 302 5.8L 351 5.8L 351 5.8L 351 California only All 8 Cylinder V8 Engines 5.0L 302 5.8L 351 5.0L 302 5.8L 351 5.0L 302 5.8L 351 5.0L 302 5.8L 351 5.0L 302 with EEC IV 5.8L 351	72600 72605 PART # 72645 72635 72645 72645 72635 72645 72635 72645 72635 72645 72635	1985 1984 1979 1974-73 1972 1971 1970-69 1968 1967-65 1964 1963 1962-61 1960-58 Capri- V8 1986-84 Comet/Me 1971	5.8L 351W 5.8L 351W 5.8L 351W 351, 400 429 Interceptor 400, 429 390, 400, 428, 429 390, 428 All 8 Cylinder 390, 427 390 All 8 Cylinder excludes 292 cid 383, 430 Engines All 8 Cylinder teor - V8 Engines 302	72645 72645 72605 72605 72605 72605 72605 72605 72600 72600 72600 72600
Bronco - V YEAR 1994-88 1984-83 1982 1972-66 E Series - 1994-91 1990 1989-88	All 8 Cylinder excludes 429 cid 429 TRUCK 18 Engines ENGINE 5.0L 302 5.8L 351 5.8L 351 5.8L 351 California only All 8 Cylinder V8 Engines 5.0L 302 5.8L 351 5.0L 302 5.8L 351 5.0L 302 5.8L 351 5.0L 302 5.8L 351 5.0L 302 with EEC IV 5.8L 351 5.8L 351	72600 72605 PART # 72645 72635 72645 72645 72635 72645 72635 72645 72635 72645 72635 72645	1985 1984 1979 1974-73 1972 1971 1970-69 1968 1967-65 1964 1963 1962-61 1960-58 Capri- V8 1986-84 Comet/Me	5.8L 351W 5.8L 351W 5.8L 351W 351, 400 429 Interceptor 400, 429 390, 400, 428, 429 390, 428 All 8 Cylinder 390, 427 390 All 8 Cylinder excludes 292 cid 383, 430 Engines All 8 Cylinder teor - V8 Engines 302 302	72645 72645 72605 72605 72605 72605 72605 72605 72600 72600 72600 72600 72600 72600 72600
FORO Bronco - N YEAR 1994-88 1984-83 1982 1972-66 E Series - 1994-91 1990 1989-88	All 8 Cylinder excludes 429 cid 429 TRUCK /8 Engines ENGINE 5.0L 302 5.8L 351 5.8L 351 California only All 8 Cylinder V8 Engines 5.0L 302 5.8L 351 5.0L 302 with EEC IV 5.8L 351 with EEC IV 5.8L 351 with EEC IV	72600 72605 PART # 72645 72635 72645 72645 72635 72645 72635 72645 72635 72645 72635 72645 72635 72645	1985 1984 1979 1974-73 1972 1971 1970-69 1968 1967-65 1964 1963 1962-61 1960-58 Capri- V8 1986-84 Comet/Me 1971 1970	5.8L 351W 5.8L 351W 5.8L 351W 351, 400 429 Interceptor 400, 429 390, 400, 428, 429 390, 428 All 8 Cylinder 390, 427 390 All 8 Cylinder excludes 292 cid 383, 430 Engines All 8 Cylinder teor - V8 Engines 302 302 351, 429	72645 72645 72645 72605 72605 72605 72605 72605 72600 72600 72600 72600 72600 72600 72600 72600 72600
FORO Bronco - N YEAR 1994-88 1984-83 1982 1972-66 E Series - 1994-91 1990 1989-88 1987 1986 1985	All 8 Cylinder excludes 429 cid 429 TRUCK /8 Engines ENGINE 5.0L 302 5.8L 351 5.8L 351 California only All 8 Cylinder V8 Engines 5.0L 302 5.8L 351 5.0L 302 5.8L 351 5.0L 302 5.8L 351 5.0L 302 5.8L 351 5.0L 302 with EEC IV 5.8L 351 with EEC IV 5.8L 351 with EEC IV 5.8L 351 with EEC IV	72600 72605 PART # 72645 72635 72645 72645 72635 72645 72645 72645 72645 72645 72645 72645 72645 72645 72645	1985 1984 1979 1974-73 1972 1971 1970-69 1968 1967-65 1964 1963 1962-61 1960-58 Capri- V8 1986-84 Comet/Me 1971	5.8L 351W 5.8L 351W 5.8L 351W 351, 400 429 Interceptor 400, 429 390, 400, 428, 429 390, 428 All 8 Cylinder 390, 427 390 All 8 Cylinder excludes 292 cid 383, 430 Engines All 8 Cylinder tteor - V8 Engines 302 302 351, 429 289, 302	72645 72645 72605 72605 72605 72605 72605 72605 72600 72600 72600 72600 72600 72600 72600 72600 72600
1968-58 FORO Bronco - V YEAR 1994-88 1984-83 1982 1972-66 E Series - 1994-91 1990 1989-88 1987 1986 1985 1984	All 8 Cylinder excludes 429 cid 429 TRUCK /8 Engines ENGINE 5.0L 302 5.8L 351 5.8L 351 California only All 8 Cylinder V8 Engines 5.0L 302 5.8L 351 5.0L 302 5.8L 351 5.0L 302 5.8L 351 5.0L 302 with EEC IV 5.8L 351 with EEC IV	72600 72605 PART # 72645 72635 72645 72645 72635 72645 72635 72645 72635 72645 72645 72645 72645 72645 72645 72645 72645	1985 1984 1979 1974-73 1972 1971 1970-69 1968 1967-65 1964 1963 1962-61 1960-58 Capri- V8 1986-84 Comet/Me 1971 1970	5.8L 351W 5.8L 351W 5.8L 351W 351, 400 429 Interceptor 400, 429 390, 400, 428, 429 390, 428 All 8 Cylinder 390, 427 390 All 8 Cylinder excludes 292 cid 383, 430 Engines All 8 Cylinder teor - V8 Engines 302 302 351, 429 289, 302 390, 427, 428	72645 72645 72605 72605 72605 72605 72605 72600 72600 72600 72600 72600 72600 72600 72600 72600 72600 72600 72600
FORD Bronco - V YEAR 1994-88 1984-83 1982 1972-66 E Series - 1994-91 1990 1989-88 1987 1986 1985 1984	All 8 Cylinder excludes 429 cid 429 TRUCK /8 Engines ENGINE 5.0L 302 5.8L 351 5.8L 351 California only All 8 Cylinder V8 Engines 5.0L 302 5.8L 351 5.0L 302 5.8L 351 5.0L 302 5.8L 351 5.0L 302 5.8L 351 5.0L 302 with EEC IV 5.8L 351 with EEC IV	72600 72605 PART # 72645 72635 72645 72645 72635 72645 72645 72645 72645 72645 72645 72645 72645 72645 72645	1985 1984 1979 1974-73 1972 1971 1970-69 1968 1967-65 1964 1963 1962-61 1960-58 Capri- V8 1986-84 Comet/Me 1971 1970 1969-66	5.8L 351W 5.8L 351W 5.8L 351W 351, 400 429 Interceptor 400, 429 390, 400, 428, 429 390, 428 All 8 Cylinder 390, 427 390 All 8 Cylinder excludes 292 cid 383, 430 Engines All 8 Cylinder teor - V8 Engines 302 302 351, 429 289, 302 390, 427, 428 All 8 Cylinder	72645 72645 72605 72605 72605 72605 72605 72600 72600 72600 72600 72600 72600 72600 72600 72600 72600 72600 72600
1968-58 FORD Bronco - V YEAR 1994-88 1984-83 1982 1972-66 E Series - 1994-91 1990 1989-88 1987 1986 1985 1985 1984 1982 F Series -	All 8 Cylinder excludes 429 cid 429 TRUCK 18 Engines ENGINE 5.0L 302 5.8L 351 5.8L 351 California only All 8 Cylinder V8 Engines 5.0L 302 5.8L 351 5.0L 302 5.8L 351 5.0L 302 5.8L 351 5.0L 302 5.8L 351 5.0L 302 with EEC IV 5.8L 351 with EEC IV	72600 72605 PART # 72645 72645 72645 72645 72635 72645 72635 72645 72645 72645 72645 72645 72645 72645 72645 72645 72645 72645 72645	1985 1984 1979 1974-73 1972 1971 1970-69 1968 1967-65 1964 1963 1962-61 1960-58 <i>Capri- V8</i> 1986-84 <i>Comet/Me</i> 1971 1970 1969-66	5.8L 351W 5.8L 351W 5.8L 351W 351, 400 429 Interceptor 400, 429 390, 400, 428, 429 390, 428 All 8 Cylinder 390, 427 390 All 8 Cylinder excludes 292 cid 383, 430 Engines All 8 Cylinder teor - V8 Engines 302 302 351, 429 289, 302 390, 427, 428 All 8 Cylinder	72645 72645 72605 72605 72605 72605 72600 72600 72600 72600 72600 72600 72600 72600 72600 72600 72600 72600 72600 72600
1968-58 FORD Bronco - V YEAR 1994-88 1984-83 1982 1972-66 E Series - 1994-91 1990 1989-88 1987 1986 1985 1985 1984 1982 F Series -	All 8 Cylinder excludes 429 cid 429 TRUCK 18 Engines ENGINE 5.0L 302 5.8L 351 5.8L 351 California only All 8 Cylinder V8 Engines 5.0L 302 5.8L 351 5.0L 302 5.8L 351 5.0L 302 5.8L 351 5.0L 302 5.8L 351 5.0L 302 with EEC IV 5.8L 351 with EEC IV	72600 72605 PART # 72645 72645 72645 72645 72635 72645 72635 72645 72645 72645 72645 72645 72645 72645 72645 72645 72645 72645 72645	1985 1984 1979 1974-73 1972 1971 1970-69 1968 1967-65 1964 1963 1962-61 1960-58 Capri- V8 1986-84 Comet/Me 1971 1970 1969-66 1965-62 Cougar - V 1993-91	5.8L 351W 5.8L 351W 5.8L 351W 351, 400 429 Interceptor 400, 429 390, 400, 428, 429 390, 428 All 8 Cylinder 390, 427 390 All 8 Cylinder excludes 292 cid 383, 430 Engines All 8 Cylinder teor - V8 Engines 302 302 351, 429 289, 302 390, 427, 428 All 8 Cylinder	72645 72645 72605 72605 72605 72605 72600 72600 72600 72600 72600 72600 72600 72600 72600 72600 72600 72600 72600 72600 72600 72605 72600 72600
FORD Bronco - V YEAR 1994-88 1984-83 1982 1972-66 E Series - 1994-91 1990 1989-88 1987 1986 1985 1985 1984 1982 F Series -	All 8 Cylinder excludes 429 cid 429 TRUCK /8 Engines ENGINE 5.0L 302 5.8L 351 5.8L 351 California only All 8 Cylinder V8 Engines 5.0L 302 5.8L 351 5.0L 302 5.8L 351 5.0L 302 5.8L 351 5.0L 302 5.8L 351 5.0L 302 with EEC IV 5.8L 351 with EEC IV	72600 72605 PART # 72645 72645 72645 72645 72635 72645 72635 72645 72645 72645 72645 72645 72645 72645 72645 72645 72645 72645 72645	1985 1984 1979 1974-73 1972 1971 1970-69 1968 1967-65 1964 1963 1962-61 1960-58 <i>Capri- V8</i> 1986-84 <i>Comet/Me</i> 1971 1970 1969-66	5.8L 351W 5.8L 351W 5.8L 351W 351, 400 429 Interceptor 400, 429 390, 400, 428, 429 390, 428 All 8 Cylinder 390, 427 390 All 8 Cylinder excludes 292 cid 383, 430 Engines All 8 Cylinder teor - V8 Engines 302 302 351, 429 289, 302 390, 427, 428 All 8 Cylinder	72645 72645 72645 72605 72605 72605 72605 72605 72600 72600 72600 72600 72600 72605 72600 72605 72600 72605 72605 72605 72605 72605 72605 72605 72605
1968-58 FORD Bronco - V YEAR 1994-88 1984-83 1982 1972-66 E Series - 1994-91 1989-88 1987 1986 1985 1984 1982 F Series - 1994-91	All 8 Cylinder excludes 429 cid 429 TRUCK /8 Engines ENGINE 5.0L 302 5.8L 351 5.8L 351 5.8L 351 California only All 8 Cylinder V8 Engines 5.0L 302 5.8L 351 5.0L 302 5.8L 351 5.0L 302 5.8L 351 5.0L 302 with EEC IV 5.8L 351 with EEC IV	72600 72605 PART # 72645 72645 72645 72645 72645 72635 72645 72645 72645 72645 72645 72645 72645 72645 72645 72645 72645 72645 72645 72645 72645 72645 72645	1985 1984 1979 1974-73 1972 1971 1970-69 1968 1967-65 1964 1963 1962-61 1960-58 Capri- V8 1986-84 Comet/Me 1971 1970 1969-66 1965-62 Cougar - V 1993-91	5.8L 351W 5.8L 351W 5.8L 351W 351, 400 429 Interceptor 400, 429 390, 400, 428, 429 390, 428 All 8 Cylinder 390, 427 390 All 8 Cylinder excludes 292 cid 383, 430 Engines All 8 Cylinder ### Teor - V8 Engines 302 302 351, 429 289, 302 390, 427, 428 All 8 Cylinder ### Teor - V8 Engines 5.0L 302	72645 72645 72605 72605 72605 72605 72600 72600 72600 72600 72600 72600 72600 72600 72600 72600 72600 72600 72600 72600 72600 72605 72600 72600
1968-58 FORD Bronco - V YEAR 1994-88 1984-83 1982 1972-66 E Series - 1994-91 1989-88 1987 1986 1987 1986 1985 1984 1982 F Series - 1994-91	All 8 Cylinder excludes 429 cid 429 TRUCK /8 Engines ENGINE 5.0L 302 5.8L 351 5.8L 351 California only All 8 Cylinder V8 Engines 5.0L 302 5.8L 351 5.0L 302 5.8L 351 5.0L 302 5.8L 351 5.0L 302 5.8L 351 5.0L 302 with EEC IV 5.8L 351 with EEC IV	72600 72605 PART # 72645 72645 72645 72645 72635 72645 72635 72645 72645 72645 72645 72645 72645 72645 72645 72645 72645 72645 72645 72645 72645 72645	1985 1984 1979 1974-73 1972 1971 1970-69 1968 1967-65 1964 1963 1962-61 1960-58 <i>Capri- V8</i> 1986-84 <i>Comet/Me</i> 1971 1970 1969-66 1965-62 <i>Cougar - V</i> 1993-91 1974	5.8L 351W 5.8L 351W 5.8L 351W 351, 400 429 Interceptor 400, 429 390, 400, 428, 429 390, 428 All 8 Cylinder 390, 427 390 All 8 Cylinder excludes 292 cid 383, 430 Engines All 8 Cylinder teor - V8 Engines 302 302 351, 429 289, 302 390, 427, 428 All 8 Cylinder (8 Engines 5.0L 302 351, 400	72645 72645 72645 72605 72605 72605 72605 72605 72600 72600 72600 72600 72600 72605 72600 72605 72600 72605 72605 72605 72605 72605 72605 72605 72605
1968-58 FORD Bronco - L YEAR 1994-88 1982-88 1972-66 E Series - 1994-91 1989-88 1987 1986 1985 1984 1982 F Series - 1994-91	All 8 Cylinder excludes 429 cid 429 TRUCK /8 Engines ENGINE 5.0L 302 5.8L 351 5.8L 351 5.8L 351 California only All 8 Cylinder V8 Engines 5.0L 302 5.8L 351 5.0L 302 5.8L 351 5.0L 302 5.8L 351 5.0L 302 with EEC IV 5.8L 351 with EEC IV	72600 72605 PART # 72645 72645 72645 72645 72645 72635 72645 72645 72645 72645 72645 72645 72645 72645 72645 72645 72645 72645 72645 72645 72645 72645 72645	1985 1984 1979 1974-73 1972 1971 1970-69 1968 1967-65 1964 1963 1962-61 1960-58 <i>Capri- V8</i> 1986-84 <i>Comet/Me</i> 1971 1970 1969-66 1965-62 <i>Cougar - V</i> 1993-91 1974 1973-70	5.8L 351W 5.8L 351W 5.8L 351W 351, 400 429 Interceptor 400, 429 390, 400, 428, 429 390, 428 All 8 Cylinder 390, 427 390 All 8 Cylinder excludes 292 cid 383, 430 Engines All 8 Cylinder teor - V8 Engines 302 302 351, 429 289, 302 390, 427, 428 All 8 Cylinder (8 Engines 5.0L 302 351, 400 All 8 Cylinder	72645 72645 72645 72605 72605 72605 72605 72605 72600 72600 72600 72600 72600 72605 72600 72605 72605 72605 72605 72605 72605 72605 72605 72605 72605 72605
1968-58 FORD Bronco - L YEAR 1994-88 1982-88 1972-66 E Series - 1994-91 1990 1989-88 1987 1986 1985 1984 1982 F Series - 1994-91	All 8 Cylinder excludes 429 cid 429 TRUCK 8 Engines ENGINE 5.0L 302 5.8L 351 5.8L 351 5.8L 351 California only All 8 Cylinder V8 Engines 5.0L 302 5.8L 351 5.0L 302 5.8L 351 5.0L 302 5.8L 351 5.0L 302 with EEC IV 5.8L 351 5.0L 302 5.8L 351 5.0L 302 with EEC IV 5.8L 351	72600 72605 PART # 72645 72645 72645 72645 72645 72635 72645 72645 72645 72645 72645 72645 72645 72645 72645 72645 72645 72645 72645 72645 72645 72645 72645 72645 72645	1985 1984 1979 1974-73 1972 1971 1970-69 1968 1967-65 1964 1963 1962-61 1960-58 <i>Capri- V8</i> 1986-84 <i>Comet/Me</i> 1971 1970 1969-66 1965-62 <i>Cougar - V</i> 1993-91 1974 1973-70	5.8L 351W 5.8L 351W 5.8L 351W 351, 400 429 Interceptor 400, 429 390, 400, 428, 429 390, 428 All 8 Cylinder 390, 427 390 All 8 Cylinder excludes 292 cid 383, 430 Engines All 8 Cylinder recor - V8 Engines 302 302 351, 429 289, 302 390, 427, 428 All 8 Cylinder (8 Engines 5.0L 302 351, 400 All 8 Cylinder 302	72645 72645 72645 72605 72605 72605 72605 72605 72600 72600 72600 72600 72600 72600 72605 72605 72605 72605 72605 72605 72605 72605 72605 72605 72605 72605 72605 72605 72605 72605
FORO Bronco - V YEAR 1994-88 1984-83 1982 1972-66 E Series - 1994-91 1990 1989-88 1987 1986 1985 1984 1982	All 8 Cylinder excludes 429 cid 429 TRUCK 8 Engines ENGINE 5.0L 302 5.8L 351 5.8L 351 5.8L 351 California only All 8 Cylinder V8 Engines 5.0L 302 5.8L 351 5.0L 302 5.8L 351 5.0L 302 5.8L 351 5.0L 302 5.8L 351 5.0L 302 with EEC IV 5.8L 351 5.0L 302 with EEC IV 5.8L 351 5.0L 302 with EEC IV	72600 72605 PART # 72645 72645 72645 72645 72645 72635 72645	1985 1984 1979 1974-73 1972 1971 1970-69 1968 1967-65 1964 1963 1962-61 1960-58 <i>Capri- V8</i> 1986-84 <i>Comet/Me</i> 1971 1970 1969-66 1965-62 <i>Cougar - V</i> 1993-91 1974 1973-70 1969-68	5.8L 351W 5.8L 351W 5.8L 351W 351, 400 429 Interceptor 400, 429 390, 400, 428, 429 390, 428 All 8 Cylinder 390, 427 390 All 8 Cylinder excludes 292 cid 383, 430 Engines All 8 Cylinder teor - V8 Engines 302 302 351, 429 289, 302 390, 427, 428 All 8 Cylinder (8 Engines 5.0L 302 351, 400 All 8 Cylinder 302 351, 390, 427, 428	72645 72645 72645 72605 72605 72605 72605 72600 72600 72600 72600 72600 72600 72600 72605 72605 72605 72600 72605 72605 72605 72605 72605 72605 72605 72605 72605 72605

MERCURY, CONTINUED

Montego - V8 Engines								
YEAR	ENGINE	PART #						
1974-73	351, 400	72605						
1972-70	302	72600						
	351, 400	72605						
1969-68	302	72600						
	351, 390, 427, 428	72605						
Marquis - V8 Engines								
1985-84	5.0L 302	72645						

OLDSMOBILE

Full Size Dela	ta 88/98/Toronado - V8 Engines	
YEAR	ENGINE	PART #
1991	5.0L (E) Custom Cruiser	72538
1990-86	5.0L 307(9)(Y) Custom Cruiser	72565
1985-84	5.0L 307(9)(Y)	72565
1983	4.3L 260, 5.0L 307(Y)	72565
1982-81	4.3L 260, 5.0L 307(Y), 5.7 350	72565
	4.4L 267	72520
1980	4.3L 260, 5.0L 307(Y), 5.7 350	72565
1979	260, 5.0L 307(Y), 5.7 350	72565
	4.9L 301	72570
1978-74	260, 350, 403 with HEI	72565
1974-65	All 8 Cylinder without HEI	72650
Cutlass F85/	442 V8 Engines	
1988-87	5.0L 307 (Y) (9)	72565
1986-85	5.0L 305 (H)	72520
	5.0L 307 (Y) (9)	72565
1984-83	5.0L 305 (H)	72520
	4.3L 260, 5.0L 307 (Y)	72565
1982-81	4.3L 260, 5.0L 307 (Y), 5.7 350	72565
1980-79	260, 350	72565
1978	260, 350	72565
	305	72523
1977	260, 350 (R), 403	72565
	301	72570
	305, 350 (L)	72521
1976-74	260, 350, 403 with HEI	72565
1974-65	330, 350, 400, 455 without HEI	72650
Omega - V8 I	Engines	
1979-77	305, 350 (L)	72522
1976-75	260	72565
	350	72560
1974-73	350	72565
DILLARO	11711	

PLYMOUTH

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YEAR	ENGINE	PART #
1989-79	5.2L 318, 5.9L 360	72650
1978-73	318, 340, 360	72650
	400, 440	72655
1972-62	273, 318, 340, 360	72650
	361, 383, 400, 440	72656
1961-60	318	72650

PONTIAC

Bonneville/Catalina/Parisienne - V8 Engines

YEAR	ENGINE	PART #
1989-88	5.0L 307 (Y)	72565
1987	5.0L 307 (Y)	72565
1986	5.0L 305 (H), 5.7L 350 (6)	72520
	5.0L 307 (Y)	72565

PONTIAC, CONTINUED

	FIGURE	DART "
YEAR	ENGINE	PART #
1000 70	5.0L 307	72565
1980-79	265, 301	72570
	307, 350 (R), 403	72565
1070 77	350 (X)	72560
1978-77	301, 350 (P), 400	72570
1070 74	350 (R), 403	72565
1976-74	350, 400, 455 with HEI	72570
1974-68	350, 400, 455 without HEI	72550
	ans Am - V8 Engines	70505
2000-98	5.7L 350 LS-1	72535
1997-96	5.7L 350 LT-1	72527
1995-93	5.7L 350 LT-1	72526
1992-88	5.0L 305, 5.7L 350	72538
1987	5.0L 305	72538
1004.00	5.7L 350	72525
1984-83	5.0L 305	72520
1982	5.0L 305 with 4-Barrel Carburetor	72520
1981	4.9L 301 excludes Turbo	72570
1980-78	301, 400	72570
	305, 350 (L) excludes California	72522
1077	403	72565
1977	301, 350 (P), 400	72570
1070 74	350 (R), 403	72565
1976-74	350, 400, 455 with HEI	72570
1974-67	All 8 Cylinder without HEI	72550
	- V8 Engines	
1982-81	4.4L 267, 5.0L 305	72520
1977	301, 350 (P), 400	72570
	350 (R), 403	72565
1976-74	350, 400, 455 with HEI	72570
1974-62	All 8 Cylinder without HEI	72550
<i>Phoenix -</i> I		
1979-77	305, 350 (L)	72522
Tempest/L	emans/GTO - V8 Engines	
1981	4.4L 265, 4.9L 301	72570
1980	4.4L 265, 4.9L 301	72570
1979	301	72570
1978	301	72570
	305, 350 (L)	72523
1977-74	All 8 Cylinder with HEI	72570
1974-64	All 8 Cylinder without HEI	72550
Ventura - V	/8 Engines	
1977	301	72570
	350 (R)	72565
	305, 350 (L)	72521
1976-74	260 with HEI	72565
	350 with HEI	72570
1974-71	All 8 Cylinder without HEI	72550

BUYER'S GUIDE FOR BLUE MAXTM SPIRAL CORE CUSTOM FIT WIRE SETS

PART #	SPARK PLUG WIRE LENGTHS (INCHES) Cylinder #						S (IN	CHES)	SPARK PLUG BOOTS	HEI OR NON-HEI	COIL WIRE LENGTH (INCHES)
	1	2	3	4	5	6	7	8			
72535	8	8	8	8	8	8	8	8	STR.	NA	N/A
72500	28	28	32	32	45	49	49	49	90°	Non-HEI	10
72510	26	26	28	30	34	34	38	38	90°	HEI	15
72520	20	28	36	36	40	40	40	44	90°	HEI	N/A
72521	22	22	22	26	32	32	32	40	90°	HEI	10
72522	22	22	22	22	26	32	32	40	90°	HEI	N/A
72523	20	32	36	36	40	40	40	44	90° & STR.	HEI	N/A
72524	25	23	25	23	33	34	33	34	90°	HEI	16
72525	26	26	26	28	32	40	44	44	90° & STR.	HEI	N/A
72526	15	19	18	21	23	27	38	32	90°	HEI	12
72527	16	18	18	21	23	28	36	32	90°	HEI	10
72528	22	22	28	28	36	36	36	36	STR.	HEI	N/A
72529	13	15	15	17	19	23	25	35	90°	HEI	9, 11
72530	26	28	28	28	28	32	36	40	STR.	HEI	N/A
72538	22	28	32	32	32	32	36	40	90° & STR.	HEI	8
72540	26	26	26	32	32	36	40	40	90°	HEI	10
72542	26	28	32	32	32	36	40	40	STR.	HEI	10
72550	26	26	28	28	32	32	34	38	STR.	Non-HEI	12
72560	26	27	29	30	30	32	35	37	STR.	HEI	N/A
72561	22	26	28	28	44	48	56	56	90°	HEI	N/A
72565	22	22	24	24	28	36	40	40	STR.	HEI	N/A
72570	18	20	22	26	28	28	36	40	135° & STR.	HEI	N/A
72600	28	28	28	28	28	31	31	34	STR.	Non-HEI	17-1/2
72605	28	28	28	28	31	31	31	34	STR.	Non-HEI	18
72635	18	19	22	22	24	29	30	30	135°	Non-HEI	17
72645	20	20	21	25	28	31	32	32	135°	Non-HEI	18, 23
72650	22	24	24	28	28	28	30	34	STR.	Non-HEI	12
72655	19	26	32	38	44	48	52	55	90°	Non-HEI	9
72656	16	26	32	32	32	36	38	52	90°	Non-HEI	10
72660	22	27	33	46	56	41	51	56	90° & STR.	Non-HEI	15

BLUE MAX™ SPIRAL CORE WIRE SETS - SPORT COMPACT

- Every wire is cut to the correct length and factory terminated at each end with locking, corrosion resistant steel terminals
- •Terminals are protected by hightemperature OEM style silicone boots, bonded to the wire to seal out moisture, fuel and oil
- Includes color matched high-temperature plastic wire separators where necessary to keep wires evenly spaced



ACURA			
YEAR	MODEL	BLUE	RED
1998-94	Integra VTEC	72674	72682
1998-90	Integra (excl VTEC)	72673	72680
HONDA			
YEAR	MODEL	BLUE	RED
1995-90	Accord DX, LX	72673	72680
1995-92	Civic CX, DX, LX	72674	72682
1991-88	Civic, CRX	72674	72682
1998-94	Civic/Del Sol VTEC	72674	72682
2000-99	Civic Si	72674	72682
1995-92	Prelude	72673	72680

BUYER'S GUIDE FOR BLUE MAX' SPIRAL CORE SPORT COMPACT WIRE SETS

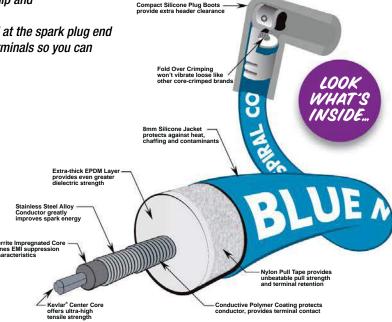
PART	SPARK PLUG WIRE LENGTHS Cylinder #						SPARK PLUG	COIL WIRE LENGTH
#	1	2	3	4	5	6	B00T	(inches)
72673	33	28	26	20	N/A	N/A	OEM style	14
72674	32	30	24	21	N/A	N/A	OEM style	N/A
72680	33	28	26	20	N/A	N/A	OEM style	14
72682	32	30	24	21	N/A	N/A	OEM style	N/A

BLUE MAX™ SOLID CORE WIRE SETS

SOLID CORE PERFORMANCE!

Blue Max[™] Solid Core combines state-of-the-art engineering with the finest workmanship and quality control available!

Our Solid Core Sets are pre-terminated at the spark plug end and include enough wire, boots and terminals so you can complete the distributor/magneto end.





- Super High-Performance Wire for Racing Only
- Engineered for magneto and other ignitions that do not require electromagnetic interference (EMI) suppression
- Combination silver-plated copper and stainless steel "solid core" provides maximum conductivity and strength
- Each wire individually tested for continuity after termination to ensure raceready performance

ENGINEERED FOR MAXIMUM SPARK ENERGY!

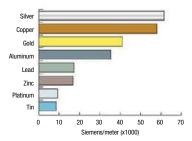
Stainless Steel Copper Structural Steel Cast Iron Aluminum 0 10 20 30 40 50 60 70 80 90 100

High Tensile

Strength!

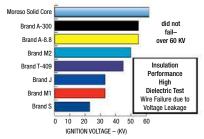
Central core of corrosion-resistant stainless steel provides high strength to eliminate wire breakage.

Highest Conductivity!



Silver plated, low-oxygen copper provides maximum conductivity for peak spark energy.

Highest Dielectric Strength!



Premium silicone jacket over special EPDM (Ethylene Propylene Diene Monomer) for best insulation performance.

BLUE MAX™ SOLID CORE WIRE SETS

BLUE MAXTM SOLID CORE UNIVERSAL FIT WIRE SETS

- Pre-terminated at the plug end with either straight or 90° boots
- Sets contain both HEI and Non-HEI terminals and boots to terminate-your-own distributor/magneto wire ends
- Sets can also be used in part for 2-, 4- and 6-cylinder applications
- For a professional installation use with Moroso insulating Sleeve Nos. 72000, 72002 or 72004 Shrink Sleeve Nos. 72030 or 72031, Spark Plug looms and wire separators



No. 72820

BUYER'S GUIDE FOR BLUE MAXTM SOLID CORE UNIVERSAL WIRE SETS

SPARK PLUG WIRE LENGTHS CYLINDER #					SPARK	COIL Wire	8 CYLINDER APPLICATIONS							
PART #	1	2	3	4	5	6	7	8	PLUG BOOT	LENGTH (inches)	PART #	PLUG TERM'S/BOOTS	DIST. TERM'S/BOOTS	WIRE COLOR
72800*	35	35	39	39	46	50	53	53	STR.	36	72800*	Straight	HEI & Non-HEI	Blue
72820*	35	35	39	39	46	50	53	53	90°	36	72820*	90°	HEI & Non-HEI	Blue

BLUE MAXTM SOLID CORE COIL WIRE KIT

8mm

- Kit contains all the parts necessary to make a coil wire fit virtually all popular coils and distributor cap combinations
- Includes 3 feet of Blue Max[™] Solid Core Wire, terminals and boots

PART # DESCRIPTION

72855* Solid Core Coil Wire Kit Wire Looms and Wire Separators



No. 72855

BLUE MAXTM SOLID CORE WIRE SPOOL

8mm

PART # DESCRIPTION

72830* Solid Core Wire Spool, 8mm, 100 ft



No. 72830

*Not legal for sale or use on Street vehicles per F.C.C. regulations

LOOKING FOR CUSTOM IGNITION WIRE?

Moroso can custom manufacture ignition wire to your unique specifications and imprint sleeve with your company logo! A Technical Representative is available to discuss options, colors and pricing for your custom wire.

BLUE MAX™ WIRE ACCESSORIES

BLUE MAXTM SPARK PLUG BOOT & TERMINAL KITS

- Manufactured from high temperature silicone
- Blue MaxTM 8mm boots are available in straight, 90° and 135° ends
- Comes in sets of 8 with positive, locking spark plug terminals

PART # DESCRIPTION

72060 Spark Plug Wire Boot & Terminal Kit, Straight Ends 72070 Spark Plug Wire Boot & Terminal Kit, 90° Ends Spark Plug Wire Boot & Terminal Kit, 135° Ends 72075



No. 72075

BLUE MAXTM DISTRIBUTOR BOOT & TERMINAL KIT

Fits: Moroso, Ford, MSD Distributors and others

- High dielectric strength EPDM provides excellent insulation
- Stainless HEI terminals provide maximum corrosion resistance, high conductivity
- Positive, locking HEI terminals won't fall off under racing conditions

DESCRIPTION PART #

72040 HEI Distributor Boot Kit, 8mm. Includes 9 Boots & Terminals



No. 72040



SELF-VULCANIZING TAPE. BLACK

- High dielectric strength, high-temperature silicone tape wraps around ignition wire, boots and connectors to provide added insulation
- Extra insulation keeps spark energy contained within the wire, preventing high-voltage leaks and resulting misfire
- Also seals out moisture, while protecting the wire from the harmful effects of oil and excessive heat
- Specially formulated silicone rubber vulcanizes automatically, providing adhesion when tape surfaces make contact
- An excellent alternative to applying shrink sleeves and insulated wire sleeving
- One-inch wide tape packaged in 12-foot rolls

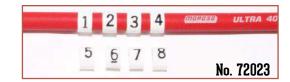
PART # **DESCRIPTION**

72038 Self-Vulcanizing Tape, Black

SPARK PLUG MARKERS

- Fits 8mm -8.65mm only
- · Plastic, clip-on style
- 8 per package

PART # DESCRIPTION 72023 Spark Plug Markers





WIRE CRIMPING TOOLS

 Must have tools to crimp a variety of spark plug terminals and other automotive wire hardware

PART # DESCRIPTION

62260 General Purpose Wire Crimper. Made of high carbon steel with black oxide finish and plastic hand grips

oxide finish and plastic hand grips
62268 Super-Duty Wire Crimping Tool, Posit

Super-Duty Wire Crimping Tool. Positive ratcheting mechanism adjusted for perfect crimps. Supplied with crimping jaws for Moroso (and other) spark plug wire terminals. Hardened steel frame with Blue molded cushion grips. Also comes with additional standard wire crimping jaws for electrical insulated terminals.



ENHANCED IGNITION WIRE STRIPPING TOOL

Made especially for stripping 8mm & 8.65mm Moroso Ignition Wire and others

- An easy way to strip wire without damage, which is more likely to occur using other methods
- Simple and efficient operation: place the end of the wire in the "mouth" of the tool, twist in a circular pattern until the cut is made around the wire, then pull off sheath
- Heavy-duty construction and quality components provide reliable operation after repeated use
- After using this Enhanced Stripping Tool, you will never go back to using manual strippers for assembling wire sets again

PART # DESCRIPTION

62272 Enhanced Ignition Wire Stripping Tool, for 8mm & 8.65mm diameter wire









ADJUSTABLE WIRE STRIPPING TOOL

- Will strip the outer jacket and insulation in one easy operation giving a cleaner precise cut
- For stripping different diameters of cable, use the built in hex key adjuster screws to align the blade for desired results
- The V-Block can be reversed and the indication arrow set to recommended cable size
- The stripper distance can be changed by removing one of the stripping blades

PART # DESCRIPTION

62271 Adjustable Wire Stripping Tool

MOROSO

No. 62271

WIRE STRIPPING TOOL

- Ideal for stripping 8mm Moroso ignition wire without damaging the conductor
- Damage to conductor during stripping can cause interruption of spark and misfire
- Moroso's specially-designed tool uses a hard-edge, razor-sharp blade specially
 positioned in a plastic holder to cut only the insulation not the conductor

PART # DESCRIPTION

62270 Wire Stripping Tool, 8mm





No. 62270

INSULATED WIRE SLEEVE

- Available in Black, Blue and Red
- Closely woven fiberglass impregnated with high voltage, leak resistant silicone which adds up to 8,000 volts of extra insulation
- Extend spark plug wire life by adding insulation against exhaust header heat

 For best results, we recommend that the sleeve cover the full length of wire from spark plug boot to distributor boot and sealed with Shrink Sleeve No. 72030 or No. 72031

• Nos. 72000, 72002, 72004 fits 7 & 8mm wire; Nos. 72011, 72012, 72013 fits 8.65mm Ultra 40 Wire

· Packaged in 25' lengths

	=
PART #	DESCRIPTION
72000	Insulated Spark Plug Wire Sleeve, Blue
72002	Insulated Spark Plug Wire Sleeve, Red
72004	Insulated Spark Plug Wire Sleeve, Black
72011	Ultra 40 Insulated Spark Plug Wire Sleeve, Blue
72012	Ultra 40 Insulated Spark Plug Wire Sleeve, Black
72013	Ultra 40 Insulated Spark Plug Wire Sleeve, Red





No. 72011 No. 72012 No. 72013



NUMBERED SHRINK SLEEVES

- Simplifies spark plug wire identification and installation
- Pre-numbered from 1 through 8; sets include two sleeves of each number to identify both ends of each spark plug wire

PART # DESCRIPTION

72020 Numbered Shrink Sleeves



No. 72020

NOTE: Use No. 72030 or 72031 Shrink Sleeves to complete the seal between boots and spark plug wire at ends.

