

# 2016 PRODUCT CATALOG





BD Diesel Performance's mission is to provide the diesel aftermarket with innovative, high quality performance products. Our products, contributions and people will lead our market and be the template to which others are compared to. BD relentlessly pursues improvements that benefit our customers; through high quality and innovative products, and, to follow this up with world class service and support.



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Unless displaying a C.A.R.B. EO number, performance products in this catalog may not be sold into the state of California or installed onto licensed California vehicles. Consult price list or website for further classification of each product.

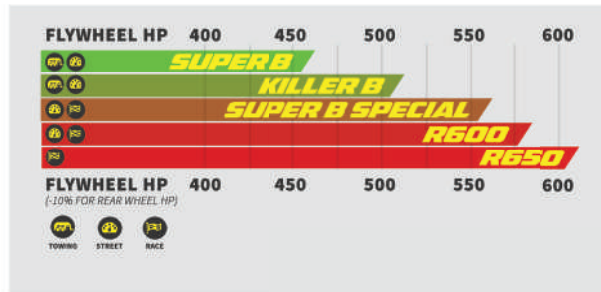
Any manufacturers parts numbers or reproduced logos are for reference only and are not to imply any relations.

Part numbers, descriptions and model years are subject to change – consult price books and/or website for most up to date listings.



## ► Dodge 5.9L Single S3005X3 Turbo Kits

- Custom built to BD specifications, not a box turbo
- Quick spool-up with no surging
- Cooler EGT's & less smoke
- Special low inertia, full-floating 6-pad thrust bearings, not 3 pad like box turbos
- BD's HD Waste gate and bracket holds boost and prevents over speed damage
- Dual volute T3 turbine housing utilizes low rpm exhaust pulses for improved turbine response
- Efficient positive boost-to-drive pressure ratio yields high power with low EGTs
- Perfect fitment to the stock turbocharger inlet connection points
- Turnbuckle Boost Control allows for ease of adjustment for altitude and extreme tuning
- Most systems can be upgraded to a twin system for more power or even better towing performance



2003-2004 5.9L



2004.5-2007 5.9L



1994-2002 5.9L

## ► Super B Single Turbo Kits

1045220	1994-2002	Dodge	Downpipe, V-Band Clamp, Band Clamp
1045230	2003-2004 305hp	Dodge	Cast Outlet Elbow, V-Band Clamps, Heat Wrap
1045235	2004.5-2007 5.9L 325hp	Dodge	Cast Outlet Elbow, V-Band Clamps, Downpipe, Wastegate Follower, Heat Wrap

CFM / HP	COMP WHEEL
870 / 450	58 mm 2.28 in
A/R	TURBINE WHEEL
0.80	74 mm 2.91 in

2003-2007 5.9L



2003-2007 5.9L for Turbo Mount Exhaust Brake

1994-2002 5.9L



## ► Killer B Single Turbo Kits

1045163	1994-2002 5.9L	Dodge	Downpipe, V-Band Clamp, Band Clamp
1045160 (A)	2003-2007 5.9L c/w HX40 Downpipe	Dodge	Downpipe, V-Band Clamp, Band Clamp, Wastegate Follower, Exh Manifold Gaskets
1045161 (A)(B)	2003-2007 5.9L Direct Drop-In	Dodge	Wastegate Follower, Exh Manifold Gaskets



CFM / HP	COMP WHEEL
1060 / 500	63 mm 2.48 in
A/R	TURBINE WHEEL
0.80	74 mm 2.91 in

Notes: (A) 2005 trucks with plastic intercooler reservoir tanks require metal intercooler reservoir tanks or 1042525 Xtruded Intercooler.  
(B) Can be used on trucks with Turbo Mount Exhaust Brake

## ► Super B Special Turbo Kits

1045120	1994-2002 5.9L	Dodge	Downpipe, V-Band Clamp, Band Clamp
1045131 (A)	2003-2007 5.9L	Dodge	Wastegate Follower, Heat Wrap

Notes: (A) 2005 trucks with plastic intercooler reservoir tanks require metal intercooler reservoir tanks or 1042525 Cool-It Intercooler.

CFM / HP	COMP WHEEL
1160 / 550	64.5 mm 2.54 in
A/R	TURBINE WHEEL
0.80	80 mm 3.15 in



2003-2007 5.9L

1994-2002 5.9L



## ► Super B 600 Turbo

1045132	2003-2007 5.9L	Dodge	Wastegate Follower, Heat Wrap
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CFM	LBS/MIN	COMP WHEEL
1200	82.99	66 mm 2.60 in
HP	A/R	TURBINE WHEEL
625	0.80	80 mm 3.15 in



## ► Super B 650 Turbo

1045133	2003-2007 5.9L	Dodge	Wastegate Follower, Heat Wrap
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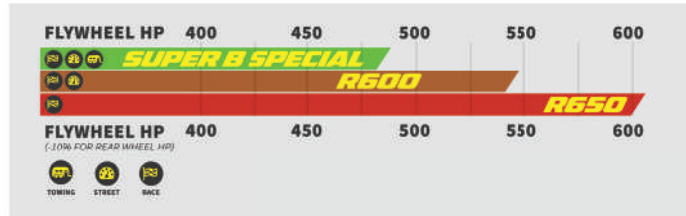
CFM	LBS/MIN	COMP WHEEL
1250	86.45	67 mm 2.64 in
HP	A/R	TURBINE WHEEL
700	0.80	80 mm 3.15 in





## ▶ Dodge 6.7L 5300SX3 Single Turbo Kits

- Custom built to BD specifications, not a box turbo
- Quick spool-up with no surging
- Cooler EGT's & less smoke
- Special low inertia, full-floating 6-pad thrust bearings, not 3 pad like box turbos
- BD's HD Waste gate and bracket holds boost and prevents over speed damage
- Dual volute T3 turbine housing utilizes low rpm exhaust pulses for improved turbine response
- Efficient positive boost-to-drive pressure ratio yields high power with low EGTs
- Perfect fitment to the stock turbocharger inlet connection points
- Turnbuckle Boost Control allows for ease of adjustment for altitude and extreme tuning
- Most systems can be upgraded to a twin system for more power or even better towing performance



## ▶ Super B Special Turbo Kit

1045140 2008-2012 6.7L Dodge Exhaust Manifold, Gaskets, Down Pipe, Clamps, EGB Kit

CFM	LBS/MIN	COMP WHEEL	
1160	80.22	64.5 mm	2.54 in
HP	A/R	TURBINE WHEEL	
500	0.80	80 mm	3.15 in



## ▶ Super B 600 Turbo Kit

1045141 2008-2012 6.7L Dodge Wastegate Follower, Heat Wrap

CFM	LBS/MIN	COMP WHEEL	
1200	82.99	66 mm	2.60 in
HP	A/R	TURBINE WHEEL	
575	0.80	80 mm	3.15 in



## ▶ Super B 650 Turbo Kit

1045142 2008-2012 6.7L Dodge Wastegate Follower, Heat Wrap

CFM	LBS/MIN	COMP WHEEL	
1250	86.45	67 mm	2.64 in
HP	A/R	TURBINE WHEEL	
650	0.80	80 mm	3.15 in



## ▶ Borg Warner S300SX-E Turbos

- 360 thrust bearing
- Twin hydrodynamic journal bearings
- Integrated speed sensor port
- FMW compressor wheel
- Flexible compressor outlet for clamp or hose
- Pre-machined boost port
- Optimized compressor stage aerodynamics
- Dual volute turbine housing 4.2 full marmon outlet

S300SX-E Super Core		Turbine Housings		
13009097047	63mm / 80mm	177211	0.88 A/R	Open Volute
13009097049	66mm / 80mm	177208	0.91 A/R	Twin Volute
13009097051	69mm / 80mm	179905	1.00 A/R	Twin Volute



## ▶ Dodge Stock Replacement Exchange Turbos

- Remanufactured to new factory standards.

Dodge 1988-2015 Cummins	Reman Turbochargers	Reman Performance Turbochargers	Core
1988-1990 5.9L	(B) 3526739-B	3526739-MT	(C) (✓)
1991-1993 5.9L	(B) 3531696-B	3531696-MT	(C) (✓)
1994-1995 5.9L	(B) 3539911-B	3539911-MT	(C) (✓)
1996-1998 5.9L 12-valve Automatic Trans	(B) 3539369-B	3539369-MT	(C) (✓)
1996-1998 5.9L 12-valve Manual Trans	(B) 3539373-B	3539373-MT	(C) (✓)
1998.5 5.9L 24-valve	(B) 3539343-B	3539343-MT	(C) (✓)
1999-2000 5.9L HX35 Automatic Trans	(B) 3590104-B	3590104-MT	(C) (✓)
2000-2002 5.9L HY35 Automatic Trans	(B) 4036239-B	4036239-MT	(C) (✓)
1999-2002 5.9L HX35 Manual Trans	(B) 3592766-B	3592766-MT	(C) (✓)
2003-2004 5.9L	(B) 4035044-B	4035044-MT	(C) (✓)
2004.5-2007 5.9L 325HP HY35/HE351CW	(B) 4043600-B		(✓)
2007.5-2015 6.7L BD Reman	(B) 3799833-B		(✓)
2007.5-2015 6.7L New HOLSET	(B) 3799833		(✓)

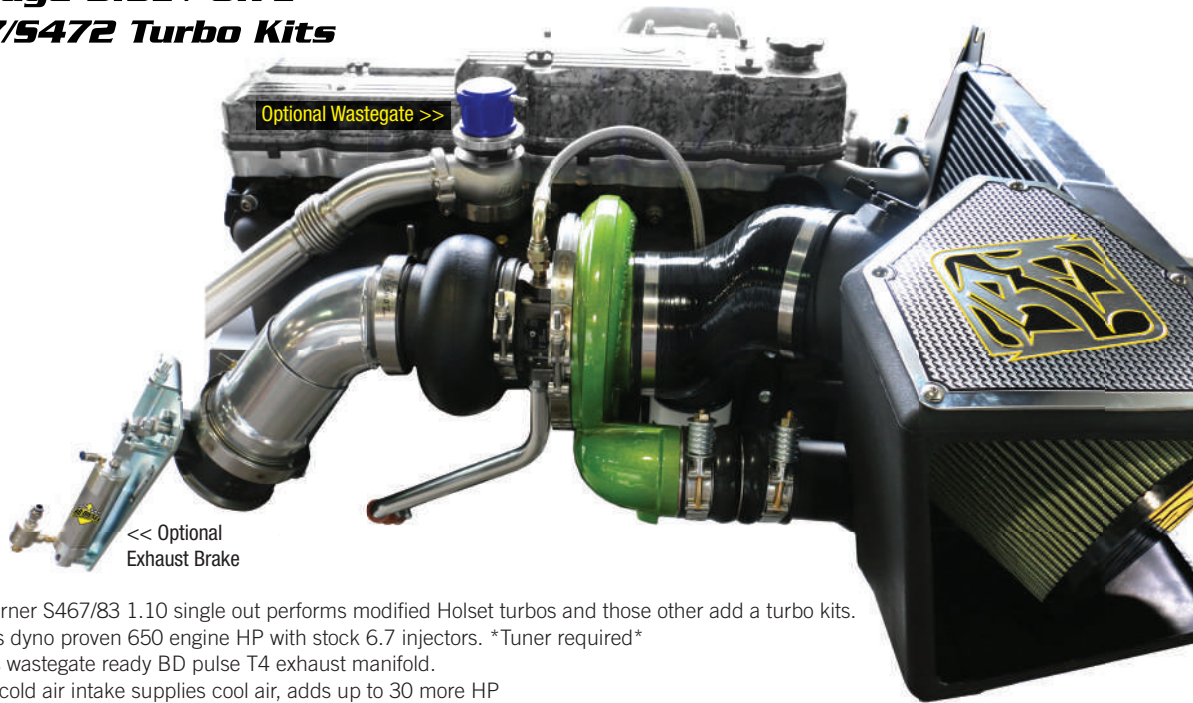
Notes: (B) Part number for reference only, consult original unit ID tag for part number  
 (C) Modified performance turbocharger units to give better response and horsepower gains to engines with mild performance modifications.  
 CORE (✓) - Refundable core charges apply.



BorgWarner Turbo Systems | Turbocharger Schwitzer | HOLSET



**► Dodge 5.9L / 6.7L  
S467/S472 Turbo Kits**



- Borg Warner S467/83 1.10 single out performs modified Holset turbos and those other add a turbo kits.
- Supports dyno proven 650 engine HP with stock 6.7 injectors. \*Tuner required\*
- Includes wastegate ready BD pulse T4 exhaust manifold.
- Custom cold air intake supplies cool air, adds up to 30 more HP
- BD exclusive 90 degree compressor housing keeps kit tight and tidy.
- Kit includes custom formed silicone coolant hose, guaranteed to give you the O.E. look and finish.
- Reliable performance replacement for your problematic Holset turbo.
- Kit reduces EGT & high turbo drive pressures. Save your head gasket and have longer engine life.
- No need to lose the exhaust brake. Kit is adaptable to a BD remote exhaust brake using the factory push button switch.

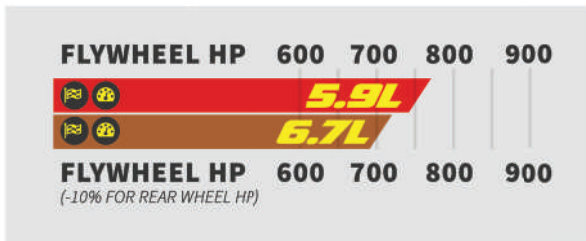
S467 1.10 A/R Turbo Kits			
1045710	(A)	2003-2007 5.9L	
1045725	(A)	2007.5-2009 6.7L	
1045740	(A)	2010-2012 6.7L	

S472 0.90 A/R Turbo Kits			
1045715	(A)	2003-2007 5.9L	
1045730	(A)	2007.5-2009 6.7L	
1045745	(A)	2010-2012 6.7L	

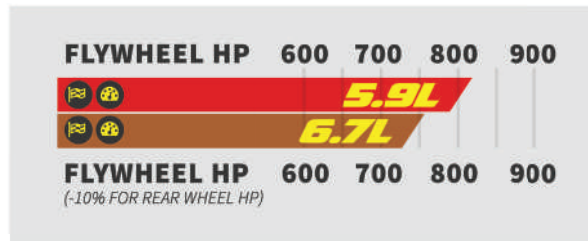
NOTE: (A) External wastegate suggested. Over boosting/speeding turbos will result in non-warrantable failures.



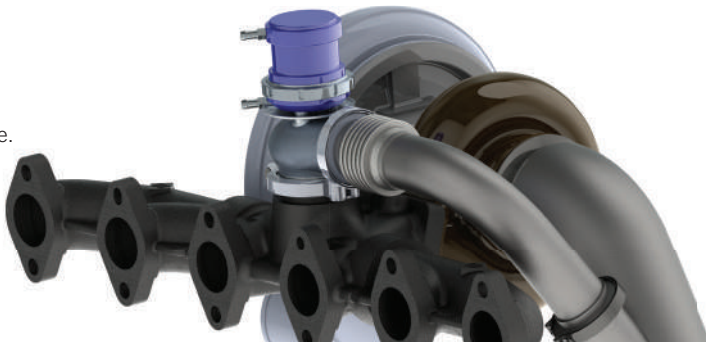
**S467 1.10 A/R**



**S472 0.90 A/R**



- Larger turbochargers and smaller turbine housings are available. Bigger turbos for higher HP can easily be bolted into place — external waste gates should be installed for any power levels above 700 crank hp on 6.7L and 750 crank hp on 5.9L
- Wheel burst resulting from over speeding is not warrantable







## ► Dodge 5.9L Super B Twin Turbos



- Stage-compounded AirWerks S300 turbochargers
- Extended tip compressor wheel technology
- High CFM yielding high power with low EGTs
- Quick, low-rpm response
- Broad power curve across the entire engine's rpm range
- Easily cool 575 rear wheel horsepower
- Great towing and competition
- Upgrade kits available for Super B Single

5.9L 650 HP		
1190 CFM - 82.30 LBS/MN		
Compressor Wheel		
Low Press	66 mm	2.60 in
High Press	58 mm	2.28 in

### Super B Twin Kits (RT575)

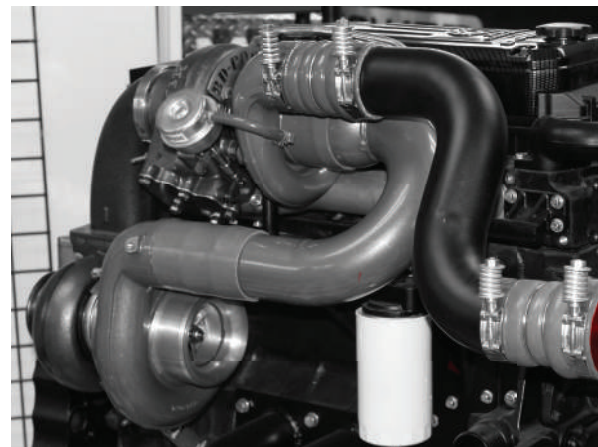
Part Number	Year Range	Valve	Model	Components
1045310	1994-1998	12-valve	Dodge	Turbos, Down Pipe, Piping, Air Box, Washable Air Filter, Heat Wrap, Clamps, Hoses, Oil Drains, Brackets and Hardware
1045320	1998-2002	24-valve	Dodge	Turbos, Down Pipe, Piping, Air Box, Washable Air Filter, Heat Wrap, Clamps, Hoses, Oil Drains, Brackets and Hardware
1045330 (A)	2003-2007	5.9L	Dodge	Same as above plus Exhaust Manifold

### Super B Twin Upgrade Kits (RT575)

Part Number	Year Range	Valve	Model	Components
1045315	1994-1998	12-valve	Dodge	Primary Turbo, Down Pipe, Piping, Air Box, Washable Air Filter, Heat Wrap, Clamps, Hoses, Oil Drains, Brackets and Hardware
1045325	1998-2002	24-valve	Dodge	Primary Turbo, Down Pipe, Piping, Air Box, Washable Air Filter, Heat Wrap, Clamps, Hoses, Oil Drains, Brackets and Hardware
1045335 (A)	2003-2007	5.9L	Dodge	Same as above plus Exhaust Manifold

## ► Dodge 5.9L Track Master RT700 Twin Turbos

- Staged-compounded AirWerks S400 and S300 turbochargers
- Extended tip compressor wheel technology
- High efficiency compressor housing and superior drive pressure
- Turbine housing that delivers enough flow to support over 1000+hp!
- Upgrade kits for available Super B Single, Twin or Special kits



RT700 1994-2002 5.9L 750 HP		
1378 CFM - 85.30 LBS/MN		
Compressor Wheel		
Low Press	71 mm	2.80 in
High Press	58 mm	2.28 in

RT700 2003-2007 5.9L 750 HP		
1450 CFM - 98.60 LBS/MN		
Compressor Wheel		
Low Press	72 mm	2.83 in
High Press	58 mm	2.28 in

### RT700 Complete Twin Kits

Part Number	Year Range	Valve	Model	Components
1045410	1994-1998	5.9L 12-valve	Dodge	Turbos, Down Pipe, Piping, Air Box, Washable Air Filter, Heat Wrap, Clamps, Hoses, Oil Drains, Brackets and Hardware
1045420	1998-2002	5.9L 24-valve	Dodge	Turbos, Down Pipe, Piping, Air Box, Washable Air Filter, Heat Wrap, Clamps, Hoses, Oil Drains, Brackets and Hardware
1045430 (A)	2003-2007	5.9L	Dodge	Same as above plus Exhaust Manifold

### RT700 Single to Twin Upgrade Kits

Part Number	Year Range	Valve	Model	Components
1045440 (A) (D)	2003-2007	5.9L Super B Twin	Dodge	Primary Turbo, Down Pipe, Piping, Air Box, Washable Air Filter, Heat Wrap, Clamps, Hoses, Oil Drains, Brackets and Hardware
1045435 (A) (C)	2003-2007	5.9L Super B Single	Dodge	Same as above plus Exhaust Manifold