MOROSO SHRINK SLEEVES

- Insures a complete seal between spark plug, distributor boots, and spark plug wire sleeve Nos. 72000, 72002, 72004, 72011, 72012 or 72013
- Packaged 18 shrink sleeves to a set

PART # DESCRIPTION

72030 Moroso Shrink Sleeve, Blue72031 Moroso Shrink Sleeve, Black

No. 72031



HIGH-TEMPERATURE BOOT SLEEVES

- Have "Dual Wall" construction, which assures protection from spark plug and ignition wire burnout
- Protects up to 1200 Deg. F.
- · Wires and Boots stay cooler in exhaust area
- Porous/breathable to reduce "Oven Effect"
- Non-flammable, will not react with petroleum based products
- 1" I.D., 5-1/2" Long
- Expands and stretches over regular surfaces, will work with 135 Deg. and 90 Deg. Spark Plug Boots
- Sold in pairs

PART #	DESCRIPTION
71992	High-Temperature Boot Sleeves, Blue
71993	High-Temperature Boot Sleeves, Red
71994	High-Temperature Boot Sleeves, Black
71995	High-Temperature Boot Sleeves, Natural



UNIVERSAL LOOM KITS

- Includes four 2-hole looms, two 3-hole looms, and four chrome plated brackets which secure to valve cover bolts
- One kit per engine

DESCRIPTION
Universal Loom Kit, Blue, 7-9mm
Universal Loom Kit, Red, 7-9mm
Universal Loom Kit, Yellow, 7-9mm
Universal Loom Kit, Black, 7-9mm





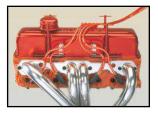


SHOW CAR LOOM KITS

- Includes eight 2-hole looms, two 4-hole separators, and four chrome plated brackets which secure to valve cover bolts
- One kit per engine

PART #	DESCRIPTION
72170	Show Car Loom Kit, Blue., 7-9mm
72168	Show Car Loom Kit, Red, 7-9mm
72169	Show Car Loom Kit, Yellow, 7-9mm
72167	Show Car Loom Kit, Black, 7-9mm





BIG BLOCK CHEVY LOOM KITS

 Includes four right-side and four left-side chrome plated brackets, two 1-hole looms, two 2-hole looms, two 3-hole looms, two 4-hole looms, two 4-hole separators, and

two 2-hole separators

One kit per engine

PART # DESCRIPTION

72175 Big Block Chevy Loom Kit, Blue, 7-9mm
72176 Big Block Chevy Loom Kit, Red, 7-9mm
72177 Big Block Chevy Loom Kit, Yellow, 7-9mm
72178 Big Block Chevy Loom Kit, Black, 7-9mm





No. 72175

SUPER LOOM KITS

- Includes two right-side and two left-side chrome plated brackets for mounting on the valve covers, two 4-hole wire looms, six 2-hole looms, two 4-hole wire separators, and two 2-hole separators.
- One kit per engine

PART #	DESCRIPTION	
72171	Super Loom Kit, Blue, 7-9mm	
72172	Super Loom Kit, Red, 7-9mm	Ī
72173	Super Loom Kit, Yellow, 7-9mm	
72174	Super Loom Kit, Black, 7-9mm	



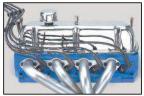


No. 72173

SMALL BLOCK FORD LOOM KITS

- Includes: three 4-hole wire looms, one 3-hole wire loom, one 2-hole wire loom, one 1-hole wire loom, two 4-hole wire separators, one 3-hole wire separator, one 2-hole wire separator, and six chrome plated brackets
- One kit per engine

PART #	DESCRIPTION
72130	Ford Loom Kit, Blue, 7-9mm
72131	Ford Loom Kit, Red, 7-9mm
72132	Ford Loom Kit, Yellow, 7-9mm
72133	Ford Loom Kit, Black, 7-9mm





No. 72133

SMALL BLOCK CHEVY CENTERBOLT LOOM KITS

- Includes two right-side and two left-side chrome plated brackets that mount to engine, two 4-hole wire looms, six 2-hole looms, two 4-hole wire separators, and two 2-hole separators
- One kit per engine

DESCRIPTION
Small Block Chevy Centerbolt
Loom Kit, Blue, 7-9mm
Small Block Chevy Centerbolt
Loom Kit, Red, 7-9mm
Small Block Chevy Centerbolt
Loom Kit, Yellow, 7-9mm
Small Block Chevy Centerbolt

Loom Kit, Black, 7-9mm





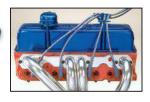
No. 72140

FOUR HOLE SPARK PLUG WIRE LOOM KITS

- Includes two chrome plated brackets and two 4-hole looms
- One kit per engine

PART #	DESCRIPTION
72180	Four Hole Loom Kit, Blue, 7-9mm
72181	Four Hole Loom Kit, Red, 7-9mm
72182	Four Hole Loom Kit, Yellow, 7-9mm
72183	Four Hole Loom Kit, Black, 7-9mm





No. 72180

HIGH-TEMP UNDER HEADER LOOM KIT

 Designed for routing wires under headers on old and new style Small Block Chevy engines

 Includes four chrome plated brackets, two 4-hole looms, two 2-hole looms, two 4-hole separators, two 3-hole separators, two 2-hole separators and mounting bolts

• One kit per engine

PART # DESCRIPTION

72195 Under Header Loom Kit, Black, 7-9mm



No. 72195

REPLACEMENT WIRE LOOMS

- Direct replacement looms 7-9mm used in Moroso Loom Kits, also fits other brands' loom brackets
- · High-temperature injection molded polyester for extended durability
- Not for use with Part No. 72195
- Packaged two per card

PART #	DESCRIPTION
97830	Wire Loom, 2-Hole, Blue, 7-9mm
97832	Wire Loom, 4-Hole, Blue, 7-9mm
97833	Wire Loom, 2-Hole, Red, 7-9mm
97835	Wire Loom, 4-Hole, Red, 7-9mm



No. 97833



No. 97830

TECH TIP

LOOM KITS

Triple-process chrome plated brackets with high-temperature plastic separators keep plug wires away from exhaust manifolds, headers and other trouble spots. Prevents ignition crossfire by keeping wires evenly spaced. Available with Blue, Red, Yellow and Black looms/separators to give your engine a neat and orderly look.

SPARK PLUG WIRE SEPARATORS

- Protect against heat damage by preventing contact with hot engine components
- Prevent crossfiring by firmly holding plug wires away from one another
- тоново





No. 72163

- Can be used for routing wires over valve covers or under headers
- Wires "snap" into place with slight pressure
- Sets include two 2-hole separators, two 3-hole separators and two 4-hole separators
- · Available in Blue, Red, Yellow and Black

PART #	DESCRIPTION
72160	Spark Plug Wire Separators, Blue, 7-9mm
72161	Spark Plug Wire Separators, Red, 7-9mm
72162	Spark Plug Wire Separators, Yellow, 7-9mm
72163	Spark Plug Wire Separators, Black, 7-9mm
73160	Spark Plug Wire Separators, Blue, 11mm or sleeved wire
73163	Spark Plug Wire Separators, Black, 11mm or sleeved wire

WIRE SEPARATOR KIT, 2 EACH OF 2, 3 & 4 SEPARATORS, BLACK

Fits: up to 8.65mm Non-Sleeved Ignition Wire

- Separators are constructed out of plastic and are a split design with center retaining hardware
- Kit includes an Allen Wrench
- Two kits would be needed for a typical SBC V-8 engine

PART # DESCRIPTION

72166 Wire Separator Kit, 2 each of 2, 3, & 4 hole separators including allen wrench



No. 72166

MOROSO'S PREMIER CIRCLE TRACK DISTRIBUTORS

OUR BEST SPEAKS FOR ITSELF!

In most catalogs, a manufacturer will showcase their top-of-the-line product, whether sold in larger numbers or not. Unfortunately, we can't show you our **Premier Circle Track Distributors** because of proprietary agreements.

We can tell you how extaordinarily well our distributors perform—in Circle Track's top racing series—by both the leader and the majority of the top ten series cars. In addition to racing, Moroso distributors are also utilized on one of the largest fleet of delivery vehicles in the United States.

Even though you might not be racing 500 miles or picking up 500 packages a day, Moroso's line of distributors give our customers the same performance, quality and reliability that racing and industry leaders have come to depend on.

DISTRIBUTOR REPLACEMENT PARTS

Refer to chart below for specific replacement parts for your distributor model.

		MC	DEL OF DISTRIBUTOR		
			MOROSO		
		MOROSO	DURABILLET	JESEL®	CRANE
	MOROSO	PREMIER	ONE-PIECE	FRONT	PR0
DESCRIPTION	MULTIPHASE	BLUE BELL	BLACK HOUSING	DRIVES	SERIES
Сар	97852	97852	97855	97855	97855
Cap, Non Wire Retainer	97850	97850	97856	97856	97856
Rotor	97848	97848	97848	97860	97849
Adapter Ring	97851	97851	97854	97861	97854
Wire Retainer	97853	97853	97853	97853	97853
Moroso Race Pickup 11"	97862	97862	97862	N/A	N/A

DURAFIRE DISTRIBUTORS



Now there's no need to build your own high-output distributor that you can tune for non-computerized HEI Chevy V8's. The ignition experts at Moroso have done it for you! Moroso's **DuraFire Distributor** come equipped with everything needed to customize the ignition timing curve for your particular street/strip application. They feature several high-output components including Moroso's **ProCoil** that provides more complete combustion for easier starts, smoother idle, improved acceleration and more horsepower!

Included: High-Output Module, Mechanical Advance Curve Kit, HEI Cap & Rotor. High-Output ProCoil & Cover

- Improved weight and advance cam pin retention by TIG welding the pin backside to prevent them from coming loose
- Upgraded strength of the plastic wire harness plug so that the two lock tabs do not break off when unplugging the harness from the distributor cap.

PART # DESCRIPTION

72231 DuraFire Distributor, GM HEI, V8, w/out Vacuum Advance

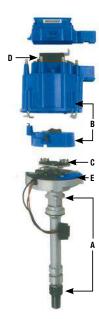
PART# REPLACEMENT PARTS

97857,97858, **97859** Distributor Repl, Parts (see pg.335-336) 72355 ProCoil Ignition Coils (see pg. 340

CHECK OUT THE FEATURES

No. 72231

- A. One-piece aluminum housing is cleanly machined for neat appearance; steel shaft and gear provide concentric operation
- B. HEI Distributor Cap and Rotor are precision molded from advanced polymers with solid brass contacts and low-resistance center coil brush
- C. Mechanical Advance Curve Kit with extra springs allow you to recurve your distributor for full advance at optimum RPM; precision stamped weights, welded pins and center plates with smooth edges eliminate erratic timing
- D. Moroso's ProCoil combines low oxygen, high-conductivity magnet wire, high-silicon core material, and non-porous epoxy impregnation to produce extremely high current and extended duration for increased spark energy
- E. High-Output Module delivers high spark output and extended reliability



DURAFIRE DISTRIBUTORS



DURAFIRE DISTRIBUTOR, PASS, CAR, TRUCK, '87 -'95

Moroso's DuraFire Distributors are now available for GM '87-'95 Pass. cars. trucks with GM "H" and "K" code engines with external coils

- Heavy duty billet aluminum body, machined for durability and looks
- · Hardened steel shaft and gear provide concentric operation
- Cap and rotor are precision molded from advanced polymers with solid brass contact and inserts on the cap and rotor
- High-output module delivers high spark output and extended reliability

PART # DESCRIPTION
72251 DuraFire Distributor.
PART # REPLACEMENT PARTS
27043 Ignition Module

97866 Cap **97867** Rotor

No. 72251

DURAFIRE DISTRIBUTOR, GM VORTEC, '95 -'01

Moroso's DuraFire Distributors are now available for GM '95-'01, "R" and "M" code V-8 Vortec, "LT" Engines

- Heavy duty aluminum body is stronger than O.E.M. plastic housing
- Hardened steel shaft and gear provide concentric operation
- · Caged needle roller bearings for smooth operation
- Flat cap like 0.E.M.
- Cap and rotor are precision molded from advanced polymers with solid brass contacts and inserts on the cap and rotor
- This distributor does not use a module (it only has a HAL Effect Sensor)

PART # DESCRIPTION
72252 DuraFire Distributor



SUPER HEI IGNITION KIT

8mm

- Includes HEI Distributor Cap and Rotor, Coil Cover, Blue Max[™] high-performance Wire Set, and Super Loom Kit
- Developed for racing, all ignition components engineered to improve ignition accuracy, fuel economy, starting, and throttle response
- HEI Distributor Cap & Rotor precision molded from advanced polymers with solid brass contacts to provide high dielectric strength & unsurpassed timing accuracy
- Custom-Fit Blue Max[™] 8mm, 800 ohm Spiral Core Wire Set is factory terminated in the correct lengths with numbered I.D. tags, corrosion-resistant locking plug terminals and high-temperature silicone boots
- Wire Loom Kit with separators and show quality chrome brackets routes wires over the valve covers to keep them away from hot exhaust manifolds or headers
- · Emissions legal in all 50 states

PART # DESCRIPTION 72280 Super HEI Ignition Kit

Fits: 1974 and newer Chevy V8's with HEI ignition (without centerbolt valve covers)



REPLACEMENT IGNITION MODULE

Moroso/GM HEI Distributors

- Fits Moroso DuraFire Distributors Nos. 72230 & 72231 and any 4-pin GM HEI Distributor for 4, 6 and 8 cylinder engines
- High-output module delivers consistent dwell, accurate timing, extended durability and high spark output

PART # DESCRIPTION

97857 Replacement Ignition Module. Fits: GM-style HEI Distributors



ADJUSTABLE VACUUM ADVANCE KIT

- Allows you to change the amount of ignition vacuum advance for maximum part-throttle performance while preventing harmful effects of spark knock (detonation)
- Dial in as much spark advance as conditions permit—add more advance under light load conditions to improve throttle response and fuel economy, or limit sparkadvance in high compression engines and high load conditions to eliminate knock
- Built-in stop prevents the adjustment screw from "backing out" like other designs
- Perfect companion to Moroso HEI Advance Curve Kit No. 72300, below

PART # DESCRIPTION

72315 Adjustable Vacuum Advance Kit. Fits: 1975-'81 GM HEI Distributors



No. 72315

ADVANCE CURVE KITS

- "Recurve" your distributor for full spark advance at the optimum RPM
- Three sets of advance springs allow you to adjust the rate of spark advance
- Weights and centerplates precision stamped with smooth edges eliminate erratic timing
- Comes with complete installation instructions

PART # DESCRIPTION

72300 HEI Advance Curve Kit, special design centerplate eliminates over-centering of the centrifugal weights. Designed by Nelson Crozier. Fits: All GM HEI Distributors

72310 Advance Curve Kit. Fits: All 1957-'75 GM/Delco Non-HEI



No. 72300

DISTRIBUTOR REPLACEMENT PARTS

REPLACEMENT COIL COVER

Moroso/GM HEI Distributors

- Fits Moroso DuraFire Distributors Nos. 72230 and 72231 and any GM HEI Distributor
- · Precision molded from advanced polymers for longer life and protection

PART # DESCRIPTION

97858 Distributor Coil Cover, GM HEI V8



REPLACEMENT CAP. ROTOR & BRUSH KIT

Moroso/GM HEI Distributors

• Fits Moroso DuraFire Distributors Nos. 72230 and 72231 and any GM HEI Distributor

PART # DESCRIPTION

97859 Distributor Cap, Rotor & Brush Kit, GM HEI V8



ROTOR. DISTRIBUTOR

Short Drive Lug

Fits: Jesel®, Mallory® and Crane® Distributors

- Designed specifically for each manufacturers' distributor for better fit, tip positioning and balance
- Made with high performance plastic for longer life and greater durability
- The brass tip and heavy duty stainless steel spring provides and maintains great electrical performance
- Features designed into the tip, plastic body and screw provide superior tip retention



97849 Rotor, Distributor, Short Drive Lug. Fits: Crane97860 Rotor, Distributor, Short Drive Lug. Fits: Jesel, Mallory



No. 97849

DISTRIBUTOR GEAR SHIM KIT

- Allows precise adjustment of distributor shaft end play to improve timing accuracy and reduce gear wear
- Works with Moroso, GM®, Accel®, Chrysler® and other distributors with ½" diameter shaft
- Includes two .010" shims, two .020" shims and one .053" shim

PART # DESCRIPTION

26140 Distributor Gear Shim Kit



No. 26140

DISTRIBUTOR HOUSING SHIM KIT

Fits: Small Block, Big Block, and 90° V6 Chevy engines

- Eliminates oil pump bind and spark scatter when using a distributor in an engine with resurfaced heads or decks
- Made from high impact nylon to exact GM® gasket specs
- \bullet Kit insures leak-free operation and contains one each .030", .060" and .100" shims

PART # DESCRIPTION

26150 Distributor Housing Shim Kit, 1.290 I.D. & 1.830 O.D



No. 26150

SPARK PLUG INDEXING WASHERS

- Designed for use on all 14mm spark plugs with %" hex
- With three thicknesses in each package, one will correct the electrode placement on any plug and simplify the time-consuming task of spark plug indexing
- The washers are precision stamped from copper for perfect sealing and heat transfer
- 30 per pack, 10 each size

PART # DESCRIPTION

71900 Spark Plug Indexing Washers, Tapered Seat, .010", .021", .032" **71910** Spark Plug Indexing Washers, Flat Seat, .040", .050", .064"



No. 71900

DISTRIBUTOR HOLD DOWN CLAMPS

- Extra-thick and heavy-duty to ensure adequate retention of distributor housing
- Stud mounted to eliminate thread wear in intake manifold
- · Slotted for quick distributor removal
- Includes stud, washer, nut

DECCDIDITION



I AIII #	DESCRIPTION
26200	Distributor Hold Down Clamp. Fits: All V8 and 90° V6 Chevrolet engines, Clear-Zinc Steel
26210	Distributor Hold Down Clamp. Fits: All V8 and 90° V6 Chevrolet engines, Chromed Steel
26211	Distributor Hold Down Clamp. Fits: All Small Block Ford engines, Chromed Steel

ADJUSTABLE DISTRIBUTOR COLLAR

Fits: Small Block, Big Block, and 90° V6 Chevrolet

- Precision machined steel collar can be positioned on distributor housing to adjust installed height for dead-center gear alignment
- Also aligns the distributor's lubrication grooves with oil passages in the block
- Socket-head cap screw tightens collar to housing, while two cupped-point hardened steel set screws grip housing to eliminate any movement
- Specially designed for Moroso's Billet Distributors (also fits MSD Distributors and others) 1.25" O.D. lower distributor housing
- Distributors with fixed collars can be machined smooth to accept Adjustable Collar

PART # DESCRIPTION

26217 Adjustable Distributor Collar



No. 26217

BILLET DISTRIBUTOR HOLD DOWN

- Machined from sturdy steel billet to eliminate deflections
- Secures distributors firmly while allowing easy timing changes
- · Specially designed for Moroso's Billet Distributors
- Also fits MSD and Accel distributors with a 1.850" O.D. flange or a 1.25" O.D. lower distributor housing using a Moroso **No. 26217** Adjustable Collar

PART # DESCRIPTION

26215 Billet Distributor Hold Down. *Fits: Small Block, Big Block, and 90° V6 Chevrolet*



HIGH OUTPUT IGNITION COIL

- Provides high output ignition for any 12V points-equipped car or truck
- · Plated with beautiful show-quality chrome for great looks and extended durability
- 40,000 volt rating

PART # DESCRIPTION

72350* High Output Ignition Coil, Chrome-Plated, Points-triggered Ignitions

*Not legal for sale or use on pollution-controlled vehicles.

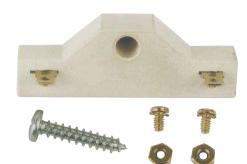


BALLAST RESISTOR

- Absolutely required for point-triggered ignitions equipped with coils that do not feature a built-in resistor such as Moroso Coil No. 72350, Accel Super Coil 140001, Super Stock High Vibration 8140HV, Racing Coils 140108, 140205 and 140305; Crane PS20 and PS40, Jacob's 380672T and MSD Blaster 2 - 8200, 8202, and 8203, Blaster 3 - 8223
- Ceramic base supports resistor to eliminate the possibility of electrical shorts and to dissipate heat
- Includes built-in mounting boss; must be mounted to firewall or other metallic surface to further dissipate heat
- 1/4" spade terminals facilitate wiring to battery side of the coil

PART # DESCRIPTION

72390 Ballast Resistor, 1.82 ohms



No. 72350

No. 72390

MAGNIFYING FLASHLIGHT, LED

For Spark Plugs

- 6.4X Fire Polished, B1-Convex Optic Lens
- Powerful white light LED floods the insulator cavity with light for accurate inspections
- Longer life LED lamp
- Lower voltage for longer battery life
- · Easy one-handed on/off switch
- · Black anodized billet aluminum flashlight housing
- 2 AA batteries included

PART # DESCRIPTION
62348 Magnifying Flashlight



GM LS COIL ACCESSORIES

REMOTE COIL MOUNTING BRACKET KIT

Fits: LS Series

- · Relocates ignition coils from valve cover
- Fits O.E.M. and larger aftermarket coils with 2-\%6" bolt spacing
- Use with Moroso Ultra 40 Wire Sets Nos. 73811 & 73828
- Two Mounting Brackets per kit (for 8 coils)

PART # DESCRIPTION

72395 Remote Coil Mounting Bracket with Spacers



No. 72395

REMOVEABLE COIL MOUNTING BRACKET

Fits: LS Series

- Hinged to provide quick access to valve cover fasteners
- Coil pack mounting bracket removes with two fasteners
- Coils nested toward back of motor to free up area on front of valve cover for breathers, vacuum pump fittings, fill caps, etc.
- · Drivers' side assembly shown
- Fits O.E.M. and larger aftermarket coils with 2-\%6" bolt spacing
- Use with Moroso Ultra 40 Wire Sets Nos. 73661, 73681 or 73704

PART # DESCRIPTION

72396 Coil Mounting Bracket, Hinged, Removable







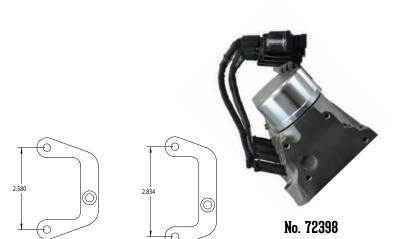
COIL MOUNT BRACKET KIT. GM LS SERIES FOR MOROSO 68471/68473 VALVE COVERS

- These Coil Brackets can used to relocate LS Coils between the top of the valve cover and the intake
- Designed to be used with Moroso valve covers but can be drilled to be used with other valve covers or to remote mount coils in a different location.
- Two versions available; One for LS1/LS6 Coils & the Second for LS2, LS3, LS7, L92, L98, L99 Coils
- When used with Moroso valve covers, the valve cover can be removed and installed without disturbing the coils or brackets
- Kit includes black anodized aluminum brackets and metric hardware, one kit does one LS engine

PART # DESCRIPTION

72397 Coil Mount Bracket, GM LS Series for Moroso Nos. 68471/68473, LS1, LS6 Coils

72398 Coil Mount Bracket, GM LS Series for Moroso Nos. 68471/68473, LS2, LS3, LS7, L92, L98, L99 Coils









No. 72397

PLASMA PULSE IGNITION COILS

The Ultimate In Ignition Coil Technology!

- For Racing Only
- Ultra-High Spark Current
- Maximum Horsepower & Combustion Efficiency

We've taken our years of ignition experience and engineered an extremely powerful Racing Coil for both Capacitive Discharge (CD) and Inductive Discharge (breaker points, HEI, etc.) ignitions.

Moroso Plasma Pulse Coils feature a unique winding and core design that generates ultra-high spark current for maximum horsepower and combustion efficiency! In addition to delivering exceptional ignition power, Plasma Pulse Coils are loaded with durability features that include double-layer insulation, corrosion-resistant connectors and a durable alkyd case.

The blue anodized extruded aluminum housing not only gives the coil a distinctive appearance, but cooling fins dissipate damaging heat quickly. In fact, the entire coil can withstand continuousoperation without overheating! A high-temperature epoxy filling allows you to mount the coil in any direction.



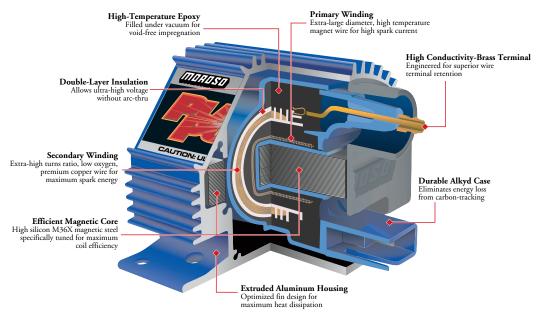
No. 72380

PART #	DESCRIPTION
72380	Plasma Pulse Ignition C

72380 Plasma Pulse Ignition Coil, Inductive Discharge.
 For use with Chevy HEI and Ford DuraSpark ignitions
 72381 Plasma Pulse Ignition Coil, Capacitive Discharge.

For use with MSD and other CD type ignitions

ENGINEERED FOR MAXIMUM POWER AND DURABILITY!



PROCOIL IGNITION COILS

Increased Spark Energy! Bolt In Replacement!

Finally, a coil design that gives your ignition system real power. Real ignition power that provides more complete combustion for easier starts, better idle, snappier acceleration, and more horsepower. Real ignition power that eliminates the "6000 RPM barrier" inherent with stock systems. We've combined low oxygen, high-conductivity magnet wire, high-silicon core material, and non-porous epoxy impregnation to produce extremely high current and extended duration for increased spark energy. And our expert workmanship gives you the reliability needed for hard-core racing or daily street use.



PART #	DESCRIPTION	PAGE NUMBERS	
72355	ProCoil HEI, 1975-93 GM	pgs. 341-344	
72358	ProCoil F, 1985-96 GM	pg. 344	
72360	ProCoil H.O,1982-97 Ford	pg. 343	





IGNITION COILS

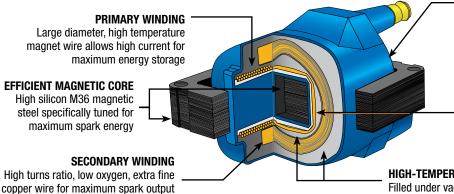
CHECK OUT THE FEATURES THAT MAKE MOROSO'S PROCOIL SUPERIOR TO ALL OTHER BRANDS!

PRIMARY WINDING

Large diameter, high temperature magnet wire allows high current for maximum energy storage

EFFICIENT MAGNETIC CORE

High silicon M36 magnetic steel specifically tuned for maximum spark energy



DURABLE ALKYD CASE

Eliminates energy loss from carbon-tracking

DOUBLE-LAYER INSULATION

Allows ultra-high voltage without arc-thru

HIGH-TEMPERATURE EPOXY

Filled under vacuum for void-free impregnation

HEI PROCOIL APPLICATION CHART

BUICK

YEAR	ENGINE	PART#
1988-87	122 2.0K, 2.0M, 4 cyl. Skyhawk	72358
	(with Dist. 1103710)	
1986	112 1.8-0, 1.8J, 4 cyl. Skyhawk	72358
1986	121 2.0P, 4 cyl. Skyhawk	72358
1986	151 2.5R, 4 cyl. Century (with Dist.	72358
	1103634)	
1986	151 2.5U, 4 cyl. Somerset	72358
1985	121 2.0P, 4 cyl. Skyhawk	72358
1985	151 2.5R, 4 cyl. Century, Skylark	72358
1985	151 2.5U, 4 cyl. Somerset, Regal	72358
1981-80	151 2.5L, 4 cyl. Skylark (Can. Only)	72355
1986	173 2.8X, 6 cyl. Century	72358
1985	173 2.8W, 6 cyl. Skylark	72358
1985	173 2.8X, 6 cyl. Century, Skylark	72358
1985	173 2.8X, 6 cyl. Century, Skylark	72358
	(Can., Export with Dist. 1103619,	
	1103704)	
1982	173 2.8L, 6 cyl.	72355
1981-80	173 2.8L, 6 cyl. Skylark	72355
1981-80	252 4.1L, 6 cyl.	72355
1995-94	350 5.7P, 8 cyl. Roadmaster	72358
1993-92	350 5.7, 8 cyl. Roadmaster	72358
1992-91	305 5.0E, 8 cyl. Roadmaster	72358
1987-84	305 5.0L, 8 cyl. (Can. Only)	72355
1980-83	267 4.4L, 305 5.0L, 8 cyl.	72355
1979-77	305 5.0L, 350 (L) 5.7L, 8 cyl.	72355

CADILLAC

YEAR	ENGINE	PART#
1986-85	121 2.0P, 4 cyl. Cimarron	72358
1986-85	173 2.8W, 6 cyl. Cimarron	72358
1995-94	350 5.7P, 8 cyl. Brougham, Com. Chassis, (MFI Dist. 1103916)	72358
1993	350 5.7, 8 cyl. Fleetwood Brougham (with Dist.1103953)	72358

CADILLAC, CONTINUED

YEAR	ENGINE	PART #
1992	350 5.7, 8 cyl. Brougham	72358
1991-92	305 5.0E, 8 cyl. Brougham, Fleetwood	72358
1991	350 5.7, 8 cyl. Brougham, Fleet- wood (with Dist.1103880)	72358
1990	350 5.7, 8 cyl. Fleetwood (with Dist. 1103749, 827)	72358
1988-90	273 (5) 4.5L, 8 cyl. Allante, Fleetwood, DeVille	72355
1987	250 (7) 4.1L, 8 cyl. Allante with Dist. 1103747	72355
1986-87	252 4.1L, 8 cyl. Fleetwood, DeVille FWD	72355
1984-85	252 4.1L, 8 cyl. Eldorado, Seville	72355
1983-82	252 4.1L, 8 cyl. Eldorado, Seville	72355
1980-85	368 6.0L, 8 cyl. DeVille, Eldorado, Fleetwood, Seville	72355
1980-85	368 6.0L, 8 cyl. Comm. Chassis, Limousine	72355
1978-79	425 7.0L, 8 cyl. Comm. Chassis, Limousine	72355
1978-79	425 7.0L, 8 cyl. DeVille, Fleetwood	72355
1977-74	500 8.2L, 8 cyl. with HEI	72355
1977-74	425 7.0L, 8 cyl. with HEI	72355

CHEVROLET

YEAR	ENGINE	PART#
1987-88	92 1.5-9, 4 cyl. Spectrum (with Dist. 1103674) Turbo	72358
1985-87	98 1.6C, 4 cyl. Chevette	72358
1985-86	121 2.0P, 4 cyl. Cavalier	72358
1985-1986	151 2.5-2, 2.5R, 4 cyl. Camaro, Celebrity	72358
1981	151 2.5L, 4 cyl. Citation (Can. Only)	72355

HEI PROCOIL APPLICATION CHART

CHEVROLET. CONTINUED

CHEVR	OLET, CONTINUED	
YEAR	ENGINE	PART #
1980	151 2.5L, 4 cyl. Citation, Monza	72355
1979-78	151 2.5L, 4 cyl. Monza	72355
1993-94	189 3.1D, 6 cyl. Lumina APV	72358
1993	262 4.3Z, 6 cyl.Caprice	72358
1992-93	262 (Z) 4.3L, 6 cyl. Caprice	72355
1992	189 3.1D, 6 cyl. Lumina APV	72358
1992	189 3.1T, 6 cyl. Camaro	72358
1992	262 4.3Z, 6 cyl. Caprice	72358
1991	189 3.1D, 6 cyl. Lumina APV-A.T. (with Dist. 1103864)	72358
1991	189 3.1T, 6 cyl. Camaro (with Dist. 1103704, 1103900)	72358
1991	262 4.3Z, 6 cyl. Caprice	72358
1990	189 3.1D, 6 cyl Lumina APV (with Dist.1103644)	72358
1990	189 3.1T, 6 cyl. Camaro (with Dist. 1103704)	72358
1990	262 4.3Z, 6 cyl. Caprice	72358
1987-89	173 2.8S, 6 cyl. Camaro (with Dist. 1103704)	72358
1987-89	262 4.3Z, 6 cyl.	72358
1986	173 2.8X, 6 cyl. Celebrity A.T.	72358
1986	173 2.8S, 6 cyl. Camaro	72358
1986	173 2.8W, 6 cyl. Cavalier, Celebrity	72358
1986	262 4.3Z, 6 cyl.	72358
1985	173 2.8W, 6 cyl. Cavalier, Celebrity, Citation	72358
1985	173 2.8X, 6 cyl. Celebrity, Citation-Can., Export, Fed.	72358
1985	173 2.8S, 6 cyl. Camaro	72358
1985	262 4.3Z Eng, 6 cyl.	72358
1984-82	229 3.8L, 6 cyl.	72355
1981	173 2.8L, cyl.	72355
1981	229 3.8L, 6 cyl.	72355
1980	173 2.8L, 6 cyl.	72355
1979	200 3.3L, 6 cyl.	72355
1978	200 3.3L, 6 cyl.	72355
1995	265 4.3W, 8 cyl.	72358
1995	350 5.7P, 8 cyl. Camaro, Caprice, Corvette	72358
1994	265 4.3L, 8 cyl.	72358
1994	350 5.7P, 8 cyl. Camaro, Caprice, Corvette	72358
1993	305 5.0E, 8 cyl.	72358
1993	350 5.7, 8 cyl.	72358
1993	350 5.7P, 8 cyl. Camaro, Corvette	72358
1992	305 5.0E, 8 cyl. Caprice, Camaro	72358
1992	305 5.0F, 8 cyl. Camaro	72358
1992	350 5.7, 8 cyl. Camaro	72358
1992	350 5.7, 8 cyl. Caprice	72358
1992	350 5.7P, 8 cyl. Corvette	72358
1991	305 5.0F, 8 cyl. Caprice, Camaro	72358
1991	305 5.0E, 8 cyl. Camaro, Caprice	72358
1991	350 5.7, 8 cyl. Caprice	72358
1991	350 5.7, 8 cyl. Camaro	72358

CHEVROLET, CONTINUED

YEAR	ENGINE	PART #
1990	305 5.0E, 5.0F, 8 cyl. Camaro	72358
1990	350 5.7L, 8 cyl. Caprice (w/ Dist.	72358
	1103749) Police Car	
1990	350 5.7, 8 cyl. Camaro (with Dist. 1103838, 880)	72358
1989	305 5.0E, 8 cyl. Camaro	72358
1989	350 5.7, 8 cyl. Caprice (w/ Dist. 1103749) Police Car	72358
1989	350 5.7, 8 cyl. Camaro	72358
1988	305 5.0E, 5.0F, 5.0G, 5.0H, 8 cyl.	72358
1988	350 5.7, 8 cyl. Camaro.	72358
1988	350 5.7L, 8 cyl. Caprice (w/ Dist.	72358
	1103749) Police Car	
1987	305 5.0F, 5.0G, 5.0H, 8 cyl (with Dist. 1103698, 749)	72358
1987	350 5.7L, 8 cyl. Caprice Fed. (with Dist 1103698, 749) Police Car	72358
1987	350 5.7 8 cyl. Camaro	72358
1987	305 (H) 5.0L, 8 cyl. (Can. Only)	72355
1986	350 5.7L, 8 cyl. Caprice Fed. (with	72358
1300	Dist 1103698, 749) Police Car	
1986	350 5.7L, 8 cyl. Caprice, Police Car (Can. Only)	72355
1986	305 (F), (G), (H) 5.0L, 8 cyl.	72355
1986	350 5.7L, 8 cyl. (Exc. Corvette)	72355
1985	305 (F), (G), (H) 5.0L, 8 cyl.	72355
1985	350 5.7L, 8 cyl. Caprice, Impala, Police Car	72355
1984	305 5.0L, 8 cyl.	72355
1984	350 5.7L 8 cyl. (Exc. Corvette)	72355
1983	305 5.0L, 8 cyl. (Can. Only)	72355
1983	350 5.7, 8 cyl. Caprice, Impala, Police Car	72355
1982-81	267 4.4L, 8 cyl.	72355
1982-81	305 5.0L, 8 cyl. (Can. Only)	72355
1982-81	350 5.7L, 8 cyl. (Exc. Corvette)	72355
1980-77	All 8 Cyl. Engs.	72355
1976	350 5.7L, 8 cyl. with 4 Bbl. Carb. (Cal. Only)	72355
1976	350 5.7L , 8 cyl. with 2 Bbl. Carb.	72355
1976	262 4.3L, 305 5.0L, 400 6.6L, 454	72355
1075	7.4L, 8 cyl.	
1975	350 5.7L, 8 cyl. Camaro with 4 Bbl. Carb.	72355
1975	Exc. Z-28, 8 cyl. (Cal. Only)	72355
1975	350 5.7L, 8 cyl. Camaro Z-28	72355
1975	350 5.7L, 8 cyl. with 2 Bbl. Carb.	72355
1975	262 4.3L, 305 5.0L, 400 6.6L, 454 7.4L, 8 cyl.	72355
1974	All 8 cyl. Engs. with HEI	72355

PROCOIL H.O. APPLICATION CHART

CHEVROLET/GMC TRUCK

CHEVI	KULETIGMU TRUUK	
YEAR	ENGINE	PART#
1985-89	151 2.5E, 4 cyl. S10, S15, Astro, Safari	72358
1996	262 4.3Z, 6 cyl. G-1, 2, 3	72358
1995	262 4.3W, 6 cyl. Pick-up -A.T. with out Module Powertrain Control	72358
1994-95	262 4.3 B, W, Z, 6 cyl.	72358
1992-93	173 2.8 R, 6 cyl. Sonoma, S10, S15	72358
1992-93	262 4.3 B, W, Z, 6 cyl.	72358
1991	262 4.3 B, W, 6 cyl. Astro, Safari, S10, S15	72358
1991	262 4.3Z, 6 cyl.	72358
1986-90	292 4.8L, 6 cyl.	72355
1986-90	262 4.3Z, 6 cyl. All incl. Safari (with Dist. 1103655)	72358
1985-86	262 4.3L, 6 cyl. C-10/K-10 Pickup, Suburban, Blazer, Jimmy	72355
1985-86	262 4.3L, 6 cyl. G-10, -20, -30 Van	72355
1985-91	173 2.8B, 6 cyl. S10, S15	72358
1984	250 4.1L, 292 4.8L, 6 cyl. Caballero	72355
1980-84	229 3.8L, 6 cyl. El Camino, Cabal- lero	72355
1979-78	200 3.3L, 6 cyl. El Camino, Cabal- lero	72355
1978-84	250 4.1L, 6 cyl.	72355
1987-95	305 5.0H, 8 cyl.	72358
1987-95	350 5.7K, 8 cyl.	72358
1987-95	454 7.4N, 8 cyl.	72358
1989	454 (W) 7.4L, 8 cyl. P-30, R-30, V-30	72355
1989	350 (K) 5.7L, 8 cyl. P-30, R-30, V-30	72355
1988	350 (M) 5.7L, 8 cyl. G-30, P-20, P-30, R-30, V-30	72355
1987	305 (H), 8 cyl. El Camino (Can. Only)	72355
1987	350 (M) 5.7L, 8 cyl. G-30, P-20, P-30, R-30, V-30	72355
1987	454 (W) 7.4L, 8 cyl. with 4 Bbl. Carb.	72355
1975-86	All 8 Cyl. Engs. (Exc. 1978 403 cid G-30)	72355

FORD

YEAR	ENGINE	PART#
1993-95	122 2.0L, 4 cyl. Probe	72360
1986-91	153 2.5L, 4 cyl. Taurus	72360
1985-90	116 1.9L, 4 cyl. Escort, EXP	72360
1984-94	140 2.3L, 4 cyl. Tempo, Exc. LPG	72360
1984-90	140 2.3L, 4 cyl. EFI, Mustang	72360
1983-85	98 1.6L, 4 cyl. Escort with EFI	72360
1983-84	140 2.3L (Turbo), 4 cyl. EFI, Mustang, Thunderbird	72360
1982	98 1.6L, 4 cyl. Escort with Distr. Mounted Module	72360
1992-94	183 3.0L, 6 cyl. Tempo	72360

FORD, CONTINUED

YEAR	ENGINE	PART #
1987-93	232 3.8L, 6 cyl. Thunderbird Exc. S/C	72360
1986-95	183 3.0L, 232 3.8L, 6 cyl. Taurus Exc. FFV, SHO	72360
1990-92	183 3.0L, 6 cyl. Probe	72360
1984-91	302 5.0L, 351W 5.8L, 8 cyl. Crown Victoria, LTD	72360
1984-95	302 5.0L, 8 cyl. Mustang	72360
1984-93	302 5.0L, 8 cyl. Thunderbird	72360

FORD TRUCKS

YEAR	ENGINE	PART#
1988	122 2.0L, 4 cyl. Ranger	72360
1987-89	140 2.3L, 4 cyl. Aerostar, Ranger with Dist. Mounted Module	72360
1985-86	140 2.3L, 4 cyl. Aerostar, Bronco II, Ranger	72360
1986-96	171 2.8L, 183 3.0L, 6 cyl. Aerostar	72360
1986-95	177 2.9L, 183 3.0L, 6 cyl. Bronco II, Ranger	72360
1984-96	300 4.9L, 6 cyl. E, F Series, Module on Distributor	72360
1990-96	302 5.0L, 8 cyl. Bronco	72360
1990-96	302 5.0L, 8 cyl. E-150/E-250	72360
1990-96	302 5.0L, 8 cyl. F-150/F-250	72360
1990-96	351 5.8L, 8 cyl. Bronco (Exc. Calif. Remote Mtd Module) Module #E8PF-12A199-AB	72360
1990-96	351 5.8L, 8 cyl. E-150/E-250/350	72360
1990-96	351 5.8L, 8 cyl. F-150/F-250/350	72360
1990-96	460 7.5L, 8 cyl. E-250/350 Super-Duty, F-250/350 Super-Duty Module #E8PF-12A199-AB	72360
1984-89	302 5.0L, 8 cyl. EEC-IV with Bolt-On Rotor	72360
1984-89	351 5.8L, 8 cyl. EEC-IV with Bolt-On Rotor	72360
1984-89	460 7.5L, 8 cyl. EEC-IV with Bolt-On Rotor	72360