### RT700 Complete Kits w/o Secondary

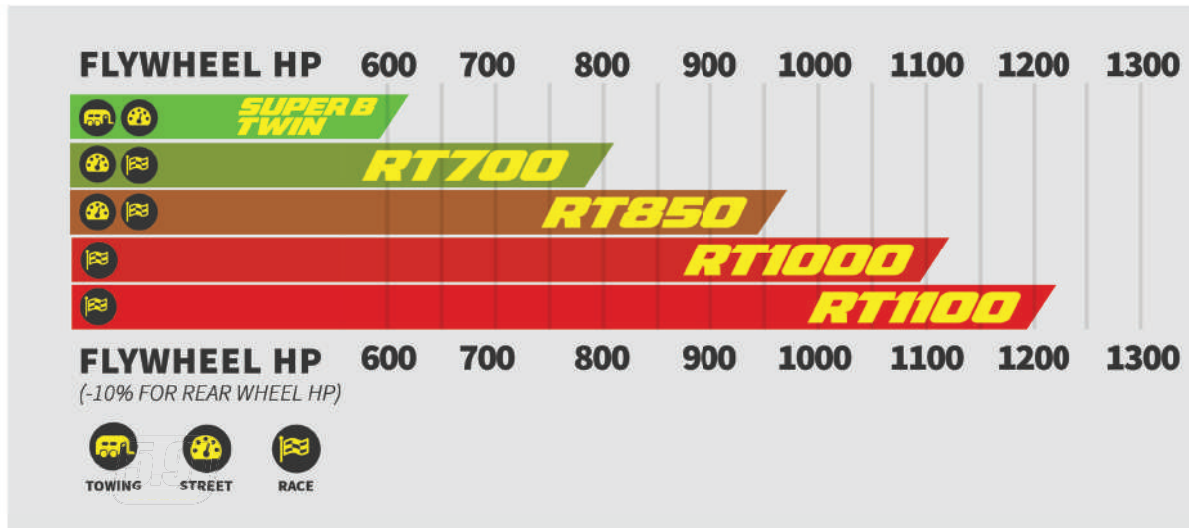
Part Number	Year Range	Valve	Model	Components
1045425	1998-2002	5.9L 24-valve Manual	Dodge	Primary Turbo, Down Pipe, Piping, Air Box, Washable Air Filter, Heat Wrap, Clamps, Hoses, Oil Drains, Brackets and Hardware
1045426	1998-2002	5.9L 24-valve Auto	Dodge	Primary Turbo, Down Pipe, Piping, Air Box, Washable Air Filter, Heat Wrap, Clamps, Hoses, Oil Drains, Brackets and Hardware

### RT700 Twin Primary Turbo Upgrade Kits

Part Number	Year Range	Valve	Model	Components
1045422 (F)	1994-2002	Manual Trans	Dodge	Primary Turbo, Filter-to-Turbo Pipe, Clamp, Oil Drain, Reducer Sleeve, Hardware
1045423 (F)	1998-2002	24-valve Auto Trans	Dodge	Primary Turbo, Filter-to-Turbo Pipe, Clamp, Oil Drain, Reducer Sleeve, Hardware

Notes: (A) 2005 Rams with plastic intercooler reservoir tanks require metal intercooler reservoir tanks or 1042525 Intercooler.  
 (C) Upgrade from 1045230 or 1045235 Super B Single kits  
 (D) Upgrade from 1045330 Super B Twin kit  
 (E) Upgrade from 1045120 or 1045130 Super B Special  
 (F) Upgrade from 1045320 or 1045325 Twin Kits





► **Dodge 5.9L Track Master RT850 Twin Turbos**

RT850 5.9L 850 HP		
1552 CFM - 107.33 LBS/MN		
Compressor Wheel		
Low Press	72 mm	2.83 in
High Press	64.5 mm	2.54 in

RT850 Complete Twin Kits			
1045453	1994-1998 5.9L 12-valve	Dodge	Turbos, Down Pipe, Piping, Air Box, Washable Air Filter, Heat Wrap, Clamps, Hoses, Oil Drains, Brackets and Hardware
1045456	1998-2002 5.9L 24-valve	Dodge	Same as above plus Exhaust Manifold
1045450 (A)	2003-2007 5.9L	Dodge	Same as above plus Exhaust Manifold

RT850 Twin Upgrade Kits			
1045457 (E)	1994-2002 5.9L Super B Special	Dodge	Primary Turbo, Down Pipe, Piping, Air Box, Washable Air Filter, Heat Wrap, Clamps, Hoses, Oil Drains, Brackets and Hardware
1045455 (A) (E)	2003-2007 5.9L Super B Special	Dodge	Same as above plus Exhaust Manifold
1045452 (A)	2003-2007 5.9L RT700 Upgrade	Dodge	New Secondary Turbo and gaskets. RT700 Primary Turbo must be sent in for machining

RT850 Complete Kits w/o Secondary			
1045427	1998-2002 5.9L 24-valve Manual	Dodge	Primary Turbo, Down Pipe, Piping, Air Box, Washable Air Filter, Heat Wrap, Clamps, Hoses, Oil Drains, Brackets and Hardware
1045428	1998-2002 5.9L 24-valve Auto	Dodge	Same as above plus Exhaust Manifold

► **Dodge 5.9L Track Master RT1000 Twin Turbos**

RT1000 5.9L 1000 HP		
1944 CFM - 134.44 LBS/MN		
Compressor Wheel		
Low Press	82.2 mm	3.24 in
High Press	64.5 mm	2.54 in

RT1000 Twin Kits			
Complete Twin Kits			
1045459	1998-2002 5.9L 24-valve	Dodge	Turbos, Down Pipe, Piping, Air Box, Washable Air Filter, Heat Wrap, Clamps, Hoses, Oil Drains, Brackets and Hardware
1045460 (A)	2003-2007 5.9L	Dodge	Same as above plus Exhaust Manifold

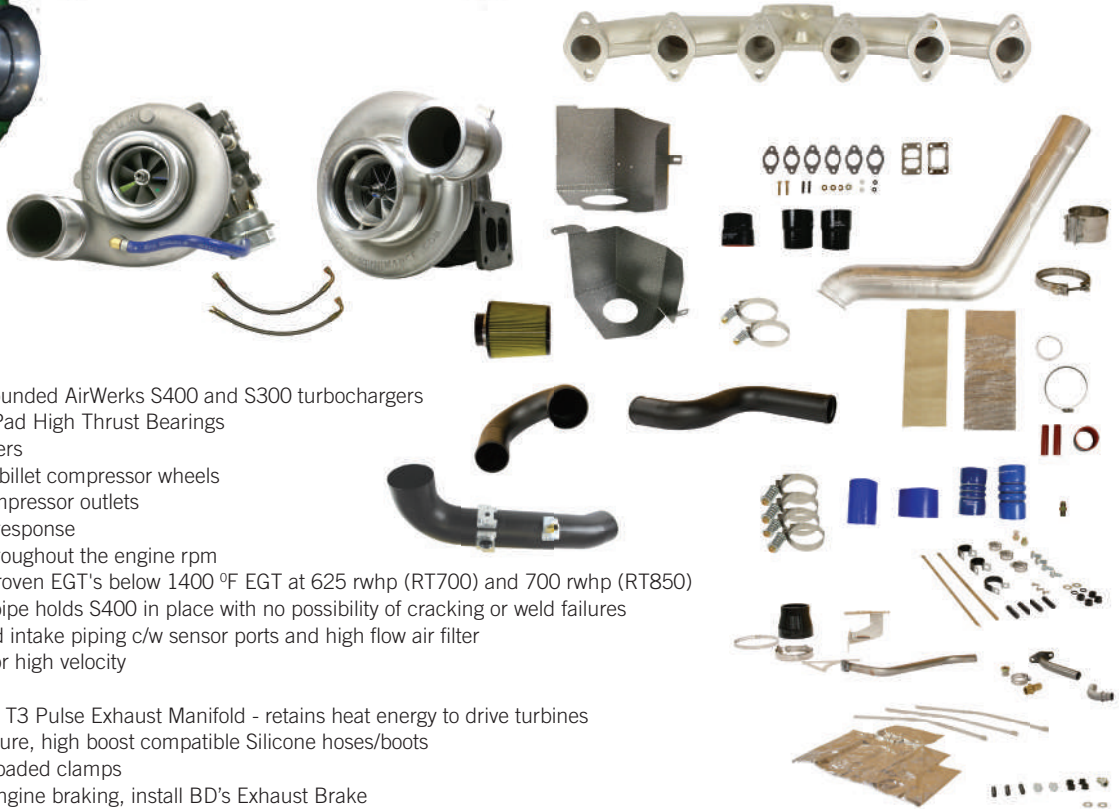
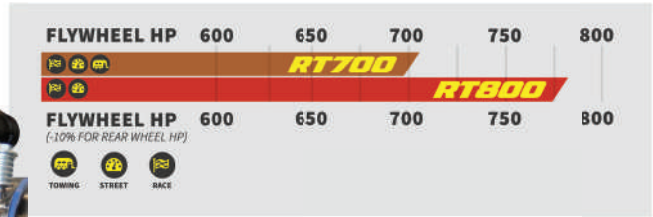
Notes: (A) 2005 Rams with plastic intercooler reservoir tanks require metal intercooler reservoir tanks or 1042525 Intercooler.  
 (C) Upgrade from 1045230 or 1045235 Super B Single kits  
 (D) Upgrade from 1045330 Super B Twin kit  
 (E) Upgrade from 1045120 or 1045130 Super B Special  
 (F) Upgrade from 1045320 or 1045325 Twin Kits





## ► Dodge 6.7L Track Master Twin Turbos

**6.7L**  
CUMMINS



- Staged-compounded AirWerks S400 and S300 turbochargers
- 360 Deg & 6 Pad High Thrust Bearings
- Velocity inducers
- Cast, FMW or billet compressor wheels
- 90-degree compressor outlets
- Great throttle response
- Cool power throughout the engine rpm
- DAQ testing proven EGT's below 1400 °F EGT at 625 rwhp (RT700) and 700 rwhp (RT850)
- Cast iron hot pipe holds S400 in place with no possibility of cracking or weld failures
- Powder coated intake piping c/w sensor ports and high flow air filter
- 3" CAC pipe for high velocity
- 4" intake pipe
- Stainless Steel T3 Pulse Exhaust Manifold - retains heat energy to drive turbines
- High temperature, high boost compatible Silicone hoses/boots
- T-Bolt spring loaded clamps
- For superior engine braking, install BD's Exhaust Brake

## ► Dodge 6.7L Track Master RT700 Twin Turbos

RT700 6.7L 750 HP	
1625 CFM	- 112.46 LBM/MN
Compressor Wheel	
Low Press	72 mm 2.83 in
High Press	64.5mm 2.54 in

RT700 Complete Twin Kits			
1045480	2007.5-2009	Dodge	Turbos, Down Pipe, Piping, Air Box, Washable Air Filter, Heat Wrap, Clamps, Hoses, Exhaust Manifold / Turbo Gaskets, Oil Drains, Brackets and Hardware
1045481	2010-2012	Dodge	Turbos, Down Pipe, Piping, Air Box, Washable Air Filter, Heat Wrap, Clamps, Hoses, Exhaust Manifold / Turbo Gaskets, Oil Drains, Brackets and Hardware

RT700 Twin Upgrade Kits			
1045490 (G)	2007.5-2009	Dodge	Primary Turbo, Down Pipe, Piping, Air Box, Washable Air Filter, Heat Wrap, Clamps, Hoses, Exhaust Manifold / Turbo Gaskets, Oil Drains, Brackets and Hardware
1045491 (G)	2010-2012	Dodge	Primary Turbo, Down Pipe, Piping, Air Box, Washable Air Filter, Heat Wrap, Clamps, Hoses, Exhaust Manifold / Turbo Gaskets, Oil Drains, Brackets and Hardware

Notes: (G) Upgrade from 1045140 6.7L Super B Special Kit

## ► Dodge 6.7L Track Master RT800 Twin Turbos

RT800 6.7L 850 HP	
1850 CFM	- 127.94
Compressor Wheel	
Low Press	80.0 mm 3.15 in
High Press	67.0 mm 2.64 in

RT800 Complete Twin Kits			
1045482	2007.5-2009	Dodge	Turbos, Down Pipe, Piping, Air Box, Washable Air Filter, Heat Wrap, Clamps, Hoses, Exhaust Manifold / Turbo Gaskets, Oil Drains, Brackets and Hardware
1045483	2010-2012	Dodge	Turbos, Down Pipe, Piping, Air Box, Washable Air Filter, Heat Wrap, Clamps, Hoses, Exhaust Manifold / Turbo Gaskets, Oil Drains, Brackets and Hardware

RT800 Twin Upgrade Kits			
1045492 (G)	2007.5-2009	Dodge	Primary Turbo, Down Pipe, Piping, Air Box, Washable Air Filter, Heat Wrap, Clamps, Hoses, Exhaust Manifold / Turbo Gaskets, Oil Drains, Brackets and Hardware
1045493 (G)	2010-2012	Dodge	Primary Turbo, Down Pipe, Piping, Air Box, Washable Air Filter, Heat Wrap, Clamps, Hoses, Exhaust Manifold / Turbo Gaskets, Oil Drains, Brackets and Hardware

Notes: (G) Upgrade from 1045140 6.7L Super B Special Kit





<< 45mm Wastegate optional

### ► Dodge Cobra Twin 5400 Kits

- New **BorgWarner** SXE 486/96 T6 and SXE 472/87 T4 Turbos
- **Cobra casting enables use of A/C, batteries and shock tower**
- High pressure V-band and expansion joint connections ensure a secure fitment up over 120psi
- Wastegated Pulse T4 exhaust manifold
- **Dual volute hot pipe helps primary turbo exhaust flow**
- 5" exhaust downpipe
- Complete bolt on install kits



Cobra Install Kits Only				
1045780	2003-2007 5.9L	Dodge	Down Pipe, Piping, Air Box, Washable Air Filter, Heat Wrap, Clamps, Hoses, Wastegated Exhaust Manifold, Turbo Gaskets, Battery Box, Oil Drains, Brackets and Hardware	
1045781	2007.5-2009 6.7L	Dodge		
1045782	2010-2012 6.7	Dodge		

1200HP TURBOS				
2315 CFM - 160 LBM/MN				
High Pressure				
S467B91F-834100	Compressor	Turbine	A/R	
	67 mm	83 mm	1.00	
Low Pressure				
S486BF00-966132	Compressor	Turbine	A/R	
	86 mm	96 mm	1.32	

1400HP TURBOS				
2750 CFM - 190 LBM/MN				
High Pressure				
S472B91F-874110	Compressor	Turbine	A/R	
	72 mm	87 mm	1.10	
Low Pressure				
S486BF00-966132	Compressor	Turbine	A/R	
	86 mm	96 mm	1.32	

Check out Common Rail Performance Pumps & Inj's



0% to 180% Over Stock

RACEWAY

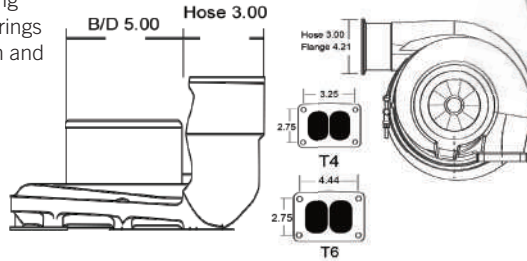






▶ **Track Master / Sled Master  
5400SX3 / 5400SX4 / 5500SX  
Turbochargers**  
▶ **2.5 Class, 3.0 & 3.6 Smooth  
Bore Classes**

- BD Compressor covers with enhanced Pressure ratio and improved surge control with a Velocity Inducer
- Optional V-band connection, Pulling Class Inducers and Turbo Wheel Speed Sensor Port options
- 270 6-pad thrust bearing replace stock 3-pad
- Optional 360 6-pad thrust bearing
- Assembly balancing
- Grooved axial bearings
- 4.62 Half Marmon and 4.2 Full Marmon



<b>S400SX3 83 Turbine</b>				
LBS/MIN	Comp Wheel Inducer	Turbine Wheel	A/R	Flange
75	63.0 mm	83.4 mm/ 74 mm	0.90 / 1.00 1.10 / 1.25	T4
85	67.5 mm			
95	71.0 mm			

<b>S400SX4 96 Turbine</b>				
LBS/MIN	Comp Wheel Inducer	Turbine Wheel	A/R	Flange
102	71 mm	96.0 mm/ 88.0 mm	1.32	T6
105	75 mm			
120	80 mm			
127	82 mm			
136	86 mm			
153	88 mm			

<b>S400SX3 87 Turbine</b>				
LBS/MIN	Comp Wheel Inducer	Turbine Wheel	A/R	Flange
105	72.0 mm	87.3 mm/ 83 mm	0.90 / 1.00 1.10 / 1.25	T4
106	76.0 mm			
120	80.3 mm			
127	82.2 mm			

<b>S500SX 109.7mm Turbine</b>				
LBS/MIN	Comp Wheel Inducer	A/R Single Volute	A/R Dual Volute	Flange
140	88.0 mm	0.85 / 1.00	1.15	T6
150	91.0 mm	1.15 / 1.30	1.45	
		1.45	1.60	



HIP'd Cast

**TURBO PART NUMBER CONFIGURATION**

SERIES	COMPRESSOR GROUP				TURBINE GROUP		
S3 - S300 S4 - S400 S5 - S500	COMPRESSOR WHEEL SIZE (2-DIGIT)	B - BILLET C - CAST	1 - STRAIGHT F - STRAIGHT FLANGED 9 - 90 DEGREE	OPTION/CLASS 00 - NONE L25 - LUCAS 2.5 L30 - LUCAS 3.0	TURBINE WHEEL SIZE (2 OR 3 DIGIT*)	MOUNT 3 - T3 4 - T4 6 - T6	AR RATIO (3-DIGIT)

**PART NUMBER EXAMPLES:**

S486BF00-966132 - S400 / 86mm Billet Compressor Wheel / Flanged Outlet / 96mm Turbine Wheel / T6 Mount / 1.32 A/R Ratio  
S464CFL25-874110 - S400 / 64mm Cast Compressor Wheel / Flanged Outlet / 87mm Turbine Wheel / T4 Mount / 1.10 A/R Ratio

**HP AVERAGES**







1045800 2011-2014 6.7L Ford

CFM	LBS/MIN	COMP WHEEL	
1250	85	67 mm	2.64 in
HP	A/R	TURBINE WHEEL	
650	1.00	83 mm	3.27 in



## ► **Ford 6.7L Scorpion Turbo**

- Large Frame S467 / 83mm 1.10 A/R
- 90-deg compressor cover with 3in outlet
- T4 HiSi Exhaust Manifold
- Incorporated dual 1/8 NPT ports for EGTs
- EBP port for stock sensor
- Stainless heat shield keeps heat in and intake temperatures down
- Stainless crossover tube
- Billet aluminum pedestal block-off plate that incorporates oil drain and feed
- 1/8 NPT water feed port if using water cooled waste gate (Or CHRA)
- Intake horns machined from high strength A356 aluminum has optimal flow path over welded flange designs
- Retains Ford intake seals for ease of service and durability
- Provisions for MAP sensor included
- Y-Intake cast from high strength A356 aluminum with 3.5in inlet and 3in outlets
- Incorporated bosses for addition of Meth, NOS or Boost Pressure Sensors
- BD Boot Lock ready with boss positions on intake and outlets
- Rotary molded cold air box and intake tube
- MAF sensor mounting provision on intake tube
- High Flow velocity stacked 8in OD air filter
- High flow aluminized 4in 2-piece downpipe that mates to stock flange position for easy install to stock or aftermarket exhaust systems
- Cold air charge 3in compressor outlet and 3.5in intercooler to intake tubes with pressure sensor provision
- Custom 90-deg boot from intercooler
- Compatible with stock or aftermarket water-to-air intercooler





## ► Ford 6.4L PowerStroke Performance Twin Turbos

- Upgraded twin turbo system
- Low EGT's with more than a 100hp increase
- Higher flow larger billet compressor wheels
- New design compressor housing
- 4-inch intake velocity stack
- Custom intake system
- Support/cool 600hp-750hp
- Stock exchange Borg Warner turbos also available

**6.4L**  
POWERSTROKE

Performance Turbo Ford 2008 - 2010 6.4L Power Stroke		Core
1047080	Twin Turbo w/Air Intake	(✓)
1047081	Twin Turbo w/o Air Intake	(✓)

CFM / HP	Comp Wheel Inducer	
	Primary	Secondary
1400 / 750	73.0 mm	58.5 mm

	Comp Wheel Inducer	
	Primary	Secondary
STOCK	61.5 mm	54.5 mm
<b>BD</b>	<b>73.0 mm</b>	<b>58.5 mm</b>
Upgraded CFM	<b>1400</b>	
Upgraded HP	<b>600-750</b>	



**BALLISTIC**  
compressor

## ► Ford 6.0L PowerStroke Turbo Thruster II

- Turbine Diverter Valve
- Borg Warner S300 turbocharger with extended tip technology
- Double-port adjustable waste gate and shrouded housing
- Delivers quick response with strong mid and top-end power
- Prevents fall-on-your-face feeling
- Direct, bolt-in replacement for the stock turbo
- Everything needed for a professional-quality installation
- Standard kit comes with Electronic Tuner to optimize DTC's and fueling levels

1047070	2003-2007 6.0L c/w Electronics	Ford
1047071	2003-2007 6.0L w/o Electronics	Ford

CFM / HP	COMP WHEEL	
A/R	TURBINE WHEEL	
1044 / 540	61.5mm	2.42 in
0.70	74 mm	2.91 in

**BALLISTIC**  
compressor



**6.0L**  
POWERSTROKE

## ► Ford 7.3L PowerStroke Turbo Thruster II

- BD designed thrust collar and back plate
- BD designed sintered brass 360-degree 6-pad thrust bearing
- Reduced heat build-up and increased bearing durability
- Ballistic compressor wheel
- BD's Heavy Duty Waste Gate
- Reduced exhaust temperatures and smoke levels
- No surging
- 1.0 A/R turbine housing on Performance GTP38
- 0.84 A/R turbine housing on California GTP38
- California CARB EO number D-553-2
- GTP38 turbochargers are serviceable and come with a new oil resistant intake hose and clamp
- Great fit for off-road, street and highway applications!