GEO

YEAR	ENGINE	PART#
1992-93	144 1.8-8, 4 cyl. Storm	72358
1990-93	98 1.6-6, 4 cyl. Storm	72358

LINCOLN

YEAR	ENGINE	PART#
1988-94	232 3.8L, 6 cyl. Continental	72360
1992	302 5.0L, 8 cyl. Mark VIII	72360
1991	302 5.0L, 8 cyl. Mark VII, Town Car	72360
1990	302 5.0L, 8 cyl. Town Car	72360
1985-89	302 5.0L, 8 cyl. All	72360
1984	302 5.0L, 8 cyl. Continental EEC-IV,	72360
	Mark VII. TownCar	

PROCOIL F APPLICATION CHART

MERCURY

YEAR	ENGINE	PART#
1986-91	153 2.5L, 4 cyl. Sable	72360
1985-87	116 1.9L, 4 cyl. LN7, Lynx	72360
1984-94	140 2.3L, 4 cyl. Topaz	72360
1984-86	140 2.3L, 4 cyl. EFI, Capri	72360
1983-85	98 1.6L, 4 cyl. LN7, Lynx with EFI	72360
1983-84	140 2.3L (Turbo), 4 cyl. EFI, Capri, Cougar	72360
1982	98 1.6L, 4 cyl. Lynx with Distr. Mounted Module	72360
1992-94	183 3.0L, 6 cyl. Topaz	72360
1987-93	232 3.8L, 6 cyl. Cougar Exc. S/C	72360
1986-95	183 3.0L, 232 3.8L, 6 cyl. Sable	72360
1984-91	302 5.0L, 351W 5.8L, 8 cyl. Grand Marquis	72360
1984-86	302 5.0L, 8 cyl. Capri	72360
1984-93	302 5.0L, 8 cyl. Cougar	72360

MERKUR

YEAR	ENGINE	PART#
1985-89	140 2.3L (Turbo), 4 cyl, XR4TI	72360
1988-89	177 2.9L, 6 cyl. Scorpio	72360

OLDSMOBILE

YEAR	ENGINE	PART#
1985-88	112 1.8, 121 2.0, 122 2.0, 4 cyl. Firenza	72358
1985-86	151 2.5R, 2.5U, 4 cyl. Calais, Ciera	72358
1981	151 2.5L, 4 cyl. Omega (Can. Only)	72355
1978-80	151 2.5L, 4 cyl. Starfire	72355
1990-95	189 3.1D, 6 cyl. Silhouette (with Dist. 1103644 or 1103864)	72358
1991-93	262 4.3Z, 6 cyl. Bravada	72358
1985-86	173 2.8W, 6 cyl. Ciera, Firenza	72358
1986	173 2.8X, 6 cyl. Ciera (with Dist. 1103643, 619)	72358
1985	173 2.8X, 6 cyl. Ciera Can., Export	72358
1980-82	173 2.8L, 181 3.0L, 6 cyl.	72355
1992	350 5.7, 8 cyl. Custom Cruiser	72358
1991	305 5.0E, 8 cyl. Custom Cruiser (with Dist. 1103852)	72358
1983-87	305 (H) 5.0L, 8 cyl.	72355
1983-86	267 4.4L, 8 cyl. (Can. Only)	72355
1983-86	305 (H) 5.0L, 8 cyl.	72355
1981	267 4.4L, 305 5.0L, 8 cyl.	72355
1977-80	305 5.0L, 350 (L) 5.7L, 8 cyl.	72355
1977-78	403 6.6L, 8 cyl. Toronado	72355
1975-76	455 7.5L, 8 cyl. Toronado	72355

PONTIAC

YEAR	ENGINE	PART#
1988-93	98 1.6, 4 cyl. LeMans (with Dist.	72358
	1103766)	

PONTIAC, CONTINUED

PONT	40, CONTINUED	
YEAR	ENGINE	PART#
1990	122 2.0K, 4 cyl. Sunbird, LeMans	72358
1989	122 2.0K, 4 cyl. LeMans (with Dist. 1103774)	72358
1988-91	122 2.0K, M, 4 cyl., Grand AM, Sunbird	72358
1987	122 2.0K, 4 cyl. J2000	72358
1987	122 2.0M, 4 cyl. Grand AM, J2000	72358
1985-86	112 1.8-0, 1.8J, 4 cyl. J2000	72358
1985-86	121 2.0P, 4 cyl. J2000	72358
1985-86	151 2.5U, 2.5-2, 4 cyl. Firebird, Grand AM	72358
1985-86	151 2.5R, 4 cyl.	72358
1985-87	98 1.6C, 4 cyl. T1000	72358
1985	151 2.5U, 4 cyl.	72358
1981	151 2.5L, 4 cyl. Phoenix (Can. Only)	72355
1977-80	151 2.5L, 4 cyl. Starfire with HEI	72355
1991-95	189 3.1D, 6 cyl. Trans Sport	72358
1990-92	189 3.1T, 6 cyl. Firebird	72358
1990	189 3.1D, 6 cyl. Trans Sport (with Dist. 1103644)	72358
1987-89	173 2.8S, 6 cyl. Firebird (with Dist. 1103704)	72358
1987-88	173 2.8-9, 6 cyl. Fiero	72358
1986	173 2.8S, 2.8W, 6 cyl.	72358
1986	173 2.8X, 6 cyl. Can., Export, Fed	72358
1985-86	173 2.8-9, 6 cyl. Fiero	72358
1985-87	262 4.3Z, 6 cyl.	72358
1985	173 2.8S, 2.8W, 6 cyl. U.S.	72358
1985	173 2.8X, 6 cyl. 6000	72358
1985	262 4.3Z, 6 cyl.	72358
1983	229 (9) 3.8L, 6 cyl. Parisienne	72355
1982	173 2.8L, 6 cyl. 6000, Phoenix	72355
1980-81	229 3.8L, 6 cyl.	72355
1980	173 2.8L, 6 cyl.	72355
1993-95	350 5.7P (H.O.) Eng. Firebird	72358
1988-92	305 5.0E, 5.0F	72358
1988-92	350 5.7-8 Eng. Firebird	72358
1987	305 5.0F, 5.0H Eng. Firebird, exc. Canada	72358
1987	305 5.0H Eng. Grand Prix, exc. Canada	72358
1987	350 5.7-8 Eng. Firebird (with Dist. 1103698)	72358
1987	305 (H) 5.0L, 8 cyl. Firebird, Grand Prix (Can. Only)	72355
1986	305 (F), (G), (H) 5.0L, 8 cyl.	72355
1983-85	305 (F), (G), (H) 5.0L, 8 cyl.	72355
1977-83	267 4.4L, 305 5.0L, 350 (L) 5.7L, 403 6.6L, 8 cyl.	72355
1975-76	350 5.7L, 400 6.6L Chevrolet, 8 cyl.	72355

IGNITION SYSTEM EQUIPMENT

CRANK TRIGGER ULTRA SERIES KIT

Big Block Chevrolet

Fits: O.E.M., Fluidampr, ATI, Fischer, JEGS and other BBC 8.0" or smaller diameter damper cases with 4.749" mounting registers

- Crank Trigger Kit is based on the popular, flying magnet-style kits
- Compact adjuster arm for better fitment with two-piece oil pans and containment devices
- The trigger wheel and arm are constructed out of billet aluminum with black anodized finish for long lasting good looks
- Moroso has designed the trigger wheel and adjuster arm to allow for inifinite timing settings, while still giving you the ability to position the sensor for the greatest range of adjustment for your combination. No more having the sensor run out of adjustment before you even start the engine up.
- The sensor mounting block is designed so that it will not stick out of the back of the arm and interfere with the oil pan or a diaper
- Moroso Crank trigger sensor comes with the most common plug to easily hook to any popular ignition box with no modifications
- Has two sensor locations for non-motorplate applications
- Includes all necessary hardware

PART # DESCRIPTION

60008* Crank Trigger Ultra Series Kit for Big Block Chevrolet, passenger

60012* Crank Trigger Ultra Series Kit for Big Block Chevrolet, Mounts to driver's side

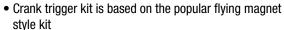
of block for mechanical fuel pumps, Procharger clearance



CRANK TRIGGER ULTRA SERIES KIT

Small Block Chevrolet

Fits: 0.E.M., Fluidampr, ATI, Fischer, JEGS and other SBC 7.0" or smaller diameter damper cases with 4.749" mounting registers



- Compact adjuster arm for better fitment with chassis restrictions pans and containment devices
- The trigger wheel and arm are constructed out of billet aluminum with black anodized finish for long lasting good looks
- Moroso has designed the trigger wheel and adjuster arm to allow for infinite timing settings while still giving you the ability to position the sensor for the greatest range of adjustment for your combination. No more having the sensor run out of adjustment before you even start the engine up
- The sensor mounting block is designed so that it will not stick out of the back of the arm and interfere with the oil pan
- Moroso Crank trigger sensor comes with the most common plug to easily hook to any popular ignition box with no modificationss
- Kit mounts to passenger side of block only, and has two sensor locations for non-motorplate applications
- Includes all necessary hardware

PART # DESCRIPTION

60009* Crank Trigger Ultra Series Kit, Small Block Chevy



^{*}Not legal for sale or use on Pollution-controlled vehicles.

CRANK TRIGGER ULTRA SERIES WITH ADJUSTABLE TIMING POINTER KIT

Small Block Ford, 302 - 351W

Fits: O.E.M., Fluidampr, ATI, Jegs and other S.B.F. 7.0" or smaller diameter by 3.35" long 4-bolt dampers

- Crank trigger kit is based on the popular flying magnet style kit
- Compact adjuster arm for better fitment with chassis restrictions pans and containment devices
- The trigger wheel and arm are constructed out of billet aluminum with black anodized finish for long lasting good looks
- Built-in adjustable timing pointer
- The trigger wheel and arm are constructed out of billet aluminum with black anodized finish for long lasting good looks
- Moroso has designed the trigger wheel and adjuster arm to allow for infinite timing settings while still giving you the ability to position the sensor for the greatest range of adjustment for your combination. No more having the sensor run out of adjustment before you even start the engine up
- The sensor mounting block is designed so that it will not stick out of the back of the arm and interfere with the oil pan
- Moroso Crank trigger sensor comes with the most common plug to easily hook to any popular ignition box with no modificationss
- Kit mounts to passenger side of block or on motorplate applications
- Includes all necessary hardware



60010 Crank Trigger Ultra Series Kit, Small Block Ford

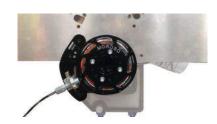
AVAILABLE OPTION PART#

63853 Oil Pump and Vacuum Pump Drive Kit with pulleys, 4-Bolt

63885 Oil Pump and Vacuum Pump Drive Kit without pulleys, 4-Bolt



No. 60010





REPLACEMENT CRANK TRIGGER TRANSDUCERS

"Magnet-In Wheel" Style

- · High-quality transducer with zinc-plated, cold-rolled steel body reduces unwanted signal interference and improves triggering accuracy
- Special, non-hardening epoxy impregnates pickup for shock and vibration isolation
- · Built-in strain relief prevents wire from pulling out of potting compound

PART# DESCRIPTION

60055* Replacement Crank Trigger Transducer, Magnet-in-Wheel Style

Older "Lug Type" Style

*Not legal for sale or use on Pollution-controlled vehicles.



No. 60355

- · High-quality, non-magnetic stainless steel
- Precision-wound low impedance winding and rare earth magnet for consistent output signal
- Special, non-hardening epoxy impregnates pickup for shock and vibration isolation

DESCRIPTION PART#

60355* Replacement Crank Trigger Transducer,

"Lug Type" Style

IGNITION SYSTEM

DRIVE MANDREL SPACER KIT

SBC

- For use with Moroso Nos. 63857 & 63859 drive mandrels
- Maintains register of mandrel when using a 1/4" thick crank trigger
- Comes with a 1/4" longer crankshaft bolt
- Constructed out of stress-proof steel with a black oxide finish

PART # DESCRIPTION

63861 Drive Mandrel Spacer Kit, SBC, for 1/4" Thick Crank Trigger Wheels



TIMING POINTERS

For SBC and BBC

- Designed to hug the damper so it is easier to line up the damper and the pointer for more accurate timing
- Up to 4 degrees of adjustment are possible
- · Constructed of billet aluminum with a black anodized finish
- Stainless steel mounting hardware included

PART #	DESCRIPTION
60100	Timing Pointer, SBC, 6.250"
60105	Timing Pointer, SBC, 6.375"
60110	Timing Pointer, SBC, 6.750"
60115	Timing Pointer, SBC, 7"
60120	Timing Pointer, SBC, 7.250"
60125	Timing Pointer, SBC, 8"
60130	Timing Pointer, BBC, 6.250"
60135	Timing Pointer, BBC, 7"
60140	Timing Pointer, BBC, 7.250"
60145	Timing Pointer, BBC, 8"



No. 60110



No. 60145

TIMING POINTERS FOR FORD 289/302/351W

- Designed to hug the damper so it is easier to line up the damper and the pointer for more accurate timing
- Up to 4 degrees of adjustment are possible
- Fits 6.125" to 6.250" balancers
- · Constructed out of billet aluminum with a black anodized finish
- Stainless steel mounting hardware included

PART # DESCRIPTION

60150 Timing Pointer, Ford 289/302/351W, 11 0'clock TDC 60155 Timing Pointer, Ford 289/302/351W, 10 0'clock TDC





No. 60150

No. 60155

BATTERY CHARGERS & ACCESSORIES





Jack Roush depends on the Moroso Power Charger to keep his Drag Racing Team ready for their next round of competition!

MOROSO POWER CHARGER

Includes a list of features that will make all other chargers obsolete!

With this versatile charger you have at your disposal one you can use on your race car, your towing vehicle, your street car or a battery you had to buy in an emergency at the racetrack. The **Power Charger** not only charges your everyday 12-volt battery but will also charge 16-volt batteries. Plus, it will also charge any type of battery including Gel Cell, Sealed, Lead Acid, Wet/Deep Cycle, "Reactor" batteries and even (AGM) Absorbed Glass Mat type batteries.

If you're looking for speed, you can be sure your battery is ready for the next round of competition. Featuring a near full charge recovery in about 14 minutes, it also has a maintain mode for batteries in storage. The large handle makes it easy to carry or the unit can be mounted on a wall or workbench.

- Made in USA, approved by U.L., E.T.L., C.S.A. and CE
- Dual Voltage charges both 12 and 16 volt batteries
- 30 amp rating makes for fast recharge
- Solid state LED Ammeter shows battery condition is charging at 80% or READY
- Battery Type "dip" switches can be accessed and changed to charge ANY type battery
- Hibernate mode is perfect for long storage, automatically shuts down to zero output after 24 hours, applying a maintenance charge cycle once every thirty days
- Low Start Voltage for deeply discharged batteries, will begin charging a battery that has only .02 of a volt
- Short and reverse polarity connection shutdown
- External ambient temperature compensation
- Works with (AGM) batteries without need for adjustment; calibrated not to exceed 19 volts charge when in the 16 volt mode

PART # DESCRIPTION

74016 Moroso Power Charger, 12/16 Volts at 30 Amps

SEALED BATTERY BOX

- Ideal for relocating a battery to the rear of any race, street or show vehicle with or without a rear firewall
- Holds a Series 21, 24, 26, 34, 42, 54, 55, 56, 61, 62, 63, 85, 86, 96R battery with either top-post or side-post terminals
- \bullet Outside Dimensions: 13-1/8" W, 11-1/8" D, 11-1/8" T
- Fully approved for racing by NHRA, IHRA and SCCA
- Includes grommets and all mounting hardware
- Does not include battery cable; use with Moroso Battery Cable Kit No. 74055

PART # DESCRIPTION

74051 Sealed Battery Box, Black



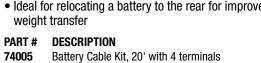
Competition Engineering Battery/Weight Box on pg. 443



BATTERY CHARGERS & ACCESSORIES

BATTERY CABLE KITS

- High-grade 2 gauge copper cable provides unrestricted current flow
- Rugged PVC insulation resists most car fuels, oils and under hood cleaners
- Available with and without battery terminals
- Ideal for relocating a battery to the rear for improved weight transfer



Battery Cable Kit, 20' with 4 terminals, 8' with top-post terminals and 6" 12 gauge leads with butt connectors*, rubber-lined clamps, grommets and shrink sleeving. Use with Sealed Battery Box No. 74051.

*Terminated at both ends. Cut in two to desired length.



No. 74055

BATTERY CABLE TERMINAL KITS

- · Compression-style fittings with tin plated brass for added conductivity and corrosion resistance provide solid electrical connection
- Two per pack

74055

PART #	DESCRIPTION
74170	Battery Cable Remote Fitting End Kit, Compression-style,
	%" opening
74172	Battery Cable Remote Fitting End Kit, Compression-style,
	½" opening
74173	Battery Cable Terminal, Copper, Solder, 1/8" diameter stud
74174	Battery Cable Terminal, Copper, Solder, ½" diameter stud
74175	Battery Post Terminal End Kit



BATTERY CABLE DISCONNECT SWITCH

- One turn of the knob disconnects the battery and saves the solid state voltage regulator and alternator when charging
- Also deters possible car thieves when parked
- Switch is rated at 100 amps for 12 or 24 DC use

PART #	DESCRIPTION
74103	Battery Terminal Disconnect Switch, Top Terminal
74104	Battery Terminal Disconnect Switch, Side Post



BATTERY POST BOOTS

Meets sanctioning body requirement that terminals be covered on the battery

- Insulated Battery Post Boots meet sanctioning bodies requirement that battery posts be covered, and are a tidier looking solution than tape
- Molded to fit over most non-disconnect top terminals
- Works with 4-0 gauge and larger battery cables
- Designed to be slipped on cable before terminal is installed, or can be slit and wire-tied over cable
- When the battery needs to be charged or jumped, simply fold back the boot for access to the post; when done, just unfold and recover

PART # DESCRIPTION

Battery Post Boots, one each in black and red per package 74114



No. 74114

REMOTE BATTERY JUMPER TERMINALS

- Allows battery to be placed anywhere in the car allowed by rules and still be completely accessible for between-rounds charging
- Connect to battery with a high amperage battery cable such as Moroso No. 74005 or No. 74055 or for use with Moroso Power Charger No. 74016
- Universal for 6-36 volt DC applications
- Two per pack with color-coded caps

DESCRIPTION PART #

Remote Battery Jumper Terminals 74140

PART# **REPLACEMENT PART**

97545 Terminal Cap Kit one red, one black

PART # **AVAILABLE OPTION**

Battery Jumper Terminal Mounting Bracket 74149



No. 74140

BATTERY JUMPER TERMINAL BRACKET. FOR MOROSO PART NO. 24140

- "L" shaped bracket makes mounting and aligning Moroso Part No. 74140 or similar battery disconnect switches easier than previous methods
- Made out of 1/8" thick steel
- Can be bolted and/or welded into place
- Finish of the bracket can be painted, polished or left as is

PART# DESCRIPTION

74149 **Battery Jumper Terminal Mounting Bracket**





QUICK-DISCONNECT FLUSH MOUNT BATTERY CABLE CONNECTORS

Complete Pre-Terminated Kits for Header-Equipped Engines

- Ideal for heavy-duty battery cable connection through firewalls or body panels
- A guick release half-turn lock provides easy charger hook-ups
- · Black and red color-coded for easy identification
- Two per pack

97553

PART# **DESCRIPTION**

74155 Quick-Disconnect Flush Mount Battery Cable Connectors

REPLACEMENT PARTS PART #

Female End. Red

97550 Male End. Black Male End, Red 97551 97552 Female End, Black



QUICK-DISCONNECT FLUSH MOUNT BATTERY CABLE CONNECTOR KIT

- Kit contains one black male and female lug, one red male and female lug
- Ideal for heavy-duty battery cable connections through firewalls or body panels
- A guick release taper lock provides easy charger hook-ups
- Features brass connections for full contact
- · Accommodates 1 or 2 gauge wire

PART # DESCRIPTION

74156 Quick-Disconnect Flush Mount Battery Cable Connectors, Red & Black (Male and Female)



No. 74156

BATTERY QUICK-CONNECT PLUG

Full Size

- Instantly connects your vehicle's electrical system to an auxiliary power source, either to start the car or for fast battery charges
- Also useful on tow vehicles and 4 x 4's as a power plug for winches, jumper cable connection, or battery chargers
- Made of tough polycarbonate with spring-loaded copper contacts
- Will connect up to 175 amps using #1/0 AWG wire

PART # DESCRIPTION

74200 Battery Quick-Connect Plug



No. 74200

BATTERY QUICK-CONNECT. MINI

- To save space this is a smaller version of Moroso No. 74200
- Will connect up to 50 amps, using #6 wire
- Instantly connects your vehicle's electrical system to an auxiliary power source, either to start the car or for fast battery charges
- Also useful on tow vehicles and 4 x 4's as a power plug for winches, jumper cable connections, or battery chargers
- Made of tough polycarbonate with spring-loaded copper contacts

PART # DESCRIPTION

74201 Battery Quick Connect, Mini



THRU-PANEL BATTERY CONNECTOR

- Can be used wherever a battery cable goes through a firewall or other similar panel
- Connector fits through 1-1/4" hole
- Use Battery Cable Remote Fitting End Kit Nos. 74170 or 74172 to complete installation
- · One per pack

PART # DESCRIPTION

74144 Thru Panel Battery Connector, Red74145 Thru Panel Battery Connector, Black

No. 74144



No. 74145

BATTERY DISCONNECT SWITCHES

- Easy to install Disconnect Switch required by many sanctioning bodies
- A quick twist of the non-slip handle or a quick push of the knob (No. 74106) shuts off all electrical current to the electric fuel pump, electric water pump, ignition, instruments, etc.
- For drag racing vehicles, the switch should be mounted on the vehicle's rear panel for easy accessibility
- For oval track and road racing applications, the switch should be mounted so that it can easily be reached by the driver or service personnel from outside the vehicle
- In street applications, the switch can be hidden to thwart car thieves
- Use Push/Pull Switch Kit No. 74105 for remote installation for Nos. 74100 & 74101
- 2-3/8" Studs included

PART # DESCRIPTION

74100 Battery Disconnect Switch, Twist, Limited-Service, i.e. Drag Race applications without alternators. Rating: 125 amps @ 6-36 volts DC

74101 Battery Disconnect Switch, Twist, Heavy-Duty, Street Race Cars with alternators, multiple battery applications, etc. Rating: 175 amps @ 6-36 volts DC

74106 Battery Disconnect Switch, Push On/Off, Heavy-Duty, Street or Race Applications with alternators, multiple battery applications, etc. Rating: 250 amps @ 6-24 volts DC



No. 74106

No. 74100

BATTERY DISCONNECT SWITCH. SUPER-DUTY

- Moroso's Super-Duty switch with rating of 2,000 amps intermittent and 300 amps continuous is perfect for engines with large starter draw, RVs, Drag Cars with alternators and other applications (20 amps on small terminals)
- Two pairs of copper studs (½" -20 & 10 -32) make it ideal for disconnecting alternator (or other electrical device) in addition to the battery
- Sealed shaft keeps out moisture and debris
- Indexing pin aligns switch with mounting panel and prevents rotation; fits mounting panels up to 1/4" thick
- Includes switch position face plate; also includes decal to indicate switch location during emergencies
- Use with Moroso Push/Pull Kit **No. 74105** for remote installations and Moroso Battery Cable Fitting End Kit with ½" opening **No. 74172**

PART # DESCRIPTION

74102 Battery Disconnect Switch, Super-Duty



No. 74102

BATTERY & ALTERNATOR DISCONNECT SWITCH

- As race cars have gotten more complicated so has sanctioning bodies rules in making sure that a racecar's electrical power can be completely shut off
- This 4-Pole switch makes installing a "Master Disconnect" switch much simpler.
 A 4-Pole switch is used to disconnect both the battery and the alternator feed simultaneously without the need for relays.
- Can be mounted in the same locations as traditional On/Off switches with the added security of being able to interrupt the alternator circuit
- Four 3/8" -24 Terminals, rated at 125A continuous/ 750A intermittent, up to 36V DC max., Two Terminals marked "Terminal A" for the battery circuit and Two Terminals marked "Terminal B" for the alternator circuit
- Indexing pin aligns switch with mounting panel and prevents rotation: fits mounting panels up to 1/4" thick
- Includes switch position decal and switch location decal for the exterior of the car
- Use with Moroso Push/Pull Kit No. 74105 for remote installations and Moroso Battery Cable Fitting End Kit with 3/8" opening No. 74170

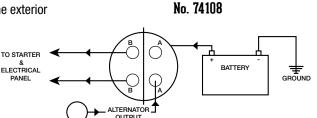
PART # DESCRIPTION

74108 Battery & Alternator Disconnect Switch









ALTERNATOR SHUTDOWN RELAY KIT

- Designed to stop engine run-on when electrical master disconnect is turned off by stopping electrical feedback in malfunctioning or high amperage alternators
- More and more racing sanctioning bodies are recommending that this type of device be used.
- Compliments Battery Disconnect switches such as MOROSO part numbers 74100, 74101, 74102 and 74106
- Kit includes; Heavy Duty Solenoid rated at 225 Amps, mounting hardware, wiring harness and terminal

PART # DESCRIPTION

74107 Alternator Shutdown Relay Kit



No. 74107

BOOTS FOR BATTERY DISCONNECT SWITCHES

Meets sanctioning body requirement that terminals on the master electrical cut-off switch be covered

- Perfect compliment to Moroso Part Nos. 74100, 74101, 74102 and 74106
- Prevents the shorting out of exposed terminals
- When installed, creates a finished "clean look" to disconnect switch wiring
- Constructed out of high quality, pliable, race environment friendly rubber
- \bullet Accommodate 2 to 4 gauge wire and ½" to $3\!\!/\!\!s$ " terminal studs
- Can be installed before or after termination of remote fitting ends

PART # DESCRIPTION

74110 Boots for Battery Disconnect Switches, Two per pack (1 ea. Black/Red)



No. 74110

BATTERY DISCONNECT SWITCH BRACKET

 "L" shaped bracket makes mounting and aligning Moroso Part Nos. 74100, 74101 & 74108 or similar battery disconnect switches easier than previous methods

Made out of 1/8" thick steel

Can be bolted and/or welded into place

PART # DESCRIPTION

74116 Battery & Alternator Disconnect Switch Bracket



NEW!

No. 74116

REMOTE PUSH/PULL BATTERY DISCONNECT SWITCH KIT

 "Push/Pull" Style of remote battery disconnect switch allows you to mount the Battery Disconnect Switch a roll cage tube with a weld-on bracket, then actuate it with this T-handle kit protruding through the rear panel

 Included switch Moroso Part No. 74100 is for applications without alternators, Rating: 125 amps @ 6-36 volts DC

 Includes switch, brackets, swing arm linkage, 18" long aluminum tube actuator link, all necessary bushings, fasteners, switch position decal and switch location decal for the exterior of the car



PART # DESCRIPTION

74109 Remote Push/Pull Battery Disconnect Switch Kit

No. 74109

REMOTE PUSH/PULL BATTERY & ALTERNATOR DISCONNECT SWITCH KIT

- "Push/Pull" Style of remote battery disconnect switch allows you to mount the Battery Disconnect Switch a roll cage tube with a weld-on bracket, then actuate it with this T-handle kit protruding through the rear panel
- Included is Moroso Part No. 74108 "Master Disconnect" 4-Pole switch. A 4-Pole switch is used to disconnect both the battery and the alternator feed simultaneously without the need for relays
- Includes switch, brackets, swing arm linkage, 18" long aluminum tube actuator link, all necessary bushings, fasteners, switch position decal and switch location decal for the exterior of the car

PART # DESCRIPTION

74111 Battery & Alternator Disconnect Switch Kit



PUSH/PULL BATTERY DISCONNECT MOUNTING KIT

- Allows you to mount a Battery Disconnect Switch Nos. 74100, 74101 74102 or 74108 (not included) to a roll cage tube with a weld-on bracket, then actuate it with this T-handle kit protruding through the rear panel
- Comes with brackets, swing arm linkage, 18" long aluminum tube actuator link, all necessary bushings, fasteners and complete instructions
- Aluminum parts are black anodized

PART # DESCRIPTION

74105 Push/Pull Battery Disconnect Mounting Kit





REMOTE BATTERY DISCONNECT SWITCH KIT. MORSE CABLE ACTUATED

- This kit allows for greater flexibility of mounting a remote battery disconnect lever
- Using a morse cable to actuate the battery disconnect switch allows more flexibility and greater distances between the switch itself and the lever that the driver, crew, or safety workers operate
- Included is Moroso Part No. 74100 Battery Disconnect switch for applications without alternators, Rating: 125 amps @ 6-36 volts DC
- Kit includes brackets, fasteners, handle, switch position decal and switch location decal for the exterior of the car



74118 Remote Battery Disconnect Switch Kit, Morse Cable Actuated



REMOTE BATTERY & ALTERNATOR DISCONNECT SWITCH KIT. MORSE CABLE ACTUATED

- This kit allows for greater flexibility of mounting a remote battery disconnect lever
- Using a morse cable to actuate the battery disconnect switch allows more flexibility and greater distances between the switch itself and the lever that the driver, crew, or safety workers operate
- Included is Moroso Part No. 74108 "Master Disconnect" 4-Pole switch. A 4-Pole switch is used to disconnect both the battery and the alternator feed simultaneously without the need for relays
- Kit also includes brackets, fasteners, switch position decal and switch location decal for the exterior of the car





PART# DESCRIPTION

74119 Remote Battery & Alternator Disconnect Switch Kit, Morse Cable Actuated

REMOTE BATTERY DISCONNECT SWITCH MOUNTING KIT. MORSE CABLE ACTUATED

- This kit allows for greater flexibility of mounting a remote battery disconnect lever
- Using a morse cable to actuate the battery disconnect switch allows more flexibility and greater distances between the switch itself and the lever that the driver, crew, or safety workers operate
- Kit also includes brackets, fasteners, switch position decal and switch location decal for the exterior of the car
- Use with Moroso Part Nos. 74100, 74101, 74106 & 74108 Battery Disconnect Switches or other similar switches





PART# DESCRIPTION

74117 Remote Battery Disconnect Switch Mounting Kit, Morse Cable



ELECTRICAL SYSTEM

PUSH BUTTON STARTER SWITCH

- Waterproof and dustproof with neoprene cap for in-car or under hood mounting
- 35 amp rated @ 12 volts

PART # DESCRIPTION

74120 Push Button Starter Switch



UNIVERSAL MOMENTARY SWITCH CABLE

- Heavy-duty spiral cable has 15 amp rating
- Ideal for transbrakes, brake line locks and nitrous systems
- The cable features two 16-gauge wires enclosed in a protective PVC outer layer
- Spiral cable stretches to 4 feet and "springs" back when relaxed
- Use with 15 amp Momentary Push Button Switch No. 74123

PART # DESCRIPTION

74115 Heavy-Duty Universal Cable, 15 amp DC



No. 74115

UNIVERSAL MOMENTARY SWITCH & CABLE

- Precision high-quality momentary switch with a coiled flex cable
- Used on roll control devices, nitrous oxide systems, as a push-to-talk button on radios, or in any other application where an instant on/off switch is needed
- The normally open, snap action, short throw switch mounts in a 1/4" dia. hole
- Rated at 6 amps @ 28 volts DC or 125 volts AC

PART # DESCRIPTION

74122 Universal Momentary Switch and Cable



ADJUSTABLE UNIVERSAL MOMENTARY SWITCH

- · Heavy-duty switch has 15 amp rating; ideal for operating a transbrake on drag race cars
- Adjustable collar allows the plunger travel to be preset from .020" to .219", making the switch "fast" or "slow" to suit individual reaction time requirements
- Screw-on type terminals
- Can be mounted through-panel or anywhere using the two mounting holes provided
- Use with Universal Momentary Cable No. 74115

PART # DESCRIPTION

74123 Adjustable Universal Momentary Switch, 15 amp DC



No. 74123

TOGGLE SWITCHES

- Momentary Switches ideal for starting engines
- On-Off Single Throw Switches control accessories such as lights, pump, fan, etc.
- Rated at 20 amps lamp load
- ON/OFF faceplate included

PART #	DESCRIPTION
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74124 Toggle Switch Momentary On, Long Handle, 1-½"
 74125 Toggle Switch On/Off, Long Handle, 1-½"
 74126 Toggle Switch On/Off, Short Handle, 11/46"





No. 74124

No. 74126

TOGGLE SWITCH COVER

- Fits over Moroso No. 74126 and other short handle 11/16" shaft-mounted toggle switches
- Features flip up lid that prevents switch from accidentally being turned on
- Protects switch from dirt
- · Helps denote different toggle switches from each other

PART # DESCRIPTION 74129 Toggle Switch Cover



QUICK DISCONNECT STARTER HARNESS

- Greatly simplifies the task of removing and reinstalling starters and engines
- Positive locking connector with waterproof seal keeps terminals moisture-free
- Manufactured from high impact, high temperature plastic for years of dependable service in racing environments

PART # DESCRIPTION

74245 Quick Disconnect Starter Harness, Fits: Tilton-style starters



STARTER HEAT SHIELDS

- Engineered to protect starters against damaging heat from exhaust manifolds or headers
- Ideal for extending starter life in both race and street applications, including tow vehicles and RVs
- High-temperature insulating material (Non-Asbestos) sandwiched between two sheets of aluminum

PART #	DESCRIPTION
1 (11) 17	DESCRIPTION

74299 Starter Heat Shield. Fits: Most passenger-side small Tilton-style starters
 74300 Starter Heat Shield. Fits: SBC and BBC engines with Delco starters





No. 74299

No. 74300

SWITCH PANELS

ROCKER SWITCH PANELS

- High-tech rocker style switches are dust and water resistant and feature a wide-profile face for use with racing gloves
- Aluminum panel versions feature laser-etched Moroso logo are black anodized to withstand years of constant use
- Fiber Design versions available (No. 74193) for enhanced styling
- All switches are single pole, single throw rated at 20 amps
- Other switch features include a heavy-duty spring for positive engagement, orange LED indicator lamp, and ¼" spade terminals to simplify wire connections
- Five resetable 20 amp circuit breakers (except No. 74186) eliminate the need for fuses and make it easy to reactivate
 the circuit while driving
- Switches and circuit breakers simply snap into place with locking mechanism for a secure attachment
- Includes complete wiring instructions and switch decal package to indicate start, ignition, fuel, fan, lights, nitrous and other uses

PART #	DESCRIPTION

74180 Flat Surface Mount, five on/off lighted switches with momentary start switch,

3.388" x 8", five circuit breakers, 20 amps ea.

74181 Flat Surface Mount, five on/off lighted switches without momentary start switch,

 $3.375\ensuremath{^{"}}\xspace$ x 8", five circuit breakers, 20 amps ea.

74183 Flat Surface Mount, five on/off lighted switches,

 $2.488\ensuremath{^{"}}\xspace$ x $6.695\ensuremath{^{"}}\xspace$, separate panel for five circuit breakers 20 amps each,

1.350" x 6.695"

74186 Flat Surface Mount, four on/off lighted switches, with momentary start switch,

no breakers, 2.488" x 6.695"

74190 Cage Mount, five on/off switches with momentary start switch, 3.750" x 8"

74193 Rocker Switch Panel, Grey/Black, Fiber Design, 8" x 3-13/32", Dash Mount



No. 74180

PART # REPLACEMENT PARTS 97535 Replacement Circuit Breaker

97542 Switch Panel Replacement Label Sheets

97543 ON/OFF Swith



No. 74181



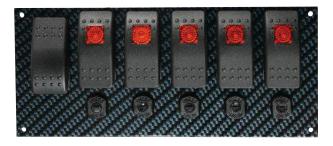
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No. 74190



No. 74183



No. 74193

SWITCH PANELS

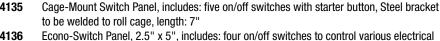
TOGGLE SWITCH PANELS

- Make custom wiring of your vehicle much easier and professional
- Face constructed of rugged .050" thick aluminum and black anodized to prevent corrosion, Fiber Design versions available for enhanced styling
- Power indicator lights and front mounted, E-Z access fuse holders with pigtails attached, features not found on other manufacturer's switch panels (except No. 74136)
- Heavy-duty on/off switches are 12 volt single-pole, single-throw with screw terminals rated at 20 amps lamp load
- Heavy-duty fingertip starter controls on Nos. 74130, 74131 and 74135 are waterproof and dustproof, and include screw terminals rated at 12 volts and 35 amps
- · A selection of custom labels is included so you can customize each Switch Panel to your individual needs
- Black anodized finish prevents corrosion, Fiber Design available for enhanced styling



No. 74130

PART #	DESCRIPTION
74130	Oval Track Switch Panel, 4" x 5", includes: Starter button, two on/off switches
74131	Drag Race Switch Panel, 4" x 7.75", includes: Starter button, five on/off switches
74132	Cage-Mount Switch Panel, Includes: five on/off switches without starter button,
	Steel bracket to be welded to roll cage, length: 5.5"
74133	Dash-Mount Street Switch Panel, 2" x 5.5", includes: five on/off switches, a separate
	7-station fuse panel for remote mounting
74134	Accessory Switch Panel, 4" x 6.75", includes: five on/off switches without starter button
74135	Cage-Mount Switch Panel, includes: five on/off switches with starter button, Steel bracke
	to be welded to roll cage, length: 7"
74136	Econo-Switch Panel, 2.5" x 5", includes: four on/off switches to control various electrical
	functions, and momentary long handle quitch for angine starting



74 functions, one momentary long handle switch for engine starting 74139 Switch Panel, Grey/Black, Fiber Design, Dash Mount, 4" x 7-3/4", Starter Button, 1/2" LED

74143 Switch Panel, Grey/Black, Fiber Design, Dash Mount, 2" x 5-1/2", 1/4" LED

74148 Switch Panel, Grey/Black, Fiber Design, 6-3/4" x 4", 1/2" LED



No. 74131



No. 74132



No. 74135



No. 74134



No. 74133



No. 74136



No. 74143



No. 74139



No. 74148

ACCESSORIES

FORD 9" DIFFERENTIAL SHIM & REPLACEMENT PARTS KITS

• Kits include hard-to-find items needed to assemble Ford 9" center sections

PART # DESCRIPTION

84750

84751

Drag Race Kit Contains: housing gasket; pinion shaft seal; nine pinion support shims consisting of one each .005", .006", .0075", .0082", two .004", and three .0105"; eight pinion pre-load shims for use with aftermarket aluminum pinion supports consisting of one each .005", .006", .0075", .0082", .009" and three .0105"; one pinion housing 0-ring; and one 3/4" -20 Ford pinion nut

Oval Track Kit Contains: nine pinion retainer shims consisting of one each .005", .006", .0075", .0082", two .004", and three .0105"; twelve pinion pre-load shims consisting of one each .005", .006", .0075", .0082", .009", .020", .030", two .050" and three .010"; one pinion spacer .375" thick; and one 3/4" -20 Ford pinion nut



No. 84751

REAR AXLE SPRING PERCHES, 2-1/2" WIDE

Fits: Ford 9", Dana 60 and other 3" diameter axle housings

• Precision stamped for easy weld-on installation

Two per package

PART # DESCRIPTION

85090 Rear Axle Spring Perches, 2-1/2" Wide



Competition Engineering Rear Axle Components on pg. 392



DANA 60 U-BOLTS

 Moroso has an agreement with Dana Corporation to market hard-to-get replacement parts for the Dana 60, a popular rear axle in the Competition Eliminator and Super Stock classes

PART # DESCRIPTION

85080 U-Bolts, Dana 60, also Fits Ford 9" with 1350 series yoke



GM 12 BOLT REAR END COVERS

- · Heavy duty steel stamping
- · Hand polished chrome plated finish
- Includes chrome fasteners and gasket

PART # DESCRIPTION

85330 Rear End Cover, Chevy 12-bolt, Chrome-Plated Steel



No. 85330

ACCESSORIES

U-JOINT GIRDLES

- Unique design provides more bearing surface for the universal joint bearing cap, for increased strength
- Manufactured from 7075-T6 aluminum with anodized finish
- Comes complete with fasteners
- One set per package

PART #	DESCRIPTION
85800	Use with 1-1/6" dia. cap and 1.415" bolt centers, gold anodized
	Fits: 1955-82 Chevy with U-Bolts; Dana 60 with U-Bolts
85810	Use with 1-1/6" dia. cap and 1.595" bolt centers, red anodized
	Fits: 1965-82 GM 12-Bolt with straps
85820	Use with 1-1/8" dia. cap and 1.540" bolt centers, dark blue anodized
	Fits: Dana 60 with straps. Also fits Chrysler 8-3/4"
	ring gear with large yoke (Type 7290 driveshaft)
85830	Use with 1-3/16" dia. cap and 1.668" bolt centers, black anodized
	Fits: 1350 Series race yokes including Mark Williams Ford 8.8,
	9" Ford Series with 9" ring gear
85850	Use with 1-1/16" dia. cap & 1.505" bolt centers, silver anodized
	Fits: Chrysler 8-3/4" ring gear w/ small yoke (Type 7260 driveshaft)



FILLER CAP KIT. STEEL APPLICATIONS. UNIVERSAL

• This kit comes with a 1-1/4" steel female bung that can be welded to steel; rear ends, tanks, valve covers, filler neck plates and other locations to replenish fluid or serve as an insection port

Use with 1-1/8" dia. cap and 1.575" bolt centers, light blue anodized

- The included filler cap is knurled for easy grip removal and replacement
- Filler cap is machined from 6061-T6 aluminum and includes an 0-ring for leak free sealing



Fits: Ford 9"

85860

85280 Filler Cap Kit, Universal, Steel Bung, 1-1/4"-12UNF Threads, 1.5"O.D.



No. 85280

FILLER CAP KITS. ALUMINUM APPLICATIONS. UNIVERSAL

- These kits comes with an aluminum female bung that can be welded to aluminum, tanks, valve covers, filler neck plates and other locations to replenish fluid or serve as an insection port
- Three kits are available, Knurled Filler Cap with 1.5" OD Female weld bung Contoured grip for easy removal and installation with either Moroso or Competition Engineering logo, 2.6" OD weld bung
- Filler caps are machined from 6061-T6 aluminum and include an O-ring for leak free sealing

PART #	DESCRIPTION
85282	Filler Cap Kit, Universal, Aluminum Bung, Black Anodized with Moroso logo 1-1/4"-12UNF Threads, 1.5"0.D.
85284	Fill Cap Kit, Universal, Steel Bung ,Black Anodized with Moroso logo, 1-1/4"-12UNF Threads, 1.5" O.D.
85283	Filler Cap Kit, Universal, Aluminum Bung, Black Anodized with Moroso logo, 1-3/8" -12UNF Threads, 2.6" 0.D.
<u> Деомияти</u>	7 <u>00</u> V

C9085 Filler Cap Kit, Universal, Steel Bung, Black Anodized with Competition Engineering logo, 1-3/8" -12UNF Threads, 2.6" O.D.