**7.3L**  
POWERSTROKE

**BALLISTIC**  
compressor

JOHN TODD DESIGN  
BUILT BY BD



1047500	1994-1998 7.3L TP38	Ford
1047510 (A)	1999.5-2003 7.3L GTP38	Ford
1047511 (A) (B)	1999.5-2003 7.3L GTP38 Calif	Ford

CFM / HP	COMP WHEEL	
A/R	TURBINE WHEEL	
1050 / 525	63.5 mm	2.50 in
1.00	68 mm	2.68 in

Notes: (A) F-Series pick-up only - No E-Series van  
(B) 50-State Legal CARB EO# D-553-2



**6.0L**  
POWERSTROKE**Garrett****Ford Stock Replacement Exchange Turbos****7.3L**  
POWERSTROKE

Ford 2003 - 2007 6.0L Power Stroke			Core
725390-5006	(A)	2003 6.0L	NO CORE!
743250-5024	(A)	2004-2005.5 6.0L	NO CORE!
743250-5025	(A)	2005.5-2007 6.0L	NO CORE!

Ford 1992.5 - 2003 7.3L Power Stroke			Core
466533-9001-B	(A)	1992.5-1994 7.3L IDI	(✓)
466533-9001-MT	(A)	1992.5-1994 7.3L IDI Modified	(✓)
468485-9004-B	(A)	1994-1998.5 7.3L DI TP38 Pick-up w/o Pedestal	(✓)
466163-9012-B	(A)	1994-1998.5 7.3L DI TP38 Pick-up c/w Pedestal	(✓)
468488-9003-B	(A)	1994-1998.5 7.3L DI TP38 Pedestal	(✓)
471128-9010-B	(A)	1998.5-1999.5 7.3L DI GTP38 Pick-up w/o Pedestal	(✓)
702650-9005-B	(A)	1998.5-1999.5 7.3L DI GTP38 Pick-up c/w Pedestal	(✓)
471131-9008-B	(A)	1998.5-1999.5 7.3L DI GTP38 Van w/o Pedestal	(✓)
702651-9001-B	(A)	1998.5-1999.5 7.3L DI GTP38 Van c/w Pedestal	(✓)
451747-9014-B	(A)	1998.5-1999.5 7.3L DI GTP38 Pedestal	(✓)
702011-9011-B	(A)	1999.5-2003 7.3L DI GTP38 Pick-up w/o Pedestal	(✓)
702012-9012-B	(A)	1999.5-2003 7.3L DI GTP38 Pick-up c/w Pedestal	(✓)
702013-9010-B	(A)	1999.5-2003 7.3L DI GTP38 Van w/o Pedestal	(✓)
702014-9017-B	(A)	1999.5-2003 7.3L DI GTP38 Van c/w Pedestal	(✓)
701803-9006-B	(A)	1999.5-2003 7.3L DI GTP38 Pedestal	(✓)

**BorgWarner Turbo Systems**

Ford 2008 - 2010 6.4L Power Stroke			Core
179514-B	(A)	Complete Twin Turbo Assembly	(✓)

**6.7L**  
POWERSTROKE

Ford 2011 - 2013 6.7L Power Stroke			Core
795655-9006	(A)	2011-2013 6.7L F-Series	(✓)
795657-9006	(A)	2011-2013 6.7L F450/F550	(✓)

**Garrett**Notes: (A) Part number for reference only, consult original unit ID tag for part number  
CORE (✓) - Refundable core charges apply.**6.4L**  
POWERSTROKE**6.6L**  
DURAMAX**Duramax BD 6.6L SuperMax Turbo Kits**

- BD/AirWerks S300 turbo
- Creates enough airflow for 275-575hp
- Quicker spool up
- Greater overall efficiency lowers EGT's
- Reduces exhaust emissions & improves fuel economy
- 6-pad thrust bearing
- Revised oiling system vastly increases reliability



1046200	2001-2004 LB7	Chevy
1046210	(G) 2004-2005 LLY	Chevy
1046215	(G) 2006-2007 LBZ	Chevy

Notes: (G) Requires HP Tuner or EFI Live

CFM / HP	COMP WHEEL
1160 / 575	64.5mm 2.54 in
A/R	TURBINE WHEEL
0.80	80 mm 3.15 in

Install Only Kits - No Turbo		
1046202	2001-2004 LB7 Install Kit w/T3 Pedestal Kit	Chevy
1046203	2001-2007 T3 Mount Pedestal Kit	Chevy

**Chevy Stock Replacement Exchange Turbos****6.5L**  
CHEVY

Chevy 1991-2000 6.5L			Core
GM-3	(A)	1991-1993 GM 6.5L	(✓)
GM-4	(A)	1993-1994 6.5L	(✓)
GM-8	(A)	1995-2000 6.5L	(✓)
GM-6	(A)	1991-2000 Cube Van 6.5L	(✓)

Notes: (A) Part number for reference only, consult original unit ID tag for part number  
CORE (✓) - Refundable core charges apply.**6.6L**  
DURAMAX

Chevy 2001-2007 6.6L Duramax			Core
DM6.6-VICU	(A)	2001-2004 LB7 Duramax - Tag SPEC VICU	(✓)
DM6.6-VIDQ	(A)	2001-2004 LB7 Duramax - Tag SPEC VIDQ	(✓)
DM6.6-VIDR	(A)	2001-2004 LB7 Duramax - Tag SPEC VIDR	(✓)
736554-9011-B	(A)	2004-2006 LLY Duramax	(✓)
759622-9002-B	(A)	2006-2007 LBZ Duramax	(✓)
763333-9005-B	(A)	2007-2010 LMM	(✓)
792129-9004-B	(A)	2011-2015 LML	(✓)
785580-9004-B	(A)	2011-2015 LGH Cab & Chassis	(✓)

**6.0L**  
POWERSTROKE**Garrett PowerMax Turbochargers**

- Garrett® patented Advanced Variable Nozzle Turbine (AVNTTM) design
- Increased compressor flow and boost response
- Significantly increase turbine efficiency
- Electro-hydraulic actuation and proportional solenoid
- Larger compressor wheel increases maximum power range
- Supports up to 575hp with no sacrifice in drivability
- Suitable as a performance upgrade or replacement of original equipment
- Perfect fit each and every time

**6.6L**  
DURAMAX

	HP	CFM	COMP WHEEL
777469-5001	2003 6.0L Ford 500 HP	1015	63.5mm 2.50in
772441-5001	2004-2007 6.0L Ford 500 HP	1015	63.5mm 2.50in
773540-5001	2004.5-2010 6.6L Chevy 500 HP	1050	64.7mm 2.55in
773542-5001	2004.5-2010 6.6L Chevy 575 HP	1135	67.8mm 2.67in



## ► Turbo Blankets

- Cooler engine compartment temperatures can result in higher density that results in more power
- Reduces under hood temperature increasing life of hoses, harnesses and coolant bottle
- Retains and normalizes internal turbine housing temperatures for lower spool times
- Custom fit for Borg Warner T3 S300 Wastegated, T4 S300/S400 & T6 S400/S500
- Also fits most similar size Garrett and Holset turbo applications
- Comes with stainless steel springs and built in retaining clips for a seamless install
- Stylized look with custom BD embroidery

1453521	T3 S300 Wastegated	All
1453522	T4 S300 / S400	All
1453523	T6 S400 / S500	All



## ► Cool Down Timer

- Prevent turbo damage during hot engine shutdown
- EGT, time and manual controlled shutdown
- Works with any K-Type EGT probe
- Compatible with most OEM vehicle security alarms
- Reduces DPF regeneration on 2008-up vehicles
- Dodge 2006-2015 kits come with factory plug-ins for easy installation

1081160	Cool Down Timer	See Chart
1081160-D1	2006-2009	Dodge
1081160-D2	2010-2012	Dodge
1081160-D3	2013-2016	Dodge
1081151	Exhaust Probe Kit	All

1081160 Applications		
Dodge	1994-2005	Cummins 5.9L
Ford	1994-2016	PowerStroke 7.3L/6.0L/6.4L/6.7L
Chevy	2001-2014	Duramax 6.6L



## ► Dodge 1988-1993 16cm Turbine Housing

- 16cm non-waste gated, dual throat housing
- Replaces the 18cm and 21cm housings
- Faster turbo spool-up
- Quicker throttle response
- Higher top end boost levels

1045911	1988-1993 5.9L	Dodge
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## ► Turbo Boost Controls

- Keeps the wastegate valve closed
- Prevents wastegate "creep"
- High temperature resistant Nomex diaphragm
- Heavier spring
- Turnbuckle for precise boost pressure settings

Waste Gate Kits		
1047150	1994-1998.5	Dodge
1047151 (A)	1999-2002 w/HX35 Turbo	Dodge
1047154	2003-2007	Dodge
1047160	2001-2004 LB7 Duramax	Chevy
1047170	1999.5-2003 7.3L PowerStroke	Ford

Notes: (A) 1999-2000 Auto Trans can have HX35 or HY35 turbo. HY35 can use 1045991 HY35 X-Hook



## ► Dodge HY35 X-Hook

- 1999-2002 Dodge trucks with the HY35 turbo
- Easy bolt-on installation
- Increases bottom end boost

X-Hook for HY35 Turbos		
1045991	1999-2002 w/HY35 Turbo	Dodge



## ► Electronic Boost Builders

- Get more performance out of your electronically controlled engine
- Installed in-line with the MAP sensor
- Increases available boost by intercepting the message to the ECM
- Prevents setting an over-boost trouble code
- Saves 50-80 horsepower

## ► Dodge Cummins 5.9L / 6.7L

Electronic Boost Builders		
1515931	1998-2000 24-valve w/Round MAP	Dodge
1515932	2001 w/Oval MAP Plug	Dodge
1515933	2002 w/Flat MAP Plug	Dodge
1515935	2003-2004 305hp	Dodge
1515936	2004.5-2007 5.9L 325hp	Dodge
1515937	2007.5-2012 6.7L	Dodge



## ► Ford PowerStroke 6.0L

1516000	2003-2007 6.0L	Ford
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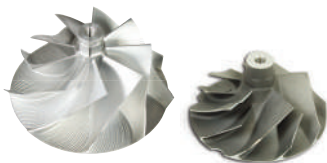


## ► Chevy Duramax 6.6L

1515940	2001-2004 LB7	Chevy
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## ► Ford PowerStroke 7.3L Compressor Wheel

- Billet or Cast replacement compressor wheel for stock turbos
- Higher flow
- Billet Milled 9-bladed extended tip wheel design
- Quicker Spooling
- Higher Boost Pressure
- Eliminates Compressor Surging
- Reduces EGT's
- Improves Fuel Economy
- Reduces Visible Emissions



**1.0  
A/R**

## ► Ford PowerStroke 7.3L 1.0 A/R Turbine Housing

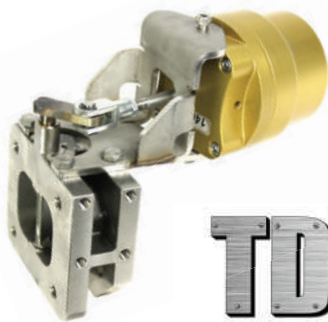
- Upgrade from stock 0.84 A/R housing
- Increase performance by reducing back pressure
- Lower EGT's.

1999.5-2003 7.3L Power Stroke		
1047000	Cast	Ford
1047001	Billet	Ford

1999.5-2003 7.3L Power Stroke		
1047005	Turbine Housing 1.0 A/R	Ford

## ► Ford PowerStroke 7.3L Wheel - Waste Gate - Turbine Housing Combo Kits

1999.5-2003 7.3L Power Stroke		
1047002	Billet Wheel - Waste Gate Control Combo Kit	Ford
1047003	Billet Wheel - Waste Gate - 1.0 A/R Housing Ultra Kit	Ford



**TDV**  
Turbine Diverter Valve

## ► Track Master Turbine Diverter Valve

- Allows an oversized turbocharger to be used without a lag in spool time
- Feeds all the exhaust gas flow through one of the two exhaust turbine volutes initially for bottom end performance
- Valve opens up both volutes when set PSI is reached for top end performance
- Benefits higher flowing turbine housings for high rpm and high horsepower engines

SIDE MOUNT BRACKET		CENTER MOUNT BRACKET	
1044100	T4-T3 Turbo Mount	1044101	T4-T3 Turbo Mount
1044105 (A)	T4-T4 Turbo Mount	1044104 (A)	T4-T4 Turbo Mount

Notes: (A) T6 mounting requires 1044111 T4-T6 adapter

## ► TDV Regulation & Waste Gate Control Valve

- Fine tune opening pressure
- Perfect for turbocharger waste gate controls & Turbine Diverter Valves!

1044103 Control Valve Kit



**THUMB SCREW CONTROL**



## ► Turbo Guard

- Prevents thrust bearing wear caused by off throttle surges
- Prevents turbo damage by suddenly closed throttles while under load
- Protects stock or aftermarket turbos from surging and possible compressor wheel explosions
- Adjustable valve opening pressure
- Six different custom settings including valve opening pressure, activation sensitivity, clutch cancellation and more
- Universal applications come with Aluminum or Steel adapters, and, Red or Silver valve
- Older non-APPS or TPS vehicles such as 1994-1998 5-Speed 12-Valve Dodges require specific application

		Red Valve	Silver Valve
Aluminum Adapter	All	1047250AR	1047250AS
Steel Adapter	All	1047250SR	1047250SS
1994-1998 5-Speed 12-valve	Dodge	1047251SR	1047251SS

## ► Flange Adapters

- Inexpensive alternative to replacing the manifold and allows for quicker changes back and forth from T4 to T3 turbos
- Large foot print T6 turbos can be bolted to a T4 manifold or Turbine Diverter Valve

1044111	T4-T6 Dual Volute
1044110	T4-T6 Single Volute
1044106	T3-T4 Adapter Flange





## ► Dodge 6.7L X-Flow Intake System

- Improve turbo response
- Reduces boost pressure drop/loss on the stock intake system
- 74% larger plenum
- 4 convenient ports for connecting to gauges, water methanol injection and other injection nozzles
- 4-inch inlet with new 3.5-inch intercooler connection pipe
- Includes adapting hoses, spring loaded clamps and flange gasket
- Reduces EGR carbon deposits that further increase restriction

6.7L Intake Horn		
1041560	2008-2009	Dodge
1041561	2010-2012	Dodge
1041566	2013-2016	Dodge

- Eliminates restrictive stock cold weather intake air heater grid
- 35% larger opening cools EGT's and improves turbo response
- For cold weather operation, optional Intake Heater available for use with BD 6.7L X-Flow Intake horns

6.7L Intake Open Grid		
1041564	2008-2016	Dodge

6.7L Intake Heater		
1041563 (A)	2008-2012	Dodge

Notes: (A) Fits 1041560 and 1041561 Kits



## ► X-Flow Power Intake Elbows

- Larger Black Powder Coated plenum
- Increased available airflow
- Smooth radius turns to reduce turbulence and intake pressure losses
- Two convenient ports (one pre-tapped) make it easy to monitor boost and/or inject nitrous or other power adder

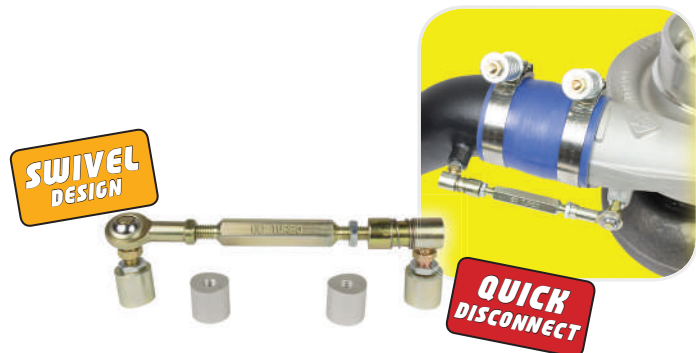
1041550	1998-2002 24-valve Ram	Dodge
1041555	2003-2007 5.9L Ram	Dodge
1041570	2003-2004 6.0L PowerStroke	Ford
1041577	2005-2007 6.0L PowerStroke	Ford
1090003	2008-2010 6.4L PowerStroke	Ford



## ► Boot Lock Kit

- Includes aluminum and steel threaded stand-offs to weld onto turbo, intercooler & pipes
- No welding required on some BD and Borg Warner turbos
- Includes brackets to secure the pipes & hoses in place
- Swivel design with 15° articulation compensates for difference in pipe sizes
- Quick disconnect allows for ease of changing intake components
- 1.50 inches of travel provides ease of adjustment
- Accommodates boots up to 5 inches in length

1045201	Boot Lock Kit
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## ► Dodge Intercooler Replacement Pipe

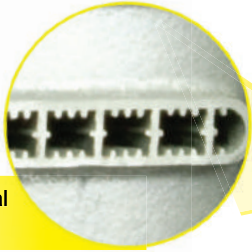
- Replaces factory plastic intercooler intake pipes on 2006-2009 5.9L / 6.7L that are prone to cracking and bursting
- Powder coated polished appearance for 2003-2007 5.9L
- Black powder coated 2007-2009 6.7L

1042590	2003-2007 5.9L	Dodge
1042595	2007-2009 6.7L	Dodge

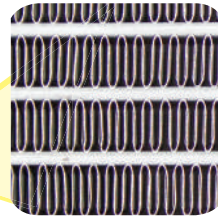




# INTERCOOLERS



Xtruded Internal Protrusions



Small efficient Xtrusions allow more air to radiator



## ► XTRUDED Charge Air Coolers

- More power and better fuel economy, lower EGT
- 57% more cooling surface with 95% better heat dissipation
- Withstand over 130 PSI of Boost
- Larger passages provide more air cooling flow for the engine's radiator resulting in less fan clutch engagement
- High flow cast end tanks with balloon proof support struts
- The strongest most efficient cooler on the market

1042520	1994-2002	Dodge
1042525	2003-2009 5.9L/6.7L	Dodge
1042530	2010-2012 6.7L	Dodge
1042700	1999-2003 7.3L	Ford
1042710	2003-2007 6.0L	Ford
1042720	2007.5-2010 6.4L	Ford
1042600	2001-2005 Duramax	Chevy
1042610	2006-2010 Duramax	Chevy

	Inlet	Stack Outlet	BD Outlet
Turbo Boost (psig)	40.0	35.5	39.1
Temperature (°F)	400	149.4	129.6

Tested on a 2006 Dodge @ 100°F ambient temperature



## ► Intake Hoses and Clamps

- Each Hose is designed to meet 3x their working pressure
- Utilizing 4, 5 plies of DuPont Nomex / Aramid fiber (no inferior Polyester is used)
- Higher pressure applications have a Red Iron Oxide internal color
- Fluorosilicone elastomers and Fluorocarbon withstands oily residues
- Spring loaded 300 Series Stainless Steel band clamping force remains consistent through heat cycles
- Many specific kits for specific vehicles, turbochargers and intercoolers

1045210	1994-2002	Dodge
1045215	2003-2007 5.9L	Dodge
1045216	2007.5-2009 6.7L	Dodge
1045217	2010-2012 6.7L	Dodge

1047030	1999-2003 7.3L	Ford
1047035	2003-2007 6.0L	Ford
1047034	2003-2007 6.0L c/w Intake Pipe	Ford
1047037	2008-2010 6.4L PowerStroke	Ford

1046275	2001-2004 LB7 Duramax	Chevy
1046276	2004.5-2005 LLY Duramax	Chevy
1046277 (A)	2006-2010 Duramax (Driver's Side)	Chevy

Notes: (A) Kit contains driver's side boots & clamps only

- Have a special application or need individual clamps?

High Torque Hose Clamps		
1405208	2.59"-2.94"	All
1405209	2.75"	All
1405211	3"	All
1405212	3.5"	All
1405213	4"	All



## ► **Ford 7.3L Turbo Feed UpPipes**

- Replaces factory exhaust feed system which is prone to leakage
- Prevents loss of turbo drive pressure and increased EGT's
- Crush donuts replaced with stainless steel gaskets for extended sealing life
- Maximizes transfer of heat energy to the turbo
- Less restrictive, internally shielded expansion bellows
- Reduces the chance for piping burn out
- High-silicon ductile iron Y-adapter

1043900 1999.5-2003 7.3L PowerStroke Ford



## ► **Ford 6.4L UpPipes & Manifolds Kit**

- Exhaust manifolds with heavy walled elbow connections prevent burning out
- Holds in exhaust gas temperatures enhancing turbine pumping efficiency
- Manifolds coated to resist corrosion
- Pre-drilled for pyrometer probes
- Optimized to improve velocity and evacuate the cylinders
- 304 Stainless Steel mandrel bent feed pipes
- Comes with exhaust manifold gaskets, turbocharger pipe gaskets and A/C offset adapter to eliminate damaging the A/C hose

1041481 2008-2010 6.4L PowerStroke Ford

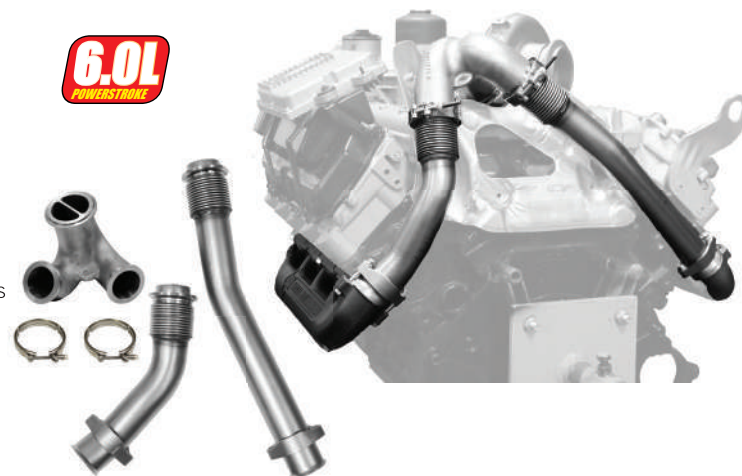


## ► **Ford 6.0L UpPipes**

- Investment cast stainless steel Y-pipe design is a perfect fit and eliminates leaks and corrosion
- Larger diameter 304 stainless steel uppipes includes internally shielded stainless steel expansion bellows
- V-band connections provide a flexible, easy aligning tight fit
- Stainless steel uppipe clamps included
- Maximizes your turbo response time and eliminates exhaust leaks

1043906 (A) 2003-2007 6.0L Ford  
1043905 (A) 2003-2004 6.0L C/w Heat Shield Ford

Note: (A) UpPipes installation on 2003-2004 years requires the removal of OEM heat shield. 1043905 kit includes new style heat shield for owners whom wish to have one reinstalled.



## ► **Ford 6.0L Exhaust Manifolds**

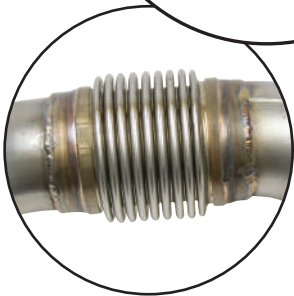
- Heavy walled manifolds hold in exhaust gas temperatures to enhance turbine pumping efficiency
- Optimized runners to improve velocity and evacuate the cylinders
- Coated to resist corrosion
- Pre-drilled for pyrometer probes
- Replaces old rusted and leaking stock exhaust manifolds that normally require extensive cleaning and machine work to be recovered from warping and distortion

1041480 2003-2007 Ford





**6.6L**  
DURAMAX



**► Duramax UpPipes**

- Stainless Steel cast connection points
- Heavy walled stainless tubing prevent hot exhaust gas and corrosive road salts from eating through the bends
- Larger inside diameter Stainless internally shielded heat expansion bellows
- Mandrel bends improve gas flow
- Better turbo response
- Lower EGTs
- No crush donuts required!

Complete Kit with Downpipe		
1043801	2001-2004 LB7	Chevy
1043802	2004.5-2010 LLY/LBZ/LMM	Chevy
UpPipes without Downpipe		
1043800 (A)	2001-2015	Chevy
Passenger Side Only Pipe		
1403802	2001-2015	Chevy

Notes: (A) Aftermarket downpipe required - Some modification necessary



**6.6L**  
DURAMAX



Stock Duramax Manifold

BD Duramax Manifold

**► Duramax Full Bore Exhaust Manifold**

- Replaces factory driver's side "pinched down" unit
- Restores exhaust flow and balances the V8 engine for smoother running
- Improves exhaust velocity to drive the turbocharger
- Improves power
- Lower EGT's
- High-silicon ductile iron
- Direct, bolt-in replacement
- Tapped to accept the most popular EGT probes

1041460	2001-2010 Duramax Exhaust Manifold	Chevy
---------	------------------------------------	-------

**► Cummins 5.9L Motor Home & Truck Manifolds**

- High-silicon ductile iron
- Designed to withstand extreme temperatures and vibration
- Great for stock and performance installations
- Connection joints allows for expansion and contraction
- Prevents cracking or exhaust leaks
- Quicker turbo spool up
- Reduced back-pressure
- Increased power
- Kit includes stainless steel hardware
- Gaskets are available separately.



12V Motor Home 6BT 5.9L

**5.9L**  
CUMMINS

Cummins Motor Home & Truck 5.9L Exhaust Manifolds		
1045989	12-valve Motor Homes	Cummins
1045985	24-valve replaces Cummins # 3946036	Cummins
1045987	Common Rail replaces Cummins # 3967995, 3943871 & 3943875	Cummins

Optional Exhaust Manifold Gasket Kits		
1045981	1988-1998 12-valve	Cummins
1045986	1998-2007 5.9L 24-valve	Cummins





## ► Dodge 5.9L Exhaust Manifolds

- High-silicon ductile iron
- Designed to withstand extreme temperatures and vibration
- Great for stock and performance installations
- Connection joints allows for expansion and contraction
- Prevents cracking or exhaust leaks
- Quicker turbo spool up
- Reduced back-pressure
- Increased power
- Kit includes stainless steel hardware
- Gaskets are available separately.

Dodge 5.9L Exhaust Manifolds			
1045980	1988-1998 12-valve	Dodge	
1045985	1998-2002 24-valve	Dodge	
1045987	2003-2007 5.9L	Dodge	

Exhaust Manifold Gasket Kits			
1045981	1988-1998 12-valve	Dodge	
1045986	1998-2007 5.9L 24-valve	Dodge	

**PULSE**



1988-2002 3-pc Design

**5.9L**  
CUMMINS



2003-2007 2-pc Design

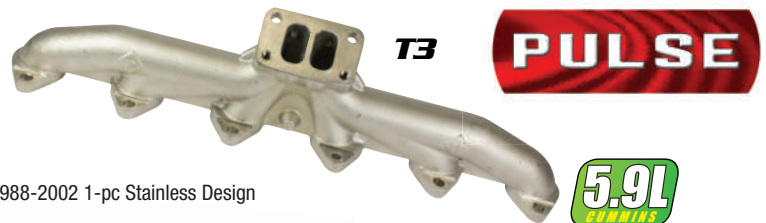
**T3**

## ► Dodge 5.9L STAINLESS Exhaust Manifolds

- Durable Stainless Steel
- Withstand temperatures in excess of 2000°F without cracking
- Reflective heat properties holds the heat within
- Cools down quicker once the engine is stopped
- Turns Gold color once heated
- Pretapped for gauges.

Dodge 5.9L Stainless Exhaust Manifolds			
1045980SS	1988-1998 12-valve	Dodge	
1045985SS	1998-2002 24-valve	Dodge	

Exhaust Manifold Gasket Kits			
1045981	1988-1998 12-valve	Dodge	
1045986	1998-2007 5.9L 24-valve	Dodge	



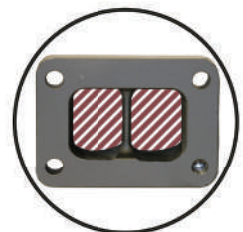
1988-2002 1-pc Stainless Design

**5.9L**  
CUMMINS



**6.7L**  
CUMMINS

**Stock HE351 Mount**  
OEM BD



- Open throat outlet flange outperforms the stock manifold

## ► Dodge 6.7L Exhaust Manifolds

- 6.7L performance stock replacement manifold for use with the Holset HE351 Turbo
- Cast of high silicon ductile iron to withstand extreme temperature cycling caused during DPF regeneration and in high performance applications
- Larger porting design will handle any increase in power
- Thick walled casting and integral slip joint prevents cracking and exhaust leaks
- Experience quick spool times and low drive pressures with an overall increase in performance
- Pre-drilled for pyrometer probes
- Gaskets are available separately

Dodge 6.7L Exhaust Manifolds			
1045965	2007.5-2015 OEM HE351 Mount	Dodge	
1045965-T4	2007.5-2015 T4 Pulse Mount	Dodge	

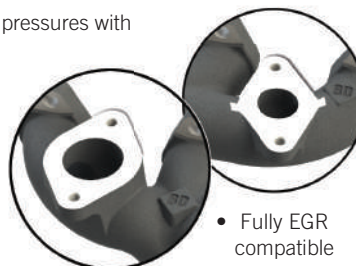
Exhaust Manifold Gasket Kits			
1045992	2007.5-2015 - OEM Turbo Mount	Dodge	
1045992-T4	2007.5-2015 - T4 Turbo Mount	Dodge	

**T4**



**PULSE**

- T4 (S300,S400, etc.) outlet available with fully divided pulse manifold design



- Fully EGR compatible







► **Dodge T4/T6 Exhaust Manifolds**

- Larger runner size helps enhance flow through the manifolds
- No restriction throughout rpm
- Cast ports and runners match inlet gasket within 0.03"
- Center Mount can face down or up
- Optimum 20° flange helps mounting S400, S500 other larger turbochargers
- Heavy cast HiSi Ductile Iron retains heat energy
- High temperature black coated
- Drilled and tapped 1/8-NPT ports
- Thick walls allows for drilling/tapping of individual cylinder pyro ports
- Heat expansion joints prevents cracking
- Intended for installation with competition turbos
- Some modifications to vehicle/engine components will be necessary



**Dodge 5.9L/6.7 T4 & T6 Exhaust Manifolds**

1045995-T4	1998.5-2014 T4 Flange	Dodge
1045995-T6	1998.5-2014 T6 Flange	Dodge

**Exhaust Manifold Gasket Kits**

1045986-T4	1998.5-2014 T4 Flange	Dodge
1045986-T6	1998.5-2014 T6 Flange	Dodge



► **Dodge T4/T6 Waste Gated Exhaust Manifolds**

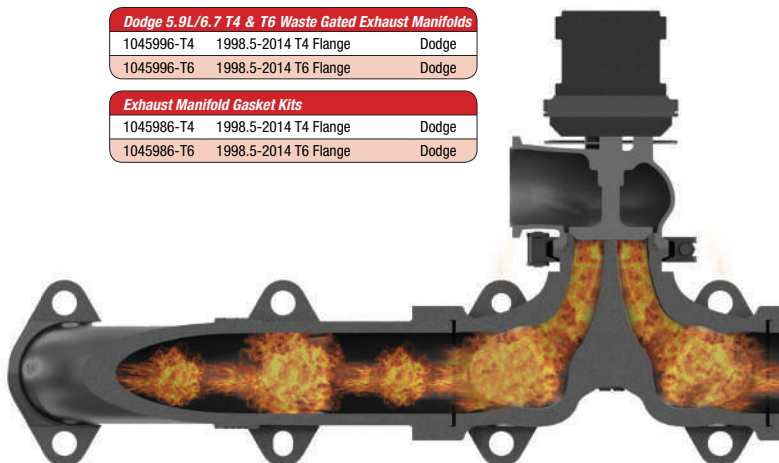
- Better cylinder exhaust evacuation to keep EGTs down
- "Combustion Pulse" remains constant with the W/G valve closed
- Improves turbo response
- Machined for use with 45mm Hyper Gate or Turbo Smart
- Block off plate and clamp provided
- Gate port area is 1.67 sq. in. - 33% of T4 / 12% of T6 inlet

**Dodge 5.9L/6.7 T4 & T6 Waste Gated Exhaust Manifolds**

1045996-T4	1998.5-2014 T4 Flange	Dodge
1045996-T6	1998.5-2014 T6 Flange	Dodge

**Exhaust Manifold Gasket Kits**

1045986-T4	1998.5-2014 T4 Flange	Dodge
1045986-T6	1998.5-2014 T6 Flange	Dodge



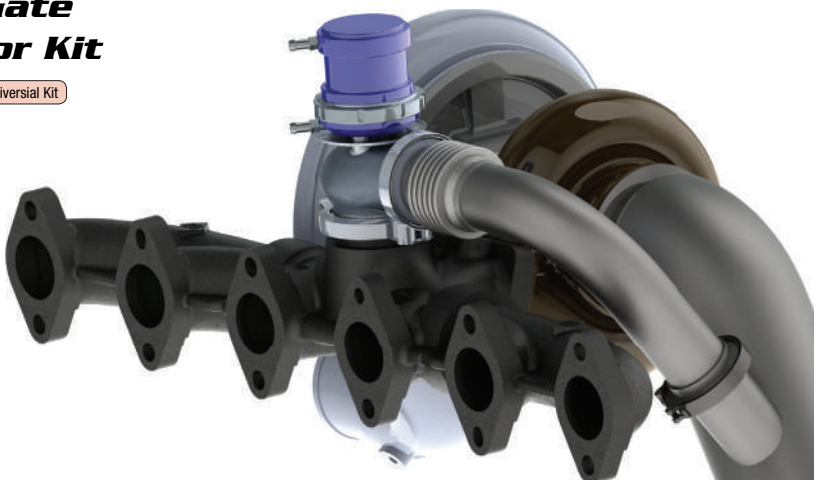
► **Waste Gate Regulator Kit**

1045996-WGK Universal Kit



► **Turbo Smart Waste Gate**

TS-0506-1202 Universal Kit

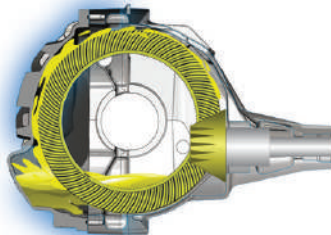




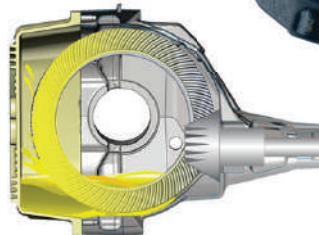
## ► Diff Covers

- Engineered cover design keeps oil on the gears
- Deflects oil back onto the ring gear and into the pinion gear for cooler longer life
- Extra capacity sump located at bottom for gears to pick up oil
- Internal and external cooling fins
- Stainless steel allen head cap bolts, fill plug
- Magnetic drain plug
- Gasketless cover has integral re-usable Viton O-Ring

1061835	1981-1993 DANA 70	Dodge
1061825	2003-2015 AA14-11.5	Dodge
	2001-2015 AA14-11.5	Chevy
1061830	1989-2015 AA 12-10.25/10.5 Single Rear Wheel	Ford



BD DIESEL



COMPETITOR



## ► Heavy Duty Transmission Oil Pans

- High volumes of cool oil equate to long transmission life
- Pans increase oil capacity
- Aluminum construction and heat-dissipating fins keep temperature down
- Increased rigidity prevents case twisting
- Kit includes a magnetic drain plug and temperature sending unit port

1061501	1989-2007 5.9L 727/518/47RE/47RH/48RE	adds 2 qt	Dodge
1061525 (A)	2008-2015 6.7L 68RFE 2001-2011 545RFE	adds 4.5 qt	Dodge / Jeep
1061716	1989-2010 E40D/4R100/5R110	adds 6 qt	Ford
1061650	2001-2014 Allison 1000	adds 3.5 qt	Chevy

Notes: (A) Will fit most 545RFE transmissions with HEMI and 4.7L engines where exhaust crossover pipe, frame cross member or catalytic converter do not interfere. Consult 545RFE list to right for applications that will most likely fit.

### 545RFE Applications (B)

Dodge Ram 1500 HEMI 2002-2005
Dodge Ram 1500 4.7L 2002-2011
Dodge Dakota 4.7L 2000-2004
Dodge Durango 4.7L 2000-2003
Jeep Grand Cherokee 4.7L 2000-2004



+2qt  
Dodge 1989-2007

+4.5qt

Dodge  
2008-2012



+6qt

Ford 1989-2010



+3.5qt

Chevy 2001-2010

## ► Cool Covers

- Made from cast aluminum
- Black powder coated with machined fin tops for a clean look
- Replaces the OEM valve covers to add a little more detail to your engine
- Covers come with new gaskets and are sold separately or in a set of six

1061800	(B)	1988-1998 12-valve - Single	Dodge
1061800-6	(B)	1988-1998 12-valve - Set of 6	Dodge

Note: (B) Heads with old style ARP studs, 14mm studs, A1 studs or other such head studs that the OEM valve covers will not fit require some grinding of the Cool Covers.







**30,000+  
GVW!**

## ► XTRUDED Transmission Oil Coolers

- 22% more cooling over other designs
- 200 Micro Extruded passages
- Large surface area to transfer heat for external air flow cooling
- Turbulent oil flow design promotes a more complete cooling
- Large 5/8-inch ports prevents inlet/outlet restriction
- Furnace brazed rails have been tested to 300psi of pressure
- Thermostatically controlled 80-watt, 10-inch, 800 CFM electric fan
- 33,930 BTU/HR and in excess of 30,000 GVW!

Kits complete with all fittings, clamps, hoses, hardware and a Build-It-Yourself galvanized bracket kit for quicker and cleaner installation – no wasting time fabricating brackets out of scrap metal. The pre-wired loomed harness with fuse and relay comes with plug-in connectors.



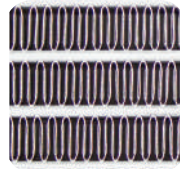
**INCLUDES  
BUILD-IT-YOURSELF  
BRACKET KIT  
FOR QUICKER AND  
CLEANER INSTALLATION**

1030606-5/16	5/16-inch Cooler Lines	Chevy Ford	1991-1999 1994-1997	4L80E E40D
1030606-3/8	3/8-inch Cooler Lines	Chevy Ford	1999-2000 1999-2003	4L80E 4R100
1030606-1/2	1/2-inch Cooler Lines	Dodge Ford	1994-2012 2003-2010	47RH, 47RE, 48RE, 68RFE 5R110
1030606-5/8	5/8-inch Cooler Lines	Chevy	2001-2010	Allison 1000
1300601	Cooler Assembly Only	All		

Micro Extruded  
bar technology



Stream-Lined  
external air passages



## ► XTRUDED Heavy Duty "DOUBLE STACKED" Transmission Oil Coolers

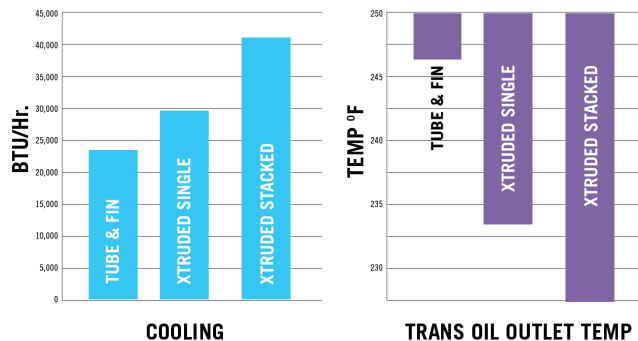


**40,000+ BTU/Hr  
Cooling  
350%+ Temp  
Drop**

- Double stacked cores deliver over 40,000 BTU/HR of cooling
- Over 350% temperature drop versus the factory system
- 136% better temperature drop than XTRUDED single core kit

Kits complete with all fittings, clamps, hoses, hardware and a Build-It-Yourself galvanized bracket kit for quicker and cleaner installation – no wasting time fabricating brackets out of scrap metal. The pre-wired loomed harness with fuse and relay comes with plug-in connectors.

1030606-DS-12	1/2-inch Cooler Lines	Dodge Ford	1994-2012 2003-2010	47RH, 47RE, 48RE, 68RFE 5R110
1030606-DS-58	5/8-inch Cooler Lines	Chevy	2001-2010	Allison 1000
1300601-DS	Cooler Assembly Only	All		



Testing Operating Conditions  
Inlet Oil Temperature - 250°F  
Oil Flow 7.8 GPM  
Air Flow 500 CFM @ 110°F 35% Humidity



1064017	1994-2007 5.9L	Dodge
1064012	1994-1997 E40D	Ford
1064013	1999-2003 4R100	Ford
1064018	2008-2010 5R110	Ford

## ► Full Flow Transmission Oil Filters

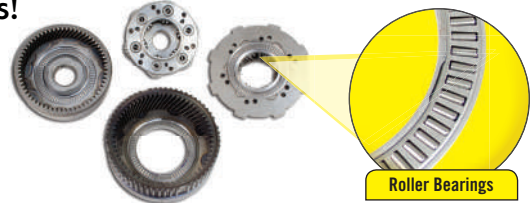
- Removes clutch material and metal particles from the transmission oil
- Adds oil capacity
- Reduces transmission oil temperature
- Kit Includes heavy duty hoses, fittings and brackets



## ► Dodge Performance Transmissions

Designed for everyday Street and Towing Applications!

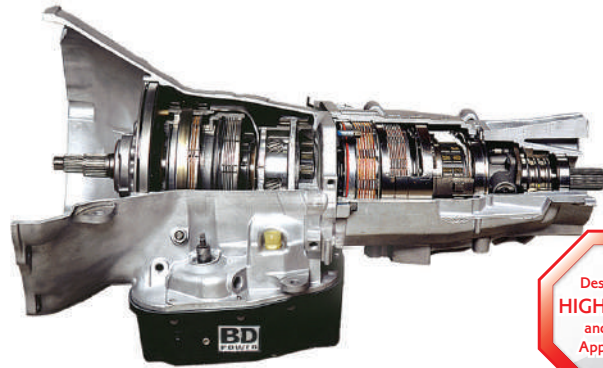
- Increase the durability of your drivetrain
- Revised oil circuits
- Roller bearings throughout
- Extra clutches and stronger internals
- Handles up to 300% more power and torque than the stock transmission
- Comes with BD's heavy duty transmission pan
- Most applications come bundled with Full Flow Transmission Filter kit
- Not warranted for Race or Sled Pull use



Roller Bearings

2wd	4wd		Core
1030310F	1030311F	1991-1993 518	(✓)
1064152F	1064154F	1994-1995 47RH	(✓)
1064162F (A)		1996-1997 47RE 2wd	(✓)
	1064164F	1996-1998 47RE 4wd 12-valve	(✓)
1064172F (A)		1997-1999 47RE 2wd	(✓)
	1064174F	1998-1999 47RE 4wd 24-valve	(✓)
1064182F	1064184F	2000-2002 47RE	(✓)
1064192F	1064194F	2003-2004 48RE	(✓)
1064232F	1064234F	2004.5-2007 5.9L 48RE w/TVV Stepper Motor	(✓)

Notes: (A) 1997 2wd with speed sensor & speedo head use 1064162F; if just a speed sensor then 1064172F.  
CORE (✓) - Refundable core charges apply.