No. 85283

UNIVERSAL REAR SPOILER KIT

- Provides downforce to rear wheels for improved high speed stability
- Comes complete with support struts, mounting brackets, hardware and detailed instructions
- Can be trimmed to fit most applications
- Untrimmed dimensions: 57" length, 12" width and 24" struts
- Made from .050" 3003-H 14 Aluminum sheet

PART # **DESCRIPTION**

78740 Universal Rear Spoiler Kit



No. 78740

No. 85700



ACCESS DOOR

- .050" aluminum door is hinged to frame, providing quick and easy access to fuel cells, dry sump tanks or any other component
- · Comes with natural finish so customer can anodize or paint to match car color
- Door held securely closed with self-ejecting, flush-head Dzus fastener
- Includes all mounting hardware
- 6" x 6" door, 8-1/8" x 8-1/8" overall

DESCRIPTION PART# 85700 Access Door







SHEETMETAL & BODY

HOOD SCOOP PLUG

- Available for "Aero" series scoops
- Specially formed to fit snugly without falling out
- Bonding technology eliminates part separation
- Open cell foam allows engine to breathe while idling, preventing airborne debris from entering hood scoop

PART # DESCRIPTION

99430 Hood Scoop Plug, fits 3-1/2" x 12-1/2" to 13-3/4" openings



No. 99430

FLOOR PAN BRACE

Bolt-On Design

Fits: Camaro 2010-2015

- Like all high performance Pony Cars, 2010-'15 Camaros suffer from having a flexible chassis; which affects acceleration, handling,long term rattles and traction
- The first step in fortifying a Camaro 2010-'15 chassis is to use this Floor Pan Brace, which replaces the factory stamped steel piece
- Brace stiffens the floor pan and drive shaft tunnel area
- Constructed out of 1-1/2" x 2-1/2" x .120 wall rectangular tubing
- Easy to install bolt-on design that uses the existingmounting points
- Use with optional Part No. 78010, Frame Connectors for the ultimate in tying the front and rear subframes together and triangulating the chassis side to side
- · Durable gloss, black powder coat finish

PART # DESCRIPTION

78000 Floor Pan Brace, Bolt-on, for Camaro, 2010-2015



FRAME CONNECTORS

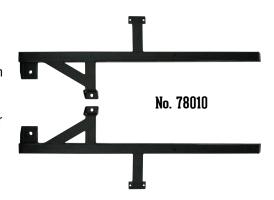
Bolt-On Design

Fits: Camaro 2010-2015

- Like all high performance Pony Cars, 2010-'15 Camaros suffer from having a flexible chassis; which affects acceleration, handling, long term rattles and traction
- These are true subframe connectors that form a solid foundation for better horsepower transfer and handling
- This design ties the independent rear suspension into the body of the car, while still allowing it to work like it was designed to
- · Race-proven, improved 60 foot times
- Constructed out of 2-1/2" x 1-1/2" x .120 wall rectangular tubing
- Easy to install bolt-on design that uses the existing floor pan and subframe mounting points
- Once installed, you will immediately notice diminished chassis shake, improved handling and reduced wheel hop
- Use with optional Part **No. 78000**, Floor Pan Brace (see above) to tie the front and rear subframes together and triangulate the chassis side to side
- · Legal for all classes of Drag Racing
- Durable gloss, black powder coat finish

PART # DESCRIPTION

78010 Frame Connectors, Bolt-on for Camaro 2010-2015



STEERING JOINTS. DRAG RACE

- Available in splined & unsplined configurations to fit a variety of steering shafts
- Drag Race Applications only

PART # DESCRIPTION

80110 Steering Universal Joint Unsplined. *Fits:* steering columns with ³/₄" O.D. shafts,

1-1/4" O.D.

80120 Steering Universal Joint Unsplined. Fits: steering columns with %" O.D. shafts, 1-1/4" O.D.

80130 Steering Universal Joint Unsplined. Specially designed to adapt Pinto rack & pinion manual steering box

to 5%" O.D. steering shafts, 1-1/4" O.D. with 9/16" -26 spline

80131 Steering Universal Joint, ¾-36 spline to ¾" 0.D. shafts, 1-¼" 0.D.

Fits: Ford power rack and GM manual, 1976 and up



OUICK RELEASE HUB & ADAPTER

SFI APPROVED QUICK RELEASE STEERING WHEEL HUB AND ADAPTER

- Meets NHRA, IHRA, SCCA, NASA and other sanctioning body criteria for SFI (Safety Foundation Inc.) requirement #42.1 concerning steering wheel attachment and release
- Hub manufactured from lightweight billet aluminum with anodized finish
- 5/16" -18 threaded bolt holes for mounting
- Spring loaded quick release pin is integral with the hub and features a large diameter engagement surface for use with bulky racing gloves
- Includes steering shaft adapter manufactured from 1018 steel for extra strength and ease of welding

PART # DESCRIPTION

80160 SFI Approved Quick Release Steering Wheel Hub and Adapter.

Fits: 3/4" O.D. steering shafts and steering wheels with a 3 hole, 1-3/4" diameter bolt pattern





FIVE HOLE STEERING WHEEL ADAPTER

- Allows racers to continue to use Moroso's Quick Release Steering Wheel Hub
 No. 80160 or similar aftermarket hubs with 3 hole bolt pattern when converting to steering wheels with a 5 hole bolt pattern
- Billet aluminum adapter includes all mounting hardware (steering wheel to adapter and adapter to hub)

PART # DESCRIPTION

C5078 Five Hole Steering Wheel Adapter





No. C5078

DRAG RACING TIRES & ACCESSORIES

DS-2™ FRONT TIRES

- Aircraft inspired tread design offers reduced weight, minimal rolling resistance and high-speed stability
- Asymmetrical tread pattern improves high-speed stability by reducing the tire's tendency to "walk" at the top end
- 4-ply nylon construction with high-strength bead provides added durability, especially during mounting and dismounting
- Ozone-resistant tire compound withstands the harmful effects of the sun and other environmental conditions
- Tested to 225 MPH with 1,000 lb. load
- · Bias ply style tires



No. 17040

SPECIFICATIONS: DS-2								
PART #	SIZE (INCHES)	APPROX. WEIGHT	DIA.	TREAD WIDTH	RECOMMENDED RIM WIDTH	OPERATING Pressure	SECTION WIDTH	CIRCUMFERENCE
17023	23.0 x 5.0 x 15	11 lbs.	23"	5"	3-1/2"-6-1/2"	30 psi.	6.2" on 5" Rim	72 -½16"
17040	24.0 x 5.0 x 15	11 lbs.	24"	5"	3-1/2"-6-1/2"	30 psi.	6.8" on 5" Rim	76- ½6"
17025	25.0 x 4.5 x 15	12 lbs.	25"	4.5"	3-1/2"-5"	30 psi.	6.4" on 5" Rim	78-1/4"
17026	26.0 x 4.5 x 15	12 lbs.	26"	4.5"	3-1/2"-5"	30 psi.	7.1" on 5" Rim	81"
17028	28.0 x 4.5 x 15	13 lbs.	28"	4.5"	3-½"-5"	30 psi.	7.7" on 5" Rim	86-¾"
17029	26.2 x 5 x 17	13.5 lbs.	26.2"	5"	4-1/2" -5-1/2"	30 psi.	6.12" on 4-½" Rim	82-5/16"

DRAG SPECIAL FRONT TIRES

- Tubeless construction and 2-ply nylon cord helps to reduce unsprung weight
- High cord angle and unique tread design reduce rolling resistance for increased speeds
- Shallow tread depth increases stability at high speeds
- Stronger mounting bead withstands higher pressures when adjusting for roll-out
- · Bias ply style tires



No. 17050

SPECIFICATION: DRAG SPECIAL									
PART #	SIZE (INCHES)	APPROX. WEIGHT	DIA.	TREAD WIDTH	RECOMMENDED RIM WIDTH	OPERATING PRESSURE	SECTION WIDTH	CIRCUMFERENCE	
17050	5.50 x 15	10 lbs.	25-1/4"	3-1/2"	3-1/2"-4"	30-35 psi.	5.7" on 4" Rim	78"	
17100	7.10 x 15	11 lbs.	27-¾"	4-1/8"	3-1/2"-5"	30-35 psi.	7.4" on 5" Rim	87-¾"	
17600	7.60 x 15	13 lbs.	29-1/4"	4-5/8"	3-1/2"-5"	30-35 psi.	8.0" on 5" Rim	90-¾"	

DRAG RACING TIRES & ACCESSORIES

TIRE COVERS

- Moroso Tire Covers keep tire pressures consistent by blocking hot rays
- Made from a rugged 6 mil vinyl reflecting outer surface laminated to an insulating backing of polyscrim
- Completely washable and available in two different styles
- No. 99410 fits right over the tire and is held securely in place by a 4"rear flap
- No. 99421 uses suction cups and hangs like a curtain against the body

PART # DESCRIPTION

99410 Tire Cover, fits over tires up to 33.5" x 17.5" x 15" 99421 Tire Cover, universal design with suction cups, 42" x 36"



No. 99421

No. 99410

DIGITAL DUROMETER

Includes Case

In racing where thousandth of a second can count, a durometer is used to check on; whether a tire has gotten too hard as it has aged, compare different tires hardness and softness against each other or how a tire responded to a chemical tire softener.

- Calibrated on a Shore type A scale, the scale used to measure the hardness of race and ultra high performance tires.
- Easy to read Digital readout with ½" tall numbers
- · Reads to .5
- Has a hold button to capture the reading on the readout
- Comes with a foam lined plastic case for storage of the unit when not in use

PART # DESCRIPTION

89585 Digital Durometer with Case



No. 89585





NHRA TIRE CONTINGENCY RULE (III)

NHRA's contingency rule for the Professional Categories states that the "vehicle must be equipped with all four tires bearing the same tire manufacturer's brand name" to be eligible for contingency awards. Please note that this rule applies only to the Pro classes. All other classes can use Moroso DS-2TM or Drag Special Front Tires and still be eligible for tire contingencies posted by any rear tire manufacturer.

CORPORATE APPAREL



Moroso arrow logo embroidered on chest and "original" Moroso logo patch on back

- Fitted, retrostyle silhouette
- Charcoal grey, heavyweight poly/ cotton twill with nylon quilted lining
- Solid brass zippered closure
- Two lower, inset on-seam pockets plus utility pocket on left sleeve

PART #	COLOR	SIZE
99620	Charcoal	Medium
99621		Large
99622		X-Large
99623		XX-Large

MOROSO AND COMPETITION ENGINEERING ADJUSTABLE CAPS

- Richly embroidered logos
- Fully adjustable for a custom fit
- Stay-cool vent holes for air circulation

ou, o	oor forst stored for all one
PART #	DESCRIPTION
99601	MOROSO FLEX HAT
	Moroso logo
C9020	COMPETITION
	ENGINEERING LOGO
	1st Generation CE logo
	in yellow

MOROSO PROMOTIONAL T-SHIRTS

- Limited Edition Designs
- Made from 100% Cotton

ı	DESCRIPTION	COLOR	PART #	SIZE
	A. DISTRESSED VINTAGE	Natural	99551	Medium
	Vintage and antiqued Moroso arrow logo in black		99552	Large
À	and red (front design only)		99553	X-Large
			99554	XX-Large
y			99555	XXX-Large
1	B. RETRO LOGO STRIPE	Black	99546	Medium
	Vintage Moroso arrow logo in black, red and white		99547	Large
ı	with silver racing stripe.		99548	X-Large
ı			99549	XX-Large
ı			99550	XXX-Large
ı			99557	4X-Large
ı	C. MOROSO FAMILY OF COMPANIES	White	99541	Medium
ı	Moroso arrow logo in black, red & grey on front		99542	Large
ı	and back with family corporate logos		99543	X-Large
ı			99544	XX-Large
ı			99545	XXX-Large
ı	D. SINCE '68	Charcoal	99534	Medium
	Limited edition design for Moroso's 40th Anniversary!		99535	Large
	Black, white and red flag logo on front and back.		99536	X-Large
			99537	XX-Large
			99538	XXX-Large



Detail of Competition Engineering logo on arm



MOROSO PERFORMANCE POLOS

- Richly embroidered logos on front and arm
- 100% Poly with stay-cool moisture wicking technology

DESCRIPTION	COLOR	PART #	SIZE
1. OGIO® POLO	Grey/Black	99581	Medium
Features colorblocked rib		99582	Large
knit panels and angled		99583	X-Large
zippered pocket		99584	XX-Large
2. SPORT POLO	Black	99586	Medium
Fine poly jacquard knit		99587	Large
with classic 3-button		99588	X-Large
placket		99589	XX-Large

MOROSO VINTAGE ADVERTISING T-SHIRTS

- Charming vintage advertising illustrations, lovingly recreated in full color
- 100% Cotton pocketed tee, with "original" Moroso logo



5.00			
DESCRIPTION	COLOR	PART #	SIZE
DICK'S DRIVE-IN	Off-White	99610	Medium
		99611	Large
		99612	X-Large
		99613	XX-Large
		99614	XXX-Large
DESCRIPTION	COLOR	PART #	SIZE
GRUMPY'S TOYS	Off-White	99615	Medium
		99616	Large
		99616 99617	Large X-Large
			J

MOROSO BUTTON DOWN CAMP SHIRT

- Richly embroidered logos on front and arm
- Classic, button down camp shirts

DESCRIPTION	COLOR	PART #	SIZE
3. BUTTON DOWN CAMP	Black	99591	Medium
Easy care poly-rayon blend		99592	Large
fabric with side vents		99593	X-Large
-		99594	XX-Large

MOROSO SWEATSHIRTS, HOODIE

- Thick cotton blend, preshrunk pullover hoodie
- Black with Moroso logo, front and rear
- Front "Through" pockets



DESCRIPTION	COLOR	PART #	SIZE
SWEATSHIRT	Black	99625	Medium
		99626	Large
		99627	X-Large
		99628	XX-Large



BY MOROSO



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FRONT MOTOR PLATE, PROFILED, FORD 289-302, 351W, 1979-'93

Make sure your motor stays in place!





No. C4015

- This Motor Plate comes already profiled which eases installation
- Provides a solid connection between the engine and the chassis
- Improves reaction and 60-foot times
- Eliminates twisting of the chassis caused by engine torque and ensures that the power gets to the rear wheels
- Computer designed and machined for accuracy
- Used by leading Chassis builders as a positive method of locating the engine in the chassis
- Perfect for performing engine swaps or setting a motor back in the chassis for increased weight transfer
- Includes mounting spacers

PART # DESCRIPTION

C4015 Front Motor Plate, Profiled, Ford 289-302, 351W Engines, 1979-'93

UNDERSTANDING SUSPENSION BASICS

Getting more power from an engine is something all racers are familiar with. Getting that power to the ground, however, is a science that few racers really understand. For those of you just starting out in drag racing, we've put together a basic overview of how chassis and suspension systems are affected by sudden acceleration. The Chassis PeopleTM at Competition Engineering want you to understand the relationship between engine power and the chassis, suspension and driveline systems of your car. By doing so, you will be in a better position to select equipment that allows you to hook up and lower ET's!

Without the right chassis and suspension setup, all the horsepower in the world will only go up in tire smoke!

As you're trying to understand how modifications to the chassis and suspension systems improve traction, it helps to keep one thing in mind. Power produced by your engine must take a direct path to "planting" the tires and "launching" your car forward. Any power that gets absorbed by the chassis and suspension is power that can't be used to get you to the finish line as quickly as possible.

There's a basic law of physics that states "for every action there is an equal and opposite reaction." Relating this principle to a game of billiards is relatively easy. But

applying it to chassis and suspension systems on a drag race car is more complex. When trying to understand how chassis and suspension setups affect traction, keep the "action/reaction" concept in mind. It will make things much easier to understand.

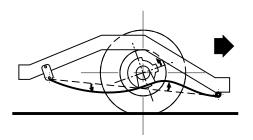
While race cars are designed for racing, street cars are designed primarily for carrying passengers safely and comfortably. From the factory, passenger cars are not equipped to handle high rpm launches from a standing start. This instant release of power places great strain on stock suspension systems and usually results in unwanted wheel hop, tire spin and parts breakage. Controlling this unwanted reaction is the job of a traction device, which limits the rotation of the rear axle housing and transfers forces to the track surface.

For example, the installation of traction bars is a popular way of limiting rotation of the rear axle housing. Traction bars mount directly to each side of the axle housing and extend forward like long arms or levers. When the housing begins to rotate during initial launch, the traction bars stop this action, holding the housing in place and converting some of the applied torque to a force which pushes the rear tires into the track surface. By stabilizing the axle housing, wheel hop is virtually eliminated, acceleration is smoother and parts breakage is minimized.

HOW "WHEEL HOP" OCCURS

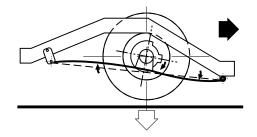
REAR AXLE HOUSING ROTATION WITHOUT TRACTION CONTROL

When horsepower is suddenly delivered to the differential, whether from a clutch or a torque converter, the pinion attempts to "climb" the ring gear. This sudden shock of torque causes the entire rear axle housing to rotate backwards in a counter-clockwise direction. This causes the springs to distort, resulting in severe driveshaft/U-joint misalignment.



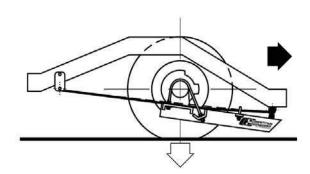
SPRING REACTION UNLOADS SUSPENSION, CAUSING "WHEEL-HOP"

The axle housing is allowed to continue its rotation until it meets resistance from the suspension/springs, which then try to "snap" the housing back to its original position. As power continues to the differential, the housing is once again allowed to rotate back against the springs. This action/reaction of the suspension, commonly known as "wheel hop," continues much like a tug-of-war. Instead of launching your car forward, you sit there bouncing around and spinning your wheels.



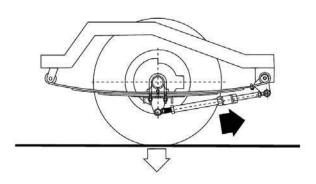
COMPETITION ENGINEERING TRACTION BAR LIMITS AXLE ROTATION

The bolt-on "Slapper Bar" is one of the most basic traction devices available. Originally pioneered by Bill "Grumpy" Jenkins in the mid-sixties, it gets its name from the way it works. One end of the Traction Bar replaces the stock spring pad and is clamped to the rear axle housing. The front end of the bar is suspended just below the spring eye. When the housing begins to rotate during launch, the bar also rotates until it contacts or "slaps" the spring. (Unlike other brands, Competition Engineering Traction Bars make contact directly below the front spring eye, preventing spring damage). When contact occurs, the Slapper Bar becomes a lever trying to push the axle housing down and planting the tires in the process.



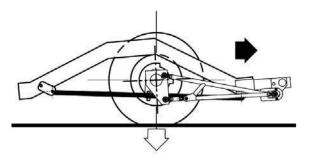
SLIDE-A-LINK TM

A revolutionary, patented, completely bolt-on traction device, the Slide-A-Link™, designed for both street and strip use is track tested and competition proven to outperform conventional "Slapper" bars. A solid mounted front plate is installed inside the original front spring pocket and clamps to the leaf spring to provide a positive displacement for the torque that is transmitted from the rear axle through the telescoping bar and special durometer shock pad. These forces, along with improved instant center geometry, provide better weight transfer for increased traction. Free travel and pre-load adjustments are made on the vehicle by adjusting the jack screw at the rear of the bar.



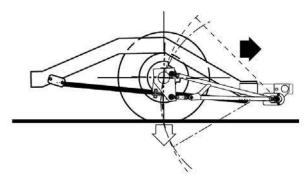
HOW LADDER BARS WORK

The Ladder Bar is a more sophisticated traction device because it serves as an extremely rigid, bridge-type truss that locates the rear axle housing directly to the chassis. With the axle housing held firmly in place, the torque applied to the differential is now transferred immediately through the Ladder Bars and into the chassis. By using the Ladder Bar to carry power to the chassis, the front end reacts by rising. As the front of the car travels upward, rapid weight transfer is created which "plants" the rear tires and propels the car forward.



HOUSING FLOATERS ELIMINATE SUSPENSION BIND

When using Ladder Bars with a leaf spring rear suspension, the axle housing cannot be rigidly attached to the springs. If it were, severe binding of the rear suspension would occur because the Ladder Bar and the leaf spring both travel in separate competing arcs. By allowing the housing to rotate and glide on the leaf spring, the Floating Housing Mount eliminates the bind and allows the Ladder Bars to work the way they were designed.



UNDERSTANDING SUSPENSION BASICS

Traction devices are only half the story. When used properly to transfer the torque action created in the differential into the chassis, other aspects of the car must also be enhanced. Since the chassis is the backbone of the car, the "action" of transferring power into it must not result in the "reaction" of twisting and flexing. Therefore, the chassis must be as rigid as possible. Frame Connectors are used to connect front and rear unibody subframes, effectively making them one piece. This eliminates unwanted flex in the chassis and prevents it from absorbing the power needed for acceleration. Solid Body Mounts, Solid Motor Mounts, Engine Torque Links and Solid Transmission Mounts contribute to forming a rigid structure and help eliminate unwanted twisting and power loss.

Large-diameter Tubular Control Arms, which are much stronger than stock units, also add rigidity, eliminate flex and help direct power to the ground. Finally, Roll Bars and Roll Cages help make the chassis and body solid while providing an extra measure of safety.

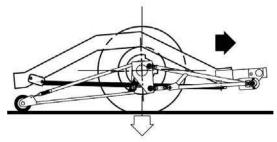
The suspension also contributes to overall performance. It serves as a flexible connection to the track, providing mechanical and hydraulic damping to control unwanted body and chassis movements. The suspension must remain flexible enough to offer a sufficient level of comfort and safety, while contributing to traction when subjected to sudden acceleration. Installation of

Competition Engineering's Adjustable Drag Shocks are one of the first steps taken to help stabilize suspension movement. In race applications, the front shocks play a dual role. When the front end lifts, they extend freely to increase weight transfer. When the front end begins to lower, these same shocks provide resistance to maximize the duration of weight transfer. Complementing the action of the shocks are Front Drag Springs, specially engineered for each application to hold a great amount of stored energy for instantaneous weight transfer. Rear Coil Springs are also available for specific vehicle weights to obtain the correct ride height, and provide full suspension travel for optimum weight transfer and traction. Stabilizer Bars are used in conjunction with both Ladder Bars and 4-Links. They center the rear axle housing within the chassis. This prevents lateral movement between the body and the suspension, which helps to provide high speed stability.

We hope that our introduction to chassis, suspension and traction systems has been helpful. From our simplified explanations you should realize that horsepower, while important, is not the only factor contributing to elapsed time results. A properly tuned chassis and suspension will convert engine power into traction. Our next section will help you to determine the level of equipment needed to obtain that traction.

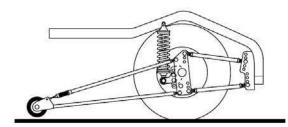
WHEEL-E-BARSTM HELP CONTROL WEIGHT TRANSFER

Although Ladder Bars and 4-Links provide lift to the front end by transferring weight to the rear, too much lift detracts from the forward motion and reduces overall performance. Installation of Wheel-E-BarsTM helps to maintain the correct amount of lift and controls weight transfer to maximize traction.



LADDER BARS VS. 4-LINKS

4-Links offer more adjustment over Ladder Bars and can handle higher torque loads. With two bars per side, one on top and one on the bottom, you basically have an open ended Ladder Bar. You can adjust the suspension for different track conditions by manipulating the mounting positions in the frame and axle housing brackets. This gives you the option of making the intersection point, or point of "instant center," as far forward or rearward to suit your particular needs. The point of instant center is the location where the upper and lower links would intersect if imaginary lines extended from the front of the 4-Link bars. Unlike a Ladder Bar where the point of instant center is always located at the bar's front mounting point, the instant center on a 4-Link changes quickly as the car is launched



CHOOSING THE RIGHT EQUIPMENT

Selecting chassis components is something that should not be taken lightly. It's just as important as choosing the right camshaft or gear ratio. Making the right chassis setup decision wins races. Making the wrong one leaves you with a car that doesn't perform as expected and usually ends up wasting a lot of your hard earned money. Before purchasing a single chassis component, you must first make some very important decisions concerning your car and the level of competition you plan to achieve. First. determine what you want out of your car. Are you looking for better performance from your street machine; do you want a dedicated race car that will never see the street: or do you want a performance street machine that can do occasional track time? If you are going racing, become familiar with all rules and guidelines established by your sanctioning body. Determine the horsepower level you want the engine to make.

Decide if you want to use bolt-on or weld-in components. Once you have addressed all of these important issues, you will be in a better position to choose the chassis components that are correct for your car.

To help both the beginner and seasoned racer select chassis equipment, we've grouped cars in four stages beginning with street performance and mild bracket cars, and ending up with "Outlaw" Pro Street and Pro Modified type race cars. In our **Blueprint for Performance**, we've built each of the four stages around the three most important factors concerning component selection:

- 1) Intended Use
- 2) Horsepower Level
- 3) Installation Complexity

Following along stage by stage will help you select equipment that best suits your performance requirements.

STAGE ONE

Street Performance & Mild Bracket Cars

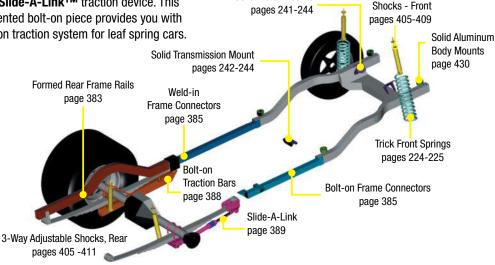
Our first stage is our entry level stage intended for those looking to get more performance from their street machine that may see some track time occasionally as a mild bracket racer. In this stage, horsepower levels are stock or slightly modified. All of the equipment can be easily installed with simple hand tools. No welding is required. All of the bolt-on equipment included in Stage One is intended to strengthen the chassis, suspension, body and drivetrain. By making the car more rigid, power is transferred directly to the wheels for improved traction.

To control wheel hop on older cars with leaf or coil springs, Competition Engineering offers **Bolt-On Traction Bars**. These bars limit rear housing rotation, thereby eliminating wheel hop and improving rear wheel traction. As a step up from the traditional Traction Bar, we now offer the **Slide-A-LinkTM** traction device. This revolutionary, patented bolt-on piece provides you with the ultimate bolt-on traction system for leaf spring cars.

For better handling and improved traction in rear coil spring equipped street cars, we offer **Tubular Rear Control Arms.** These rugged control arms are direct replacements for flimsy stock units, and serve to strengthen the suspension for quick launches and stable cornering.

The Mustang and GM A&G Body versions have three adjust- ment settings to suit changing track conditions. Additional components for this stage include Competition Engineering's Solid Aluminum Body Mounts that help eliminate chassis twist, and Solid Motor Mounts and Transmission Mounts to keep the engine from wasting torque by twisting in the chassis. For uni-body cars, Bolt-On Subframe Connectors create a rigid structure for direct transmission of power.

3-Way Adjustable



Solid Motor Mounts

CHOOSING THE RIGHT EQUIPMENT

STAGE TWO

Borderline Street Legal & Bracket Racing Cars

As horsepower levels start to increase, so does the need for stronger traction control. The components that make up Stage Two, along with the other stages that follow, will require skills in both welding and fabrication. Installation of this equipment will also cause street driveability to be affected. Stage Two cars may need to be trailered to the track.

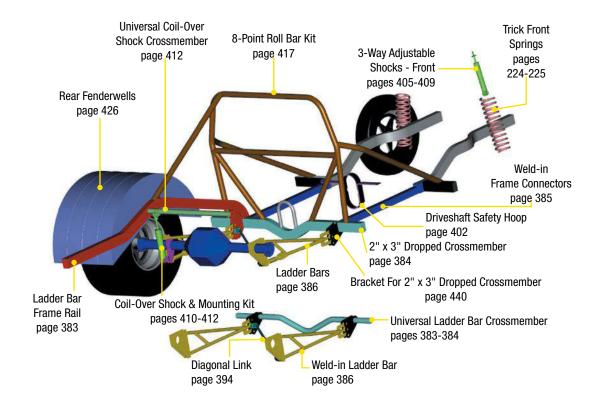
An **8-point Roll Bar** and **Bolt-On Driveshaft Loop** should be among the first components added when deciding to build more horsepower and go faster. A properly installed roll bar not only offers increased protection in the event of a crash, but also adds rigidity to the chassis which results in quicker E.T.'s.

The rear suspension also needs to be reinforced in order to handle the higher torque loads produced by the engine. The installation of **Weld-In Ladder Bars** and a **Tubular Crossmember** will help control the transfer of power to the rear wheels. If you're retaining leaf springs, you'll also need a **Housing Floater** (see **page 387**) to keep the springs from working against the Ladder Bars. To provide additional suspension adjustment without going through the trouble of installing a **4-Link**, Competition Engineering offers the

Ladder Link™. This popular traction device gives you more adjustability over standard Ladder Bars. Its 33-½" length is ideal for most applications.

More power also requires larger rear tires. To fit larger rear tires into a passenger car body, you'll need to enlarge the wheel housings and move the rear springs inboard. This can be accomplished by installing a set of our **Rear Fenderwells**, available in either steel or aluminum, and using our **Offset Spring Hangers** (see **page 413**) to relocate the leaf springs. You'll also need **Weld-In Subframe Connectors** to tie the front and rear subframes together in a uni-body car. For maximum strength on uni-body vehicles, our **Formed Rear Frame Rail Kits** provide a solid base for mounting a variety of traction components.

Additional components that make Stage Two complete include computer-designed **Trick Front Springs** for maximum front end lift and weight transfer, **Rear Drag Springs** that provide full suspension travel to take advantage of that weight transfer; **3-Way Adjustable Drag Shocks** to control suspension movement, and **Front End Travel Limiters** to prevent the front end from rising too high.





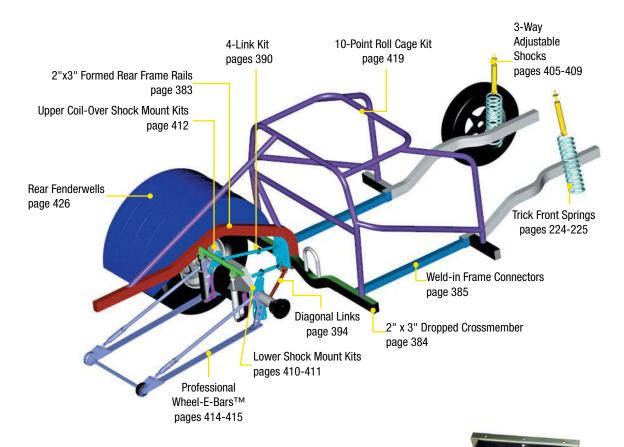
CHOOSING THE RIGHT EQUIPMENT

STAGE THREE

Pro-Street & Sportsman Class Cars

Stage Three includes all-out race cars that require fabrication skills to complete. Higher horsepower and larger tires also require that a dedicated racing suspension be installed. Installation of components included in this stage mandates that the car be "back-halved" to accept a fabricated rear frame and 4-Link rear suspension. The backbone of this stage is the 2" x 3" mandrel bent Rear Frame Rails and the 2" x 3" Dropped Crossmember.

This will give you a sturdy base in which to install our 4-Link Kit and Coil-Over Shock Mounts. In addition to this setup, an Axle Locating Device is required to keep the rear housing centered in the chassis. The installation of a 10-Point Roll Cage is mandatory to support the new back half, as well as to help protect the driver at increased speeds.



No. C5074

PART # C9100 C9200 C4029 C5073/74	DESCRIPTION Fabricated 9" Ford Rear End Housing, Chrome Moly Fabricated 9" Ford Rear End Housing, Mild Steel Battery/Weignt Box Steering Column Kits	PAGE 391 391 443 427-428	
			No. C4029
			10

No. C9100

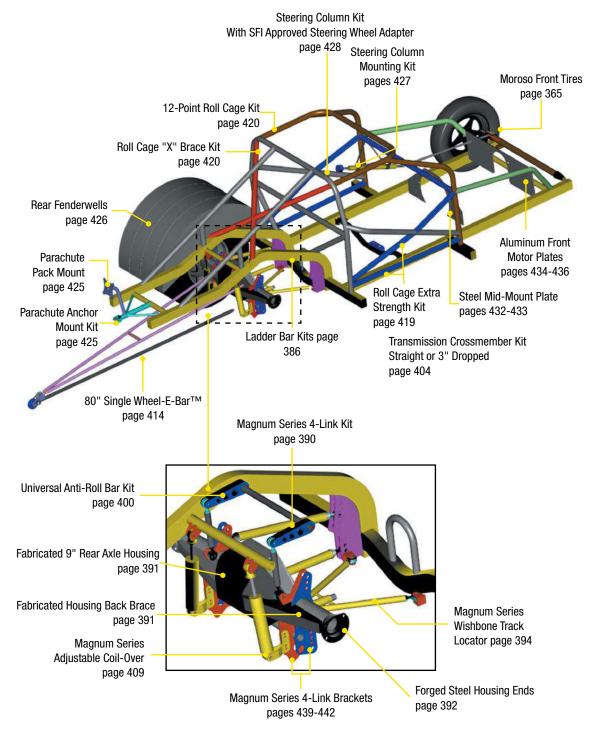
STAGE FOUR

Pro-Street & Pro-Modified Type Race Cars

We have designed this final stage for the professional racer. Hard core components for Stage Four include our 12-Point Roll Cage for maximum protection and chassis rigidity and our Magnum Series 4-Link to handle brute force horsepower levels. Our Wishbone Rear Axle Locator improves chassis stability. To locate the engine in tube chassis cars, Aluminum Motor Plates and Steel Mid-Mount Plates are computer machined for precise

fit and alignment. Fabricated Rear Axle Housings and 43" and 46" Monster Wheel Tubs are designed exclusively for Funny Car size slicks. To keep everything on a level attitude we strongly suggest our Universal 60" Wheel-E-Bars™ or 80" Single Wheel-E-Bar™. Additional components include Fabricated 9" Ford Housing, Steering Column Kit and Rack and Pinion Steering Units for the front end.





REAR FRAME KITS

Competition Engineering complete **Rear Frame Kits** with custom suspension options will save you hours of fabrication time. Each kit is individually welded on precise jigs for unmatched accuracy...getting you hooked up and winning, right out of the box!

When you choose a Competition Engineering **Rear** Frame Kit you know it's built with quality. Each and every component is manufactured with the finest American craftsmanship and materials, ensuring a perfect fit and years of dependable service.

Best of all, our efficient manufacturing processes make these built-to-order **Rear Frame Kits** available at a great price!

We've expanded our line of **Rear Frame Kits** to better meet the needs of our customers. Now, each Frame Kit has its own part number to make it easier to find and order exactly what you are looking for!



Complete Frame Kits Application Chart on pg. 382

DESIGN YOUR OWN REAR CLIP!

Widths - Frame Kits are offered in three widths; 24", 26" and 28". Welded or Unwelded - Frame Kits are available in your choice of welded or unwelded. The unwelded option is available only on the 28" Kit. This allows the chassis builder to cut to their desired width.

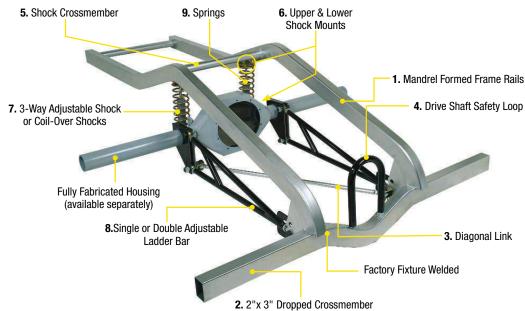
Suspension Designs - Four different are available; *Single Adjustable Ladder Bar*, Part **No. C2006**; *Ladder Bar* Double Adjustable Part **No. C2005**

(page 386); Standard 4-Link and Magnum Series 4-Link (page 390).

Shocks Options - Available with three different shock options; 3-Way Adjustable Drag Shocks (pages 405-411), Magnum Series Rear Coil Over Shocks (page 409).

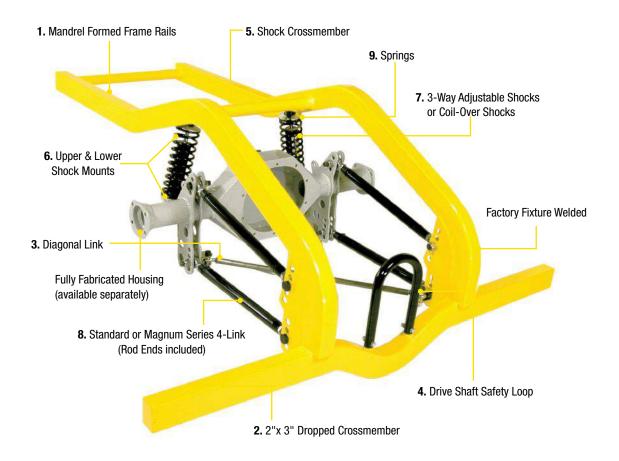
Spring Rate Options - Seven different spring rates are offered; 85, 100, 125, 150, and 200 lb., plus Progressive Rate Springs are available.

LADDER BAR REAR FRAME KITS



- Ladder Bar Frame Rails Specially engineered profile clears suspension and axle components, while accommodating low ride height and wide tires.
- 2" x 3" Crossmember Mandrel formed for uniform profile;
 3.5" drop center makes it adaptable to virtually any chassis design; 60" wide.
- 3. *Diagonal Link* ¾" 0.D. DOM steel with ½" Spherical Rod Ends for easy, in-chassis adjustment.
- 4. *Driveshaft Loop* 1-1/8" 0.D. mandrel formed Round Tube contains driveshaft during U-joint failure.
- Shock Crossmember Tubular design provides highstrength with light weight.
- Upper & Lower Shock Mounts Provides 6" of ride height adjustment.

- 7. Choice of 3-Way Adjustable Shocks or Coil-Over Shocks Single, externally adjustable Coil-Over Shocks with CNC machined billet aluminum body and 1" wide top/bottom bearings or economical 3-Way Adjustable Shocks with Spring Kit.
- 8. Choice of Competition Single Adjustable or Double Adjustable Ladder Bars (see page 386)
- Springs Matched to your specific rear vehicle weight. 2.5"
 I.D. x 12" long, premium-grade chrome silicone steel, powder coated for durability. Progressive Ladder Bar Rate Springs available.



EACH 4-LINK REAR FRAME KIT INCLUDES:

- **1.** *4-Link Frame Rails* Specially engineered profile clears suspension and axle components while accommodating low ride height and wide tires; Rugged 2" x 3" construction makes them strong without adding unnecessary weight.
- 2. 2"x 3" Crossmember Mandrel formed for uniform profile; 3.5" drop center makes it adaptable virtually any chassis design; 60" wide.
- 3. Diagonal Link $-\ ^3\!4''$ O.D. DOM steel with $\frac{1}{2}''$ Spherical Rod Ends for easy, on-chassis adjustment.
- **4.** *Driveshaft Loop* 1-1/8" O.D. mandrel formed Round Tube contains driveshaft during U-joint failure.
- Shock Crossmember Tubular design provides high strength with light weight.

- **6.** *Upper & Lower Shock Mounts* Provides 6" of ride height adjustment.
- 7. Choice of 3-Way Adjustable Shocks or Coil-Over Shocks
 - -Single, externally adjustable Coil-Over Shocks with CNC machined billet aluminum body and 1" wide top/bottom bearings or economical 3-Way Adjustable Shocks with Spring Kit
- **8. Choice of Standard or "Magnum" Series 4-Link Kits** Rod Ends included. (see page 390)
- Springs Matched to your specific rear vehicle weight.
 1.D. x 12" long, premium-grade chrome silicone steel, powder coated for durability. Progressive Rate Springs are also available..



Complete Frame Kits Application Chart on pg. 382



LADDER BAR FRAME KITS **24" WIDTH** PROGRESSIVE RATE SPRING **SPRING RATE** 85 LB 100 LB 125 LB 150 LB 200 LB 1.900 LBS TO 2.901 LBS TO 2.900 LBS 3.900 LBS 12 WAY ADJ. COIL-OVER SHOCK C0411 C0412 C0413 C0414 C0415 C0416 C0417 3 WAY ADJ. SHOCK C0421 C0422 C0423 C0424 C0425 C0426 C0427 **26" WIDTH** C0611 C0612 C0613 C0614 C0615 C0616 C0617 12 WAY ADJ. COIL-OVER SHOCK 3 WAY ADJ. SHOCK C0621 C0622 C0623 C0624 C0625 C0626 C0627 **28" WIDTH** 12 WAY ADJ. COIL-OVER SHOCK C0811 C0812 C0813 C0814 C0815 C0816 C0817 3 WAY ADJ. SHOCK C0821 C0822 C0823 C0824 C0825 C0827 C0826 LADDER LINK FRAME KITS **24" WIDTH** 12 WAY ADJ. COIL-OVER SHOCK C2422 C2423 C2425 C2426 C2427 C2428 C2436 C2429 C2430 C2431 C2432 C2433 C2434 C2437 3 WAY ADJ. SHOCK **26" WIDTH** C2611 C2612 C2613 C2614 C2617 12 WAY ADJ. COIL-OVER SHOCK C2618 C2619 3 WAY ADJ. SHOCK C2621 C2622 C2623 C2624 C2625 C2626 C2627 28" WIDTH 12 WAY ADJ. COIL-OVER SHOCK C2811 C2812 C2813 C2814 C2815 C2816 C2817 C2821 C2822 C2823 C2826 C2828 3 WAY ADJ. SHOCK C2824 C2827 4-LINK FRAME KITS **24" WIDTH** 12 WAY ADJ. COIL-OVER SHOCK C1411 C1412 C1413 C1414 C1415 C1416 C1417 3 WAY ADJ. SHOCK C1421 C1422 C1423 C1424 C1425 C1426 C1427 **26" WIDTH** 12 WAY ADJ. COIL-OVER SHOCK C1611 C1612 C1613 C1614 C1615 C1616 C1617 3 WAY ADJ. SHOCK C1621 C1622 C1623 C1624 C1625 C1626 C1627 **28" WIDTH** 12 WAY ADJ. COIL-OVER SHOCK C1811 C1812 C1813 C1814 C1815 C1816 C1817 C1821 3 WAY ADJ. SHOCK C1822 C1823 C1824 C1825 C1826 C1827 MAGNUM SERIES 4-LINK FRAME KITS (1/4" BRACKET WITH 5/8" HOLES) **24" WIDTH** 12 WAY ADJ. COIL-OVER SHOCK C1431 C1432 C1433 C1434 C1435 C1436 C1467 3 WAY ADJ. SHOCK C1437 C1438 C1439 C1440 C1441 C1442 C1468 **26" WIDTH** 12 WAY ADJ. COIL-OVER SHOCK C1443 C1444 C1445 C1446 C1447 C1448 C1469 3 WAY ADJ. SHOCK C1449 C1450 C1451 C1452 C1453 C1454 C1470 **28" WIDTH** 12 WAY ADJ. COIL-OVER SHOCK C1455 C1456 C1457 C1458 C1459 C1460 C1471 3 WAY ADJ. SHOCK C1473 C1461 C1462 C1463 C1464 C1465 C1466

FORMED REAR FRAME RAIL KITS

- · Replaces the stock rear rails in subframe equipped cars
- Engineered to move the leaf springs and frame rails inboard to provide additional tire clearance
- Designed to fit stock floor contours with minor fabrication
- Requires use of a fuel cell, Rear Fenderwells and an Upper Shock Crossmember (see Available Options)
- Eliminates stock sheet metal rear frame rails
- Increases chassis strength for quicker vehicle reaction times
- Manufactured from mandrel formed 2" x 3" x .083" wall mild steel tube
- Two rails and tube sleeves

PART #	DESCRIPTION
C3031	Formed Rear Frame Rail Kits, 1967-'69 Camaro, Firebird
C3032	Formed Rear Frame Rail Kits, 1970-'81 Camaro, Firebird
C3034	Formed Rear Frame Rail Kits, 1962-'67 Chevy II, Exc. Wagon
C3035	Formed Rear Frame Rail Kits, 1968-'76 Nova, Ventura II



PART # AVAILABLE OPTIONS

C3002-C3011 C3012-C3048 C2046

C2047

Rear Fenderwells Weld-In Subframe Connectors Upper Shock Crossmember Lower Shock Mount

UNIVERSAL FRAME RAILS KITS

- Available for both 4-Link and Ladder Bar suspensions
- Narrows the rear chassis to accept extra-wide racing tires
- Universal design for any car Pro Street to Drag Race
- Manufactured from mandrel formed 2" x 3" x .083" rectangular steel
- Use with **No. C3061** 2" x 3" crossmember for a solid mounting point for our suspension components
- Two rails and hardware per kit

DESCRIPTION PART # C3060* 4-Link Frame Rails, Universal C3062* Ladder Bar Frame Rails, Universal PART # **AVAILABLE OPTIONS** C3061 Universal Dropped Crossmember C3421 Magnum Series 4-Link Bracket C3408 Standard 4-Link Bracket C3411 Ladder Bar Bracket



*NOTE: Installation of this product requires stock rear floor pan be substantially modified or removed. The addition of a full roll cage is also required for proper installation.

CROSSMEMBER KIT

Ladder Bar

- Convenient kit includes components needed to install a Ladder Bar Crossmember on a Pro Street or Drag Race car
- Kit includes: 2" x 3" x 60" Dropped Crossmember, four Ladder Bar Crossmember Brackets and all hardware
- 60" length and full 3.5" drop-center profile makes this sturdy,mandrel bent Crossmember an ideal front attachment point on virtually any chassis design
- The ladder bar mounting holes are stamped on a 33" radius to allow quicker adjustments when used with Competition Engineering''s Ladder Bars

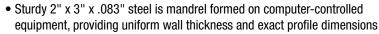
PART # DESCRIPTION

C3059 Crossmember Kit - Ladder Bar



2" X 3" DROPPED CROSSMEMBER

Makes fabricating a rear frame on a Pro Street or Drag Race car easier and more professional



- 60" length and full 3.5" drop-center profile makes this crossmember an ideal front attachment point on virtually any chassis design
- Use with Competition Engineering's Formed Rear Frame Rails Nos. C3060,
 C3062 or any other suitable frame rail kit

PART # DESCRIPTION

C3061 Dropped Crossmember, 2" X 3"



PART # AVAILABLE OPTIONS
C3060 Universal 4-Link Frame Rails
C3062 Universal Ladder Bar Frame Rails
C3409 Ladder Bar Brackets

LADDER BAR CROSSMEMBER

• Designed to provide a sturdy mounting point for the front Ladder Bar rod end

• Manufactured from 1-3/4" x .134" wall mandrel formed steel tubing

 Capable of withstanding the abuse of a racing suspension while adding strength to the chassis

 54" wide bar serves double duty as both a locating device for the Ladder Bars as well as a rear driveshaft loop

 Kit includes ³/₁₆" stamped steel brackets with 360° thru-mounting holes for increased strength

 Mounting holes stamped on a 33" radius to allow quicker settings without added adjustments

· Includes mounting hardware

· Welding required

PART # DESCRIPTION

C2019 Ladder Bar Crossmember



C2008 "Magnum Series" Double Adjustable Ladder BarTM

No. C2019

C2005 Ladder Link™
C2006 Competition Ladd

C2006 Competition Ladder Bar
PART # REPLACEMENT PARTS
C3418 Ladder Bar Brackets

FLOOR PAN BRACE

Easy To Install Bolt-On Design Uses Existing Mounting Points Fits: Camaro 2010-'15

- Even though 2010-'15 Camaros have a stiffer chassis than earlier models, they still suffer from flexibility; which affects acceleration, handling, long term rattles and traction
- Fortify your Camaro 2010-'15 chassis with this Brace, which replaces the factory stamped, steel piece to stiffen the floor pan and drive shaft tunnel area
- Use with optional Part No. C3180, Frame Connectors for the ultimate solution to tie the front and rear subframes together and triangulate the chassis side to side
- Durable, gloss black powder-coat finish

PART # DESCRIPTION

C3065 Floor Pan Brace, Bolt-on Design, 1-½" x 2-½" x .120 wall rectangular tubing



No. C3065



1970-1974

Weld-In

C3043

2" x 2" x .083" wall

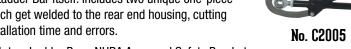
- · Eliminates bending, flexing and cracking of spot-welded sheet metal panels in unibody cars
- Ties the front and rear frames together creating a solid platform for increased performance levels
- · Legal for all classes of Drag Racing
- Bolt On Frame Connectors available in black powder coat finish
- Weld-in frame connectors available in Raw Steel

APPLICATION	ATTACH. Method	PART Number	STEEL TUBE DIMENSIONS	STOCK FLOOR PAN MODIFICATION REQUIRED	INSTALLATION NOTES
Camaro, Fireb					
1967-1969	Weld-In	C3012	2" x 2" x .083" wall	Yes	Must be used w/ formed frame rails
1967-1969	Bolt-On	C3112	2" x 1-½" x .083" wall	Yes	
1970-1981	Weld-In	C3013	2" x 2" x .083" wall	Yes	Must be used w/ formed frame rails
1970-1975	Bolt-On	C3113	2" x 1-1/2" x .083" wall	Yes	
1976-1981	Bolt-On	C3114	2" x 1-1/2" x .083" wall	No	
1982-1992	Weld-In	C3046	2" x 2" x .083" wall	Yes	Without Ladder Bar Crossmember
1982-1992	Bolt-On	C3111	2" x 1-½" x .120" wall	No	Factory exhaust/catalytic converter can't be used
<u>1982-1992</u>	Bolt-On	C3120	2" x 1-½" x .083" wall	No	Fits factory exhaust/catalytic converter
1993-2002	Bolt-On	C3108	2" x 1-1/2" x .083" wall	No	Fits factory exhaust/catalytic converter
Camaro					
2010-2015	Bolt-On	C3180	2-1/2" x 1-1/2" x .120" wall	No	Use w/ optional No. C3065 Floor Pan Brace
Chevy II/Nova					
<u>1962-1967</u>	Weld-In	C3014	2" x 2" x .083" wall	Yes	Must be used w/ formed frame rails
1962-1967	Bolt-On	C3118	2" x 1-1/2" x .083" wall	No	
Nova, Omega,	Ventura, Ap	ollo			
1968-1979	Weld-In	C3016	2" x 2" x .083" wall	Yes	Must be used w/ formed frame rails
1968-1979	Bolt-On	C3116	2" x 1-1/2" x .083" wall	No	
Mustang					
<u>1964-1973</u>	Weld-In	C3040	2" x 2" x .083" wall	Yes	Must be used w/ formed frame rails
1964-1970	Bolt-On	C3140	2" x 1-½" x .083" wall	No	_
1979-1993	Weld-In	C3048	2" x 2" x .083" wall	No	Our Weld-In Subframe
1979-1993	Bolt-On	C3141	2" x 1-½" x .083" wall	No	Connectors require the
2005-2014	Bolt-On	C3142	2"x 1-½" x .083" wall	No	floor pan in most cars
Chrysler "B" I					to be channeled and
1966-1974	Weld-In	C3047	2" x 2" x .083" wall	Yes	the floor to be welded to the side of the connector. Installing
1966-1974	Bolt-On	C3117	2" x 1-½" x .083" wall	No	subframe connectors this way
Duster, Demor	•			NI.	utilizes the shear strength of
1970-1976	Bolt-On	C3115	2" x 1-½" x .083" wall	No	the floor pan, resisting loads
Barracuda 1967-1969	Bolt-On	C3115	2" x 1-½" x .083" wall	No	in all directions. If you don't
1970-1974	Weld-In	C3043	2" x 2" x .083" wall	Yes	wish to cut the floor pan, you
Challenger	WUIU-III	UUUHU	L AL A.UUJ Wall	169	can use our bolt-on subframe
January 1901					connectors and weld them in

Yes

LADDER LINKTM DOUBLE ADJUSTABLE LADDER BARTM

Competition Engineering's Ladder Link TM Double Adjustable Ladder Bar™ is designed so that the user can adjust preload and pinion angle without removal of Part No. C2005. This is accomplished by adjusting the front rod end and/or rear rod ends of the Ladder Bar itself. Includes two unique one-piece brackets which get welded to the rear end housing, cutting down on installation time and errors.



- Comes with two Ladder Bars, NHRA Approved Safety Brackets and hardware
- Adjuster allows quick on-vehicle preload adjustments for changing track conditions
- Contains two one piece 3/16" steel mounting brackets make installation easier
- 33 1/2" overall length
- 1" dia. x .156" wall DOM steel tube construction
- Black powder coat finish
- Rod ends, Front Chrome Moly Spherical, Rear Fully **Machined Solid**
- Welding required

DESCRIPTION PART #

Ladder Link™ Double Adjustable Ladder Bar C2005



ROD ENDS INCLUDED! WITH ALL 4-LINKS, LADDER BARS AND LADDER LINKS

PART # C2019 C2030 C6152	RELATED COMPONENTS Ladder Bar Crossmember Floating Housing Mount Polyurethane Rod End
PART #	REPLACEMENT PARTS
C6011	Front Rod Ends
C6156	Rear Rod Ends-Right Hand Thread
C6157	Rear Rod Ends-Left Hand Thread

SINGLE ADJUSTABLE LADDER BAR

Competition Ladder Bar provides solid connection between rear axle housing and chassis, preventing rear suspension damage from wheel hop



- Contains two, one piece, 3/16" steel mounting brackets
- 1" dia. x .156" wall DOM steel tube construction
- Forged steel rear rod ends
- Welding required
- Rod end safety brackets installed
- Mounting bracket gussets included
- High quality alloy spherical front rod ends
- Black powder coat finish

PART # **DESCRIPTION**

C2006 Competition Ladder Bar

PART # **AVAILABLE OPTIONS** C2019 Ladder Bar Crossmember C2030 Floating Housing Mount C6152 Polyurethane Rod End



No. C2006



C6156 Rear Rod Ends - Right hand thread C6157 Rear Rod Ends - Left hand thread



Tabs & Brackets on pgs. 437-441

*NOTE: Competition Engineering's Ladder Bars are legal for all sanctioning bodies and include the mandatory front rod end safety brace at no additional charge. Additional gusseting material is also included in the kit to allow the rear brackets to be boxed for added strength.

LADDER BARS & ACCESSORIES

FLOATING HOUSING MOUNT

Bolt-On

- Eliminates the bind that occurs when Ladder Bars are installed on leaf spring equipped cars
- The Ladder Bars travel in one arc while the leaf springs travel in a separate, opposing arc
- Isolates the leaf springs from Ladder Bar system making it work properly without unwanted bind
- For use with 3" O.D. Axle Tubes

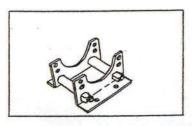
PART # **DESCRIPTION**

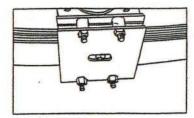
C2030 Floating Housing Mount, Bolt-On

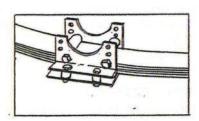


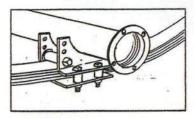
No. C2030

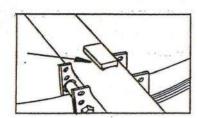
INSTALLATION IMAGES

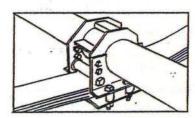














COMPETITION LEAF SPRING TRACTION BARS

Competition Engineering offers a variety of bolt-on traction devices to meet the needs of both the street enthusiast and the entry level racer. Bolt-on traction devices allow you to handle moderate levels of horsepower without having to weld and fabricate.

Unlike some other brands, our "bolt-on" components fit perfectly for a hassle-free installation. Each part is custom designed for the specific application. Instead of rushing to production, we spend a great deal of engineering time on each product, hand-fitting prototype parts on test cars to ensure proper fit and alignment.

In addition, our bolt-on products are manufactured on sophisticated computer controlled equipment to insure that all parts are made to extremely close tolerances. The result is a bolt-on traction device that fits perfectly out of the box. This eliminates the additional fabrication and struggling often required when installing so-called "bolt-on" products offered by others.

COMPETITION LEAF SPRING TRACTION BARS

Fits:1967-69 Camaro, Firebird; 1962-79 Chevy II, Nova; 1973-76 Buick Apollo; 1973-79 Olds Omega; 1971-79 Pontiac Ventura II

- Designed especially for Stock Eliminator and Bracket Race Cars with leaf springs
- Eliminates wheel hop and improves traction by directing force downward where the tire meets the pavement
- Sturdy 2.5" x 1.5" x .120" wall steel tubing handles horsepower levels up to 450 hp
- Fixture welded to ensure a perfect fit for each application
- Bar length designed so that snubber locates under spring eye for maximum traction
- Complete installation hardware included, nothing else to buy
- ½" J-Bolts included in kits where required, ½" U-Bolts supplied to replace stock hardware
- Square U-Bolt bracket on front designed to keep from rotating downward during hard braking
- Available in black powder coat or triple process chrome finishes
- Legal in all sanctioning bodies

PART # DESCRIPTION

C2101 Competition Leaf Spring Bars, Black Powder-Coated. *Fits:* 1967-'69 *Camaro, Firebird;* 1962-'79 *Chevy II, Nova;* 1973-'76 *Buick Apollo;*

1973-'79 Olds Omega; 1971-'79 Pontiac Ventura II

C2201 Competition Leaf Spring Bars, Chrome. *Fits:* 1967-'69 Camaro, Firebird; 1962-'79 Chevy II, Nova; 1973-'76 Buick Apollo; 1973-'79 Olds Omega;

1971-'79 Pontiac Ventura II

C2103 Competition Leaf Spring Bars, Black Powder-Coated

Fits: 1970-'81 Camaro, Firebird

C2109* Competition Leaf Spring Bars, Black Powder-Coated.

Fits: 1965-'73 Mustang

PART # AVAILABLE OPTION
C7025 Two Degree Wedge Plates

*NOTE: U-bolts instead of J-bolts

PART # REPLACEMENT PARTS

C7024 Rubber Bumpers. 2" diameter base. Two/card
C7030 U-bolts, 3" Radius w/ washers & lock nuts. Two/card

C7031 U-bolts, Square w/ washers & lock nuts. Two/card

C7032 J-bolt Kit. Incl. 2-1/2" J-bolts w/ all necessary standard

lock nuts & washers. Two/card

BOLT-ON TRACTION DEVICES

COMPETITION COIL SPRING TRACTION BARS

Effectively eliminates wheel hop and associated parts breakdown

- Designed to provide a high performance alternative to stock factory
 4-link suspensions
- Rugged 2" x 2" x .120" wall steel tubing construction withstands power levels found in racing and eliminates flex found in other bars
- · Computer-controlled stamping and mandrel-formed brackets ensure a perfect fit
- Adjustable threaded link design allows for fine tuning and infinite adjustability
- Includes all hardware and brackets necessary to complete the installation
- Engineered specifically for each application

PART # DESCRIPTION

C2111 Competition Coil Spring Traction Bars, Black Powder-Coated
Fits: 1968-'77 GM Intermediate: Chevelle, GTO, Cutlass, 442, Skylark, Gran Sport, 1970 Tempest, LeMans, etc.,

PART # AVAILABLE OPTION
C7025 Two Degree Wedge Plates
PART # REPLACEMENT PART

C7024 Rubber Bumpers. 2" diameter base. Two/card





No. C2101

No. C2201

BOLT-ON TRACTION DEVICES



SLIDE-A-LINK TM

- Patented (No. 6,386, 565) design for both street and strip' outperforms conventional "Slapper" bars
- Solid mounted front plate installed inside original front spring pocket and clamps to the leaf spring
- Provides a positive displacement for the torque from the rear axle through telescoping bar and special durometer shock pad
- Includes replacement lower axle mount pads, 1/2" U-bolts, aluminum front spring eye bushings, hardware and instructions
- Offers the adjustability of a 4-link, allowing you to tune for better 60-foot time
- Unlike rigid bars, adjustable link makes on-car pinion angle and preload changes quick and easy
- . Mounts to factory locations with no welding required
- Special durometer urethane bushing stores energy for more consistent E.T.'s
- Sold in pairs

PART # C2093	DESCRIPTION Slide-A-Link™. <i>Fits:</i> 1967-'71 Chrysler B-Body		
C2096	Slide-A-Link™. <i>Fits:</i> 1970-'81 Camaro, Firebird	PART #	DESCRIPTION
C2100	Slide-A-Link™ Fits: 1967-'69 Camaro, Firebird,1968-'79 Nova	C2090	Slide-A-Link [™] <i>Fits:</i> 1982-'00 Cheverolet S-10, GMC Sonoma Pickup Truck
C2099	Slide-A-Link TM	C2094	Slide-A-Link TM . <i>Fits:</i> 1964-'83 AMC, 1965-73
C2091	Fits: 1962-'67 Chevy II w/ monoleaf rear springs Slide-A-Link TM . Fits: 1964-'76 Dodge Duster, Demon, Scamp & Valiant	C2097	Ford Mustang,1968-'74 Javelin Slide-A-Link™. <i>Fits:</i> 1982-'00 Chevrolet S10/ S15 Lowered

SLIDE-A-LINK TM WRENCHES

- Two wrenches of correct size to fit Competition Engineering Slide-A-Link™ adjustment nuts
- Can fit under vehicle for easy adjustments in staging lanes
- Manufactured from billet aluminum with large grip handle
- · Black anodized for corrosion resistance

PART # DESCRIPTION

C2199 Slide-A-Link™ Wrenches



SLIDE-A-LINK TM REPLACEMENT BUSHING

For Use With Slide-A-Link™ Traction Devices

- Sturdy Polyurethane
- Two per package

PART # DESCRIPTION

C9700 Bushing, Replacement for Slide-A-Link™



No. C9700





No. C2017

STANDARD SERIES 4-LINK KIT

Offers enhanced adjustability over a ladder bar suspension for increased performance

By locating the bars with the various mounting holes in the brackets, you can create an instant center that is correct for your application.

Kit Includes:

- 17-1/4" long, 1" dia. x .156" direct threaded links
- · Adjusting nuts for quick tuning
- ¾₆" thick mounting brackets stamped from cold rolled steel
- Includes 4 left and 4 right hand chrome moly spherical rod ends
- 3/4" Grade 8, Fasteners and Jam Nuts Included
- Includes complete hardware and instructions
- · Welding required
- For 3" Axle Tubes
- · Sold in pairs

PART # DESCRIPTION C2017 Standard Series 4-Link Kit

PART # AVAILABLE OPTIONS
C3408 4-Link Chassis Bracket
C2052 Diagonal Link

CHROME MOLY ROD ENDS INCLUDED!

WITH ALL 4-LINKS. LADDER BARS AND LADDER LINKS



No. C2028

BETTER

MAGNUM SERIES 4-LINK KIT

Designed for ultra-high horsepowered race cars

Includes 1/4" thick housing & frame brackets (most competitors kits have 3/6" brackets) with 5/6" mounting holes on a 21" radius, with mounting holes for Wheel-E-BarsTM, sway bar and shock mounting as well as 1-1/4" holes for additional tube gusseting. We use 1-1/4" 0.D. x .095" wall top tube and a 1-3/6" 0.D. x .095" wall bottom tube to handle the shock loads without flexing.

Kit Includes:

- All hardware and mounting instructions to ensure an effortless installation
- ¼" thick Axle Bracket w/ integral shock mounting holes saves fabrication time by eliminating separate shock brackets
- Heavy Duty chrome moly steel link tubes and threaded tube inserts for added strength
- 21" mounting radius
- Computer machined threaded tube ends
- 1-1/4" holes provided in brackets for additional gusseting
- For 3" Axle Tubes
- Includes 4 left & 4 right-hand chrome moly spherical rod ends
- · Welding required
- Sold in pairs

PART # DESCRIPTION

C2028 Magnum Series 4-Link Kit
PART # AVAILABLE OPTIONS
C3421 Magnum Series Front Bracket
C2031 Magnum Series Diagonal Link
C2024 Magnum Series Wishbone

ULTRA MAGNUM 4-LINK KIT

Design offers additional adjustment over standard or traditional style 4-Link Kits for ultra-high horsepower race cars

This innovative Ultra-Magnum 4-Link Suspension Kit provides increased adjustability by incorporating a system of multi-hole brackets that weld to the chassis and bolt-on chassis brackets. Substantial gains in chassis tuning can be obtained with this Ultra Magnum 4-Link Kit.

Kit Includes:

- 3/4" x 1/2" Chrome Moly rod ends
- 4130 Chrome Moly tubes (.095" wall thickness)
- 1/2" NAS quality, flare head bolts & nuts
- Housing brackets with integral anti-roll bar mounts (1/4" plate)
- For 3" Axle Tubes
- Sold in pairs



PART #

DESCRIPTION

C2029

Ultra Magnum 4-Link Kit

REAR AXLE COMPONENTS

FABRICATED REAR AXLE HOUSINGS

Triangulated design offers increased strength over three piece stock housings

• CAD designed and CNC manufactured in-house

- Offered in 4130 Chrome Moly or Mild Steel
- Exterior welds ground smooth to eliminate stress risers
- 1/4" face plate for added strength
- Face plates accepts 3/8" press-in studs
- Includes drain plug and filler plug
- Carrier Stud Kit No. C9006 available separately

PART # DESCRIPTION

C9100 Full bodied car with cut-to length 3" dia. axle tubes, Chrome Moly,

60.75" overall length (Mild Steel tubes)

C9200 Full bodied car with cut-to length 3" dia. axle tubes, Mild Steel, 60.75"

overall length

No. C9200 [Mild Steel]

No. C9100

[Chrome Moly]

DRAGSTER REAR AXLE HOUSINGS

- Stronger .125" thick sheet metal shell is more accurately produced than any other rear end housings on the market
- Designed with overlapping joints that provide two weld seams to greatly improve strength compared to butt-welded housing shells
- Housing comes in standard 26.00" flange to flange width
- Withstands advanced E.T. applications: internal bulkheads stiffen the shell to the face plates preventing movement and adding strength around the housing mounting brackets
- 3/8" thick face plate is CNC machined after the housing is welded to ensure proper axle alignment to center section
- Includes a -6 AN drain plug, \(\frac{1}{8} \)" NPT fitting for a vent, and an aluminum o-ring filler cap
- All housings have machined symmetrical housing ends
- Carrier Stud Kit No. C9006 available separately

PART # **DESCRIPTION**

C9004 Dragster Housing, Drag, Mild Steel

PART# **REPLACEMENT PARTS** C9085 Rear End Cap, Black Anodized

with Logo



Rear View



Front View

9" FORD AXLE HOUSING BRACES

Fits: 9" Ford Heavy-Duty Housings and Competition Engineering Fabricated Housings

9" Ford rear axles are very popular in drag racing because of their light weight and the ability to change gears easily. The only disadvantage to this design is the tendency to flex and bow under

No. C9105 hard acceleration. As the pinion rotates, it tries to climb the ring gear. This force tends to flex the rear housing out of shape. To combat this flex. Competition Engineering has designed the 9" Ford Axle Housing Brace. This two piece brace welds directly to the rear housing, triangulating the main housing with the axle tubes to eliminate any flex. By eliminating the flex, you increase the amount of power applied to the tires and improve your ET's as well.

- Eliminates housing flex
- Two piece design makes it easier to install
- CAD designed, CNC manufactured
- · Contoured to fit for easier welding
- Made from 1/8" material

· Welding required

PART # DESCRIPTION

9" Ford Axle Housing Brace, Mild Steel C3405

C9105 Competition Engineering Fabricated Housing Brace, Chrome Moly C9205 Competition Engineering Fabricated Housing Brace, Mild Steel



No. C9507

REAR AXLE SPRING PERCHES

When installing a spring perch in a leaf spring car or moving the leaf springs inboard, these Moroso Axle Spring Perches are a necessity.

- Precision stamped for easy weld-on installation
- Fits Ford 9", Dana 60 and other 3" diameter axle housings
- Two per package

PART # DESCRIPTION

85090 Rear Axle Spring Perches



AXLE HOUSING. HEAVY DUTY

Whether narrowing a rear axle housing for bigger tires or just building a new housing for your race or street car, you will need housing ends to complete the project. You could re-use the old housing ends but most of the time they are either too rusty or damaged fror removal process.

Axle Housing Ends feature:

- Extra thick flange
- For 3" Axle Tubes
- Sold in pairs
- Welding required
- Forged
- Fully CNC machined

PART # DESCRIPTION

C9505 Axle Housing Ends, Big Ford w/ .515 dia. bolt holes,

Nominal 3.15" Bearing Bore

C9507 Axle Housing Ends, Ford 9" large 3.150" dia. bearing,

% " -24 Threaded, Spaced 3.557" W x 2.750"

C9510 Axle Housing Ends, Dana 60 Mopar 8-3/4", 3/8" -24 Threaded,

Nominal 2.875" Bearing Bore

NOTE: For use with aftermarket axles and bearings.





REAR AXLE COMPONENTS

REAR END FILL CAP KIT

- Comes with steel weld bung and O-ring
- Manufactured from 6061-T6 Aluminum, with contoured grip
- Universal kit can be used on rear end housings and steel tanks to replenish fluids

PART # DESCRIPTION

C9085 Rear End Fill Cap Kit, Black Anodized, 1-%" -12UNF Threads, 2.6" OD





Rear End Fill Cap on Moroso page 361

AXLE BEARING CONVERSION KIT

Fits: Dana 60 and Chrysler 8-3/4"

- Converts original tapered roller axle bearings to precision ball bearings
- Improves reliability and eliminates the stock load adjuster
- Includes retaining ring and gasket
- · One per package

PART # DESCRIPTION

C8008 Axle Bearing Conversion Kit



No. C8008

CARRIER STUD KIT FOR REAR AXLE HOUSINGS

- Designed for our Rear Axle Housings (pg. 391), similar sheet metal housings, or stock-style Ford 9" housings
- Heat treated, Grade 8 steel studs provide solid mounting points for the center section differential
- Manufactured with splined ends, the press-in studs are pulled through from inside the housing
- Includes nuts and copper sealing washers—far superior than steel to prevent seepage and leakage
- · Packaged in sets of 10 studs, nuts, and washers



No. C9006

PART # C9006

DESCRIPTIONCarrier Stud Kit

REAR AXLE HOUSING VENT

- · Reduces internal housing pressure while preventing dirt from entering housing
- Superior quality vent features 1/8" NPT Nickel Plated Steel threads and sintered bronze element for years of dependable service
- Protected low-profile element is recessed, preventing it from being knocked out like stock plastic designs
- Can be used as a replacement for stock vents or adapted to any rear axle housing; ideal for use on narrowed or fabricated housings



No. C3406

PART # C3406

DESCRIPTION

Rear Axle Housing Vent

2 DEGREE WEDGE PLATES

- Used to adjust pinion angle or change traction bar angle on leaf spring equipped cars and trucks
- Allows pinion angle change in 2° increments
- Made from 6063-T5 aluminum, they won't crack like cast zinc
- Interlocking ribs allow plates to be stacked without sliding and eliminate unwanted pinion angle change
- Two per package

PART # DESCRIPTION°
C7025 2° Wedge Plates



No. C7025

The Chassis People

REAR AXLE LOCATING & COMPONENTS



WISHBONE REAR AXLE HOUSING LOCATORS

Eliminates sway in Ladder Bar and 4-Link suspension systems

- Positively locates rear axle housing for super straight launches without binding
- Offered in two different styles: Un-welded (No. C2035) or Magnum Series Chrome Moly (No. C2024)
- Un-welded version manufactured from 1" O.D. x .156" wall DOM steel tubing with \(\frac{3}{4} \)" forged solid steel rod ends
- Magnum Series version has overall mounting width of 25" and an overall length of 31-7/6" making it perfect for most Sportsman and Pro Street applications
- Designed with the pro chassis builder in mind. Magnum Series Kit coordinates with our No. C2028 Magnum Series 4-Link
- Magnum Series features chrome moly tubing, precision machined 4130 tube inserts, \%" bolt mounting brackets and a centerless ground sliding link with machined wrench flats to ensure a precise fit
- Magnum Kit also includes a high strength ¾" spherical rod end for the front pivot and high mis-alignment rod ends for the side pivots. The sliding link is black oxide plated to eliminate corrosion and binding.
- Universal design offers you the ability to tailor the overall width and length for your specific application
- Kits include all hardware and all bracketry to complete installation
- Welding required for all kits

DESCRIPTION PART #

C2024 Wishbone Rear Axle Housing Locator Kit, Unwelded, Magnum Series, Chrome Moly, 3/8" hole (use No. C3423)

for ¾" mounting)

C2035 Wishbone Rear Axle Housing Locator Kit, Unwelded, Universal, 3/4" hole

DIAGONAL LINKS

Eliminates side-to-side housing movement

 Superior to the Panhard Bar for eliminating sway in Ladder Bar and 4-Link suspensions



No. C2031

- Are available in 4 different versions
 - -Bolt-On Diagonal Link, Part No. C2045 is constructed from 3/4" x .156" wall, 36.5" overall length, mild steel tubing with 1/2" hole mounting brackets
 - -Bolt-On Diagonal Link, Part No. C2052 is constructed from 3/4" x .156" wall, 36.5" overall length, mild steel tubing with 3/4 " hole mounting brackets
 - -Weld-On Diagonal Link, Part No. C2031 is constructed from 1" x .065" wall 36" overall length, chrome-moly tubing with weld-in tube adapters and 5/8" hole mounting brackets
 - -Weld-On Diagonal Link, Part No. C2053 is constructed from 1" x .065" wall 36" overall length, chrome-moly tubing with weld-in tube adapters and 1/2" hole hole mounting brackets
- Length can be shortened to accommodate a narrow chassis
- Left and right hand rod ends allow for on-car adjustments

 Kits inc 	clude all rod ends and mounting hardware
PART #	DESCRIPTION
C2031	Diagonal link, for 5/8 " rod ends, weld-on
C2045	Diagonal link, for ½" rod ends, bolt-on. Works with current style C2005 & C2006
C2052	Diagonal link, for ¾" rod ends, bolt-on
C2053	Diagonal link, for $\frac{1}{2}$ " rod ends, weld-on. Works with current style C2005 & C2006
PART #	REPLACEMENT PARTS
C3422	%" Clevis Bracket for No. C2031
C3423	3/4" Clevis Bracket for No. C2052
C3431	½" Clevis Bracket for No. C2045, No. C2053

REAR AXLE LOCATING COMPONENTS

PANHARD BAR KIT

- Eliminates side-to-side housing movement of the rear axle housing within chassis
- Keeps your tires from rubbing the wheel openings, making sure you get down the track in a straight line
- · Perfect for street driven vehicles
- Includes gusseted mounting brackets and spherical rod ends
- 30" tube length can be trimmed to fit
- Hardware and instructions included to ensure a trouble-free installation
- Welding required



DESCRIPTION PART# C2037 Panhard Bar Kit PART# **AVAILABLE OPTIONS**

C2017 4-Link C2006 Ladder Bar





No. C2138

ADJUSTABLE PANHARD BAR

Strength and adjustability far superior to factory-installed, steel bars Fits: Mustang, 2005 - 2014

- Eliminates housing movement within the chassis on Drag and Road Race cars
- Spherical rod ends on both sides allow for adjusting the alignment of the rear end
- Chrome Moly rod ends provide less deflection than stock rubber bushings
- . Constructed from chrome moly for light weight, strength and stability during hard acceleration and cornering
- Black powder coat finish for long-lasting looks

DESCRIPTION PART #

C2138 Panhard Bar, Adjustable, Spherical Rod Ends on both sides





No. C2139

PANHARD BAR. STREET/STRIP

Fits: Mustang, 2005 - 2014

- Bolt-in Panhard Bar perfect for Street/Strip vehicles
- · Constructed from tubular steel for light weight and strength
- Polyurethane ends provide less deflection than stock rubber bushings

 PART #
- Black powder coat finish for long-lasting looks

DESCRIPTION

C2139 Panhard Bar, Street/Strip



No. C2137

PANHARD BAR FRAME BRACE

Fits: Mustang, 2005 - 2014

- Much stiffer than stock stamped piece
- Constructed of 1.25" dia. steel tubing for strength
- Black powder coat finish for long-lasting looks