Designed for  
**HIGH POWER**  
and Towing  
Applications!

## ► Dodge Performance Plus Transmissions

Comes with Billet Input

- Performance Transmission but with the added touch of a Billet Input Shaft to take the "snap" from rapid throttle and high horsepower
- Not warranted for Race or Sled Pull use

2wd	4wd		Core
1064152BF	1064154BF	1994-1995 47RH	(✓)
1064162BF (A)		1996-1998 47RE 12-valve	(✓)
	1064164BF	1996-1998 47RE 4wd 12-valve	(✓)
1064172BF (A)		1998-1999 47RE 24-valve	(✓)
	1064174BF	1998-1999 47RE 4wd 24-valve	(✓)
1064182BF	1064184BF	2000-2002 47RE	(✓)
1064192BF	1064194BF	2003-2004 48RE	(✓)
1064232BF	1064234BF	2004.5-2007 5.9L 48RE w/TVV Stepper Motor	(✓)

Notes: (A) 1997 2wd with speed sensor & speedo head use 1064162F; if just a speed sensor then 1064172F.  
CORE (✓) - Refundable core charges apply.

Why not include BD's Flex-Plate with your transmission and torque converter install. Makes for a complete package!



Each transmission is dyno tested and comes with BD's Heavy Duty Deep Sump aluminum transmission pan to add strength to the case preventing flexing and internal oil leakage.



# TRACK MASTER

## ► Dodge Track Master Series

- Competition series built to take extreme horsepower and torque
- "Big" fine spline input shaft
  - 0.125 thicker than the stock size shaft
  - includes a hardened billet hub
- All billet shafts
- Billet steel direct drum
- Billet turbine hub
- Billet accumulator
- Billet front servo
- Billet band anchor
- One piece servo/cover
- Oversized stator support
- Rigid one piece band
- Racer red forward/direct frictions
- Kolene forward/direct steals
- Auxiliary filter kit
- Heavy duty pan



"Big" fine spline input shaft

Competition Series



FULL BILLET

FULL ROLLER BEARING

4wd			Core
1065154	(C)	1994-1995 47RH	(✓)
1065164	(C)	1996-1998 47RE 4wd 12-valve	(✓)
1065174	(C)	1998-1999 47RE 4wd 24-valve	(✓)
1065184	(C)	2000-2002 47RE	(✓)
1065194	(C)	2003-2004 48RE	(✓)
1065234	(C)	2004.5-2007 5.9L 48RE w/TVV Stepper Motor	(✓)

Notes: (C) Big Spine converter required - See page 24  
CORE (✓) - Refundable core charges apply.

Options:

- Full manual valve body
- Phat output 29-spline shaft





**Cam & Roller  
One-Way Clutch**

**Pump  
Improvements**

## ► Dodge 68RFE Performance Transmissions



- New regulator valve design
- New valve body separator plate
- Pressure Control module
  - deliver up to 250 PSI clutch apply pressure
  - 150% of the holding force to prevent clutch drag
  - dynamically adjusts hydraulic apply pressure to match boost/engine load
- Clutch packs and drums have new machined design
- Special machined 2nd gear piston to incorporate clutch fiber and steel plates
- Modified 4th gear apply piston to accept a new housing
- Steel girdle to strengthen the piston and give a better fit
- Heavy duty cam and roller style one-way clutch
- Not warranted for Race or Sled Pull use



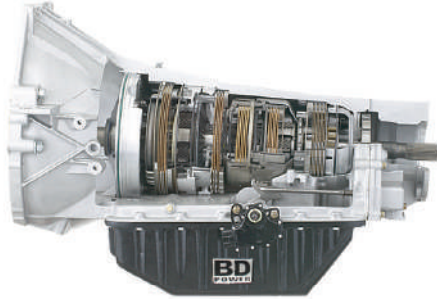
2wd	4wd	68RFE	Core
1064242	1064244	(A) 2007-2010 6.7L 68RFE	(✓)
1064252	1064254	(A) 2011-2015 6.7L 68RFE	(✓)

2wd	4wd	68RFE c/w Billet Input	Core
1064242B	1064244B	(A) 2007-2010 6.7L 68RFE	(✓)
1064252B	1064254B	(A) 2011-2015 6.7L 68RFE	(✓)

Notes:  
 (A) 2010 model years could have either an early or late model 68RFE transmission which the color of the main connector on the driver's side of the transmission can determine what model is in the vehicle. The color of the housing connector that protrudes from the valve body/transmission will either be White for early model or Grey for late model.

## ► Ford Performance Transmissions Designed for everyday Street and Towing Applications!

- Increase the durability of your drivetrain
- Revised oil circuits
- Roller bearings throughout
- Extra clutches and stronger internals
- Handles up to 300% more power and torque than the stock transmission
- Comes with BD's heavy duty transmission pan
- Most applications come bundled with Full Flow Transmission Filter kit
- Not warranted for Race or Sled Pull use

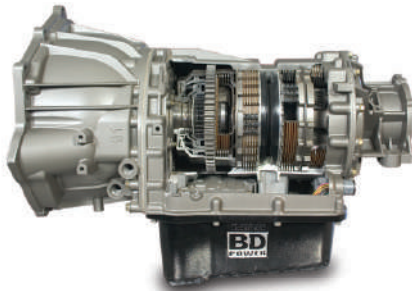


2wd	4wd	Core
1064402F	1064404F (B)	1990-1994 E40D (✓)
1064422F	1064424F (B)	1995-1997 E40D (✓)
1064442F	1064444F (B)	1999-2003 4R100 (✓)
1064462	1064464 (B)	2003-2004 5R110 (✓)
1064482	1064484 (B)	2005-2007 5R110 (✓)
1064492F	1064494F (B)	2008-2010 5R110 (✓)

Notes: (B) Add "PTO" to part number for transmission with PTO provision  
 CORE (✓) - Refundable core charges apply.



Each transmission is dyno tested and comes with BD's Heavy Duty Deep Sump aluminum transmission pan to add strength to the case preventing flexing and internal oil leakage.



## ► Chevy Performance Transmissions Designed for everyday Street and Towing Applications!

- Increase the durability of your drivetrain
- Revised oil circuits
- Roller bearings throughout
- Extra clutches and stronger internals
- Handles up to 300% more power and torque than the stock transmission
- Comes with BD's heavy duty transmission pan
- Not warranted for Race or Sled Pull use

2wd	4wd	Core
1064702	1064704	2001-2004 LB7 (✓)
1064722	1064724	2004.5-2006 LLY (✓)
1064732	1064734	2006-2007 LBZ (✓)
1064742	1064744	2007-2010 LMM (✓)

CORE (✓) - Refundable core charges apply.

Why not include BD's Flex-Plate with your transmission and torque converter install. Makes for a complete package!







## ► **Transmission Build-It Kits**

- Same parts used in our own performance transmissions
- All kits include the basic rebuild parts and gaskets
- From stock HP up to our Stage 4 Master Kit
- BD Heavy Duty Transmission Pan included in some kits

**Check out our website for application listings and complete breakdown of kits**

<b>STAGE 1</b> <i>Stock to Light HP increases</i>	<b>STAGE 2</b> <i>Intermediate HP increases</i>	<b>STAGE 3</b> <i>Heavy Duty</i>	<b>STAGE 4</b> <i>Master Performance Rebuild</i>
--	--	-------------------------------------	---

## ► **Billet Shafts**

- Increase the durability of your transmission
- Rated up to 300M and 300 Maraging
- Designed to take the shock from high horsepower and heavy loads
- Dodge applications listed below — Ford and Chevy applications also available



1600115	1994-2007 Input 300 Maraging	Dodge
1600113	1994-1995 47RE Output 300M	Dodge
1600116	1996-2007 Output 300M	Dodge
1600117	1994-2007 Intermediate 300M	Dodge
1600189	2007.5-2015 68FRE Input 300M	Dodge

## ► **Triple Torque Force Converters**

- Machined pistons
- HD springs absorb shock of engagement
- Stamp forged 1-piece cover
- Eliminates warpage from clutch heat
- Taller cover can be rebuilt more often
- Trapezoid teeth design
- Engineered tighter tolerances
- Self-centering teeth design increases contact decreases wear and chatter
- Thrust bearings - not plastic thrust washers
- Riveting process ensures alignment & eliminates vibration or embrittlement from welding
- Cast stator designs maximize torque
- New sprag components ensure long term durability
- Furnaced brazed fins reduces internal leakage for improved fluid coupling efficiency
- Reduced overall weight by 12lbs compared to competitors



Why not include BD's Flex-Plate with your transmission and torque converter install. Makes for a complete package!

Dodge Triple Torque Force Converters			Core
1071215X	(A) (B)	1994-2002 47RE/RH Enhanced Stall	(✓)
1071215LX	(A) (B)	1994-2002 47RE/RH Low Stall	(✓)
1071215X-HS	(A) (B)	1994-2002 47RE/RH High Stall	(✓)
1071217X	(A) (B)	2003-2007 48RE Enhanced Stall	(✓)
1071217LX	(A) (B)	2003-2007 48RE Low Stall	(✓)
1071217X-HS	(A) (B)	2003-2007 48RE High Stall	(✓)
1071219X	(A) (B)	2007.5-2015 68RFE Enhanced Stall	(✓)
1071219LX	(A) (B)	2007.5-2015 68RFE Low Stall	(✓)

Dodge Big Spline Triple Torque Force Converters			Core
1071218X	(A) (C)	1994-2007 47RE/47RH/48RE Enhanced Stall	(✓)
1071218LX	(A) (C)	1994-2007 47RE/47RH/48RE Low Stall	(✓)
1071218X-HS	(A) (C)	1994-2007 47RE/47RH/48RE High Stall	(✓)

Notes: (A) Enhanced Stall - Street/Towing applications  
 Low Stall - Street with Low Rear End Ratio & Stock Tires  
 High Stall - Race/Drag/Sled applications only  
 (B) Billet Input Shaft required for high torque engines  
 (C) Big Spline input shaft required



"Big" fine spline input shaft

Chevy Torque Force Converters			Core
1071240	(A)	2001-2012 Allison 1000 - Enhanced Stall	(✓)
1071241	(A)	2001-2012 Allison 1000 - Low Stall	(✓)

**EXTRA HIGH STALL STATORS AVAILABLE FOR SLED PULLERS**



## ► Performance & Towing Converters



- Torque multiplying cast aluminum stators
- Lower rpm response than the stock converter
- More efficient operation
- Less heat and better fuel economy.
- Stamp-forged steel front cover
- Furnace-brazed fins
- Up to triple the amount of lock-up clutch material

Dodge Performance Converters		Core
1060210X	1988-1993 727/518	(✓)
1070215X	(A) 1994-2002 47RE/RH Enhanced Stall	(✓)
1070215LX	(A) 1994-2002 47RE/RH Low Stall	(✓)
1070215X-HS	(A) 1994-2002 47RE/RH High Stall	(✓)
1070217X	(A) 2003-2007 48RE Enhanced Stall	(✓)
1070217LX	(A) 2003-2007 48RE Low Stall	(✓)
1070217X-HS	(A) 2003-2007 48RE High Stall	(✓)

Ford Performance Converters		Core
1030220	1983-1989 C6 6.9L/7.3L IDI	(✓)
1030225	1990-1994 E40D 4-Stud	(✓)
1030224	1995-1997 E40D 6-Stud	(✓)
1030223	1999-2003 4R100 7.3L	(✓)
1030227	2003-2007 5R110 6.0L	(✓)
1030229	2008-2010 5R110 6.4L	(✓)

Chevy Performance Converters		Core
1030226	1989-2000 4L80E 6.2L/6.5L	(✓)
1030230	2001-2012 Allison 1000	(✓)

Cummins 5.9L Motor Home Converter		Core
1060200X	Allison A540/A542/A545	(✓)

CORE (✓) - Refundable core charges apply.

Notes: (A) Enhanced Stall - Street/Towing applications  
Low Stall - Street with Low Rear End Ratio & Stock Tires  
High Stall - Race/Drag/Sled applications only

## ► Black Flex-Plate



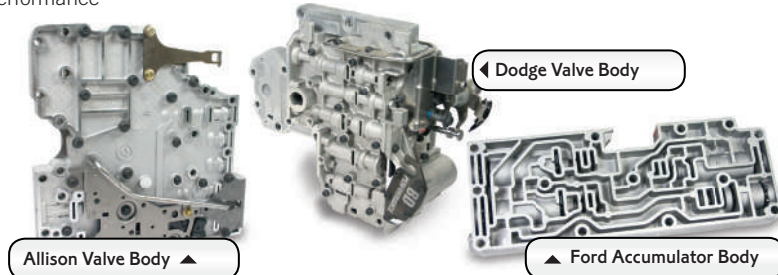
- Meets SFI 29.3 Approval!
- Reliably handle up to 1,500 lb-ft of torque
- Twice the material of the stock flex plate
- Forged billet
- Precision-balanced
- Black Oxide coated to resist corrosion and prevents hydrogen embrittlement
- Allows axial thrust unlike solid flywheel conversions
- Fit any OEM or aftermarket torque converter
- Direct, bolt-in replacement for the stock unit
- Affordable enough to replace with converter or transmission swap
- Great for racing, towing or stock!

1041210	1994-2007 5.9L	Dodge
1041221	2007.5-2015 68RFE	Dodge

1041260	2001-2014 Duramax	Chevy
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## ► Valve Bodies

- Modified, tuned and tested to provide optimum performance
- Revised valve design
- New springs
- Larger oil ports
- Proprietary governor piston dimensions
- Hand-lapped surfaces prevent internal leakage
- New trim valves increase mainline pressure
- Improved shift quality
- Increased clutch holding capacity
- Reduced friction and extended transmission
- First and second gear lock-up ability



**Anti-Shuttle technology with higher pressures  
now built into all Dodge Valve Bodies!**

		Core
1030410	1991-1993 518	Dodge (✓)
1030415	1994-1995 47RH	Dodge (✓)
1030416	1996-1998 12-Valve 47RE	Dodge (✓)
1030417	1998-1999 24-Valve 47RE	Dodge (✓)
1030418	2000-2003 24-Valve 47RE	Dodge (✓)
1030419	2003.5-2004 48RE	Dodge (✓)
1030423	2004.5-2007 48RE	Dodge (✓)

C/w Electronics		Core
1030416E (A)	1996-1998 12-Valve 47RE	Dodge (✓)
1030417E (A)	1998-1999 24-Valve 47RE	Dodge (✓)
1030418E (B)	2000-2003 24-Valve 47RE	Dodge (✓)
1030419E (B)	2003.5-2004 48RE	Dodge (✓)
1030423E (B)	2004.5-2007 48RE	Dodge (✓)

Notes: (A) c/w Governor Pressure Solenoid  
(B) c/w Governor Pressure Solenoid & Transducer

		Core
1030470	2001-2004 LB7 Engine	Chevy (✓)
1030471	2004-2006 LLY Engine	Chevy (✓)
1030472	2006-2007 LBZ Engine	Chevy (✓)
1030473	2007-2008 LMM Engine	Chevy (✓)
1060442	1988-2003 4R100/E40D 2wd	Ford (✓)
1060444	1988-2003 4R100/E40D 4wd	Ford (✓)

CORE (✓) - Refundable core charges apply.

## ► Dodge Full Manual Valve Bodies

- Full Manual control of gear selection
- Lock-up available in all forward gears

		Core
1030415-FM	1994-1995 47RH	Dodge (✓)
1030416-FM	1996-1998 12-Valve 47RE	Dodge (✓)
1030417-FM	1998-1999 24-Valve 47RE	Dodge (✓)
1030418-FM	2000-2003 24-Valve 47RE	Dodge (✓)
1030419-FM	2003.5-2004 48RE	Dodge (✓)
1030423-FM	2004.5-2007 48RE	Dodge (✓)





## ► Dodge Pressure Transducer Upgrade Kit 48RE / 47RE / 46RE / 44RE / 42RE Gas & Diesel

- Replaces the O.E. intermittent malfunctioning plastic transducer with more rugged, reliable and durable metal unit
- Can handle higher transmission line pressures without failure
- Kit includes electronic adapter to prevent over pressure codes
- Built-in temperature sensor for improved reliability

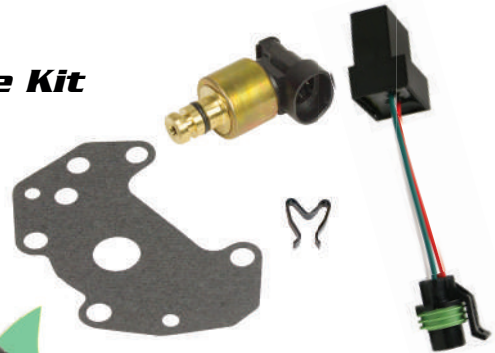
2000-2007 47RE / 48RE / 46RE / 44RE / 42RE Diesel/Gas Transmissions		
1060602	Complete Kit	Dodge
1600365 (A)	Transducer Adapter Only	Dodge

Notes: (A) Electronic adapter only – requires 56041403AA transducer

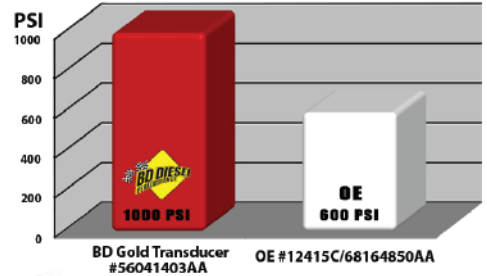
Plastic Transducer



Metal Transducer



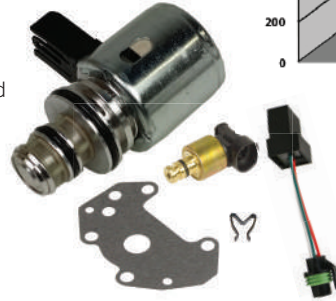
MAXIMUM PRESSURE BEFORE FAILING



## ► Dodge 47RE/48RE Valve Body Electronics Upgrade Kit

- Includes Pressure Transducer Upgrade Kit
- Reliable Heavy Duty Borg Warner governor pressure solenoid
- Prevents wild oscillations
- Prevents debris accumulation
- More flow capacity

1060605	2000-2007 47RE/48RE	Dodge
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## ► ProTech68 Pressure Controller

- Delivers 150% of torque holding force to stock transmissions
- Newly designed valve body separator plate
- Pressure Control module delivers up to 250 PSI clutch apply pressure
- Dynamically adjusts hydraulic apply pressures based on turbo boost/engine load
- Dynamic control ramps up the much larger sweep
- Prevent clutch slippage
- Installation takes 2-to-3 hours
- No full transmission relearn required
- A "fresh" stock transmission will have the ability to handle up to 500hp



1030360	(C)	2007.5-2010 68RFE Early Model w/White Connector	Dodge
1030361	(C)	2010-2014 68RFE Early Model w/White Connector	Dodge

Notes: (C) 2010 model years could have either an early or late model 68RFE transmission which the color of the main connector on the driver's side of the transmission can determine what model is in the vehicle. The color of the housing connector that protrudes from the valve body/transmission will either be White for early model or Grey for late model.

## ► Dodge 68RFE PressureLoc

- Easy to install in-line plug module
- Increases the mainline oil pressure up to 15psi

1030368	2008-2015 68RFE	Dodge
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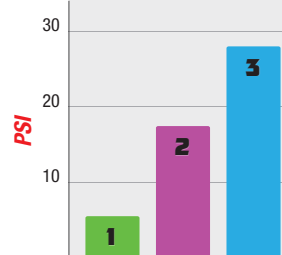


## ► Dodge 48RE Pressure Controller

- Prevents shudder and slippage
- Rotary switch mounted on the dash
- Increases mainline pressure by mimicking higher throttle positions
- Prevents mid-range convertor shutter and clutch/band slippage
- Ramps towards stock pressures as the pedal gets closer to full throttle
- Reduces shift flare and gear hunting
- Easily plugs in-line with factory sealed connectors
- 3 different levels
- Excellent for vehicles with performance modules!

1030348	2005-2007 48RFE	Dodge
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Pressure Gain Over Stock @ 25% Throttle Position







### ► Dodge APPS Noise Isolator

- Quick and easy fix
- Removes the annoying and potentially harmful RF interference
- Eliminates torque converter clutch cycling

1300030 1994-2005 5.9L w/APPS Dodge



### ► Dodge 2005 LockOut

- Allows 4th gear to be disabled for exhaust brake use or pulling up hill

1031350 2005 48RE Dodge



### ► Ford 4R100 Bypass Eliminator Kit

- Allows for the removal of the problematic OEM cooler bypass tube assembly
- Kit includes two aluminum shunts plus sealing washers
- Handy preventative maintenance item when installing transmissions, coolers and filter kits, or, performing general service work.