PART # **DESCRIPTION**

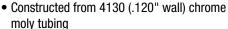
Panhard Bar Frame Brace C2137



395

LOWER CONTROL ARMS

For Drag/Road Racing
Fits: Mustang, 2005 - 2014



- Adjustability for pre-load, squaring chassis and wheel base
- Eliminates the flex of the factory control arms
- ¾" Chrome moly rod ends on both ends to increase strength and adjustability
- Comes with high grade 12.9 hardware
- Helps reduce wheel hop, improve traction, cornering and E.T. times
- Durable, glossy, black powder-coated finish
- Instructions included

PART # DESCRIPTION

C8010 Lower Control Arms, Drag/Road Racing, Adjustable



No. C8010

LOWER CONTROL ARMS

For Street or Racing

Fits: Mustang, 2005 - 2014

- Constructed from 4130 (.120" wall) chrome moly tubing
- Eliminates the flex of the factory control arms
- ¾" Chrome moly rod ends on one end
- · Retains stock rear offset bushings
- Greased fittings in rear to eliminate squeaks
- Adjustability for pre-load, squaring chassis and wheel base
- Can be adjusted on the car
- Helps reduce wheel hop, improve traction, cornering and E.T. times
- Durable, glossy, black powder-coated finish
- Instructions included

PART # DESCRIPTION

C8009 Lower Control Arms, Street/Racing, Adjustable

6000

No. C8009

LOWER CONTROL ARMS. REAR

Fits: 1978-'88 G Body GM Intermediates incl. Cutlass, El Camino, Grand National, Grand Prix, Malibu, Monte Carlo, Regal

- Mounting brackets for additional strength and easy install
- Brackets included are for mounting OEM sway bar and most aftermarket sway bars
- Direct bolt-on replacement for stock units
- Controls wheel hop and improves handling
- Improves 60 foot times
- 3-Way adjustable for changing track conditions
- Computer designed and CNC stamped 3/16" thick axle brackets
- High durometer polyurethane bushings with grease fittings for guiet operation
- Finished in black powder-coat
- Sway bar brackets are zinc plated for durability
- · Includes all mounting hardware
- Legal for Stock Eliminator Racing
- Welding required

PART # DESCRIPTION

C8003 Lower Control Arms, Rear





No. C8003

REAR AXLE LOCATING COMPONENTS

UPPER CONTROL ARM MOUNTING PLATE

For Drag/Road Racing Fits: Mustang, 2005-'14

- Mounting Plate Bolts in place of factory upper control arm mounting plate
- Plates are constructed from 1/4" thick steel, so does not flex like factory mounting plate
- Has two upper control arm mounting positions on each plate for instant center adjustment and pinion angle adjustment
- Durable, glossy, black powder-coated finish

PART # DESCRIPTION

C8016 Upper Control Arm Mounting Plate



No. C8016

COMPETITION ENGINEERING PRODUCT DEVELOPED AT:

THE DRAG STRIP



AND ON THE ROAD COURSE





UPPER CONTROL ARM. NON-ADJUSTABLE

For Street Use

Fits: Mustang, 2005-2014

- Constructed from 4130 .120" wall chrome moly tubing
- Polyurethane bushings on both ends
- Grease fittings to eliminate squeaks
- Much stronger than stock components to eliminate flex
- Helps reduce wheel hop, improve traction and E.T. times
- Durable glossy black powder coated finish
- · Instructions included

PART # DESCRIPTION C8019 Upper Control Arm



No. C8019

UPPER CONTROL ARM BUSHING KIT

Fits: Mustang, 2005-2014

- 88 Durometer Polyurethane bushing and steel sleeves for single upper control arm
- Improves attachment of the upper control arm to the rear end
- Less energy loss by reduced distortion compared to factory soft rubber bushing
- Use with Competition Engineering Upper Upper Control Arm Kit, Street/ Strip, Non-Adjustable No. C8019

PART # DESCRIPTION

C8017 Upper Control Arm Bushing Kit



No. C8017

TORQUE BOX REINFORCEMENT PLATES. LOWER

Fits: Mustang, 1979-2004

- Designed to tie lower torque boxes together for increased strength and durability
- Kit includes two stamped steel lower torque box reinforcement plates
- Welding required

PART # DESCRIPTION

C8015 Torque Box Reinforcement Plates, Lower



No. C8015

REAR AXLE LOCATING COMPONENTS

REAR UPPER CONTROL ARM SPHERICAL BEARING-BUSHING KIT

Fits: Mustang, 1979-2004

- · Constructed from billet aluminum
- Fits Ford 8.8 axle housing
- · Eliminates flex and binding, improves handling
- Provides positive location of rear axle housing

PART # DESCRIPTION

C3168 Arm Bearing-Bushing Kit, Spherical, Rear Upper Control



ADJUSTABLE PINION SNUBBER

Fits: Mustang, 1979-2004

- Controls wheel hop in mildly modified 1979-'04 Mustangs and similar Fox bodied cars
- Replaces stock pinion snubber, can be adapted to earlier models without factory snubber
- Easily adjustable in 1/4" increments for different driving situations
- Zinc and yellow chromate plated for extended durability

PART # DESCRIPTION

C2112 Adjustable Pinion Snubber



MUSTANG LOWER CONTROL ARMS

Fits: Mustang 1979-04, Drag Race/Road Race

- Reduced weight with increased strength
- Adjustable length for squaring axle to chassis
- Spherical rod ends for precise axle control while eliminating suspension bind
- · Perfect for drag racing or road racing
- Rear end brackets allow 3-way adjustment for improved performance
- Bolt in installation, includes all hardware



No. C8007

PART # DESCRIPTION

C8007 Mustang Lower Control Arms

"MAGNUM SERIES" ANTI-ROLL BAR

Universal Application





Fits: Tube Frame, Purpose Built and Modified Chassis Drag Race Cars

- Includes a formed, heavy gauge frame mounts, enabling you to install the torsion tube through the frame rails for increased strength
- Billet aluminum arms incorporate special splines to prevent arms from slipping on torsion tube
- Can be adapted to fit any type of race or street application
- Makes it possible to preload the chassis, elimination body roll during hard launches
- Allows the Drag Race car to drive straighter off the starting line, helping to improve 60-foot times
- Features ball bearing pivot point, which makes for smoother functioning and the unit can be disassembled for maintenance
- *Kit includes:* 1-4130 Chrome Moly torsion tube, 2-Adjustable splined billet aluminum arms, 2-Mounting brackets, 2-Adjustable links, 4-Rod Ends, 4-Weld in threaded adjusters, 2-Bearings flange mounted & hardware
- Welding required

PART # DESCRIPTION

C2027 "Magnum Series" Anti-Roll Bars, Universal Application, Rebuildable

MUSTANG ANTI-ROLL BAR

ANTI-ROLL BAR



Fits: Mustang, 1979-2004, Drag Race

- Includes a tubular style mount enabling you to install the torsion tube through the frame rails for increased strength
- Can be adapted to fit any type of race or street application
- · Makes it possible to preload the chassis, eliminating body roll during hard launches
- Allows the car to drive straighter off the starting line, helping to improve 60-foot times
- Kit includes: 4130 Chrome Moly torsion tube, 6061-T6 Billet Aluminum arms, threaded adjuster links, mounting tabs and hardware
- Welding required

PART # DESCRIPTION

C2021 "Magnum Series" Anti-Roll Bars, Ford Mustang, Spherical Bearings - Rebuildable

ROD ENDS

ROD ENDS

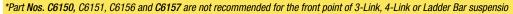
- A complete assortment of high quality rod ends to meet your specific application ranging from throttle linkages to suspension arms
- Includes one rod end and one jam nut
- Available in a number of sizes and in both right or left hand threads
- All-steel bodies are available in either carbon steel or chrome moly
- Chrome Moly is highly recommend for use exclusively in our 4-Link and Ladder Bar Suspension Kits; Polyurethane Rod Ends for street applications using Ladder Bars

No. C6011	
No. C6009	

No. C6150



PART #	MATERIAL Description	THREAD	SHANK & HOLE	STATIC RADIAL LOAD CAPACITY	
C6003	Low Carbon Steel	1/4" Right Hand	1/4" x 1/4"	2,225 lbs.	
C6004	Low Carbon Steel	%" Right Hand	3/8" X 3/8"	5,100 lbs.	
C6007	Low Carbon Steel	½" Right Hand	½" x ½"	8,386 lbs.	
C6009	Low Carbon Steel	%" Right Hand	%" x %"	9,813 lbs.	
C6010	Low Carbon Steel	%" Left Hand	5%" x 5%"	9,813 lbs.	
C6011	Low Carbon Steel	3/4" Right Hand	3/4" X 3/4"	14,290 lbs.	
C6012	Low Carbon Steel	34" Left Hand	3/4" X 3/4"	14,290 lbs.	
C6130	Chrome Moly Steel	34" Right Hand	3/4" X 3/4"	28,090 lbs.	A
C6131	Chrome Moly Steel	3/4" Left Hand	3/4" X 3/4"	28,090 lbs.	M
C6160	Extra-Heavy-Duty Chrome Moly	34" Right Hand	3/4" X 5/8"	40,590 lbs.	MADRE
C6161	Extra-Heavy-Duty Chrome Moly	3/4" Left Hand	3/4" X 5/8"	40,590 lbs.	SEE MURE
C6150*	Forged Steel	3/4" Right Hand Solid	3/4" X 3/4"	26,000 lbs.	Clevis Brackets
C6151*	Forged Steel	3/4" Left Hand Solid	3/4" X 3/4"	26,000 lbs.	on page 437
C6152	Polyurethane Bushing	¾" Poly	3/4" X 3/4"	18,500 lbs.	F-9- 101
C6156*	Forged Steel	3/4" Right Hand	3/4" X 1/2"	18,500 lbs.	
C6157*	Forged Steel	3/4" Left Hand	3/4" X 1/2"	18,500 lbs.	



"MAGNUM SERIES" CHROME MOLY ROD ENDS

The Best Choice for Ladder Bar and 4-Link Applications

- Self-lubricating, self-sealing Rod Ends have increased thickness for greater tensile strength
- Perfect for demanding Motorsports applications
- When loaded, creates metal to metal contact for unsurpassed strength yet when unloaded, the Rilsan[®]
 AZM30 injected liner will not rattle or squeak like standard two or three piece rod ends
- Jam nut included

PART #	DESCRIPTION	THREAD	SHANK & HOLE	LOAD CAPACITY	
C6014	Chrome Moly Rod Ends	¾" R/H	3/8" X 3/8"	9,500 lbs.	- No. C6014
C6017	Chrome Moly Rod Ends	%" L/H	3/8" x 3/8"	9,500 lbs.	
C6019	Chrome Moly Rod Ends	½" R/H	½" X ½"	12,696 lbs.	
C6020	Chrome Moly Rod Ends	1/2" L/H	½" X ½"	12,696 lbs.	
C6021	Chrome Moly Rod Ends	%" R/H	5%" x 5∕8"	14,480 lbs.	
C6132	Chrome Moly Rod Ends	%" L/H	5⁄8" x 5∕8"	14,480 lbs.	
C6133	Chrome Moly Rod Ends	¾" R/H	3/4" X 1/2"	23,256 lbs.	
C6153	Chrome Moly Rod Ends	3/4" L/H	3/4" X 1/2"	23,256 lbs.	No. C6019 No. C6154
C6154	Chrome Moly Rod Ends	¾" R/H	3/4" x 5/8"	23,256 lbs.	
C6155	Chrome Moly Rod Ends	3/4" L/H	3/4" x 5/8"	23,256 lbs.	No. C6021 No. C6162
C6162	Chrome Moly Rod Ends	¾" R/H	3/4" X 3/4"	23,192 lbs.	
C6163	Chrome Moly Rod Ends	¾" L/H	3/4" X 3/4"	23,192 lbs.	



IS THERE A MAINTENANCE PROCEDURE FOR ROD ENDS?

Yes. Before each race, rod ends should be examined for excessive play by moving the bar back and forth and noting any excessive ball movement. Visually inspect the rod ends for any signs of wear, cracks or metal filings. Replace any rod end that exhibits any one of these characteristics.

SHOULD ROD ENDS BE CLEANED PERIODICALLY?

Yes. Routine rod end maintenance should include cleaning and re-oiling. This can be accomplished by removing the rod ends, cleaning them with a solvent (for example, mineral spirits), and allowing them to air dry. Once dry, lubricate the rod ends with good quality 30-weight motor oil. For High Heat Applications, use Synthetic Grease.







BOLT-ON DRIVESHAFT SAFETY LOOP

Universal

- Meets the requirements of all sanctioning bodies of racing
- Safety Loops helps contain the driveshaft and prevents flipping the vehicle in the event of a front U-joint failure
- Simple bolt-together design allows easier installation
- Mounts to the floor pan with four fasteners per side offering increased strength over competitor's loops
- Manufactured from CNC formed 1/4" thick, 2" wide mild steel
- Finished in durable clear zinc plating



No. C3028

PART # DESCRIPTION

C3028 Bolt-on Driveshaft Safety Loop, Universal



TUBULAR DRIVESHAFT LOOP KIT

- Offers a lightweight, weld-in alternative to the bolt-on driveshaft safety loop
- Can be used in two locations on your vehicle to contain both the front and rear of the driveshaft—highly recommended in vehicles with fabricated sheet metal interiors
- Tubing is mandrel formed from 1.25" 0.D. x .083" wall mild steel tubing that is 54" long with a 4" drop center profile
- Kit features a bolt-on loop for easier driveshaft access in cars with removable transmission tunnels
- Removable loop for easy driveshaft removal
- · Welding required

PART # DESCRIPTION

C3029 Driveshaft Loop Kit, Tubular

DRIVESHAFT LOOP KIT

Fits: 1997-'04 Ford Lightning & F-150 Trucks

- Bolt-on design allows easy installation with no modification
- Removable loop for easy driveshaft removal
- Meets the requirements of all sanctioning bodies of racing
- Fits 2-wheel drive trucks w/ steel or aluminum driveshafts
- Helps contain the driveshaft in the event of a U-joint failure
- Made from 1.25" O.D. x .083" wall DOM mild steel tubing
- Finished in durable gloss black powder coating



PART # DESCRIPTION

C3090 Driveshaft Loop Kit, includes all hardware

DRIVESHAFT LOOPS

Camaro LS, LT, SS, ZL1 2010 - '14

- Bolt-on design allows easy installation with no modifications required
- Removable loop for easy driveshaft removal
- Meets the requirements of all racing sanctioning bodies
- Will help contain the driveshaft in the event of a front U-joint failure,
 keeping it from digging into the ground and possibly overturning the vehicle
- Manufactured from heavy-gauge fabricated steel
- Durable gloss black powder finish
- · All hardware included

PART #	DESCRIPTION
C3174	Driveshaft Loop, Standard Transmission
C3175	Driveshaft Loop, Automatic Transmission



DRIVESHAFT LOOPS

DRIVESHAFT LOOPS

Fits: Mustang 2005-'14

- Bolt-on design allows easy installation, driveshaft removal unnecessary
- For large diameter aftermarket and O.E.M. driveshafts
- Meets the requirements of all sanctioning bodies of racing
- Includes quality hardware for loop halves
- Manufactured from mild steel with a long-lasting black powdercoat finish

DESCRIPTION

C3160 Driveshaft Loop, Bolt-on, Fits: Mustang 2005-'14



No. C3160

DRIVESHAFT LOOP

Fits: Chrysler LX, Automatic Transmission Only, 2005-'17

- For Chrysler chassis cars-Challenger, Charger, Magnum and 300C
- · Bolt-on design allows easy installation with no modifications required
- Removable loop for easy driveshaft removal
- Meets the requirements of all sanctioning bodies of racing
- Will help contain the driveshaft in the event of a front U-joint failure, keeping it from digging into the ground and possibly overturning the vehicle
- Manufactured from 1.25" O.D. x .083" wall DOM mild steel tubing
- · Finished in durable gloss black powder coating
- All hardware included

PART # DESCRIPTION

Driveshaft Loop. Fits: Chrysler LX, Automatic Transmission Only C3161



No. C3161

DRIVESHAFT LOOP

Fits: Dodge Challenger SRT8®, 2009-'11, Standard Transmission

- Bolt-on design allows easy installation with no modifications required
- Removable loop for easy driveshaft removal
- Meets the requirements of all racing sanctioning bodies
- Will help contain the driveshaft in the event of a front U-joint failure, keeping it from digging into the ground and possibly overturning the vehicle
- Manufactured from heavy-gauge fabricated steel
- · Durable, gloss black powder finish
- All hardware included

PART # DESCRIPTION C3162 Driveshaft Loop



No. C3162

TRANSMISSION CROSSMEMBERS

- · Allows quick and easy transmission installation and removal
- Includes 42" x 1-%" x .134 wall EWT tube, four mounting tabs (flat) and four mounting tabs (concave) with all hardware

PART # DESCRIPTION

C3600 Transmission Crossmember, Universal, Un-welded

C3601 Transmission Crossmember, Universal, Un-welded with 3-1/2" offset





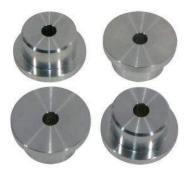
TRANSMISSION CROSSMEMBER BUSHINGS

Fits: Mustangs, 1979 - 1993

- The solid aluminum bushings act as a chassis stiffening device, helping to increase E.T. consistency
- They replace rubber bushings in factory crossmember
- · No modifications or welding required

PART # DESCRIPTION

C3610 Transmission Crossmember Bushings



No. C3610



SHOCKS AND COMPONENTS

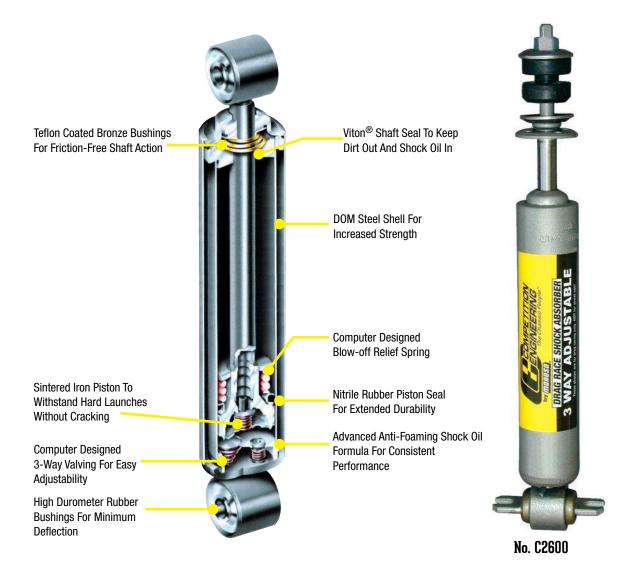
Competition Engineering's 3-Way **Adjustable Drag Shocks** are designed to allow the racer to dial-in the race car to meet changing track conditions. Shock valving plays a very important role in the way your car will perform both during initial launch and throughout the quarter mile.

The principle behind our shock absorber design is to allow the front end of the race car to rise rapidly upon initial launch, creating greater weight transfer and better traction to the rear tires. As the car travels down the track, the front end will gradually descend to its ride height without unloading the rear tires which is a major cause of wheel spin. Our rear shocks work in conjunction with our front shocks making the transition from initial launch to top end charge as smooth as possible.

Competition Engineering's **Rear Drag Shocks** can be adjusted for changing track conditions by simple compressing and turning the shock. For slick tracks, set to the 50/50 adjustment; on good tracks, set to the 70/30 for better weight transfer.

Competition Engineering's **Front Drag Shocks** are adjustable in three ratios: 90/10, 80/20 and 60/40. These ratios reflect the percentage of force required to extend and compress the shock absorber. You can quickly change the valve setting by simply compressing the shock fully and rotating the shaft until the indexing notch mates with the desired setting on the body. **It's as simple as twist and click.**

Our **Rear Drag Shocks** are also adjustable in three ratios: 70/30, 60/40 and 50/50. These ratios also represent the percentage of force required to compress and extend the shock unit. Only this time, the first number is compression and the second extension. These shocks also adjust by compressing them fully and rotating to the desired setting on the body.



NOTE: These shocks are designed for DRAG RACE use only! Not for street use.



SHOCK APPLICATION CHART

MAKE & MODEL YEAR			SHUC	V ALLTI	JAHUN CHAKI			
Ambassador, 1978-70 C2640 C2700 C270	MAKE & MODEL	YEAR			MAKE & MODEL	YEAR		
Ambassador, 1978-70 C2640 C2700 Ranchero 1978-74 C2639 C2700 Ranchero 1978-72 C2640 C2700 Ranchero 1978-76 C2640 C2700 Ranchero 1978-87 C2640 C2700 Ranger 2005-99 C2647 C2640 C2700 Ranger 2005-99 C2640 C2700 C2700 Ranger 2005-99 C2640 C2700	AMERICAN MOTORS	Į.	1		FORD			
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Hornet, Spirit 1983-70 C2640 C2700 Capri 1986-79 C2806" C2750 CAPYSLER/DOBG C7730 C6260 C2730 C730 C	Concord. Gremlin.							C2700
Eagle		1983-70	C2640		MERCURY			
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Valiant, Duster, Sport Scamp 1976-64 C2620 C2735 Regal 1987-73 C2600 C2720	Belvedere, Satellite	1974-73		C2730	Full Size Wagon	1986	C2610	C2700
GTX 1970-67 C2620 C2730 Riviera 1978-71 C2600 C2720 Road Runner 1975-68 C2620 C2730 Skyhawk 1980-75 C2600 C2720 FORD Skylark, Special 1979-68 C2600 C2720 Elite, Fairlane, LTD II, Torino 1979-72 1971-65 C2610 C2640 C2700 C2740 CHEVROLET Falcon 1970-66 C2640 C2700 S-10 Blazer 2WD, S-10 Pickup 2004-82 C2600 C2720 Full Size 1986-65 1959-57 C2610 C2610 C2700 C2740 Caballero, El Camino 1967-64 1987-68 C2610 C2600 C2720 C2720 Granada 1982-81 1980-75 C2640 C2750 C2640 Camaro 2002-93 1981-70 C2610 C2610 C2700 C2700 Maverick 1977-70 C2630 C2750 C2740 Chevelle, Malibu 1983-68 1967-64 C2600 C2610 C2720 C2720 Mustang, Fairmont 2004-79 1970-65 C2640 C2630 C2740 C2740 Chevelle, Malibu		1972-65	C2620	C2730		1985-71		C2700
Road Runner	Valiant, Duster, Sport Scamp	1976-64	C2620	C2735	Regal	1987-73	C2600	C2720
Skylark, Special 1979-68 C2600 C2720 1967-64 C2610 C2720 C2720 C2610 C2720 C2620 C2720 C2720 C2620	GTX	1970-67	C2620	C2730	Riviera	1978-71	C2600	C2720
Elite, Fairlane, LTD II, Torino 1979-72	Road Runner	1975-68	C2620	C2730	Skyhawk	1980-75	C2600	
Falcon 1970-66 C2640 C2740 CHEVROLET Falcon 1970-66 C2640 C2700 S-10 Blazer 2WD, S-10 2004-82 C2600 C2720 Pickup Full Size 1986-65 C2610 C2740 Caballero, El Camino 1987-68 C2600 C2720 1959-57 C2610 C2740 C274	FORD				Skylark, Special	1979-68	C2600	C2720
Talcon	Elite, Fairlane, LTD II, Torino	1979-72	C2610	C2700		1967-64	C2610	C2720
Falcon 1970-66 C2640 C2700 S-10 Blazer 2WD, S-10 Pickup 2004-82 C2600 C2720 Full Size 1986-65 1959-57 C2610 C2740 C2700 C2740 Caballero, El Camino 1987-68 1967-64 C2600 C2720 C2720 C2720 C2720 C2720 Granada 1982-81 1980-75 C2640 C2806* C2750 C2640 C2750 C2640 C2700 C2700 C2700 C2700 C2720 C2700 C2720 C272		1			CHEVROLET	ļ		100000
Full Size	Falcon	1970-66	C2640	C2700		2004-82	C2600	C2720
Full Size 1986-65 C2610 C2700 C2740 Caballero, El Camino 1987-68 C2600 C2720 C2720 Granada 1982-81 C2806* C2640 C2750 C2640 1992-82 C2700 C2720	T GIOOTI	1370 00	02040	02700		2004 02	02000	02720
1959-57 C2610 C2740 1967-64 C2610 C2720	Full Size	1986-65	C2610	C2700		1987-68	C2600	C2720
Granada 1982-81 1980-75 C2806* C2640 C2750 Camaro 2002-93 1992-82 C2700 C2700 Maverick 1977-70 C2630 1981-70 C2610 C2710 C2710 C2710 Mustang, Fairmont 2004-79 C2806 * 1973-71 C2640 C2740 T1970-65 C2740 C2740 C2740 C2740 Chevelle, Malibu T1983-68 C2600 C2720 T1967-64 C2600 C2720 C2720 C2720					,			
1980-75 C2640 1992-82 C2700	Granada		1	+	Camaro			
Maverick 1977-70 C2630 1981-70 C2610 C2710 Mustang, Fairmont 2004-79 C2806 * C2750 1969-67 C2600 C2700 1973-71 C2640 C2740 Chevelle, Malibu 1983-68 C2600 C2720 1970-65 C2630 C2740 1967-64 C2610 C2720		1	C2640					
Mustang, Fairmont 2004-79 C2806 * C2750 1969-67 C2600 C2700 1973-71 C2640 C2740 Chevelle, Malibu 1983-68 C2600 C2720 1970-65 C2630 C2740 1967-64 C2610 C2720	Maverick		C2630				C2610	
1973-71		2004-79		C2750		1969-67	C2600	
1970-65 C2630 C2740 1967-64 C2610 C2720		1973-71			Chevelle, Malibu		C2600	
Chevette 1987-76 C2700			C2630	C2740				
					Chevette	1987-76		C2700

*90/10 Drag Strut - Not Adjustable

HAVE YOU BEEN EXPERIENCING BAD WHEEL HOP WITH YOUR LEAF SPRING OR COIL OVER STREET/STRIP VEHICLE?

While there are many factors in determining why your car may be experiencing excessive wheel hop, we have found that weak springs and old, worn out shocks play a key role. Check your springs and shocks at least once a year for excessive wear. Worn out springs and bad shocks do not supply enough dampening to counter act the effects of spring wind up or weight transfer upon initial launch to effectively plant your tires. In turn they will cause wheel hop.

SHOCK APPLICATION CHART, continued

Make & Model	Year	Front Shocks	Rear Shocks	Make & Model	Year	Front Shocks	Rear Shocks
CHEVROLET (CON'T)				PONTIAC			
Chevy II, Nova	1979-74	C2600		Astre	1977-75	C2600	
without H.D. Suspension	1973	C2600		Bonneville	1986-82	C2600	C2700
with H.D. Suspension	1973	C2600	C2720	Firebird	2002-93		C2700
with Monoleaf Rear Springs	1972-68	C2600					C2700
with Multileaf Rear Springs	1972-68	C2600	C2720			C2610	C2710
	1967-62	C2605	C2705			C2600	C2700
Corvette	1982-63	C2610	C2700	Full Size	1986-63	C2610	C2720
	1962-53			Grand Am	1981-68	C2600	C2700
Full Size	1986-65	C2610	C2720	Grand Prix	1987-69	C2600	C2720
	1957-55	C2610			1968-62	C2610	C2700
Monte Carlo	1988-70	C2600	C2720	GTO	1973-67	C2600	C2720
Monza	1980-75	C2600		LeMans, Tempest-1970	1981-67	C2600	C2720
Truck, Full Size	2007-88	C2616		Sunbird	1992-76	C2600	
	1987-73	C2615					
Vega	1977-72	C2600					
OLDSMOBILE				Ventura II	1977-71	C2600	C2720
Cutlass, F85	1988-68	C2600	C2700	with H.D. Suspension	1973		C2720
without H.D. Suspension	1967-64		C2720	with Multileaf Rear Springs	1972-71		C2720
with H.D. Suspension	1967-64		C2700	ISUZU			
Full Size	1986-71	C2610	C2720	Impulse	1989-83		C2700
Full Size Wagon	1992-77	C2610		TOYOTA			
	1990-65	C2610	C2720	Corolla	1983-77		C2700
Omega	1979-73	C2600	C2720	Corona Mark II	1976-72	C2600	C2700
Starfire	1980-75	C2600		Corona	1978-74		C2700
Toronado	1978-71		C2720	1	1973-65	C2600	
				1	1964-61		C2720
				Celica	1977-73		C2700

*90/10 Drag Strut - Not Adjustable



HOW TO ADJUST COMPETITION ENGINEERING DRAG RACING SHOCKS

PLEASE NOTE: Before installation Competition Engineering Shocks need to have their shock ratio adjustment set.

The Shock Ratio represents the percentage of force required to compress the shock compared to the force required to extend it.

BEFORE INSTALLATION FOR THE FIRST TIME OR BEFORE ADJUSTMENT THE FOLLOWING PROCEDURE SHOULD BE FOLLOWED:

- 1. Upon removal of the shock from its packaging, it is important to "purge" the shock of any air that may be trapped inside during shipment. Skipping this step can make the shock feel as if it is not functioning properly. To purge the shock, simply hold it so that it points up and down and completely cycle it 12-15 times.
- 2. To begin making adjustment changes once the shock has been purged, you must compress the shock completely. On the inside of the shock, at the bottom of the adjuster is a small pawl. This pawl must make contact with the bottom of the shock body or it will not turn, and in doing so not change the settings of the shock. Keep in mind that you must have the shock pointed straight up while making adjustments to avoid aerating it.
- 3. With the shock still compressed and in the upright position, begin turning the shaft in the *clockwise* direction. This is where you will notice a series of clicks. Pay attention to these clicks and you will notice that one is more pronounced that the others. This is the key to properly setting the shock adjustment. This louder, more pronounced click is the beginning of the settings and should be considered the "R" or regular setting. The following series of softer clicks will be the "F" or firm setting, and finally the "XF" or extra firm setting. When turning the shaft to make adjustments, remember that you can only go clockwise. If you feel like you have missed the setting you were looking for do not worry, just keep turning the shaft until you hear the loudest click and you will be back to the default setting and can begin making shock adjustments.

As an example:

If you wanted to find the XF setting, you would go through all the steps mentioned and while listening for the clicks, you would hear a loud click and then two softer clicks.

This would be similar for the F setting, the loudest click and then one soft click.

Something else to keep in mind when making adjustments:

Trying to gauge the setting of the shock by compressing it in your hand and feeling the difference in Compression is not advised. Though you can compress the shock, you will not be able to simulate the weight of a vehicle or the speed at which it can cycle the shock. If you continually try to check adjustment by hand, it can cause the shock to aerate and feel inconsistent.

The only true way to verify adjustment of the settings is to record the vehicle at the track or to test the piece on a shock dynamometer

Adjustment Chart - Shock Ratio

١	SETTINGS	FRONT SHOCKS	REAR SHOCKS
	R	60/40	50/50
ĺ	F	80/20	40/60
ĺ	XF	90/10	30/70



FRONT SHOCKS SPECIFICATIONS CHART

PART NUMBER	EXTENDED LENGTH	COLLAPSED LENGTH	DIAMETER	UPPER MOUNT	LOWER MOUNT
C2600 C2610 C2616 C2647	14.10" 15.34" 17.31" 20.7"	9.00" 9.62" 12.56" 15.9"	1.63" 1.63" 2.0" 2.0"		
C2605 C2640	16.50" 14.34"	11.00" 9.24"	1.63" 1.63"		g g
C2620 C2639 C2645 C2646	16.84" 13.86" 17.22" 16.96"	10.37" 10.56" 12.22" 12.21"	1.63" 1.53" 2.0" 2.0"		[[]
C2630	15.02"	9.80"	1.63"		T
C2615	14.73"	9.63"	2.0"		

REAR SHOCKS SPECIFICATIONS CHART

Part Number	Extended Length	Collapsed Length	Diameter	Upper Mount	Lower Mount
C2700 C2705	21.69" 19.50"	12.84" 12.35"	1.63" 1.63"	<u> </u>	
C2710	22.43"	13.21"	1.63"		
C2720	22.87"	13.65"	1.63"		
C2730 C2755	23.62" 16.41"	14.15" 10.44"	1.63" 1.63"		
C2735	24.50"	14.50"	1.63"		
C2740	20.16"	11.81"	1.63"	<u> </u>	
C2750	21.65"	13.29"	1.63"	<u> </u>	



90/10 DRAG STRUTS

Unlike so-called "racing" struts that use stock dampening valving, Competition Engineering's Drag Struts feature a true 90/10 ratio. This race-proven dampening allows the front end to lift quickly for instant weight transfer to the rear tires. Plus, the design provides increased resistance when the front end descends, preventing the rear tires from unloading and maximizing traction.

- Gas charging reacts faster, eliminates foaming and won't fade like hydraulic designs
- Computer designed valving for consistent performance under severe racing conditions
- \bullet Micro-polished ${7}\!\!/\!\!{8}"$ dia. hard-chrome shaft reduces friction for faster reaction
- Bolt-In replacement for easy installation
- One per package

PART # DESCRIPTION C2806 90/10 Drag Struts

Fits: 1979-'93 Mustang, 1987-'88 Thunderbird,

1979-'86 Capri, 1980-82 Cougar,

1978-'83 Fairmont



MAGNUM SERIES REAR COIL-OVER SHOCK

Low Speed Fluid Control Valve

"MAGNUM SERIES" REAR COIL-OVER SHOCK ABSORBER

Competition Engineering's Rear Coil-Over Shocks are a part of our Magnum Series, a line of professional-grade products engineered for maximum performance and durability. They feature 12 settings, allowing you to tune the suspension from soft to firm with a simple turn of the knob.

- All-aluminum billet housing is CNC machined with a black anodized body
- Spring seats are adjustable for preload and accept 2-1/2" I.D. springs
- %" hardened chrome piston rod provides superior strength
- Advanced sealing reduces drag for faster reaction
- Includes two 1" wide spherical mounting bearings with locking snap rings
- 17" extended height; 13-3/4" to 14-5/8" recommended ride height; 11-3/4" compressed height
- One per package
- · Springs not included

PART # DESCRIPTION

C2770 "Magnum Series" Rear Coil-Over Shock Absorber



For Spring Choices on page 413



No. C2770

SHOCKS AND COMPONENTS

COIL-OVER SHOCK KIT

Adjustable

- Kit includes: 3-Way Adjustable Shocks, Upper Mounts, Adjustable Lower Mounts, Threaded Sleeve, Spring Cap, Seat and Hardware
- Universal design allows installation on a variety of chassis
- 3-Way Adjustable shocks provide controlled squat at the rear for improved weight transfer and traction
- Lower shock mounts have 6" of adjustment in one-half inch increments to suit ride height requirements
- Lower shock mounts are finished with zinc and yellow chromate plating and the threaded sleeve, spring cap and seat are anodized for corrosion resistance
- Fits housings with 3" O.D. axle tubes
- Springs not included
- Adjustable spring seat with locking set screw allow the spring rate to be finely tuned
- Use with Competition Engineering Rear Coil-Over Springs depending on specific rear-end weight, accepts 2.5" I.D. Spring

• Sold in pairs

PART # DESCRIPTION

C2765 Coil-Over Shock Kit, Adjustable



No. C2765

UNIVERSAL LOWER SHOCK MOUNTS

- Created for relocating non coil-over shocks when the rear frame rails have been moved inboard
- Manufactured from .25" mild steel
- Fits housings with 3" 0.D. axle tubes
- 1/2" bolt hole
- Four per package
- Accepts "eye" shock mount
- Welding required
- Fits all axle tube diameters

PART # DESCRIPTION

C3170 Universal Lower Shock Mounts



No. C3170



GREG ZOEMULDER WITH COMPETITION ENGINEERING SHOCKS

SHOCKS AND COMPONENTS

REAR COIL-OVER SHOCK KIT

- Universal design allows installation on a variety of chassis
- · Complete kit includes 3-Way Adjustable Shocks, Upper Mounts and Adjustable Lower Mounts
- 3-Way Adjustable Shocks provide controlled squat at the rear for improved weight transfer and traction
- Lower Shock Mounts have 6" of adjustment in ½" increments to suit ride height requirements
- · Lower Spring Perches and Shock Mounts are finished with a zinc and yellow chromate plating for corrosion resistance
- Fits housings with 3" O.D. axle tubes
- Use with Competition Engineering Rear Coil-Over Springs depending on specific rear-end weight, accepts 2.5" I.D. Spring
- Sold in pairs; replacement shocks sold separately

PART # DESCRIPTION

C2051 Rear Coil-Over Shock Kit PART # REPLACEMENT PARTS

C2755 Replacement Shock Absorber, each C3420 Replacement Shock Mounts

NOTE: Coil Springs not included





LOWER COIL-OVER SHOCK MOUNT KIT

- Designed to be used either by itself or in conjunction with our Upper Coil-Over Shock Mount Kit
- Provides a solid, adjustable mounting point for racing coil-over shocks
- Fits housings with 3" O.D. axle tubes
- Allows 6" of height adjustment in 1/2" increments
- 1/4" thick housing brackets, 3/16" thick shock brackets
- Fits most popular coil-over shocks
- Includes Grade 8 hardware and spacers for mounting two shocks
- Welding required

PART# **DESCRIPTION**

C2047 Lower Coil-Over Shock Mount Kit

PART # REPLACEMENT PARTS C3417 Coil-Over Shock Bracket, Right C3419 Coil-Over Shock Bracket, Left C3414 Coil-Over Housing Bracket

No. C2047



COIL-OVER SHOCK ADJUSTING TOOL

- · Makes adjusting coil-over shocks much easier than the commonly used hammer and screwdriver method
- Works with Moroso, Avo, Hal, Koni, Bilstein, Carrera, Monroe and most other coil-over shocks with adjusting nuts up to 3-1/4" diameter
- Manufactured of cast steel with finger indents for sure grip operation

DESCRIPTION PART#

62030 Coil-Over Shock Adjusting Tool



No. 62030

SHOCKS

REAR COIL-OVER MOUNT KIT

Fits: 1979-'04 Mustang, Without Shocks & Springs

- · Designed specifically to improve traction and handling
- Upper and lower shock mounts to fit stock rear locations
- · Bolt-in design with no welding or fabricating needed
- Includes all hardware and spacers

PART # DESCRIPTION

C2056 Rear Coil-Over Mount Kit



No. C2056

REAR SHOCK CROSSMEMBER

Fits: 1967-'69 Camaro, Firebird

- Required with **No. C2032** Offset Spring Hanger installation
- Ties rear subframe together for increased strength
- · Relocates shocks inboard of frame
- Provides solid mounting point for rear shocks
- Welding required

PART # DESCRIPTION

C3019 Rear Shock Crossmember



No. C3019

NOTE: Crossmember may be shortened 1" to fit 1968-72 Nova, 1971-72 Ventura and 1970-81 Camaro, Firebird.

UPPER COIL-OVER SHOCK MOUNT KIT

- Works in conjunction with our Lower Coil-Over ShockMount Kit No. C2047 to provide a solid mounting point
- Designed to mount between the rear frame rails on any Drag Race, Pro Street or Street Rod application
- Lightweight, tubular design makes it perfect for mounting shocks when "back-halving" a vehicle
- Includes one 40" long x 1.625" dia. mounting tube, 1/4" thick mounting brackets, 4 shock mount tabs, 4 shock spacers for older style coil-over shocks and all mounting hardware
- Fits most popular coil-over shocks
- · Welding required

PART # DESCRIPTION

C2046 Upper Coil-Over Shock Mount Kit



No. C2046

REAR COIL-OVER SHOCK MOUNTING & SPRINGS

REAR COIL-OVER SPRINGS

- Each spring is computer designed for specific rear end weights to establish the correct ride height and to allow the full range of suspension travel
- Maximizing the full potential of the springs based on vehicle weight provides optimum weight transfer, rear axle control and traction
- Manufactured on precise CNC equipment for superior accuracy and uniform spring rate from one spring to another
- Premium grade chrome silicon steel extends durability and maintains correct spring rate and ride height after repeated hard launches
- Powder coating provides an attractive finish and helps extend spring life
- Spring dimensions: 2.5" I.D. x 12" long
- · Sold in pairs

REAR COIL-OVER SPRINGS APPLICATION CHART

PART NUMBER	SPRING RATE LBS./INCH	TOTAL WEIGHT ON REAR WHEELS
C2550	85	Under - 1050 lbs.
C2555	100	1050 - 1150 lbs.
C2560	125	1150 - 1250 lbs.
C2565	150	1250 - 1450 lbs.
C2570	200	1450 - 1800 lbs.



No. C2550

PROGRESSIVE WOUND REAR SPRINGS, 12", 100-200 LBS.

An excellent choice for multiple applications

- For vehicles of unspecified weight (under 3,400 lbs. total)
- Progressive design reduces rate of compression, making it less likely for vehicle to "drive up" on the
 tire during violent wheel stands as the vehicle pitch rotates the weight to the rear wheels, this
 compresses the spring making it more conducive to lifting the front end
- Progressive springs compensate for added rear weight in Street Rods and Pro-street Cars using a back seat
- · Sold in pairs

PART # DESCRIPTION

C2575 Progressive Wound Rear Springs, 12", 100-200 Lb.

No. C2575

OFFSET SPRING HANGERS

Fits: 1967-'69 Camaro, Firebird; 1962-'67 Chevy II; 1968-'74 Nova; 1971-'72 Ventura

- Created for Super Stock classes, designed to relocate the rear of the leaf springs inboard 4" for additional tire clearance
- An additional 2-½" of tire clearance can be had by relocating the front of the leaf springs inboard and modifying both the axle mounting pads and the inner fenderwell
- Allows you to accomodate a 13"-14" racing slick
- OEM gas tank needs to be narrowed 2", or use a fuel cell

PART # DESCRIPTION

C2032 Offset Spring Hangers, Two per package



No. C2032

NOTE: Some welding required. Not for use with weld-in frame connectors





UNIVERSAL 80" SINGLE WHEEL-E-BARTM KIT

Competition Engineering has designed a single wheel Wheel-E-Bar™ kit that is perfect for both the professional and amateur chassis builder. The lower tube and wheel pocket are fixture welded in house for perfect alignment while still allowing the builder to trim it to any desired length. The 1" 0.D. x .065" wall chrome moly tube is strong yet lightweight, while the two hi-misalignment rod ends allow the bar to adjust to any rear axle housing without the need for a tubing bender. Each kit comes with all the necessary hardware and a detailed set of instructions.

- Extra Long Bar Improves Chassis Reaction Times
- Designed to Fit Any Application
- Includes All Necessary Hardware

PART # DESCRIPTION

C2148 Universal 80" Single Wheel-E-Bar™ Kit

- Strong, Lightweight Chrome Moly Construction
- Hard Plastic Wheel with Steel Bearings for Long Life
- Welding Required

PART # REPLACEMENT PART C7060 Replacement Wheel

UNIVERSAL 60" WHEEL-E-BARTM KITS

These Universal Wheel-E-Bar[™] Kits allow the professional chassis builder to fabricate bars to fit a specific vehicle. Each kit is available in mild steel with a choice of sprung or unsprung versions. The 60" long tubes can be cut to the desired length to suit individual needs. As an added feature, each kit includes the necessary material to install an upper crossbrace for increased strength. Wheel-E-Bars[™] are designed to mount to existing 4-Link or Weld-On Housing Brackets.

- Longer bar improves chassis reaction times
- · Mild steel tubing
- Designed for 28" housing mounting width
- Hard plastic wheels with steel bearings for long life
- Material included for x-brace installation
- Welding required
- Housing Brackets sold separately No. C7048

PART #	DESCRIPTION
C2140	Universal 60" Wheel-E-Bar™ Kit,
C2145	Unsprung, Seamless Steel Tubes Universal 60" Wheel-E-Bar™ Kit, Sprung, Seamless Steel Tubes
PART # C7048	AVAILABLE OPTIONS Axle Housing Mounting Bracket, qty.1
PART # C7060 C7051 90430	REPLACEMENT PARTS Replacement Wheel Replacement Spring Wheel-E-Bar™ Quick Relase Pins



No. C2145

REPLACE	REPLACEMENT PARTS FOR DISCONTINUED WHEEL-E-BARS™					
PART #	DESCRIPTION	FITS DISCONTINUED WHEEL-E-BAR™				
C7051	Wheel-E-Bar [™] Professional Springs. One per package	C2015, C2038				
C7052	Wheel-E-Bar [™] Professional Spring Adjusting Mechanism. One per package	C2015, C2038, C2039, C2155				
C7058	Wheel-E-Bar™ Replacement Wheel. Natural rubber w/ ball bearing center, ½" hole. One per package	C2015, C2038, C2039				
C7060	Wheel-E-Bar™ Replacement Wheel. Synthetic rubber w/ ball bearing center, ¾" hole. One per package	C2042, C2130, C2140, C2150, C2155				
C7066	Strut, Lower. Polished and Buffed Aluminum. One per package	C2015, C2045				
90430	Wheel-E-Bar™ Quick Release Pin. Two per package	C2015, C2038, C2039				

PROFESSIONAL WHEEL-E-BARS™

Wheelstands may look spectacular but they can actually hurt performance. Although some front end lift is beneficial to weight transfer, excessive lift can hurt. When a car wheelstands upon initial launch, it uses up power that could propel the vehicle forward. This results in slower ET's. As tire technology and horsepower levels progressed over the years, racers experimented with different ways to combat the wheelstanding problem. Most of the original designs consisted of merely bars or leaf springs that were welded directly to the rear end housing, hoping that they would prevent the front of the car from rising too high. One of the major problems with these early designs is that they caused the rear tires to unload resulting in a loss of traction.

Competition Engineering recognized this problem long ago and developed a series of Wheel-E-Bars™ designed to limit and control big wheelstands without unloading the rear tires. We accomplish this by utilizing an axle housing mounted bracket that allows the Wheel-E-Bar™ to react instantaneously with rear housing movement. As the rear housing rotates, the natural rubber wheels come in contact with the track. The shock of this contact is absorbed by both the lower aluminum struts and the coil spring upper struts which keep the tires from unloading. As the housing continues to rotate more and the front end begins to lift, the coil springs on the upper struts start to compress. The more that the springs are compressed, the more force they exert against the housing rotation, eventually overcoming the rising force of the front end and gently pushing it back down. This converts the rotational energy into forward motion, resulting in quicker ET's.



Designed to withstand the abuse of drag racing, the Competition Engineering Professional Wheel-E-Bar[™] Series is the choice of more racers than any other design when quality and premium materials count.

Each bar features lower spring adjusters made from 7075-T6 aluminum to allow for ease in preload adjustment. The lower struts are made from high strength 6061-T6 aluminum, enabling them to handle the forces applied to them without fatiguing. Each kit includes all the required fasteners as well as quick release pins to allow access to the rear end housing for jacking. 44" overall length, 22^{-1} /16" center to center mounting bracket distance.

• Fits 3" Axle Tube

PART # C2016 C2036 C2039 C2040	Professional Wheel-E-Bars [™] , Chrome plated with natural finish aluminum components Professional Wheel-E-Bars [™] , Chrome plated with black anodized aluminum components Professional Wheel-E-Bars [™] , Chrome plated with blue anodized aluminum components Professional Wheel-E-Bars [™] , Chrome plated with red anodized aluminum components
PART # C7046 C7047 C7048 C7051 C7052 C7058 C7060 C7066 90430	REPLACEMENT PARTS Conversion Kit, Bolt-on. Converts weld-in Wheel-E-Bars™ to bolt-on style Conversion Kit, Weld-In. Converts bolt-on Wheel-E-Bars™ to weld-in style Axle Mounting Bracket, quantity One Replacement Springs Professional. Spring Adjusting Mechanism. One per package Replacement Wheel. Natural rubber w/ ball bearing center, ½" hole Replacement Wheel. Synthetic rubber w/ ball bearing center, ¾" hole Replacement Lower Strut, Aluminum with natural finish Quick Release Pins. Two per package



BOLT-ON WHEEL-E-BARS™

Competition Engineering has designed a bolt-on version of our famous Wheel-E-Bars[™] specifically for street enthusiasts. Utilizing similar components as our Professional Wheel-E-Bars[™] we were able to adapt them for street use by replacing the weld-in mounting brackets with bolt-on brackets.



BOLT-ON CHROME ROUND TUBE WHEEL-E-BARTM

- Bolt-On design, no welding required
- Round tube design, for 3" Axle Tubes
- Triple process, show quality, chrome plated finish
- Available in sprung and unsprung versions
- 44" overall length
- 18-%" center to center mounting bracket distance
- Includes all hardware and mounting instructions
- Synthetic Rubber Wheels

PART #	DESCRIPTION
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C2043 Bolt-On Chrome Round Tube Wheel-E-Bar™, Sprung

PART # AVAILABLE OPTIONS

C7058 Natural Rubber Replacement Wheel

PART # REPLACEMENT PARTS

C7051 Professional Springs. One per package

C7052 Professional Spring Adjusting Mechanism. One per package
 C7060 Replacement Wheel. Synthetic rubber w/ ball bearing center, ¾" hole



No. C2043

INSTALLATION ON REAR AXLE HOUSING

With car on level surface, locate Bolt-on Wheel-E-BarTM under the car with the brackets up against the housing and prop up the Wheel-E-BarTM wheels to a height of about 6" off the ground for street use (3-1/2" for strip use). In this position, fasten the Housing Saddle Brackets over the rear end housing and attach to Rear Housing Brackets using the hardware provided. If the Rear Housing Brackets are too big for your particular housing so that they cannot be bolted securely, The Housing Bracket Saddle can be welded to the housing and the Rear Housing Bracket bolted to it, thereby allowing the Wheel-E-BarsTM to be removed.

STATE AND LOCAL ORDINANCES

May prohibit the Bolt-on Wheel-E-Bars[™] from extending beyond the rear bumper. If this situation exists and you wish to shorten the Wheel-E-Bars[™], the upper and lower struts can each be shortened and re-drilled. Care must be taken to insure that the Bolt-on Wheel-E-Bars[™] will clear driveways, etc., without being severely loaded. If the bars are to be used for street use, it is recommended that they be loosely bolted to the housing while backing out of and pulling into a driveway (for example) until the bars "adjust" to the required height. Once this height is determined, the bars can be secured to the housing.

CAN I USE A BOLT-ON STYLE WHEEL-E-BAR™ FOR RACING?

Although our Bolt-On Wheel-E-Bars[™] are intended for a Pro Street look, they contain many of the same components used in our Weld-On Wheel-E-Bars[™] for racing. In fact, the only difference is the bracketry which in its bolt-on configuration is not strong enough to control the vehicle in a wheelstand. By removing the clamp bracket and welding the axle bracket directly to the housing, you have a Wheel-E-Bar[™] suitable for both street and strip use.

8-Point Roll Bar

from image shown)

(Actual product may vary

8-POINT ROLL BARS

Competition Engineering offers a variety of Roll Bars and Roll Cages to meet the different requirements of most racers. Countless hours were spent developing and perfecting these kits to offer the utmost in strength and fit without adding unnecessary weight. All tubing used in our kits exceeds the requirements of racing sanctioning bodies and is mandrel formed on computer controlled equipment for uniform wall thickness. Every Competition Engineering Kit has been designed to fit the specific application with only minor modifications necessary for installation.

- Manufactured from 1-3/4" O.D. x .134" wall mild steel or 1-3/4" O.D. x .083" wall aircraft-quality AMS-T-6736 chrome moly tubing
- · Increases chassis strength
- Provides added safety
- Mandrel formed, model-specific main hoop
- NHRA and IHRA approved
- Tube ends notched for better fit and easier installation
- Strut Kits include two rear struts, two front door bars, main hoop crossbrace, two diagonal hoop supports, six weld joint gussets and eight 6" x 6" x 1/8" thick steel mounting plates
- Complete instructions are included to ensure a hassle-free installation
- Welding required

PART#

TWO PART NUMBERS are required to get a complete 8-Point Roll Bar Kit!

You must order both A) the appropriate 8-Point Main Hoop Kit and

B) Strut Kit No. C3000 for Mild Steel OR Strut Kit No. C3100 for Chrome Moly (unless otherwise noted)*

8-POINT ROLL BARS APPLICATION CHART A) MAIN HOOP

APPLICATION

AL MAIN HOOD

B) STRUT KITS

DESCRIPTION

8-Point Strut Kit, Mild Steel

ADDITIONAL OPTIONS

8-Point Strut Kit, Chrome Moly

Roll Cage X-Brace Kit, Mild Steel

Roll Cage X-Brace Kit, Chrome Moly

PART #

C3000

C3100

PART #

C3181

C3191

CHROME MOLY		A) W	HIN AU	OP .
		PART #		APPLICATION
C3151	1970-'83 Hornet, Concord, Sprint	MILD STEEL	CHROME MOLY	
R/DODGE		GENERAL	MOTORS, c	ontinued
C3159	1970-'74 Barracuda, Challenger	C3124	C3152	1964-'72 Chevelle, GTO, Tempest, Cutlass, Skylark, LeMans
C3158	1970-'76 Duster, Demon, Sport, Scamp, 1968-'69 Dart, Barracuda, Valiant	C3127	C3139	1955-'57 Chevrolet
	1968-'74 Roadrunner, GTX, R/T.	C3023	C3137	1966-'67 Chevy II, Sedan/Wagon
C3157	Satellite, Super Bee, Coronet, Belvedere	C3122	C3149	1978-'87 Malibu, Monte Carlo, Grand Prix, Regal, Grand National, Cutlass, 442
C3150*	2008 - '15 Challenger, Custom Fit	- C3024	C3136	1962-'65 Nova
				1968-'79 Nova, Apollo, Omega, Ventura
C3154	1979-'93 Capri, Mustang	- 03022	03144	1971-'77 Vega
C3152	1968-'72 Fairlane, Torino, Montego	C3026	C3146	1971- 77 vega 1975-'80 Monza, Astro, Skyhawk,
	1967-'73 Mustang,	-		Starfire
C3151	1971-'77 Maverick	SPORT C	OMPACT	
		7-'81 Fairmont HONDA		
C3153	1974-'78 Mustang II 1971-'80 Pinto, Bobcat	C9402	C9412	1992-'00 Honda Civic Coupe, Hatchback
C3155	1994-'04 Mustang Hardtop	C9401	C9410	1988-'91 Honda CRX
C3156*	2005 - '14 Mustang, Custom Fit	MAZDA		
MOTORS		C9408	C9418	1979-'85 Mazda RX-7
C3138	1967-'69 Camaro, Firebird	MITSUBIS	SHI	
C3145	1970-'81 Camaro, Firebird	C9405	C9415	1990-'94 Mitsubishi Eclipse
C3147	1982-'92 Camaro, Firebird	TRUCKS	(See footnote	below for appropriate Strut Kit)
C3148	1993-'02 Camaro, Firebird	C3134**	C3133**	1982-'00 GM S-10, S-15
	C3151 R/DODGE C3159 C3158 C3157 C3150* C3154 C3152 C3151 C3153 C3155 C3156* MOTORS C3138 C3145 C3147	C3151 1970-'83 Hornet, Concord, Sprint R/DODGE C3159 1970-'74 Barracuda, Challenger 1970-'76 Duster, Demon, Sport, Scamp, 1968-'69 Dart, Barracuda, Valiant 1968-'74 Roadrunner, GTX, R/T, Satellite, Super Bee, Coronet, Belvedere C3150* 2008 - '15 Challenger, Custom Fit C3154 1979-'93 Capri, Mustang C3152 1968-'72 Fairlane, Torino, Montego 1967-'73 Mustang, 1971-'77 Maverick 1977-'81 Fairmont C3153 1974-'78 Mustang II 1971-'80 Pinto, Bobcat C3156* 2005 - '14 Mustang, Custom Fit MOTORS C3138 1967-'69 Camaro, Firebird C3145 1970-'81 Camaro, Firebird C3147 1982-'92 Camaro, Firebird	C3151 1970-'83 Hornet, Concord, Sprint R/DODGE C3159 1970-'74 Barracuda, Challenger C3158 1970-'76 Duster, Demon, Sport, Scamp, 1968-'69 Dart, Barracuda, Valiant C3157 Satellite, Super Bee, Coronet, Belvedere C3150* 2008 - '15 Challenger, Custom Fit C3024 C3154 1979-'93 Capri, Mustang C3152 1968-'72 Fairlane, Torino, Montego C3151 1971-'77 Maverick 1977-'81 Fairmont C3153 1974-'78 Mustang II 1974-'78 Mustang II 1971-'80 Pinto, Bobcat C3156* 2005 - '14 Mustang Hardtop C3156* 2005 - '14 Mustang, Custom Fit MAZDA MOTORS C3145 1970-'81 Camaro, Firebird MITSUBIC C3147 1982-'92 Camaro, Firebird TRUCKS	C3151 1970-'83 Hornet, Concord, Sprint MILD STEEL CHROME MOLY

^{*}NOTE: These part numbers ONLY come complete, Strut Kit included.







^{**}NOTE: Strut Kits for Trucks include 2" x 3" box tubing to connect rocker panel to the frame. Order No. C3001 Mild Steel or No. C3101 Chrome Moly

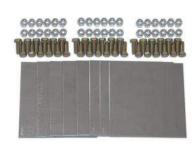
ROLL BAR BOLT-IN CONVERSION KIT

Fits: Any Uni-Body Race Vehicle, Domestic or Import, using an 8-Point Roll Bar

- Universal application allows installation of 8-Point Roll bar (mild steel or chrome moly) to meet sanctioning body rules without welding base plates to the floor
- 6" x 6" x 1/8" steel plates get positioned under the floor and are used with the existing roll bar plates to "sandwich" the floor pan
- Includes %"-16 x 1" Grade 8 bolts and Nylock nuts for mounting
- Requires drilling floor pan and forming mounting plates to match under-floor contours

PART # DESCRIPTION

C3020 Roll Bar Bolt-In Conversion Kit



No. C3020

FORMED REAR STRUTS

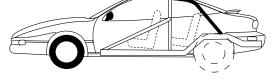
8-Point Roll Bar

- Designed to allow roll bar installation in most vehicles without permanently removing or modifying the rear seat
- Manufactured from 1-¾" 0.D. x .134" wall mild steel or 1-¾" 0.D. x .083" wall aircraft-quality AMS T-6736 chrome moly tubing with 50° bend
 NURA and URBA approved

NHRA and IHRA approved

Welding and fabrication required

Two per kit



No. C3185

DESCRIPTION

C3185 Formed Rear Struts, Mild SteelC3195 Formed Rear Struts, Chrome Moly

10-POINT CONVERSION KITS

- Eliminates the hassle of replacing your existing bar with a new cage
- Designed to convert a legal 8-point roll bar into a legal 10-point roll cage
- Kit includes top hoop and two forward downstruts that tie into your existing 8-point roll bar
- Manufactured from 1-%" 0.D. x .134" wall mild steel or 1-%" 0.D. x .083" wall aircraft-quality AMS T-6736 chrome moly tubing
- Mandrel formed on computer controlled equipment
- Meets NHRA requirements for cars running 10.99 or quicker
- Custom fit applications
- Welding required



No. C3325

(Actual product may vary from image shown)

10-POINT CONVERSION KIT APPLICATION CHART

MILD Steel Part #	CHROME MOLY PART #	DESCRIPTION
FORD		
C3325	C3345	10-Point Conversion Kit, 1979-'93 Mustang, Capri
C3328	C3348	10-Point Conversion Kit, 1994-'04 Mustang
GENERAL MO	TORS	
C3320	C3340	10-Point Conversion Kit, 1967-'69 Camaro, Firebird
C3323	C3343	10-Point Conversion Kit, 1970-'81 Camaro, Firebird
C3324	C3344	10-Point Conversion Kit, 1968-'72 GTO Chevelle, Cutlass, LeMans, Tempest
C3321	C3341	10-Point Conversion Kit, 1968-'79 Nova, Ventura, Omega, Apollo
C3322	C3342	10-Point Conversion Kit, 1962-'67 Nova, Chevy II

10-POINT ROLL CAGES

Bridges the gap between an 8-Point Roll Bar and a 12-Point Roll Cage

- Meets NHRA & IHRA equirements for cars running 10.99 or quicker with modified firewalls and/or floorboards
- Provides increased driver protection in rollover
- Increases chassis rigidity for better reaction times
- Main Hoop Kit consists of one mandrel formed main hoop, one top hoop, two front downstruts, one main hoop crossbrace and two diagonal hoop supports designed specifically for your application
- Strut Kit consists of two door bars, two rear struts, ten 6" x 6" x 1/8" steel mounting pads and twelve weld joint gussets
- Manufactured from 1 %" O.D. x .134" wall mild steel or 1 %" O.D. x .083" wall aircraft-quality AMS-T-6736 chrome moly tubing
- All bends mandrel formed on CNC equipment
- Tube ends notched for better fit and easier installation
- Complete instructions included to ensure a hassle-free installation
- · Welding required

Two Part Numbers are required to get a complete 10-Point Roll Bar Kit! You must order both A) the appropriate 10-Point Main Hoop Kit and B) Strut Kit No. C3310 for Mild Steel OR Strut Kit No. C3250 for Chrome Moly (unless otherwise noted)

10-POINT ROLL CAGES APPLICATION CHART

10-Point Roll Cage

(Actual product may vary from image shown)

B) STRUT KITS

PART #	DESCRIPTION
C3310	10-Point Strut Kit, Mild Steel
C3250	10-Point Strut Kit, Chrome Moly
PART #	ADDITIONAL OPTIONS
C3181	Roll Cage X-Brace Kit, Mild Steel
C3191	Roll Cage X-Brace Kit, Chrome Moly
C3184	Roll Cage Upgrade Kit
C3194	Roll Cage Upgrade Kit, Chrome Moly

A) MAIN HOOP

PART #

I AIII π		ALI LIGATION
MILD STEEL	CHROME MOLY	
GENERAL	MOTORS	
C3220	C3260	1967-'69 Camaro, Firebird
C3222	C3262	1970-'81 Camaro, Firebird
C3226	C3266	1982-'92 Camaro, Firebird
C3231	C3267	1993-'02 Camaro, Firebird
C3223	C3263	1968-'72 Chevelle, GTO, Tempest,
UJZZJ		Cutlass, Skylark, LeMans
C3221	C3261	1966-'67 Chevy II, Nova
C3224	C3264	1968-'79 Nova, Apollo, Ventura, Omega
		1978-'87 Malibu, Monte Carlo,
C3233	C3265	Grand Prix, Regal, Grand National,
		Cutlass, 442
TRUCKS		
C3234	C3268	1982-'00 GM S-10, S-15

APPLICATION

A) MAIN HOOP

PART #		APPLICATION
MILD STEEL	CHROME MOLY	
CHRYSLEF	R/DODGE	
C3227	C3287	1968-'69 Barracuda, 1970-'76 Duster
C3235*	C3285*	2008 - '15 Challenger, Custom Fit
FORD		
C3225	C3275	1979-'93 Capri, Mustang
C3229	C3279	1994-'04 Mustang
C3240*	C3270*	2005 - '14 Mustang, Custom Fit

*NOTE: These part numbers ONLY come complete,

Strut Kit included.

ROLL CAGE UPGRADE KIT

- Designed to upgrade your existing roll cage to meet NHRA requirements when the firewall, floor pan, or rocker panels have been modified or replaced with aluminum panels
- Manufactured from 1-%" O.D. x .134" wall mild steel or 1-%" O.D. x .083" wall aircraft-quality AMS-T-6736 chrome moly tubing
- Comes complete with one dash bar, two door diagonals, two rocker bars and six **qussets**
- · Welding and fabrication required

PART # DESCRIPTION C3184 Roll Cage Upgrade Kit C3194 Roll Cage Upgrade Kit, Chrome Moly

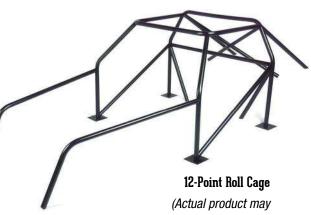


No. C3184

12-POINT ROLL CAGES

- Designed to provide the utmost in chassis strength and superior 360° driver protection with proper installation
- Design ties the front frame to the roll cage making it one solid unit, eliminating chassis flex and decreasing vehicle reaction time
- Hoop Kit includes one main hoop, one top hoop, two front downstruts, one main hoop crossbrace and two forward struts
- Strut Kit consists of two door struts, two rear struts, two diagonal hoop supports, one rear X-brace, ten 6" x 6" x 1/8" steel mounting pads and twelve weld joint gussets
- Manufactured from 1 %" O.D. x .134" wall mild steel or 1 %" 0.D. x .083" wall aircraft-quality AMS-T-6736 chrome moly
- Pre-notched tube ends provide for a better installation
- Meets NHRA and IHRA requirements
- All tubes mandrel formed in-house on CNC equipment
- Complete instructions are included to ensure a hassle-free installation
- Welding required

Two Part Numbers are required to get a complete 12-Point Roll Bar Kit! You must order both A) the appropriate 12-Point Main Hoop Kit and B) Strut Kit No. C3300 for Mild Steel OR Strut Kit No. C3350 for Chrome Moly (unless otherwise noted)*



vary from image shown)

B] Strut Kits

PART #	DESCRIPTION
C3300	12-Point Strut Kit, Mild Steel
C3350	12-Point Strut Kit, Chrome Moly
PART #	ADDITIONAL OPTIONS
C3184	Roll Cage Upgrade Kit
C3194	Roll Cage Upgrade Kit, Chrome Moly

12-POINT ROLL BARS APPLICATION CHART A) MAIN HOOP A) MAIN HOOP

PART #		APPLICATION
MILD STEEL	CHROME MOLY	
CHRYSLE	R/DODGE	
C3309	C3361	1968-'69 Barracuda
00000	03301	1970-'76 Duster
C3308*	C3373*	2008 - '15 Challenger, Custom Fit
FORD		
C3303	C3370	1979-'93 Mustang, Capri
GENERA	L MOTORS	
C3305	C3380	1967-'69 Camaro, Firebird
C3307	C3381	1970-'81 Camaro, Firebird
C3302	C3382	1982-'92 Camaro, Firebird

*NOTE: These part numbers ONLY come complete, Strut Kit included.

PART #		APPLICATION
MILD STEEL	CHROME MOLY	

MILD STEEL	CHROME MOLY	
GENERAL	. MOTORS, ca	ontinued
C3311	C3383	1968-72 Chevelle, GTO, Tempest,
		Cutlass, Skylark, LeMans
		1978-'87 Malibu, Monte Carlo,
C3312	C3371	Grand Prix, Regal, Grand National,
		Cutlass, 442
C3306	C3384	1975-'80 Monza
		1971-'77 Vega, Starfire, Skyhawk
C3313	C3385	1968-'79 Nova, Apollo, Omega,
03313	03303	Ventura
TRUCKS		
C3314	C3372	1982-'00 GM S-10, S-15

ROLL BARS, CAGES & CHASSIS ACCESSORIES

ROLL CAGE X-BRACE KIT

Available In Mild Steel or Chrome Moly Finish

- Designed to increase the strength of your chassis by eliminating side to side twist and uneven suspension loading
- Use in conjunction with the rear struts found in our Roll Bar and Roll Cage Kits to create a solid racing chassis
- Kit includes one 60" long tube and two 30" long tubes; manufactured from 1- $\frac{1}{2}$ " 0.D. x .134" wall mild steel or 1- $\frac{1}{2}$ " 0.D. x .083" wall aircraft-quality AMS T-6736 chrome moly tubing
- · Welding required



No. C3181

PART #	DESCRIPTION
C3181	Roll Cage X-Brace Kit, Mi

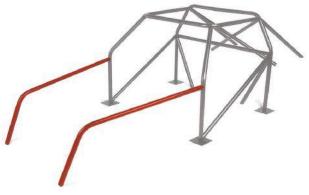
ild Steel C3191 Roll Cage X-Brace Kit, Chrome Moly

FRONT DOWN STRUT UPGRADE KIT

- Tie the front frame to the roll cage making it one solid unit, eliminating chassis flex and decreasing vehicle reaction time
- Front Down Struts have the same specifications as the Front Struts that are included in Competition Engineering 12-Point Roll Cage Kits
- Combine with Competition Engineering Nos. C3181 or C3191 to convert 10-Point Roll Cages to 12-Point Roll Cages
- Pre-notched tube ends provide for better installation
- Meets NHRA and IHRA requirements
- All tubes mandrel formed in-house on CNC equipment
- · Welding required
- · Sold as a pair

PART # DESCRIPTION

C3186 Front Down Strut Kit, Mild SteelC3196 Front Down Strut Kit, Chrome Moly





FUNNY CAR CAGE KITS

Note: Funny Car Cage Kit is the tubing highlighted in red on the image

- Available in 1-%" 0.D. x .134" wall mild steel or 1-¾" 0.D. x .083" wall aircraft-quality AMS-T-6736 chrome moly tubing
- Upgrades 10 point or more point cage kit to have Funny Car cage protection
- Kits contain 10 pieces of pre-bent 1-%" 0.D. x .134" wall or 1-¾" 0.D. x .083" wall tubing and 2 pieces of 1" 0.D. x .118" wall mild steel or 1" 0.D. x .058" wall chrome moly head/helmet guards
- Tubing is left long and un-notched so kit can be custom fitted to the application
- Meets NHRA and IHRA requirements
- All tubes mandrel formed in-house on CNC equipment
- · All Welding required

PART # DESCRIPTION

C3187 Funny Car Cage Kit, Mild SteelC3197 Funny Car Cage Kit, Chrome Moly



SEAT BACK BRACES

- Designed to meet different sanctioning body rules on bracing non-FIA rated seats
- Non-FIA seats can be attached to the brace's 3" x 6" plate, 18 square inches
- On FIA approved seats this brace can be used as an additional support
- · Adjustable back and forth with a locking collar
- No welding is required for installation
- Available for 3 different diameters of roll bar tubing

PART #	DESCRIPTION
C4905	Seat Back Brace, Adjustable for 1 3/4" Dia. Tubing
C4906	Seat Back Brace, Adjustable for 1 %" Dia. Tubing
C4907	Seat Back Brace Adjustable for 1 1/4" Dia Tuhing



OFFSET ROLL BAR PADDING

- Our popular Roll Bar Padding is now packaged in single 3-foot lengths for improved convenience and pricing
- 3" O.D. padding is extruded from high-density foam for maximum safety and protection
- Inside diameter of 1-5/8" is offset by 7/16" to position extra cushioning towards the driver where it's needed the most
- Available in black, red, blue and orange





ROLL BAR PADDING. SFI 45.1 APPROVED

Meets the requirements of NHRA, IHRA, SCCA and other organizations

- SFI 45.1 Specified approved padding, approval marked on padding
- Comes in 36" lengths; 7/8" thickness fits 1-5/8"-2" bar diameter
- Padding backed with pressure-sensitive adhesive and can be cut to size to make installation easy
- Padding exceeds SFI 45.1 rating for dripping or melting in a fire, and is selfextinguishing
- SFI 45.1 approved Roll Bar Padding is more dense than traditional padding, and is designed to absorb the impact energy



No. 80944

DESCRIPTION PART #

80944 Roll Bar Padding, SFI 45.1 Approved, Black

ROLL BAR GUSSETS

These lightweight, stamped plate gussets provide additional strength to welded tube joints

- Available in mild steel or chrome moly
- Measures 1-1/4" x 2-1/4"
- 25 per package
- · Welding required

PART # DESCRIPTION

C3172 Roll Bar Gussets, 1/8" Mild Steel C3173

Roll Bar Gussets, 4130 Chrome Moly







No. C3173

SWING OUT DOOR BAR KITS

For 6, 8, 10 or 12 Point

- Meets NHRA Sanctioning rule for OEM full body cars 7.50 E.T. and slower
- No. C3182 is manufactured for 1-3/4" steel tubing and No. C3183 is manufactured for 1-5/8" steel tubing
- · One kit does one door bar
- · Includes release pin and hinge bracket
- · Welding required

PART # **DESCRIPTION**

8-Point Swing Out Door Bar Kit, 1-3/4" tube C3182 C3183 10 & 12-Point Swing Out Door Bar Kit, 1-%" tube



No. C3182

CHASSIS COMPONENTS

No. C4900

UNIVERSAL DOOR WINDOW FRAME KIT

- Use on drag racing vehicles running a plastic/lexan type window
- Will complete two doors
- Includes %" steel tubing (2-84" long, 2-48" long), bend to fit with supplied bending fixture, tabs and hardware
- Packaged in a tube with instructions

Welding required

PART # DESCRIPTION

C4900 Universal Door Window Frame Kit



WINDSHIELD INSTALL KITS

- Kit includes rubber seal and (50) stainless steel flathead screws and lock nuts
- · Can be used on rear windows

PART # DESCRIPTION

C4901 Windshield Install Kit, ¼" Thick C4902 Windshield Install Kit, ¾" Thick





THROTTLE LINKAGE ROD KIT

- Universal for vehicles with carburetors
- Kit includes a 23" aluminum rod, two spherical rod ends, throttle return spring tab and hardware
- Aluminum linkage rod is easy to install, bendable to simplify alignment issues and the length is easily adjusted by turning the rod ends in or out
- The rod ends will help to overcome misalignment problems
- This linkage is the preferred linkage for Oval Track claimer racing
- Will not be affected by dirt as some cable linkages can be

PART # DESCRIPTION

C3465 Throttle Linkage Rod Kit

PART # AVAILABLE OPTIONS C3461 Accelerator Pedal Kit

DOOR HINGE KIT

- For Race vehicles with fiberglass doors
- Longer hinge pins on bottom mounts facilitates quick removal and installation of doors
- Kit includes two door hinges and mounts (enough for 1 car)
- · Lightweight design
- Welding required

PART # DESCRIPTION
C4930 Door Hinge Kit



No. C4930

CHASSIS COMPONENTS

DOOR HANDLE LINKAGE KIT

 Kit includes two lightweight door handles with enough tubing, nuts, bolts and rod ends for two doors

Easy to install in any door

PART # DESCRIPTION

C4935 Door Handle Linkage Kit



DOOR LIMITER STRAP

- Kit is complete with (2) Door Limiter Straps and all hardware necessary to complete one car
- Installation instructions included

PART # DESCRIPTION
C4931 Door Limiter Strap



No. C4935

No. C4931

RADIATOR MOUNTING KIT

- · Radiator Mount for Scirocco style radiators
- For race cars with tube front ends
- · Facilitates quick removal and installation of radiator
- Includes radiator mounting bracket, frame mount and hardware
- · Welding required

PART # DESCRIPTION
C4925 Radiator Mounting Kit



No. C4925

ACCELERATOR PEDAL KIT

- Steel Accelerator Pedal with Steel Mounting Brackets and Hardware to mount where desired
- Installation instructions included

PART # DESCRIPTION
C3461 Accelerator Pedal Kit
PART # AVAILABLE OPTION
C3465 Throttle Linkage Rod Kit



PARACHUTE ANCHOR MOUNT

For attaching parachute anchor strap to chassis

- · Accepted by NHRA and IHRA
- Manufactured from 1-%" dia. DOM tubing
- Includes mount and support tubes, anchor strap bracket and aluminum bushing
- For use with Competition Engineering's Parachute Pack Mount No. C3451
- · Welding and fabrication required

PART # DESCRIPTION

C3450 Parachute Anchor Mount



No. C3450

PARACHUTE PACK MOUNT

Mounts Parachute Pack to Parachute Anchor Mount

- Includes pack mounting plate, mounting tube, weld bung and quick release pin
- · Quick release mount for removal when working on car
- · Manufactured from mild steel for extra strength
- For use with Competition Engineering's No. C3450 or similar
- · Welding and fabrication required

PART # DESCRIPTION

Parachute Pack Mount C3451



PARACHUTE RELEASE CABLE KIT

- Kit consists of 18' of Teflon lined Felsted cable
- . Mounting Bracket and Rod End on one end of the cable
- Full handle

PART # DESCRIPTION

C3452 Parachute Release Cable Kit



PARACHUTE RELEASE CABLE CLAMP

- Complies with NHRA General Regulations requiring the cable clamp to be attached within 12" of the parachute pack edge
- Works with Competition Engineering Parachute Mount Nos. C3451, C3452 and can be used with other mounts
- Manufactured from 1/8" thick aluminum bracket with steel clamp and mounting hardware

PART # DESCRIPTION

C3453 Parachute Release Cable Clamp





No. C3452

FUEL TANK SUMP KITS

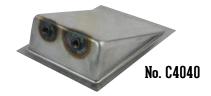
Ensure positive fuel flow to your engine to help win the race

- Factory gas tank pickups located in the front of tanks allow fuel pumps to ingest air during acceleration causing a momentary loss of fuel pressure
- Installed in the lowest portion of the rear of the fuel tank, to guarantee consistent fuel pressure under the hardest acceleration
- Designed to fit stock steel fuel tanks
- Manufactured from 18-gauge cold rolled steel for easy welding with two pre-welded %" or ½" NPT bungs to ensure adequate fuel flow
- I.D. 7-3/8" wide x 11" long x 3" tall
- Installation instructions include a template for baffling the tank, fittings not included
- · Welding required

PART # DESCRIPTION

C4040 Fuel Tank Sump Kit, Two ¾" NPT weld bungs **C4041** Fuel Tank Sump Kit, Two ½" NPT weld bungs

Moroso Aluminum
Fuel Line on pg. 268





No. C4041

ACCESS DOOR

- .050" aluminum door is hinged to frame, providing quick and easy access to fuel cells, dry sump tanks or any other component
- Comes with natural finish so customer can anodize or paint to match car color
- Door held securely closed with self-ejecting, flush-head Dzus fastener
- Includes all mounting hardware
- 6" x 6" door, 8-1/8" x 8-1/8" overall

PART # DESCRIPTION 85700 Access Door







ALUMINUM & STEEL REAR FENDERWELLS

- 24-gauge steel or .032" aluminum
- · Pittsburgh locking seam for easy assembly
- · Different widths to accommodate a variety of tire sizes
- · Available in six diameters
- · Bead rolled reinforcing ribs for strength
- Two Fenderwell/Wheel Tubs per Kit

DESCRIPTION	PART #	
DIMENSIONS	STEEL	ALUMINUM
LENGTH X HEIGHT X WIDTH		
30" (L) x 15" (H) x 23.25" (W)	C2998	C2999
36" (L) x 18" (H) x 23.25" (W)	C3006	C3007
38" (L) x 19" (H) x 23.25" (W)	C3008	C3009
40" (L) x 20" (H) x 23.25" (W)	C3010	C3011
43" (L) x 21.5" (H) x 23.25" (W)	C3002	C3004
46" (L) x 23" (H) x 23.25" (W)	N/A	C3005



REAR FIREWALL KIT, CUSTOM FIT FOR 2005-'10 MUSTANG

Makes it easy to install a firewall between the passenger compartment and trunk mounted fuel cell and/or battery

Fits: 2005-'10 Mustang

- Pre-cut and bent, only a small amount of trimming may be necessary
- Constructed out of .032" thick aluminum, which meets NMRA and other sanction bodies requirements
- Can be used with or without the factory rear seat

PART # DESCRIPTION

C4990 Rear Firewall Kit, 2005-'10 Mustang



S72

STEERING COLUMN KITS. UNIVERSAL DESIGN

Two versions available; Drag Race Only which has a strong yet light weight ¾" x .058" wall chrome moly shaft and the NEW Circle Track, Road Race and Street version that has a ¾" x .156" wall mild steel shaft which is stronger and heavier for the rigors of Circle Track, Road Racing and the Street.