1600036 (B) 1999-2003 4R100 Ford

Notes: (B) Already included with all BD 4R100 Transmission, Auxiliary Filter, Xtruded Cooler and Built-It rebuild kits.



### ► Dodge & Ford Top Speed Eliminators

- Increases top speed to over 130 mph
- Allows adjustment for larger tires
- Removes torque-limiting function in first gear on 2000.5-2003 Dodge
- Easy under-hood installation

1057650	2000.5-2003	Dodge
1057655	2004-2005	Dodge
1057660	2003-2007 6.0L	Ford



1994-2002

### ► Dodge 2-Low - Low Gearing in 2wd

- Designed to allow the operator to manually disable the front wheel drive mechanism by holding the hubs in the free (2WD) mode with the transfer case in 4WD low range
- By allowing the front wheels to be disengaged, maximum torque is available to the rear wheels
- This will also allow for sharp "All The Way Over" turns without the front axle u-joint hopping or binding
- With this kit installed, the front wheels will NOT be driven through the transfer case
- Allows to have full power and torque while in a high gear reduction applied to the rear axle(s) only

2009-up vehicles:

- Installation is simple, the kit plugs in below the glove box
- No wire cutting or splicing and no wires through the firewall
- Kit comes with an illuminated rocker switch for control and to indicate when the front axle is being overridden

1030703	1994-2002 4wd	Dodge
1030705	2009-2016 1500 4wd	Dodge
	2014-2016 2500 4wd	
	2013-2016 3500 4wd	



2009-2016



reduces shift lever travel by **20%**

### ► Dodge Manual Transmission Short Shift

- Reduces shift lever travel by 20%
- Easy, do-it-yourself installation
- Includes billet aluminum shift plate, forged steel shift handle and high-strength fasteners

1031050	1999-2002 6spd NV5600	Dodge
1031055	2003-2005 6spd NV5600	Dodge
1031056	1998-2003 5spd NV4500 Diesel/Hemi	Dodge





## ► Dodge CR Stock Performance Plus Injector Sets

- Exchange injector sets
- Produces an extra 5hp-15hp
- Great for Street, Towing & Performance
- OE nozzles
- Assembled using OE procedures
- Calibrated on computerized OE equipment
- Flow matched sets

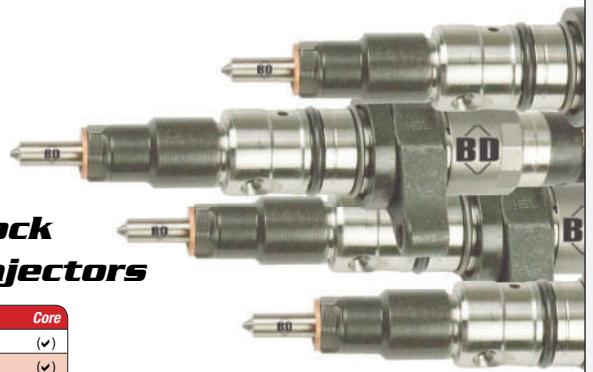
Dodge 5.9L/6.7L CR Injector Sets		Core
1074503	2003-2004 5.9L 250/305hp	(✓)
1074505	2004.5-2007 5.9L 325hp	(✓)
1074518	2007-2011 6.7L	(✓)

CORE(✓) - Refundable core charges apply.

## ► Dodge CR Stock Replacement Injectors

Dodge 5.9L/6.7L Common Rail Stock Injectors		Core
1715503	(A) 2003-2004 5.9L 250/305hp	(✓)
1715505	(A) 2004.5-2007 5.9L 325hp	(✓)
1715518	(A) 2007-2011 6.7L	(✓)

Notes: (A) Sold individually/each - not in sets  
CORE(✓) - Refundable core charges apply.



## ► Dodge CR Performance Injector Sets

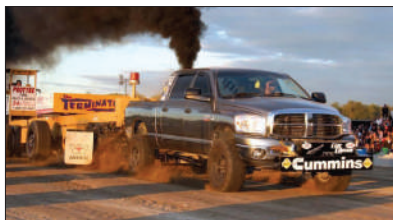
- Exchange high power Common Rail (CR) injectors
- 60hp up to 320hp, 33% to 180% over
- OE quality nozzles are extrude honed
- Increased atomization
- Assembled using OE procedures
- Calibrated on computerized OE equipment resulting in flow matched sets

Injector Set	Nozzle Set	2003-2004 5.9L	Core
1075860	1075880	60 HP 33%	(✓)
1075861	1075881	90 HP 43%	(✓)
1075862	1075882	120 HP 53%	(✓)
1075850	1075851	180 HP 93%	(✓)
1075863	1075883	200 HP 103%	(✓)
1075864	1075884	250 HP 123%	(✓)
1075876		320 HP 180%	(✓)

Injector Set	Nozzle Set	2004.5-2007 5.9L	Core
1075865	1075885	60 HP 33%	(✓)
1075866	1075886	90 HP 43%	(✓)
1075867	1075887	120 HP 53%	(✓)
1075852	1075853	180 HP 93%	(✓)
1075868	1075888	200 HP 103%	(✓)
1075869	1075889	250 HP 123%	(✓)
1075877		320 HP 180%	(✓)

Injector Set	Nozzle Set	2007.5-2012 6.7L	Core
1075870	1075890	60 HP 33%	(✓)
1075871	1075891	90 HP 43%	(✓)
1075872	1075892	120 HP 53%	(✓)
1075854	1075855	180 HP 93%	(✓)
1075873	1075893	200 HP 103%	(✓)
1075874	1075894	250 HP 123%	(✓)
1075875		320 HP 180%	(✓)

CORE(✓) - Refundable core charges apply.



## ► Dodge 12-Valve & 24-Valve Flow Modified Injectors & Nozzles

- Flow-enhanced exchange fuel injectors
- New nozzle design
- EDM machine orifices
- Highest degree of accuracy
- Orifices de-burred by abrasive extrusion process that enhances both fuel flow and atomization

Injector Set	Nozzle Set	1998-2002 ISB 24-valve
1075821	1075831	50 HP
1075822	1075832	75 HP
1075823	1075833	100 HP
1075824	1075834	125 HP
1075825	1075835	150 HP
1075826	1075836	200 HP

Injector Sets	1988-1998 12-Valve	Core
1040175	1991-1993 6BTA 40 HP	(✓)
1040277	1994-1998 45 HP	(✓)
1040278	1994-1998 90 HP	(✓)
1040278	1994-1998 120 HP	(✓)

CORE(✓) - Refundable core charges apply (Injector sets only).



## ► Dodge 24-Valve Stock Replacement Injectors

Injectors 1998-2002 ISB 24-Valve	
1713629	Individual Injector
1075820	Complete Set of 6





## ► Chevy CR Stock Performance Plus Injector Sets

- Exchange injector sets
- Produces an extra 5hp-15hp
- Great for Street, Towing & Performance
- OE nozzles
- Assembled using OE procedures
- Calibrated on computerized OE equipment
- Flow matched sets

Duramax CR Injector Sets		Core	
1074502	2001-2004 LB7	5%	(✓)
1074504	2004.5-2006 LLY	5%	(✓)
1074521	2006-2007 LBZ	5%	(✓)
1074520	2007.5-2010 LMM	5%	(✓)

CORE (✓) - Refundable core charges apply.

## ► Chevy CR Stock Replacement Injectors

Duramax Common Rail Stock Injectors			Core
1715502	(A)	2001-2004 LB7	(✓)
1715504	(A)	2004.5-2006 LLY	(✓)
1715521	(A)	2006-2007 LBZ	(✓)
1715520	(A)	2007.5-2010 LMM	(✓)
1715522	(A)	2011-2015 LML	(✓)

Notes: (A) Sold individually/each - not in sets  
CORE (✓) - Refundable core charges apply.

## ► Chevy CR Performance Injector Sets

- Exchange high power Common Rail (CR) injectors
- 60hp up to 180hp, 33% to 73% over
- OE quality nozzles are extrude honed
- Increases atomization
- Assembled using OE procedures
- Calibrated on computerized OE equipment resulting in flow matched sets

Injector Set	Nozzle Set	2001-2004 LB7	Core
1076600	1076650	60 HP 33%	(✓)
1076601	1076651	90 HP 43%	(✓)
1076603	1076653	160 HP 73%	(✓)

Injector Set	Nozzle Set	2004-2006 LLY	Core
1076605	1076655	60 HP 33%	(✓)
1076606	1076656	90 HP 43%	(✓)
1076608	1076658	160 HP 73%	(✓)

Injector Set	Nozzle Set	2006-2007 LBZ	Core
1076610	1076660	60 HP 33%	(✓)
1076611	1076661	90 HP 43%	(✓)
1076613	1076663	160 HP 73%	(✓)

Injector Set	Nozzle Set	2007.5-2010 LMM	Core
1076615	1076665	60 HP 33%	(✓)
1076616	1076666	90 HP 43%	(✓)
1076618	1076668	180 HP 73%	(✓)

CORE (✓) - Refundable core charges apply.



## ► Common Rail Fuel Plug Kits

- Replace failing pressure relief valves
- Seals in 30,000 psi rail pressure
- Improves engine starting
- Easily replaces the stock relief valve
- A must for high performance engines

1050070 (B)	2003-2007 5.9L	Dodge
1050071 (B)	2007.5-2012 6.7L 2004.5-2010 Duramax	Dodge Chevy

Notes: (B) Removing the fuel pressure relief valve can cause damage to the fuel system.



## ► Common Rail Fuel Pressure Relief Valve Kit

- Allows for the adjustment of common rail fuel pressure relief valves

1040360	2008-2010 6.7L 2004.5-2006 LLY/LBZ	Dodge Chevy
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► **Ford 6.0L 58-volt FICM**  
(Fuel Injection Control Modules)

- Quicker, more affirmative starts in both cold and warm weather
- Critical components' voltage and temperature ranges have been increased
- Maximized current output without setting an overvoltage code
- Field test reports have indicated better throttle response and slight increases in horsepower Pre-programmed and ready to install



Core			
1059700-A	2003-2007 6.0L	Ford	(✓)

CORE(✓) - Refundable core charges apply.

Stock exchange replacement FICM's and IDM's also available



► **Ford 6.0L & 6.4L UpTime Stock Injectors**

- Remanufactured by UpTime Parts/PurePower Technologies - an OE rebuilding company
- Replaced rail connections, thru-rod, nuts and Belleville washers, o-rings, springs and spool valves
- Control Valve body and spool are precision ground to specific diametrical clearance for sealing and directing oil for injector operation
- All spools are replaced 100% and machined to original specification
- Each injector is 100% flow tested and nitrogen tested for leaks
- Flow volume, leakage rate, max needle lift and valve opening pressure (VOP) are also tested
- All sealing surfaces are refinished and maintain less than 2 microns of flatness
- Precision honed intensifier body is matched with new plungers to operate at extreme pressures and temperatures
- Replaced dampening pins and check plates to prevent cavitation
- Quality OEM injector at an aftermarket price



Core			
UP4222-JS (A)	2003-Early 2004 6.0L	Ford	(✓)
UP4221-JS (A)	Late 2004-2007 6.0L	Ford	(✓)

Notes: (A) Early 2004 up to 09/22/03 production date  
CORE(✓) - Refundable core charges apply.

► **Ford 7.3L Stock Injectors**



► **Ford 7.3L/6.0L High Pressure Oil Pumps**



Many more replacement parts available. Consult our price book for listings.

► **Ford Low Pressure LED Alarm Kit**

- Keep tabs on your truck's fuel system
- Red or Amber LED that illuminates if lift pump pressure falls below spec
- Inexpensive protection and easy installation!

Red LED	Amber LED		
1081140	1081143	2003-2007 6.0L	Ford



► **Chevy High Power R900 CP3 Pumps**

- 12mm Stroke Cam Housing Design
- Up to a 72% increase in capacity / displacement
- Delivers enough fuel to support up to 900hp
- Maintains 24,000psi of rail pressure
- Produces up to 5.25 LPM versus the stock 3.05 LPM
- All that fuel without going to a dual pump system
- Enhanced metering unit
- New design cam shaft with modified plungers and stroke
- Eliminates potentially damaging off throttle fuel spikes common with stock pumps
- Long-term durability with consistent on-demand high fuel pressure supply
- Provides efficient atomization resulting in more power, better combustion and lower EGT's
- HPCP3 injection pump is fully tested before leaving our facility



Chevy Duramax 6.6L			Core
1050600	2001-2004 LB7	Chevy	(✓)
1050625	2004.5-2005 LBZ	Chevy	(✓)
1050650	2006-2010 LBZ/LMM	Chevy	(✓)

CORE(✓) - Refundable core charges apply.

► **Chevy Replacement CP3 Pumps**

- We have been rebuilding injection systems since 1972
- Factory trained by the best, we abide by high quality and production standards
- Our Injection team is focused on producing consistent quality utilizing the highest quality parts available
- We utilize world class calibration equipment and pride ourselves with a very low claim rate
- Our specialized computer driven test benches catch 100 percent of all issues before they leave our facility



Chevy Duramax 6.6L			Core
1050110	2001-2004 LB7	Chevy	(✓)
1050111	2004.5-2005 LLY	Chevy	(✓)
1050112	2006-2010 LBZ/LMM	Chevy	(✓)

CORE(✓) - Refundable core charges apply.





**R900**  
SERIES

### ▶ Dodge High Power R900 CP3 Pumps

- 12mm Stroke Cam Housing Design
- Up to a 72% increase in capacity / displacement
- Delivers enough fuel to support up to 750hp
- Maintains 24,000psi of rail pressure
- Produces up to 5.25 LPM versus the stock 3.05 LPM
- All that fuel without going to a dual pump system
- Enhanced metering unit
- New design cam shaft with modified plungers and stroke
- Eliminates potentially damaging off throttle fuel spikes common with stock pumps
- Long-term durability with consistent on-demand high fuel pressure supply
- Provides efficient atomization resulting in more power, better combustion and lower EGT's
- HPCP3 injection pump is fully tested before leaving our facility

Dodge Cummins 5.9L / 6.7L		Core
1050500	2003-2007 5.9L	Dodge (✓)
1050550	2007.5-2012 6.7L	Dodge (✓)

CORE(✓) - Refundable core charges apply.



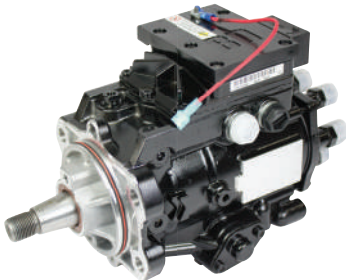
**5600**  
SERIES

### ▶ Dodge Replacement CP3 Pumps

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- Factory trained by the best, we abide by high quality and production standards
- Our Injection team is focused on producing consistent quality utilizing the highest quality parts available
- We utilize world class calibration equipment and pride ourselves with a very low claim rate
- Our specialized computer driven test benches catch 100 percent of all issues before they leave our facility

Dodge Cummins 5.9L / 6.7L		Core
1050105	2003-2007 5.9L	Dodge (✓)
1050106	2007.5-2012 6.7L	Dodge (✓)

CORE(✓) - Refundable core charges apply.



**R700**  
SERIES

### ▶ Dodge High Power R700 VP44 Pump

- Big Power Increases AND Better Fuel Economy!
- Strategic durable mechanical modifications
- Produces higher pressure
- Better atomization
- Instant throttle response
- Up to a 100hp gain
- Can be used in addition to programmers and tuners
- Comes with BD's VP44 Stealth pump cover - no more clipping to and damaging external wires
- Recommended for use with BD Super B Single or Twin Turbo system to provide optimum air-fuel ratios

Dodge Cummins 5.9L 24-Valve		Core
1050127HP	1998-2002 24-valve	Dodge (✓)

CORE(✓) - Refundable core charges apply.

### ▶ Dodge Replacement VP44 Pumps

- Comes with Low Pressure LED Alarm Kit

Dodge Cummins 5.9L 24-Valve		Core
1050037	1998.5-2002 Auto 1998.5-2000 Manual	Dodge (✓)
1050038	2000-2002 Manual HO 245hp	Dodge (✓)

### ▶ Dodge Performance P7100 Pumps

Dodge 12-valve 1994-1998 P7100 Injection Pumps	300hp / 3000rpm	400hp / 3200rpm	Core
1994-1995 Auto Trans	1051854	1052841	(✓)
1994-1995 Manual Trans	1051841	1052841	(✓)
1996-1998 Auto Trans	1051911	1052911	(✓)
1996-1998 Manual Trans	1051913	1052913	(✓)

CORE(✓) - Refundable core charges apply.

### ▶ Dodge Replacement P7100 Pumps

Dodge 12-valve 1994-1998 P7100 Injection Pumps	Stock hp	Core
1994-1995 Auto Trans	1050854	(✓)
1994-1995 Manual Trans	1050841	(✓)
1996-1998 Auto Trans	1050911	(✓)
1996-1998 Manual Trans	1050913	(✓)

CORE(✓) - Refundable core charges apply.

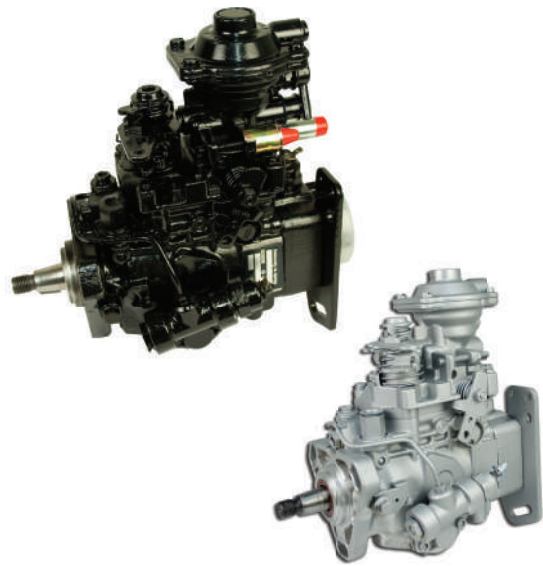




## ▶ Dodge Performance VE Pump

Dodge 12-valve 1990-1993 VE Injection Pumps	230hp	Core
1990-1993 OEM Intercooled	1051205	(✓)

CORE(✓) - Refundable core charges apply.



## ▶ Dodge Replacement VE Pumps

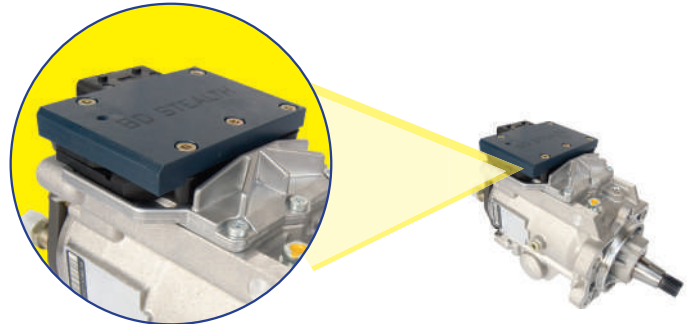
Dodge 12-valve 1988-1993 VE Injection Pumps	Stock hp	Core
1988-1991 Non-OEM Intercooled	1050114	(✓)
1990-1993 OEM Intercooled	1050205	(✓)

CORE(✓) - Refundable core charges apply.

## ▶ VP44 "Stealth" Cover

- Secure, sealed connection instead of notching the pump wire for competition modules
- Clean install
- Easy removal of racing performance boxes
- More reliable connection

1050201	1998.5-2002 ISB	Dodge
---------	-----------------	-------



## ▶ High-Flow Banjo Bolt Upgrade Kits

- Significantly increase flow
- Replaces banjo bolts on OEM lift pump, fuel filter and VP44 pump inlet
- Includes port for monitoring fuel pressure gauge kit or Low Fuel Pressure LED Alarm Kit

1050215	1999	Dodge
1050220	2000-2002	Dodge



## ▶ Dodge Low Pressure LED Alarm Kit

- Keep tabs on your truck's fuel system
- Red or Amber LED that illuminates if lift pump pressure falls below spec
- Inexpensive protection and easy installation!

Red LED	Amber LED		
1081130	1081133	1998.5-2007 5.9L	Dodge



## ▶ VE Fuel Pin & Governor Spring

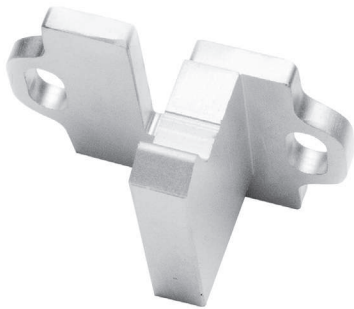
- Increases of 30-40 hp and 90-100 ft. lbs. of torque
- Increases power band by a whopping 30%!
- Made from high quality chromoly steel
- Pins heat treated to the 52 Rockwell hardness scale
- Dual machine process overcomes wear patterns and resulting failure
- 3200 rpm governor spring extends engine rev range by 700 rpm
- New low-profile spacer washer and new throttle shaft O-ring

1040178	1988-1993 VE Fuel Pump	Dodge
---------	------------------------	-------



Check out the 16mm Turbine Housing on Pg. 12





## ► P7100 Fuel Stop Plates

- Commonly known as a “cam plate”
- Controls the rack travel which affects the amount of fuel the P7100 fuel pump delivers
- Six different ramp designs
- Power gains from 30 to 150 hp and 70 to 300 lb.-ft. of torque
- Calibrated boost tube orifice improves turbo performance
- Strong knowledge of P7100 pump required

Stock Ratings	1040195 (#12)	1040194 (#11)	1040197 (#10)	1040193 (#8)	1040192 (#6)	1040196 (#5)
1994-1995 Auto 160 HP 400 lbs-ft CPL#s 1549, 1815, 1959, 1968	165/440	185/500	200/550	210/570	230/605	255/650 *b
1994-1995 Man 175 HP 420 lbs.-ft	190/500	210/550	220/570	230/605	250/635 *c	270/675 *c *d
1996-1998 Auto 180 HP 420 lbs-ft CA *a 180 HP 420 lbs-ft	190/500	210/550	220/570	230/605	250/635 *c	270/675 *c *d
1996-1998 Man 215 HP 440 lb-ft	230/605	280/680	330/750 *d *e	NR	NR	NR

\*a - The California 96-98 Manual, and the automatic are both EGR engines 180 HP and 420 lbs-ft, which may not be to CPL# 1553  
 \*b - Stock 1994-95 Automatics will require modifications to handle torque  
 \*c - Stock 1996-98 Automatics will require modifications to handle torque  
 \*d - Manual Clutch will not handle these ratings  
 \*e - Exhaust temperatures will run hot without airflow improvements  
 NR - Not Recommended



## ► P7100 Shut Down Solenoid

- Replacement P7100 12-volt electric shut down solenoid
- Keep on hand in case you ever run into trouble!

1050250 Shutdown Solenoid Kit 1994-1998 12-valve Dodge



## ► 6.5L PMD Relocation Kit

- Relocates Pump Mounted Driver (PMD) away from potential heat build
- Extruded aluminium base
- Provides better heat sinking
- Easy installation
- Improves access for future diagnostics and/or repair

1036520	(A)	1994-2000 6.5L	Chevy
1036530	(B)	PMD Extension Cable - 40"	Chevy
1036531	(B)	PMD Extension Cable - 72"	Chevy
AP0024	(C)	PMD Extension Cable - 8"	Chevy

Notes: (A) If leaving original PMD on pump and using new PMD with Relocation, then match PMD colors and resistor for easier install  
 (B) Will fit Stanadyne "Black" and D-Tech PMD's only  
 (C) Will fit Stanadyne "Grey" PMD's only



## ► 6.5L Replacement PMD's

- Replacement Pump Mounted Drivers (PMD)
- Grey and Black
- Check our Price List



## ► Exchange Pumps & Injectors Chevy 6.2L/6.5L Ford 6.9L/7.3L

- Check our Price List





## ► Flow-MaX Lift Pump Kits

- Ideal replacement for the OEM pump
- Single pump flows 150 gph to support up to 600HP
- Dual pumps are also available
- Ultra Quiet & Compact
- Vibration Isolators
- Aluminium Brackets
- Stainless Straps
- Versatile Frame Mount
- Optional Fuel Filter and Water Separator

Water Separator

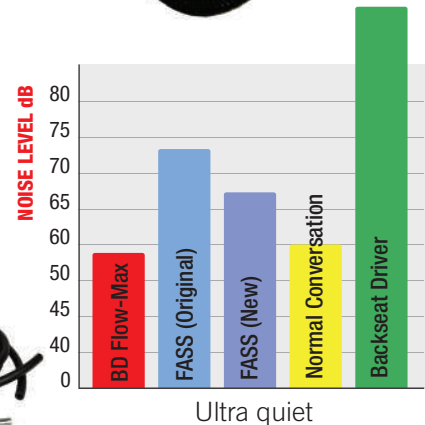
Fine Particle Fuel Filter



Gerotor Design

Pump Kits			
1050301D	(A)	1998.5-2002 24-valve	Dodge
1050305D	(A)	2003-2004.5	Dodge
1050310D		2005-2009 5.9L/6.7L	Dodge
1050311D		2010-2012 6.7L	Dodge
1050315	(B)	2003-2007 6.0L	Ford
1050316	(C)	2008-2010 6.4L	Ford
1050320D		2001-2014	Chevy

Notes: (A) 1998-2004 Dodge trucks that have had an OEM intank pump conversion done require a 1050302 retrofit kit  
 (B) c/w Tank Sump Kit  
 (C) c/w Water Separator Filter & Water-In-Fuel Sensor



## ► Flow-Max Filters

- Filter Modular Design
- Add-on High Efficiency Filter and/or Water Separator
- Easy to find Non-Proprietary Filter Cartridges

Modular Fuel Filter Kits		
1050340-PFF	Fine Particle Fuel Filter	All
1050340-WSP	Water Separator Filter	All



## ► Fuel Heater Kit

- Prevent cold weather gelling of your fuel system with BD's PTC heating element
- This unit installs quickly with sealed electrical connectors, by simply sandwiching between the water separator pre-filter and filter head
- The self-regulating 320 watt heater has over 3x the amount of heating power of other single systems, at a lower price
- Designed for the BD Flowmax, FASS, and AirDog fuel systems

1050346	BD Flow-MaX w/WSP
1050347	AirDog 1
1050346	FASS



## ► Ford 6.0L Fuel Pressure Regulator "Blue" Spring

- Easy replacement
- Increases fuel pressure
- Longer injector life

1500388	2003-2007 6.0L	Ford
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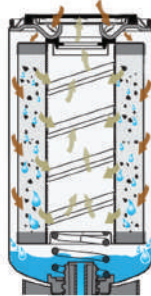
## ► **Ford Water In Fuel Sensor Kit**



- The Ford 6.4L Power Stroke water in fuel (WIF) alert system has a 10 minute delay putting your truck and wallet at risk of damage.
- In this 10 minute response time, your engine may consume up to 3 Gallons (12 Liters) of water contaminated fuel. This can lead to High Pressure Fuel Pump (HPFP) failure and/or Piezo Injector failure. HPFP failure is known to damage the pump drive gears beyond repair, requiring whole motor replacement.
- Get instant notification that there is water in your fuel system with BD's Water In Fuel Sensor kit for the Ford 6.4.
- Easily connects to the OEM sensor on the Horizontal Fuel Conditioning Module (HFCM) with a plug in connector. Installation is easily done within an hour.
- Kit includes: red LED, wiring harness, fuse tapper and control module

1050356 2008-2010 6.4L Ford

## ► **Water In Fuel Sensor Kit**



- Use with Flow-MaX Pump & Water Separator
- Prevents fuel system damage
- Factory sealed plug connections
- Loomed wire harness included

1050350 (A)	2000-2007 5.9L	Dodge
1050351 (A)	2007.5-2012 6.7L	Dodge
1050355	Universal Kit	All

Notes: (A) Connects to OEM Dodge Water In Fuel light

## ► **Flow-MaX Top Side Draw Kit**



- Chevy & Dodge 1/2" top side draw kit
- 5/8" corrugated pickup tube
- Highest flow capacity
- Constant & complete fuel supply
- Stock return tube utilized
- Kit includes hole saw

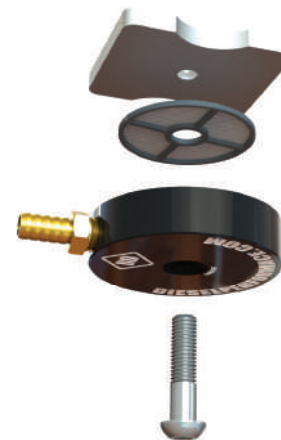
1050345 High Flow Top Draw Kit All



## ► **Flow-MaX Tank Sump Kit**

- Requires NO tank removal
- Simply drill one 3" hole
- Self-centering drain clamps & seals
- Includes filter screen, 1/2" outlet
- Quickest Install
- Kit includes hole saw

1050330 Tank Sump Pump Kit All



## ► **Flow-MaX Monster Line Kit**

- 1/2" fuel line from lift pump to CP3 injection pump

1050331 Monster Line Kit All





## ► Dodge OEM Bypass & Replacement Lift Pump Kits

- Replacement and frame mounted bypass fuel lift pumps
- Lower cost alternative

1050224	1998.5-2002 12-valve	Replacement	Dodge
1050229	1998.5-2002 24-valve	Bypass	Dodge
1050227	2003-2004	Bypass	Dodge
1050231	2003-2004.5	Replacement	Dodge



## ► Duramax Remote Fuel Filter Kit

- Additional media surface that holds the dirt
- Flows enough fuel to support 600 horsepower
- Stopping particles down to two microns nominal, five microns absolute
- Frame rail mounted

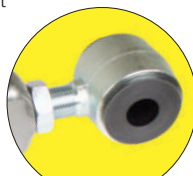
1050060	2001-2012 Duramax	Chevy
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## ► Dodge Control Arms

- Stock control arms are known for bending and bushing deterioration
- Forged end links and are built Super Tuff to resist bending
- Over three times stronger than stock arms!
- Powder coated bodies
- Zinc plated threads
- Bottom arms are fully adjustable on the truck for correcting caster
- Top arms only require the removal of one bolt to allow adjustment
- Extended life smooth and stiff Ultra Polyurethane bushings
- Bushings are replaceable
- Kits offer top and bottom arms or just bottoms

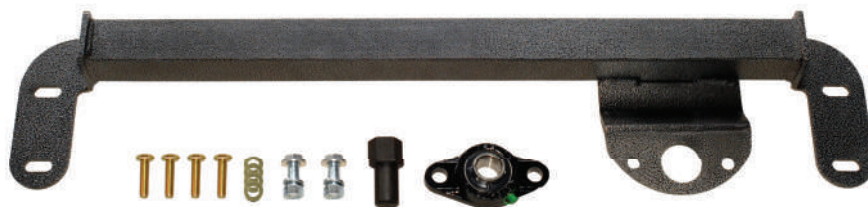
Kit	Lower Arms Only		
1032030	1032030-L	1994-1999 4wd 2500/3500	Dodge
1032031	1032031-L	2000-2009 4wd 2500/3500	Dodge
1032032	1032032-L	2010-2013 4wd 2500/3500	Dodge



ADJUSTABLE ON THE TRUCK

**GAS & DIESEL**

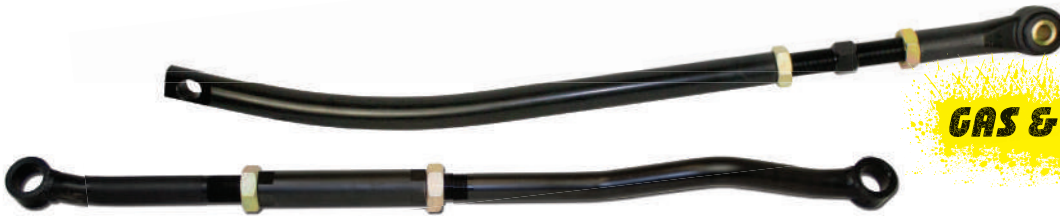
The **WOBBLE** Stopper



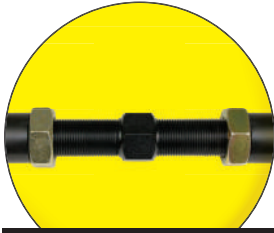
## ► Dodge Steering Box Stabilizers

- Eliminates steering wander and wobble caused by excessive shaft play in the steering box
- Designed for easy, bolt-in installation in about an hour
- Virtually eliminates frame flex at the steering box mounting point
- More positive steering feel
- Silver vein powder coated for corrosion resistance
- Greasable, high-quality bearing for reliable operation
- High-strength mounting hardware

1032002	1994-2002 2wd	Dodge
1032004	1994-2002 4wd	Dodge
1032005	2003-2008 4wd 4-Bolt Flange	Dodge
1032007	2003-2008 4wd 6-Bolt Flange	Dodge
1032009	2003-2008 4wd Borgeson Steering Box (Small Nut)	Dodge
1032006	2009-2012 4wd	Dodge
1032008	2013-2015 4wd	Dodge



**GAS & DIESEL**



**ADJUSTABLE**

► **Dodge & Ford Adjustable Track Bars**

- Fully Adjustable
- Allow for correct axle alignment on lifted trucks up to 6-inches on Ford and 4-inches on Dodges
- No need to remove bar from the truck to adjust
- Made from high strength, heat treated forged components
- Exclusive Black Chromate coating that lasts twice as long a yellow Chromate
- Drive straighter with less wander and more positive steering feel
- Long lasting, easily serviceable polyurethane bushings
- Perfect solution for steering stability

Dodge Adjustable Track Bars		
1032011-F	1994-2002 4wd c/w Bracket	Dodge
1032013-F	2003-2012 4wd	Dodge

Ford Adjustable Track Bars		
1032110	2005-2015 Super Duty F250/F350/F450/F550 4wd	Ford
	2005-2013 F450/F550 2wd	

**GAS & DIESEL**



**ADJUSTABLE**



► **Ford Cam Caster Adjustor Kit**

- Suspension lifts, level lifts or even larger tires can cause negative castor resulting in potential wandering, wobble, pulling, stiff steering or even the inability to keep your truck on the road
- Kid makes correcting the caster to a more positive angle easier
- Help prevent a number of potential steering problems
- Reduces tire cupping and helps steering wheel return to center!

1032100	2005-2010 Super Duty	Ford
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► **Dodge Sway Bar End Link Kit**

- Could virtually be the last time they have be replaced!
- Stock sway bar end links are prone to wearing or pounding out
- Stock units can even break when lifted on 2-post vehicle lifts
- Dual Pivot Design
- Greater amount of articulation and less stress
- Long life Urethane bushing design
- Greater flex without breaking
- Will not pound out or seize due to the elements
- All components are designed to be easily serviceable
- Wearing items are low cost to replace
- Can quickly be installed in approximately 1-hour



**GAS & DIESEL**

1032050 (A)	2000-2009 4wd	Dodge
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Notes: (A) Trucks lifted more than 3-inches will require sway bar offset spacer which is typically included in most lift kits

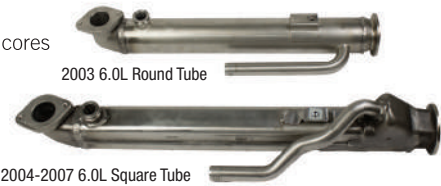


## ► **Ford 6.0L Replacement EGR Coolers**

- Replacement Heavy Duty EGR Coolers for 2003-2007 6.0L Ford Power Stroke Diesels
- TIG welded 304L stainless 0.375in.O.D. x 0.048in. walled tubes replace the OEM inner cores
- Prevents premature failure due to weak brazed joints
- Water deflectors added to increase turbulence to flow to aid in heat dissipation
- Pressure tested
- Includes O-ring and threaded insert
- 5-year limited warranty.

Core				
1090201	(A)	2003-2004 6.0L Round Tube	Ford	(✓)
1090202	(B)	2004-2007 6.0L Square Tube	Ford	
1900204		2004-2007 Gasket Set Square Tube	Ford	

Notes: (A) Up to production date 09/22/2003  
 (B) After production date 09/22/2003  
 CORE (✓) - Refundable core charges apply.



2003 6.0L Round Tube

2004-2007 6.0L Square Tube

STOCK DESIGN



BD's DESIGN

## ► **Dodge Killer Dowel Pin (KDP) Kits**

- The OEM dowel pin located behind the timing cover can work its way loose and drop down into the timing gears causing extensive damage
- This kit gives everything needed to replace the pin with a more permanent solution before it leaves your truck down

1040182	1994-1998 12-valve	Dodge
1040183	1998-2002 24-valve	Dodge



## ► **Ford 6.0L Coolant Filter**

- Prevent oil cooler blockage causing engine damage
- Easily installed mounts in-line with the engine coolant hoses
- Comes with filter head, spin-on filter, mounting bracket, hoses, clamps, fittings, mounting hardware
- Bypass valve for easy change of filter

1032121	2003-2007 6.0L	Ford
P554685	Replacement Filter	Ford



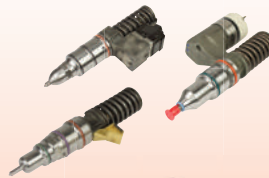
## ► **Ford Crank Case Vent (CCV) Filter Kits**

- Reduces crankcase oil vapor that contaminates the intake system
- Prevents deterioration of silicone boots causing them to balloon and blow off
- Installation takes just two hours

1032170	1999-2003 7.3L	Ford
1032175	2003-2007 6.0L	Ford
1302171	1999-2007 Replacement Filter Element	Ford



CHECK OUT OUR  
 HEAVY DUTY  
 CATALOG FOR HD  
 PRODUCTS



# EPAS



## ► EPAS - Electronic Emergency Engine Shutdown

- Over speed shut down control utilizing built in Intake Air control valve
- Safely shuts your engine down if over speeding
- Can be installed in less than 1.5 hours
- Factory plug in connections and wiring harness
- Save 3 hours installation labor over mechanical system
- Does not set ECM Trouble codes
- Automatically resets after shut down
- Only the switch needs a tool to install
- Easily removed for truck lease returns

1036750	2007-2009 6.7L Pick-up 2007-2010 6.7L Cab & Chassis	Dodge
1036751	2010-2016 6.7L Pick-up 2011-2016 6.7L Cab & Chassis	Dodge
1036752	2014-2016 3.0L EcoDiesel	Dodge
1036754	2008-2010 6.4L	Ford
1036755	2011-2016 6.7L	Ford
1036758	2008-2010 Duramax LMM Pick-up 2008-2015 Duramax Van 2011-2012 Duramax Cab & Chassis	Chevy
1036759	2011-2015 Duramax LML Pick-Up 2013-2015 Duramax LML Cab & Chassis	Chevy
1036752	2014-2015 3.0L Grand Cherokee	Jeep



## ► PAS - Mechanical Emergency Engine Shutdown

- The most effective method to emergency shutdown engine is to cut the air supply
- Butterfly valve placed in-line in the air intake system
- Heavy duty electrical solenoid trips a locked safety cam causing the engine to shutdown within seconds
- Automatic engine overspeed electronics or Manual engine shutdown module
- Unique locking lever holds valve
- Unique bead lock keeps boots in place, no welding required!
- Reduced overall size as compared to competitive units
- Aluminum and stainless components plus weatherproof electrical connectors to prevent corrosion
- CAC pipes included for some vehicles

w/Electronics	Manual	Application	
1036734	1036734-M (A)	Generic 2.0"	All
1036731	1036731-M (A)	Generic 2.5"	All
1036730	1036730-M (A)	Generic 3.0"	All
1036732	1036732-M (A)	Generic 3.5"	All
1036733	1036733-M	Generic 4.0"	All

24-volt Adapter Kit			
1036740 (A)		24-volt Kit for Manual kits	All

Note: (A) 24-volt Adapter Kit available for Manual controlled Generic kits only

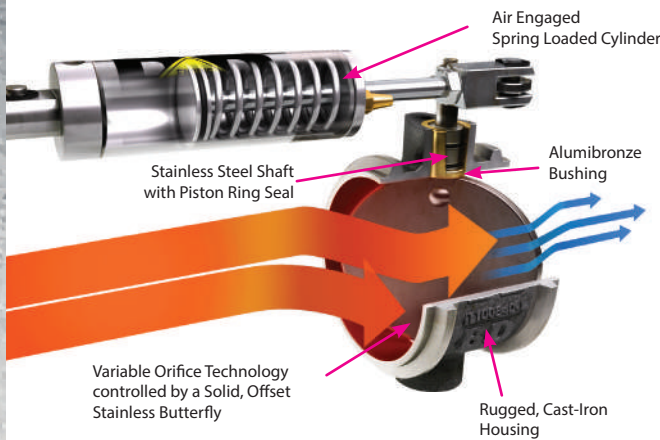
w/Electronics	Manual	Application	
1036710	1036710-M	2001-2004 LB7 Duramax	Chevy
1036712	1036712-M	2004.5-2010 LLY/LBZ/LMM	Chevy
1036713	1036713-M	2011-2016 LML	Chevy

w/Electronics	Manual	Application	
1036719	1036719-M	1998.5-2002 5.9L 24-valve	Dodge
1036720	1036720-M	2003-2007 5.9L	Dodge
1036723	1036723-M	2007.5-2009 6.7L	Dodge
1036722	1036722-M	2010-2012 6.7L	Dodge
1036724	1036724-M	2013-2014 6.7L	Dodge

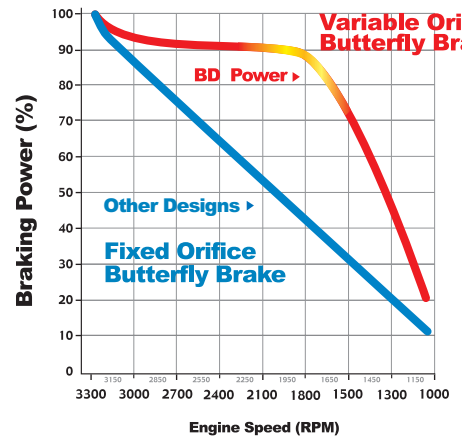
w/Electronics	Manual	Application	
1036700	1036700-M	1999-2003 7.3L	Ford
1036701	1036701-M	2003-2007 6.0L	Ford
1036702	1036702-M	2008-2010 6.4L	Ford
1036703	1036703-M	2011-2014 6.7L	Ford