- Can be used in new car construction or used to replace a heavy bulky OEM steering column
- Kit contains a stop collar to prevent the steering shaft from entering the driver's compartment in the event of an impact.
- Inner shaft rides in two flanged polymer bushings that mount to the column tube
- Features unique grease fittings to keep the bushings lubricated
- Includes "SFI" Approved Quick Release Steering Wheel Hub and Shaft to Hub Adapter
- Also includes a precision needle bearing U-joint and complete installation instructions
- Welding and Fabrication required

PART # DESCRIPTION

C5073 Steering Column Kit, Circle Track, Road Race, Street

C5074 Steering Column Kit, Drag Race Only

PART # AVAILABLE OPTIONS
C5076 Steering Column Mount Kit
C9609 Steering Shaft Support Rod End



No. C5074

STEERING COLUMN MOUNTING KIT

- Mounts Steering Column Kit Nos. C5073 or No. C5074 into tube chassis vehicle
- Compact design allows column to be mounted rigidly to the chassis while keeping weight to a minimum
- Includes two split clamps that secure 1-1/2" O.D. steering tube firmly in place and two lengths of tubing to mount column to chassis
- Split clamp mounting system makes it easy for the column tube to be removed or repositioned without cutting or re-welding
- Can be adapted to other steering column kits that use a 1-½" dia. column tube
- Kit includes complete installation instructions
- Welding & fabrication required

PART # DESCRIPTION

C5076 Steering Column Mounting Kit



No. C5076

STEERING SHAFT SUPPORT ROD END

- Rod end serves as both bearing and support for steering shaft
- Inside diameter of .757" is specially sized to allow steering shaft to pass through and rotate with a precise fit
- ¾"-16 right hand threaded shank mounts to steering support bracket
- Includes two iam nuts for securing rod end in place
- Static radial load capacity of 11,518 lbs.
- One per package

PART # DESCRIPTION

C9609 Steering Shaft Support Rod End



No. C9609

The Chassis People

STEERING COMPONENTS & ACCESSORIES

FIVE HOLE STEERING WHEEL ADAPTER

- Allows racers to continue to use Moroso's Quick Release Steering Wheel Hub No. 80160 or similar aftermarket hubs with 3 hole bolt pattern when converting to steering wheels with a 5 hole bolt pattern
- Billet aluminum adapter includes all mounting hardware (steering wheel to adapter and adapter to hub)



C5078 Five Hole Steering Wheel Adapter





SFI APPROVED QUICK RELEASE STEERING WHEEL HUB AND ADAPTER

Fits: 3/4" 0.D. steering shafts and steering wheels with a 3 hole, 1-3/4" diameter bolt pattern.

- Meets NHRA, IHRA and other sanctioning body criteria for meeting SFI (Safety Foundation Inc.) requirement #42.1 concerning steering wheel attachment and release
- · Hub is manufactured from lightweight billet aluminum with anodized finish
- 5/16" -18 thread bolt holes
- Spring loaded quick release pin is integral with the hub and features a large diameter engagement surface for use with bulky racing gloves
- Includes steering shaft adapter manufactured from 1018 steel for extra strength and ease of welding





PART # DESCRIPTION

80160 SFI Approved Quick Release Steering Wheel Hub and Adapter.

Fits: 3/4" O.D. steering shafts and steering wheels with a 3 hole, 1-3/4" diameter bolt pattern

POWER STEERING TANKS

POWER STEERING TANKS

Fits: Universal Panel Mount

- Fabricated of aluminum for strength can be polished, chromed, powder coated or left as-is for a race look
- Built in bracket allows convenient mounting on a panel
- -6 AN inlet and -10AN outlet with an internal baffle
- Includes a heavy duty vented screw on cap

PART # DESCRIPTION

63506 Power Steering Tank, Universal Panel Mount, Inlet left side63507 Power Steering Tank, Universal Panel Mount, Inlet right side





No. 63506

No. 63507



FRONT SUSPENSION COMPONENTS

Competition Engineering has the components to make your front suspension work properly. Poor front suspension tuning can affect the way your race car reacts. OEM-style front suspension components can saddle your race car with excess weight. All Competition Engineering front suspension components are designed to be both lightweight and strong to provide you with the utmost in reliability and quicker ET's.



FRONT END TRAVEL LIMITER

Cable Style

- Designed to fit both A-arm and strut front suspensions
- · 7-position adjuster for fast, between round changes
- Adjuster enables you to fine tune front-end separation, improving 60 foot times as well as vehicle reaction time
- · Kit includes weld-on mounting tabs, cable assemblies, mounting hardware and detailed instructions
- · Limits front suspension separation on launch
- · Welding required

PART # DESCRIPTION

C2025 Front End Travel Limited

FRONT END TRAVEL LIMITER

Bolt-On

- Designed for race cars with factory upper A-arm suspensions
- Installs easily by removing the factory upper snubber and threading the adjuster bolt through the stock hole
- Threaded design allows you to quickly dial-in the right amount of front end lift without wasting power on high wheelstands
- Replaces rubber snubber in factory control arms
- Bolt-On, no welding requires
- Increases weight transfer

PART # DESCRIPTION
C2026 Front End Travel Limiter
PART # REPLACEMENT PART

C7024 Rubber Bumpers. 2" diameter base. Two/card

MUSTANG BUMPSTEER ADJUSTER KITS

- Corrects "Bumpsteer" that occurs when the Mustang's front end is lowered or raised from stock
- Fully adjustable kit replaces non-adjustable stock components with precision, aircraft-quality components that bolt into place with common hand tools
- Does not require the front spindles to be modified or drilled out
- Can also be used for easy, on-car toe adjustments
- Includes 6061-T6 billet aluminum adjuster tubes with anodized finish to resist corrosion, 5/8" rod ends and an assortment of adjustment shims

PART # DESCRIPTION

C2408 Bumpsteer Adjuster Kit, Mustang '79-'93 C2409 Bumpsteer Adjuster Kit, Mustang '94-'04



No. C2026







SOLID REPLACEMENT BUSHINGS

Competition Engineering offers solid aluminum replacement bushings for stock factory bushings that improve chassis/suspension control. By swapping solid bushings for the stock pieces, you increase vehicle reaction in both acceleration and cornering, as well as improve overall feel. Ride quality will be sacrificed due to the elimination of the factory bushing deflection.

SOLID ALUMINUM BODY MOUNTS

Fits: 1967-'81 Camaro, Firebird, 1968-'79 Nova; 1971-'77 Ventura, Apollo, Omega

- · Replacement for the factory subframe bushings
- Eliminates deflection and twisting commonly found on GM unibody equipped vehicles
- CNC machined from 6061-T6 aluminum for a perfect fit and black anodized to eliminate corrosion
- Complete set of six for one car with complete instructions

PART # DESCRIPTION

C3027 Body Mounts, Solid Aluminum



No. C3027

GM A&G BODY REAR CONTROL ARM BUSHINGS

Fits: 1982-'02 Camaro, Firebird; 1964-'88 Chevelle, Malibu; 1964-'77 Skylark, Gran Sport; 1964-'77 LeMans, GTO, Tempest;1966-'77 Cutlass 442; 1966-'70 Pontiac full-size; 1964-'70 Olds full-size

- Eliminates the twist and play found in the factory rear control arms
- CNC machined from 6061-T6 aluminum and black anodized for corrosion resistance
- Designed to replace the stock bushings on the lower control arms only
- Four to a package

PART # DESCRIPTION

C3165 Arm Bushings, GM A&G Body Rear Control



ALUMINUM SPRING EYE BUSHINGS

Fits: 1967-'81 Camaro, 1968-'79 Nova

- Solid Aluminum Bushings replace stock bushings and provide positive housing positioning, eliminating wheel-hop and excessive pinion angle
- Eliminates the deflection of stock bushings
- Packaged in pairs

PART # DESCRIPTION

C2022 Spring Eye Bushings, Aluminum, Front, 2" 0.D. x 3-%" long for 1/2" bolt Spring Eye Bushings, Aluminum, Rear, 1-5/2" 0.D. 1/2" long for 1/2" bolt



No. C2022

UPPER A-ARM BUSHINGS

Fits: 1965-'70 Chevrolet Full Size, 1967-'69 Camaro, Firebird; 1968-'79 Nova; 1963-'82 Corvette; 1964-'72 Chevelle, Tempest, LeMans, GTO; 1973-'74 Omega, Apollo, Skylark; 1971-'74 Ventura; 1971-'72 Monte Carlo; 1965-'72 F-85, Cutlass, 442

The stock upper control arm bushings found on most cars have a rubber bushing material that is bonded to the inner sleeve and the outer housing. Bonding the rubber bushings makes them resistant to rotation and suppresses front end lift and hinders weight transfer.

Competition Engineering's **Upper A-Arm Bushings** are a non-bonded design, which lets the bushing material rotate. This allows the A-Arm to pivot freely on the cross shaft, resulting in rapid front end lift and increased weight transfer. The superior polyurethane material comprising our Bushings doesn't flex or break down like stock conventional rubber bushings with exposure to oils, chemicals and ozone.

- Quicker front end rise produces quicker ETs
- Superior polyurethane bushing material is better performing and last longer

PART # DESCRIPTION
C3166 Upper A-Arm Bushings







No. C3166

PART # AVAILABLE OPTIONS C2026 Front End Travel Limiter

MID-MOUNT PLATE REPLACEMENT MOUNTING KIT

- Recommended when more than one mounting kit is required
- Manufactured from 1/8" mild steel with four triangular gussets
- Includes mounting hardware
- Welding required

PART # DESCRIPTION

C4032 Mid-Mount Plate Replacement Mounting Kit



SHIM KITS. FLYWHEEL

- Replacement flywheel shims for Moroso and other mid-mount motor plates
- Can be used anytime that the spacing of the torque converter to the transmission pump needs adjustment
- Manufactured from .090" Steel
- 3 per pack

C4047 Shim Kit. Fits: GM LS Series

C4048 Shim Kit. Fits: Chevy V-8, 2 piece seal &

90 Deg. V-6

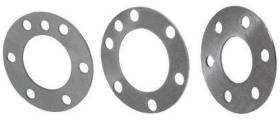
C4049 Shim Kit. *Fits:* Ford 289-302

C4050 Shim Kit. *Fits:* Ford 351M, 400, 429, 460 **C4051** Shim Kit. *Fits:* Mopar 426 or others with an

8 bolt aftermarket crankshaft

C4052 Shim Kit. *Fits: Mopar 273-440 with a*

6 bolt crankshaft



No. C4047

No. C4048

No. C4049



No. C4050

0

No. C4051



No. C4052

ENGINE LIMITER KIT

- Mounts diagonally between the engine block and the frame rail preventing the forward and rearward movement of the engine/ transmission assembly during launch and braking conditions
- Without this kit, the movement of the engine within the chassis would cause the front and rear motor plates to flex and eventually crack
- The use of two kits positioned on either side of the engine is highly recommend for high horsepower race cars
- Includes a ¾" dia. DOM steel tube, two chassis tabs, a ½" high misalignment rod end, an engine mounting tube and complete instructions
- Improves reaction times
- Fabrication & welding required

PART # DESCRIPTION
C4034 Engine Limiter Kit

No. C4034

ENGINE TORQUE LINK. MUSTANG

- The benefits of a solid motor mount for racing with the comfortable ride of a stock motor mount for street use
- Removable Torque Link is installed with supplied pins and clips, limiting engine movement for racing use
- Torque Link can then be removed for street use
- Includes two zinc plated brackets, all hardware and complete installation instructions

PART # DESCRIPTION

C4010 Engine Torque Link. *Fits: Mustang 1979-'95 5.0L*





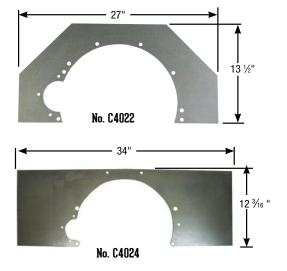
MID MOUNT PLATES

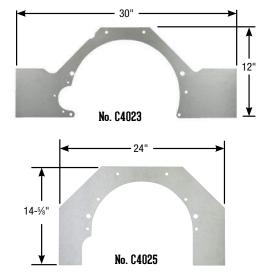
Available In Steel and Aluminum

- Provides a solid connection between the transmission and the chassis
- Eliminates torsional chassis stress, block twisting and broken transmission cases
- Steel versions include flywheel shims to ensure accurate torque converter to front pump engagement, (except **No. C4024**)
- Allows easier transmission swaps and aids clutch operation
- Universal frame mounts included
- Designed on CAD equipment for a precise fit and easy installation
- CNC laser cut to eliminate warpage from metal stamping
- Universal Frame Mounts Included, welding required

MID MOUNT PLATES APPLICATION CHART

PART #	APPLICATION	MATERIAL DESCRIPTION	DIMENSIONS
UNIVERSAL FIT	T		
C4033	Universal Fit	6061-T6 Aluminum	30" x 20" x .188" thick
GENERAL MOT	ORS		
OLDSMOBILE	E/PONTIAC		
C4025	301-345 Engines	6061-T6 Aluminum	24" x 14-5/8" x .188" thick
CHEVROLET			
C4027	LS Series	6061-T6 Aluminum	29-1/4" x 14-13/16" x .188" thick
C4028	LS Series	Steel	29-1/4" x 14-13/16" x .090" thick
C4030	SBC, BBC, V8 & 90° V6 Engines	6061-T6 Aluminum	29-1/4" x 13-1/2" x .188" thick
C4031	SBC, BBC, V8 & 90° V6 Engines	Steel	29-1/4" x 13-1/2" x .090" thick
FORD			
C4022	Ford FE 352 - 428	6061-T6 Aluminum	27" x 13 ½" x .188" thick
C4023	Modular 4.6, 5.4 & 6.8L	6061-T6 Aluminum	30" x 12" x .188" thick
C4024	Modular 4.6, 5.4 & 6.8L	Steel	34" x 12 3/16" x .090" thick
C4035	289-302, 351C, 351W Engines	Steel	30" x 9-1/4" x .090" thick
C4053	289-302, 351C, 351W Engines	6061-T6 Aluminum	30" x 9-1/4" x .188" thick
C4037	351M, 400, 429, 460 Engines	Steel	30" x 10-13/16" x .090" thick
C4054	351M, 400, 429, 460 Engines	6061-T6 Aluminum	30" x 10-13/16" x .188" thick
CHRYSLER			
C4036	383-440 Engines	Steel	30" x 11-15/16" x .090" thick
C4055	383-440 Engines	6061-T6 Aluminum	30" x 11-15/16" x .188" thick
C4038	273-360 Engines with 727 & A904 Transmissions	Steel	30" x 15" x .090" thick
C4056	273-360 Engines with 727 & A904 Transmissions	6061-T6 Aluminum	30" x 15" x .188" thick

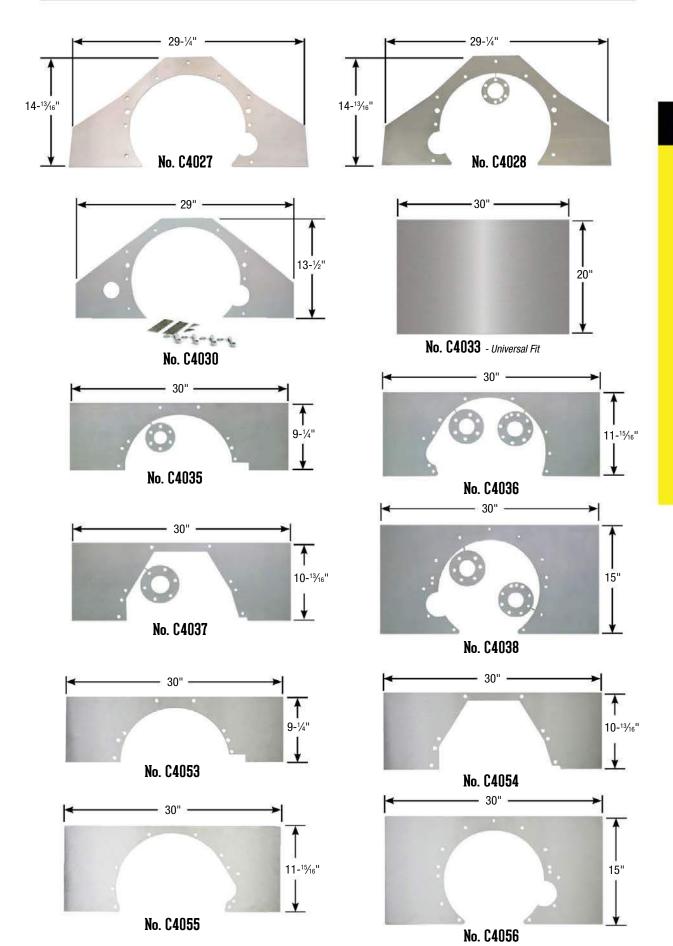




Flywheel Shims

on pg. 431





The Chassis People

FRONT MOTOR PLATES

FRONT MOTOR PLATES

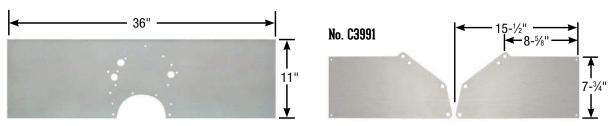
Make sure your motor stays in place!

- Provides a solid connection between the engine and the chassis
- Improves reaction and 60-foot times
- Eliminates twisting of the chassis caused by engine torque and ensures that the power gets to the rear wheels
- Computer designed and machined for accuracy
- Used by leading chassis builders as a positive method of locating the engine in the chassis
- Perfect for performing engine swaps or setting motor back in chassis for increased weight transfer

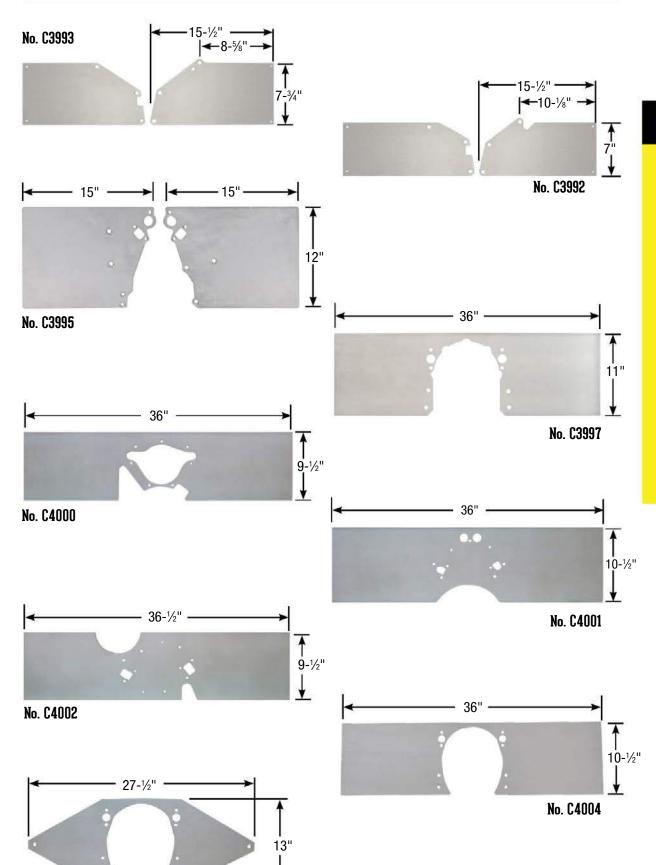
FRONT MOTOR PLATES APPLICATION CHART

PART #	APPLICATION	MATERIAL DESCRIPTION	DIMENSIONS
UNIVERS/	AL FIT		
C4014	Universal Fit	6061-T6 Aluminum	36" x 12" x .25" thick
GENERAL	. MOTORS		
SMALL B	LOCK CHEVROLET		
C3995	LS Series, 2-piece	6061-T6 Aluminum	15" x 12" x .25" thick
C4003	SBC and 90°, V6 2 Piece Seal Engines, Pretrimmed	6061-T6 Aluminum	27-1/2" x 13" x .25" thick
C4004	SBC and 90°, V6 2 Piece Seal Engines	6061-T6 Aluminum	36" x 10-1/2" x .25" thick
C4006	SBC and 90°, V6 Piece Seal Engines, 2-piece	6061-T6 Aluminum	10-1/2" x 8-1/2" x .25" thick
BIG BLOC	CK CHEVROLET		
C3997*	Gen. V & Gen. VI Engines	6061-T6 Aluminum	36" x 11" x .25" thick
C4005	BBC, 1-piece	6061-T6 Aluminum	36" x 10-15/16" x .25" thick
C4007	BBC, 2-piece	6061-T6 Aluminum	9" x 8-1/4" x .25" thick
FORD			
C3990	351C Engines	6061-T6 Aluminum	36" x 11" x .25" thick
C3991	2 & 3-Valve Modular, 4.6L Engines, 2-piece	6061-T6 Aluminum	15-1/2" x 7-3/4" x .25" thick
C3992	4-Valve Modular, V8, 4.6L Engines, 2-piece	6061-T6 Aluminum	15-1/2" x 7-3/4" x .25" thick
C3993	4-Valve Modular, V8, 5.4L Engines, 2-piece	6061-T6 Aluminum	15-½" x 7-¾" x .25" thick
C4001	289-302, 351W Engines, 1970-93	6061-T6 Aluminum	36" x 10-1/2" x .25" thick
C4002	429-460 Engines	6061-T6 Aluminum	36-1/2" x 9-1/2" x .25" thick
C4011	Ford, FE 352-428	6061-T6 Aluminum	See diagram on pg. 436 x .25" thick
C4015	Ford, 289-302, 351W Engines, 1979-93	6061-T6 Aluminum	See diagram on pg. 436 x .25" thick
CHRYSLE	R		
C4000	318-360 Engines	6061-T6 Aluminum	36" x 9-1/2" x .25" thick
C4008	383-440, 426 Hemi Engines, 2-piece	6061-T6 Aluminum	11-¾" x 13-¾" x .25" thick
C4009	383-440, 426 Hemi Engines	6061-T6 Aluminum	36" x 10" x .25" thick
C4012	5.7 / 6.1/6.4 Engines	6061-T6 Aluminum	See diagram on pg. 436 x .25" thick
PONTIAC			
C4013	V-8	6061-T6 Aluminum	See diagram on pg. 436 x .25" thick

^{*} NOTE: Chevrolet Gen. V & Gen VI will need modifications.



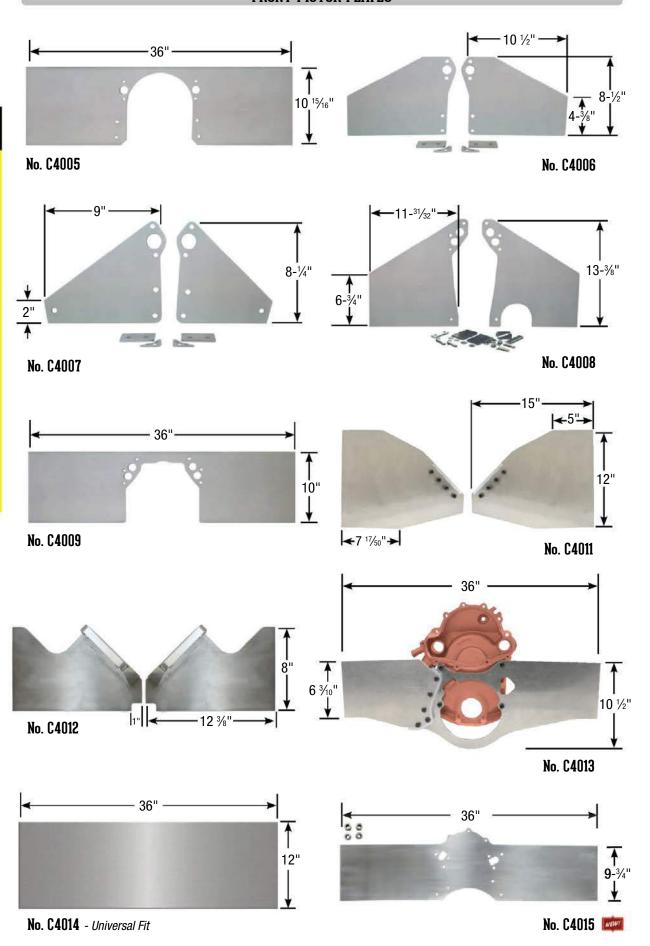
No. C3990



No. C4003

ENGINE MOUNTING

FRONT MOTOR PLATES



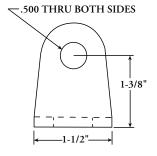
Competition Engineering offers several different types of brackets and tabs to help make it easier for you to mount and install accessories to your chassis. We also offer mounting brackets for our Ladder Bars and 4-Links that enable you to replace bent and damaged brackets or when updating your rear end housing.

REPLACEMENT CLEVIS BRACKETS

- Replaces Clevis Brackets found in No. C2031, C2045, C2052 & C2053 Diagonal Links
- Also allows No. C2024 Magnum Series Wishbone Locator or other locating devices to be converted to 3/4" mounting as needed
- Stamped from 3/16" mild steel
- ½" rod end mounting holes
- Inside dimension 1.160"
- One per package

PART #	DESCRIPTION
I AII II	DESCINII HON

C3422 Replacement Clevis Bracket, %"
C3423 Replacement Clevis Bracket, %"
C3431 Replacement Clevis Bracket, ½"





No. C3422



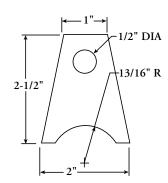
No. C3423

UNIVERSAL LARGE CHASSIS BRACKETS

- 13/16" radius accepts 1-5/8" tube
- 1/2" mounting hole
- Stamped from 1/8" cold rolled steel
- Four per package

PART # DESCRIPTION

C3424 Universal Large Chassis Bracket





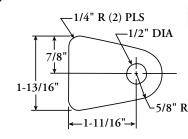
No. C3424

SEAT BELT HARNESS TABS

- Provides a professional and simple way of installing a 5-Point Safety Harness
- Rugged ¼"-thick steel mounting tabs can be welded to roll bars, seat anchors or other locations to provide secure attachment points
- Includes 1/2" center holes for attaching harness
- Five tabs per package; enough to install a complete harness
- · Welding required

PART # DESCRIPTION

C3425 Seat Belt Harness Tabs





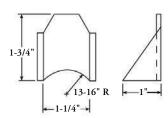
No. C3425

UNIVERSAL FRAME BRACKETS

- Can be drilled for any size hole
- 13/16" radius accepts 1-5%" tube
- · Gusseted for strength
- Stamped from ½" cold rolled steel
- · Four per package

PART # DESCRIPTION

C3428 Universal Frame Brackets





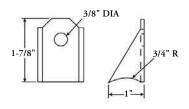
No. C3428

UNIVERSAL BELLCRANK TABS

- Provides convenient mount for linkages
- Gusseted for strength
- Stamped from 1/8" cold rolled steel
- ¾" mounting hole
- · Four per package

PART # **DESCRIPTION**

C3430 Universal Bellcrank Tabs





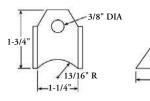
No. C3430

UNIVERSAL GUSSETED CHASSIS TABS

- 13/16" radius accepts 1-5%" tube
- · Gusseted for strength
- 3/8" mounting hole
- Stamped from 1/8" hot rolled steel
- Two per package

PART# DESCRIPTION

C3432 Universal Gusseted Chassis Tabs



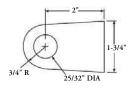


HEAVY-DUTY FLAT CHASSIS BRACKETS

- · Great for mounting suspension components
- Stamped from 3/16" cold rolled steel
- ¾" mounting hole
- · Available with straight or radiused bottom
- Four per package

DESCRIPTION PART #

C3434 Heavy-Duty Flat Chassis Brackets, Straight





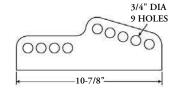
No. C3434

UNIVERSAL 4-LINK CHASSIS BRACKETS

- Replaces chassis brackets found in No. C2017 4-Link Kit
- Stamped from 3/16" cold rolled steel
- 3/4" rod end mounting holes
- Two per package; four Brackets required per car

DESCRIPTION

C3410 Universal 4-Link Chassis Brackets





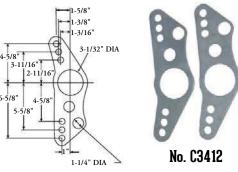
No. C3410

4-LINK REAR END BRACKETS

- Replaces chassis brackets found in No. C2017 4-Link Kit
- Stamped from 1/4" cold rolled steel
- 3" dia axle mounting hole
- 3/4" rod end mounting holes
- Two per package; four Brackets required per car

PART # DESCRIPTION

C3412 4-Link Rear End Brackets



MAGNUM SERIES 4-LINK BRACKET

- Radiused bracket replaces the universal, square-end brackets found in our Magnum Series 4-Link to mate perfectly with our 4-Link Frame Rails
- Radiused profile simplifies welding and saves hours of fabrication time
- Rugged ¼"-thick steel construction eliminates bending in ultra high horsepower cars
- Entire profile is stamped from hot rolled steel in one operation to eliminate distortion and to ensure exact dimensions
- \bullet Nine mounting holes provide a wide range of chassis adjustments; accepts % " hole, % " shank rod ends
- One per package; four brackets required per car

PART # DESCRIPTION

C3421 Heavy-Duty Flat Chassis Brackets, Straight



11-13/16"



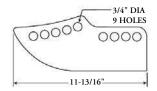
- Bracket radius is shaped to provide an exact fit when welding to our 4-Link Formed Frame Rails
- Entire profile, including the nine rod end mounting holes, is stamped from 3/16" hot rolled steel in one operation to eliminate distortion and to ensure exact dimensions
- ¾" rod end mounting holes
- Can also be used as replacements for the chassis brackets found in our 4-Link Rear Frame Kits
- One per package; four brackets required per car

PART # DESCRIPTION

C3408 4-Link Chassis Bracket



No. C3408



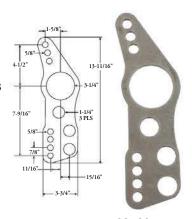
MAGNUM SERIES 4-LINK BRACKET

Without Integral Shock Mounting Holes

- Designed for use on 3" dia. Axle Tubes
- Radiused profile simplifies welding and saves hours of fabrication time
- %" dia. rod end holes
- Rugged 1/4"-thick steel construction eliminates bending in ultra high horsepower cars
- Entire profile is stamped from hot rolled steel in one operation to eliminate distortion and to ensure exact dimensions
- One per package; four brackets required per car
- Use with two Competition Engineering Magnum Series 4-Link Brackets No. C3427

PART # DESCRIPTION

C3429 Magnum Series 4-Link Bracket



No. C3429

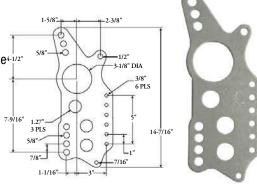
"MAGNUM SERIES" 4-LINK BRACKET

With Integral Shock Mounting Holes

- Designed for 3" diameter Axle Tubes
- Radiused profile simplifies welding and saves hours of fabrication time^{4-1/2*}
- Rugged ¼" thick steel construction eliminates bending in ultra high horsepower cars
- 1/8" dia. rod end holes
- Mounting holes for Wheel-E-Bars[™], Sway Bar and Shock Mounting
- Entire profile is stamped from hot rolled steel in one operation to eliminate distortion and to ensure exact dimensions
- One per package; four brackets required per car
- Use with two Competition Engineering Magnum Series 4-Link Brackets No. C3429

PART # DESCRIPTION

C3427 "Magnum Series" 4-Link Bracket



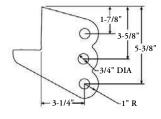
No. C3427

LADDER BAR 2" X 3" CROSSMEMBER BRACKET

- Pre-notched to simplify welding and provide a neat installation
- Stamped from 3/16" mild steel
- Three ¾" mounting holes in a 33.5" radius for chassis adjustments
- One per package; four Brackets required per car

PART # DESCRIPTION

C3409 Ladder Bar 2" X 3" Crossmember Bracket





No. C3409

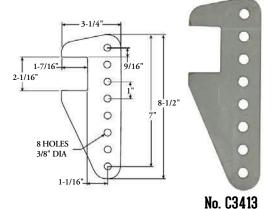
SHOCK MOUNTING BRACKET

For Use With Housing Back Brace

- Designed to work with Housing Brace Nos. C3405, C9105, C9205 and other 2" tall back braces
- Stamped from 1/4" steel
- Eight 3/8" dia. mounting holes, spaced 1" apart
- Welding required
- One per package, two brackets required per car
- Designed for use with Shock Bracket Nos. C3417 and C3419

PART # DESCRIPTION

C3413 Shock Mounting Bracket

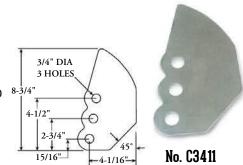


LADDER BAR CHASSIS BRACKET

- Bracket is radiused to mate perfectly with our Ladder Bar Frame Rails to simplify welding
- Provides a front mounting location for Ladder Bars with 3/4" rod ends
- Entire profile, including the three rod end mounting holes, is stamped from ¾6" hot rolled steel in one operation to eliminate distortion and to ensure exact dimensions
- Can also be used as replacement for the brackets found in our Ladder Bar Rear Frame Kits
- One per package; four brackets required per car

PART # DESCRIPTION

C3411 Ladder Bar Chassis Bracket



COIL-OVER HOUSING BRACKET

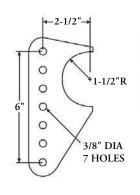
- Replaces weld-in axle brackets found in Nos. C2047 & C2051 Lower Coil-Over Shock Mount Kit
- 1-1/2" radius accepts 3" dia axle tube
- 3/8" shock bracket mounting holes
- Stamped from 1/4" hot rolled steel
- One per package; two brackets required per car

PART # **DESCRIPTION**

Coil-Over Housing Bracket C3414

AVAILABLE OPTIONS PART #

C3417 Lower Coil-Over Shock Mounting Bracket, Right C3419 Lower Coil-Over Shock Mounting Bracket, Left





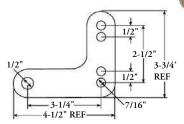
No. C3414

LOWER COIL-OVER SHOCK MOUNTING BRACKETS

- Replacement bracket, also used in Nos. C2047 & C2051 Lower Coil-Over Shock Mount Kit
- Stamped from 3/16" cold rolled steel
- 3/8" bracket mounting holes
- 1/2" shock mounting hole
- One per package; two of each bracket required per car

PART # DESCRIPTION

C3417 Lower Coil-Over Shock Mounting Bracket, Right C3419 Lower Coil-Over Shock Mounting Bracket, Left



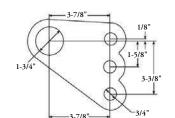


LADDER BAR CROSSMEMBER BRACKETS

- Replaces brackets found in No. C2019 Ladder Bar Crossmember
- Stamped from 3/16" hot rolled steel
- 1-25/32" bar mounting hole
- 25/32" rod end mounting holes
- Two per package; four brackets required per car

PART# DESCRIPTION

C3418 Ladder Bar Crossmember Brackets







WELDING TABS AND BRACKETS

Before welding any tabs and brackets permanently, tack weld them in place first to check the final alignment. It's much easier to realign a tab or bracket with a temporary tack weld.

5700

"MAGNUM SERIES" LADDER BAR HOUSING BRACKET KIT

Universal

- Innovative, four-piece housing bracket design allows for easy axle upgrades
- Creates a 360° housing bracket that can be tack welded in half the time of older systems no more safety straps and individual plates!
- Kit allows you to adjust preload and pinion angle without bind
- Complete with two large, formed 180° housing brackets; two small, formed 180° housing brackets and four gussets
- Can be used as a replacement

PART # DESCRIPTION

C7212 "Magnum Series" Ladder Bar Housing Bracket Kit



No. C7212

U-BEND UNIVERSAL MOUNT

- This kit can be used in different applications; battery mount, shifter mount, drive shaft loop, etc.
- Comes complete with weld tube for mounting and safety pins to make removing it a snap

PART # DESCRIPTION

C3030 U-Bend Universal Mount



No. C3030

TOW HOOK, UNIVERSAL

- · Steel, zinc plated
- 3/16" Universal with 2" opening
- · Bolt-on or weld-on
- Can be used for trailer tie-down points

PART # DESCRIPTION C3440 Tow Hook, Universal



ALIGNMENT & LEVEL TOOL

PROFESSIONAL ANGLE FINDER & LEVEL

- Handy, easy-to-read gauge face
- Perfect for setting pinion angle or determining level
- Accurate to ½ of 1°
- Angle and grade chart on back of gauge
- Made from ABS plastic with convenient grooved base to sit flat

PART # DESCRIPTION

C5020 Professional Angle Finder & Level



ELECTRICAL COMPONENTS

SEALED BATTERY BOX

- Ideal for relocating a battery to the rear of any race, street or show vehicle with or without a rear firewall
- Holds a Series 21, 24, 26, 34, 42, 54, 55, 56, 61, 62, 63, 85, 86, 96R batteries with either top-post or side-post terminals
- Outside Dimensions: 13-1/8" W, 11-1/8" D, 11-1/8" T
- Fully approved for racing by NHRA, IHRA and SCCA
- Includes grommets and all mounting hardware
- Does not include battery cable; use with Moroso Battery Cable Kit No.

74055, below

DESCRIPTION PART #

74051 Sealed Battery Box, Black







BATTERY CABLE KITS

- High-grade 2 gauge copper cable provides unrestricted current flow
- · Rugged PVC insulation resists most car fuels, oils and under hood cleaners
- Available with and without battery terminals
- Ideal for relocating a battery to the rear for improved weight transfer



74005 Battery Cable Kit. 20' with 4 terminals

Battery Cable Kit, 20' with 4 terminals, 8' with top-post terminals and 6" 74055 12 gauge leads with butt connectors*, rubber-lined clamps, grommets

and shrink sleeving. Use with Sealed Battery Box No. 74050.

*Terminated at both ends. Cut in two to desired length.



No. 74055



BATTERY/WEIGHT BOX

- Bolts together for easy installation
- Bottom flange for secure attachment
- Holes provided for battery cables
- Constructed from 1/8" thick mild steel
- Includes 3/8" hold down rod and grommets
- Fits "Series 24" batteries
- Meets sanctioning body requirements for weight box and battery containment in cars with rear firewall
- Inside dimensions: 12-3/8" long x 9-3/4" wide x 10" high
- Weighs approximately 28 pounds

PART # DESCRIPTION C4029* Battery/Weight Box



No. C4029

*NOTE: Check your rule book for specific mounting requirements

The Chassis People



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For a list and descriptions of replacement parts for discontinued Wheel-E-Bars™, please refer to page 399

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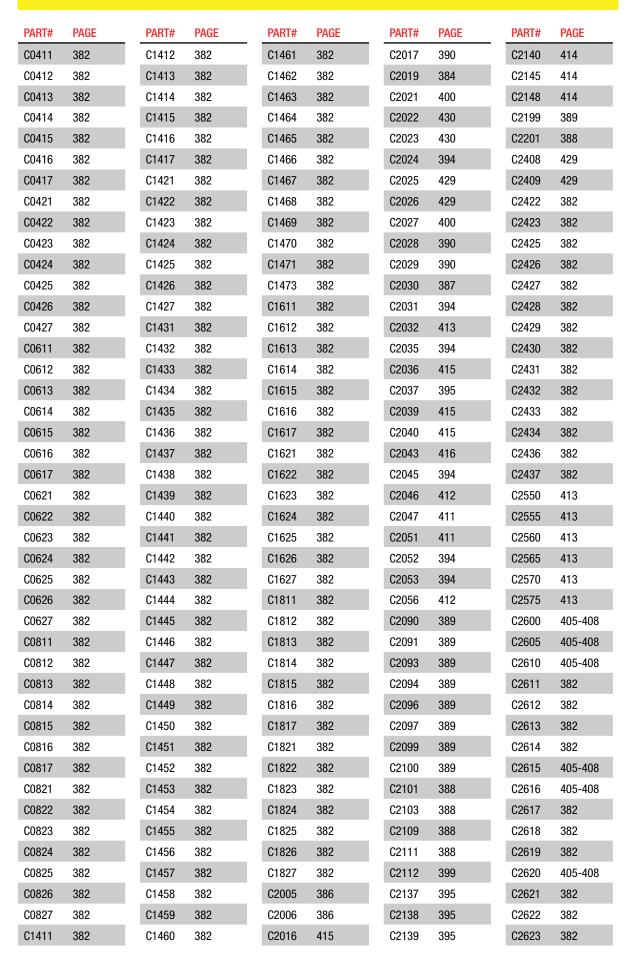
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