## ► "Butterfly Valve" Exhaust Brakes



**Strongest on the Market!**



- BD's exclusive Variable Orifice Technology
- BD's solid, offset butterfly
- Spring loaded cylinder
- Pressure regulation
- Provides up to 150 retarding horsepower throughout the engine's RPM range
- Rugged, cast-iron housings
- BD's exclusive alumibronze bushing

- Piston ring-seals
- Stainless steel butterfly shaft
- Proven to stand-up under the harsh, high heat conditions of the exhaust environment
- All mounting hardware are made of corrosion resistant stainless steel
- An air compressor is included in most kits for newer pick-up trucks



Dodge	
1027343	2013-2016 6.7L Non-VGT Remote Air
1027342 (H)	2007.5-2012 6.7L Non-VGT Remote Air
2023330	2006-2007 5.9L Turbo Mount Air
1027330	2006-2007 Remote Mount Air 4" Exhaust
2023331 (A)	2004.5-2005 Turbo Mount Air
2023138 (A)	2003-2004 Turbo Mount Air
1027338 (A)	2003-2005 Remote Mount Air 4" Exhaust
2033137 (A)	1999-2002 Turbo Mount Vac
2033135 (A) (B)	1988-1998 Turbo Mount Vac 60# Springs (See Note)
1037135 (A) (B)	1989-1998 Remote Vac 4" Exhaust w/out APPS
1037136 (A) (B)	1994-2002 Remote Vac 4" Exhaust with APPS

Ford	
1027145	2003-2007 6.0L Remote Mount Air Manual Trans
1027145AP	2003-2007 6.0L Remote Mount Air Automatic Trans
1027146	2003-2007 6.0L PowerStroke 4" Exhaust Manual Trans
1027146AP	2003-2007 6.0L PowerStroke 4" Exhaust Auto Trans
2023144 (A)	1999-2003 7.3L Turbo Mount Air
2033143 (A)	1994-1997 7.3L Turbo Mount Vac
1037143 (A)	1994-1997 7.3L Van/HD Truck Remote Vac
1027144 (A)	1999-2003 7.3L 4" Remote Air

Chevy	
1024310 (C) (D) (G)	2001-2010 w/Stock Exhaust
1024311 (C) (D) (G)	2001-2010 w/4" Exhaust
1037115 (A)	1994-2000 6.5L 3" Exhaust



- 1027342 / 1027343 exhaust brakes are used when performance turbos are installed on Dodge 6.7L trucks as the OEM brake is also removed



## ► Motorhomes & HD Trucks

Cat	
1027155 (F)	3116 Remote Mount Air 4" Exhaust
1027350	3126 Remote Mount Air Ford FL80

Navistar	
1027160	DTA466 Remote Mount Air 3.5" Exhaust
1027161	DT466 Remote Mount Air 4" Exhaust
1027168	VT365 6.0L PowerStroke Remote Mount Air

Cummins Motor Homes	
2023123 (B)	5.9L Turbo Mount Air
1023121 (B)	5.9L Remote Mount Air 3" Exhaust
1027126 (B)	5.9L Remote Mount Air 3.5" Exhaust
1027124 (E)	8.3L Remote Mount Air 4" Exhaust

Cummins Mid-Line Trucks	
1023126 (B)	5.9L Remote Mount Air 3" Exhaust
1027128 (E)	8.3L Remote Mount Air 4" Exhaust
2023126 (B)	5.9L Turbo Mount Air
1027158 (B)	5.9L Remote Mount Air 3" Exh Ford F650/F750
1027320	8.3L ISC Ford FL80

Notes:

- (A) Automatic Transmissions – For best retarding results use an AutoLoc or TorqLoc on page 35
- (B) 1989-1998 12-valve engines require 1030060 exhaust valve spring kit 1989-1993 Dodge turbo mount brakes require 1040050 down pipe kit 1996-1998 "California" spec engines with EGR require 1030030 Kit
- (C) Single alternator applications only.
- (D) Requires HP Tuner or EFI Live for 2007.5-2010

- (E) Installation of 65psi exhaust valve springs required
- (F) Call to verify application
- (G) Typical factory exhaust size of 3.5" on 2001-2007 L87/LLY/LBZ and 4.0" on 2007.5-2010 LMM. Confirm pipe size before ordering.
- (H) 2007.5-2008 trucks without factory Exhaust Brake dash switch order kit 1027340 instead of 1027342

## ► Manual Shift Lever Switch Kits

- Optional power switch for the Exhaust Brake that mounts on the manual transmission shift lever



1030900	Rocker Switch - 5/8" Lever
1030910	Rocker Switch - 3/4" Lever
1300210	Push/Pull Switch - 5/8" Lever
1300240	Push/Pull Switch - 3/4" Lever

Application Chart		
	1030900 & 1300210	1030910 & 1300240
Dodge	1989-1993 / 1999-2007	1994-1998
Ford	1989-1993 / 1999-2007	1994-1998
Chevy	1983-1993	1994-2007

Wide variety of applications fit 1984-2010 Diesel powered vehicles



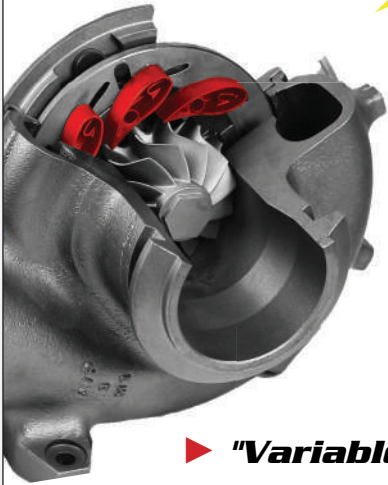
Includes adjustable regulation for peak retarding pressure.

There's a reason why the BD Brake is the most widely-recognized diesel exhaust brake in the industry: **It's the best!** Compare it to the competition, and you'll see why.





**EX BRAKE**



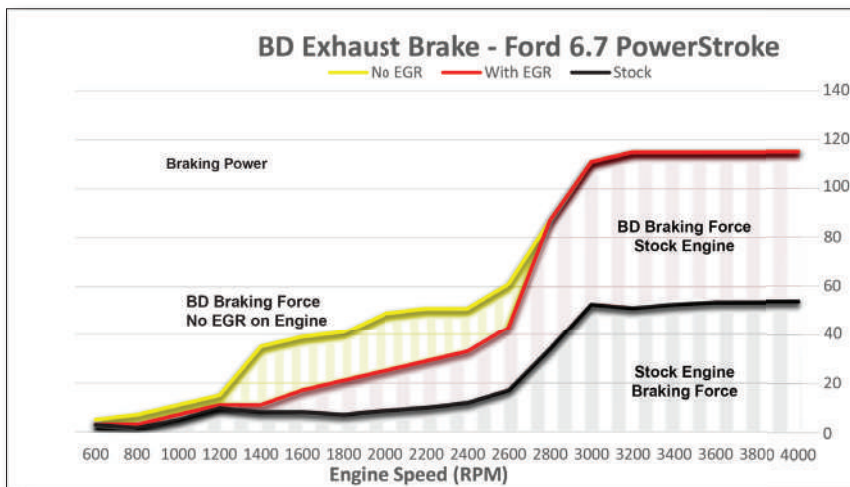
► **"Variable Vane" Exhaust Brakes**

- Electronically closes off turbocharger vanes to provide engine braking
- Can create up to 130 retarding horsepower
- Helps maintain speeds on descents and curves
- Better control of your truck and load.
- Different modes including automatic downshifting keeping engine rpm and engine retarding force high
- Integrated with the cruise control on most models to automatically accelerate and decelerate to maintain vehicle speed
- Engine Warm Up feature on Chevy LMM
- Easily installs by plugging into existing factory ports
- Switch mounted on dash
- New In-dash 'Push To Engage' Button on most models!

Ford PowerStroke			
1031369 (A)	2003-2007 6.0L F250/F350	Ford	
2001100	2008-2010 6.4L F250/F350	Ford	
2001102	2011-2014 6.7L F250/F350	Ford	

Chevy Duramax		
2001020	2006-2007 LBZ	Chevy
2001030	2007.5-2010 LMM	Chevy

Notes: (A) Combination Exhaust Brake & Tap Shifter







► **Ford 6.0L/6.4L TapShifter**

- Access all 5 gears with a tap of your finger
- Control lock-up clutch for pulling or dyno testing
- Overdrive control for in town or towing
- New Ford OE 6.7L style shift lever
- Works great with stock applications
- Mini gear selection display (Late Model has Dimmable display)
- 6.0L model includes High Pressure Variable Vane Exhaust brake



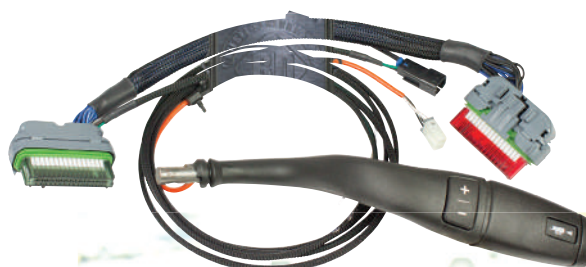
1031369 (A)	2003-2007 6.0L F250/F350	Ford
1031370 (B)	2008-2010 6.4L F250/F350	Ford

Notes: (A) Combination Exhaust Brake & Tap Shifter  
(B) Lock-up control only for 4th and 5th gear



► **Duramax TapShifter**

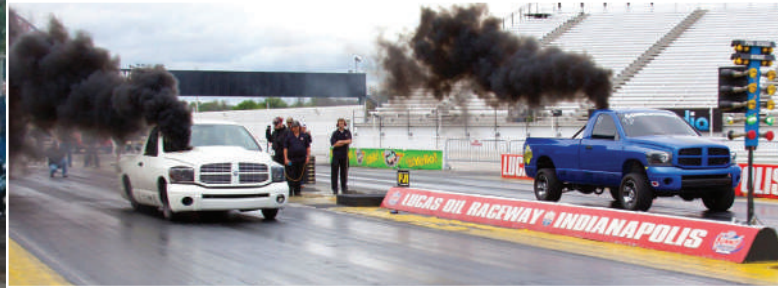
- Add fingertip control for easy Tap Shifting when passing, pulling, hill climbing or whenever you need to switch gears quickly
- Works great with engine retarders like BD's Exhaust Brake
- Includes new gear shift lever that is ergonomically bent to protect your knee
- Wire harness with factory plug-in connections
- 2001-2002 kit includes an amber LED light for OD disable indication



1031360	2001-2002 Allison 1000	Chevy
1031361	2003-2005 Allison 1000	Chevy







### ► **Staging Limiter**

- Consistent 1/4 mile times are now much easier
- Preset your best Turbo Boost or engine RPM launching parameter
- Keep holding your accelerator pedal on the floor then release your brake pedal for consistent launches
- Eliminate over or under boost launches
- Great for all racers especially bracket racers
- Kit comes with factory and universal connections with dash mounted controls
- It's an easy install!

1057720 (A)	1998.5-2004 5.9L	Dodge
1057721	2005-2006 5.9L	Dodge
1057722	2007-2016 5.9L / 6.7L	Dodge
1057722	2011-2015 6.7L Power Stroke	Ford
1057725	2001-2005 6.6L Duramax	Chevy
1057726	2006-2007 6.6L Duramax	Chevy
1057727	2008-2015 6.6L Duramax	Chevy

Notes: (A) 2003-2004 w/Bell Crank mounted APPS

**DESIGNED FOR  
EXHAUST  
BRAKE  
APPLICATIONS**



### ► **AutoLoc/TorqLoc Exhaust Brake Lock-up Controls**

- Maintains lock-up when the exhaust brake is activated
- Ensuring 100% of the retarding force is being transferred in 3rd and 4th gears
- Prevents slippage and subsequent high oil temperatures
- TorqLoc with its three position switch allows for manual command of the lock-up as well as AutoLoc and stock operations

AutoLoc & TorqLoc		
1030390	AutoLoc Dodge 5.9L, Ford 7.3L & Chevy 6.5L	
1031300 (A)	Auto/PressureLoc Ford 6.0L 2003-2007	
1030395	TorqLoc Dodge 5.9L, Ford 7.3L, Chevy 6.5T	
1030398	Torq/UnLoc Dodge 5.9L, Chevy 6.5T	

Notes: (A) Included in 1027145AP & 1027146AP Exhaust Brake Kits



Dodge 5.9L / 6.7L		
1036620 (A)	1998.5-2004 900/1200/1500/1800/2100 RPM	Dodge
1036621	2005-2006 900/1200/1500/1800/2100 RPM	Dodge
1036622	2007-2016 900/1200/1500/1800/2100 RPM	Dodge

Dodge 3.0L ECO Diesel		
1036622	2014-2016 900/1200/1500/1800/2100 RPM	Dodge

Chevy 6.6L Duramax 2008-2014		
1036627	2008-2015 900/1200/1500/1800/2100 RPM	Chevy

Notes: (A) 2003-2004 w/Bell Crank mounted APPS

### ► **High Idle Kits**

- Easy to install
- Faster engine warm-ups
- Adjustable
- Great to use for remote starters, PTO's and extended idling applications



Ford 6.0L / 6.4L / 6.7L 2005-2015			
1036610	2005-2010	1200-2400 RPM	Ford
	2011-2016	900-3000 RPM	

Ford 6.0L 2003-2004			
1036609	2003-2004 Auto Trans	1200 RPM	Ford



Chevy 6.6L Duramax 2001-2007			
1036600	2001-2004 LB7	800/1200/1800 RPM	Chevy
1036605	2004-2005 LLY	800/1200/1800 RPM	Chevy
1036606	2006-2007 LBZ	800/1250/1700 RPM	Chevy







## RELEASE THE POWER WITHIN

- Instant throttle response
- Diesel or Gas engines
- Quicker turbocharger spooling
- Easy to install with factory connections
- Adjustable sensitivity levels
- Reduce Pedal Lag
- Boost throttle signals by 50% or 100%
- Pick-ups, SUV, Jeep, Car and Van listings on these pages - current up to date listings always available on our website!
- **No emission tampering**

### ► **Optional Push Button Switch Kit**

- Push button control
- 6-modes
- Stock, Low-50%, Medium-75%, High-100%, Valet, and **400% "Ludicrous"**



#### TSB Optional Switch Kit

1057705 (A) Optional Push Button Switch Kit All

Notes: (A) Not available for 1st generation modules with kit part number starting with "105771", or, 2nd generation kit numbers 1057730, 1057734 or 1057735



### ► **PICK-UP TRUCKS**

CHEVY/GMC			
MODEL	YEARS	ENGINE	PART NO
2500/3500	2001-2005	6.6L Diesel	1057735 (B)
1500/2500/3500	2001-2004	All V8 Gas	1057735 (B)
2500/3500	2006-2007	6.6L Diesel	1057736
1500/2500/3500	2007-2016	All	1057737

FORD			
MODEL	YEARS	ENGINE	PART NO
F250/F350	2005-2010	6.0L / 6.4L Diesel	1057734 (B)
F150/F250/F350	2005-2008	Gas Engines	1057734 (B)
F150/F250/F350	2009-2010	Gas Engines	1057732
F150/F250/F350	2011-2016	All	1057732

DODGE			
MODEL	YEARS	ENGINE	PART NO
Ram	1998.5-2002	5.9L Diesel Manual Trans	1057730 (B)
Ram	2005-2006	5.9L Diesel / 5.7L HEMI	1057731
Ram 1500/2500/3500	2007	3.6L / 5.7L / 5.9L / 6.7L	1057732
Ram 1500/2500/3500	2008-2016	All	1057732
Dakota	2007-2012	All	1057732



### ► **JEEP**

JEEP			
MODEL	YEARS	ENGINE	PART NO
Commander	2007	3.7L / 5.7L	1057732
Commander	2008-2010	All	1057732
Grand Cherokee	2005-2006	5.7L / 6.1L	1057731
Grand Cherokee	2007-2014	All	1057732
Liberty	2005-2006	2.8L Diesel	1057731
Liberty	2007-2012	All	1057732
Wrangler	2007-2016	All	1057732

Notes: (B) Optional Dash Switch not available for this application

**VALET**  
**STOCK**  
**LOW**  
**MEDIUM**  
**HIGH**  
**LUDICROUS**

**-50%**

**+50%**

**+75%**

**+100%**

**+400%**

**PUSH FOR  
 POWER**



► **SUV**

CHEVY/GMC/CADILLAC			
MODEL	YEARS	ENGINE	PART NO
Avalanche	2007-2013	All	1057737
Escalade	2007-2016	All	1057737
Suburban	2007-2016	All	1057737
Tahoe	2007-2016	All	1057737
Yukon	2007-2016	All	1057737

DODGE/CHRYSLER			
MODEL	YEARS	ENGINE	PART NO
Aspen	2007	5.7L	1057732
Aspen	2008-2009	All	1057732
Durango	2005-2006	5.7L	1057731
Durango	2007	3.7L / 5.7L	1057732
Durango	2008-2009	All	1057732
Nitro	2007-2011	All	1057732

FORD/LINCOLN			
MODEL	YEARS	ENGINE	PART NO
Edge	2007-2010	All	1057734 (B)
Edge	2011-2015	All	1057732
Escape	2009-2016	All	1057732
Expedition	2005-2008	All	1057734 (B)
Expedition	2009-2016	All	1057732
Explorer	2005-2010	All	1057734 (B)
Explorer	2011-2016	All	1057732
Flex	2009-2012	All	1057734 (B)
Flex	2013-2015	All	1057732
Freestyle	2005-2007	All	1057734 (B)
Navigator	2005-2008	All	1057734 (B)
Navigator	2009-2016	All	1057732
Sport-Track	2007-2010	All	1057734 (B)



► **CAR/VAN**

DODGE/CHRYSLER			
MODEL	YEARS	ENGINE	PART NO
Caravan	2008-2016	All	1057732
Challenger	2010-2014	All	1057732
Charger	2005-2006	All	1057731
Charger	2007-2014	All	1057732
Chrysler 300	2005-2006	All	1057731
Chrysler 300	2007-2014	All	1057732
Magnum	2005-2006	All	1057731
Magnum	2007-2008	All	1057732
Pacifica	2007-2008	All	1057732
Town & Country	2008-2016	All	1057732
Viper	2008-2016	All	1057732

FORD			
MODEL	YEARS	ENGINE	PART NO
Crown Victoria	2005-2011	All	1057734 (B)
Five Hundred	2005-2007	All	1057734 (B)
Focus	2008-2015	All	1057732
Fusion	2010-2012	All	1057734 (B)
Fusion	2013-2016	All	1057732
Mustang	2005-2010	All	1057734 (B)
Mustang	2011-2016	All	1057732
Taurus	2008-2012	All	1057734 (B)
Taurus	2013-2015	All	1057732
Thunderbird	2003-2005	All	1057734 (B)
Transit	2014-2016	All	1057732

Notes: (B) Optional Dash Switch not available for this application



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# Product Innovation

## Forged By Experience

BD Diesel is an innovative company and superior manufacturer that distributes products worldwide for North American Diesel vehicles. Located in Abbotsford, British Columbia, Canada, we design, create, manufacture, remanufacture and distribute a wide range of products specifically engineered for performance Diesel powered applications. BD's state-of-the-art facilities cover 65,000 square feet and employ 100 plus highly-trained individuals.

### Butterfly Valve Manufacturing

Harnessing the power of diesel engines to control vehicle descents with a Variable Orifice exhaust brake was the first of BD's butterfly valve design. The variable valve was then designed to assist in turbocharger spool up by opening the dual exhaust turbine ports with turbo boost pressure. Run away engines can be stopped with the Positive Air Shutdown butterfly mounted post turbo in the intake.

### Product Design and CNC Precision Machining

Having a vision of new product opportunity and carrying it through to creation requires a broad knowledge and tool base. CAD software, 3D prototype printers, computerized measuring instruments managed with the right staff is essential. Controlling quality and lead times is best done internally with our Machine Shop that is equipped with six CNC Vertical and Horizontal turning centers.

### Turbocharger Design and Overhauls

Exclusive engineered turbochargers from BD outperform and outlive others. In house turbo engineers work with the manufactures on modified engine designs to select the right components for proper power level matches. New performance turbos and rebuilt stock applications for any engine are offered.

### Factory Installation, Calibration & Vehicle Repair Center

BD's sister Valley Fuel Injection has a fully equipped, 16 bay pick up repair center with a 1,500 hp Mustang Dyno. The latest in scanning equipment and certified diesel technicians tackle everything from installing BD products to calibrating your vehicle for optimal performance and efficiency to general maintenance and repairs.

### Transmission / Torque Converter Design & Remanufacturing

Increased horsepower and torque necessitate transmission modifications to ensure reliable operation. We redesign transmissions, roller bearing designs, pistons, sprag clutches and new valve controls. Electronic designs that are performance compatible for high piston apply pressures. BD specializes in diesel powered Ford, Dodge and Chevy truck transmissions.

### Fuel Injection Pump & Injector Repair and Remanufacturing

Owing to its heritage as a diesel fuel systems specialist, BD is a factory-certified Bosch, Stanadyne, Delphi and Zexel calibration and repair lab that also remanufactures both electronically-controlled and mechanical fuel pumps and injectors for all diesel engine applications. Our factory trained technicians can service automotive, commercial, agriculture and industrial diesel pumps and injectors as well as automotive gas injectors..



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