

ENGINE PRO

Diesel Performance/OEM Catalog



NITRO BLACK DIESEL PERFORMANCE VALVES

For Ford Powerstroke, GM Duramax and Dodge Cummins Engines



FEATURES

- Exotic inconel alloy is designed to function in extreme heat and stress conditions
- Stellite facing creates additional heat resistance on the head of the valve
- Liquid nitriding strengthens the entire valve material - not just the surface area
- Better ductility beneath the extremely hard magnetite outer layer makes the valve less likely to break, even if contacted by a piston
- Greater surface hardness reduces crack formation
- Smoother, stronger surface means less valve and valve guide wear than chrome
- Resists corrosion and deposits caused by exotic fuels



ENGINE PRO NITRO BLACK DIESEL PERFORMANCE VALVES

APPLICATION	PART #	TYPE	HEAD DIA	STEM DIA	OVERALL LGTH	TIP LGTH	SEAT ANGLE
DODGE/CUMMINS ISB 5.9L	01-4991-12	EXH	1.299	0.2756	4.893	0.299	45 DEG.
5.9L TURBO (98-10) 24 VALVES	01-4990-12	INT	1.299	0.2756	4.907	0.299	30 DEG.
FORD 6.0L POWERSTROKE	01-4985-8	EXH	1.102	0.2738	5.059	0.358	37 DEG.
NAVISTAR TURBO (03-10) 32 VALVES	01-4984-8	INT	1.139	0.2738	5.059	0.358	30 DEG.
FORD 6.4L POWERSTROKE	01-4987-8	EXH	1.161	0.2734	5.138	0.433	39.3 DEG.
NAVISTAR TURBO (08-10) 32 VALVES	01-4986-8	INT	1.339	0.2736	5.138	0.433	37 DEG.
FORD 6.7L POWERSTROKE	01-4989-8	EXH	1.195	0.2748	5.242	0.699	44.5 DEG.
FORD TURBO (2011 - ON) 32 VALVES	01-4988-8	INT	1.331	0.2748	5.242	0.699	29.5 DEG.
FORD 7.3L POWERSTROKE	01-4983-8	EXH	1.681	0.3122	5.801	0.289	37.3 DEG.
NAVISTAR 444TE TURBO (94-03) 16 VALVES	01-4982-8	INT	1.681	0.3122	5.798	0.339	30 DEG.
GM 6.6L DURAMAX DD	01-4995-8	EXH	1.220	0.2730	4.965	0.519	45 DEG.
(01-13) 32 VALVES	01-4994-8	INT	1.299	0.2741	4.975	0.519	45 DEG.

NOTE: 32 VALVE ENGINES REQUIRE 2 BOXES OF 8 EXHAUST VALVES AND 2 BOXES OF 8 INTAKE VALVES TO REPLACE VALVES IN COMPLETE ENGINE

DROP-IN DIESEL PERFORMANCE VALVE SPRINGS

Drop In Replacement Uses Stock Retainer and Keepers Adds 25LBS Seat Pressure

These springs are made to Engine Pro specs and are designed to fit popular Ford diesel power plants. They are a drop-in replacement with 25 lbs. of increased seat spring pressure. You can use stock retainers, keepers and valves and no cam or tappet upgrade is required.



ENGINE PRO DROP-IN FORD DIESEL/INDUSTRIAL PERFORMANCE VALVE SPRINGS

APPLICATION	PART #	OUTSIDE DIA	INSIDE DIA	CLOSED POS	OPEN POS	FREE LGTH	WIRE SIZE
FORD 6.0L POWERSTROKE VIN P & FORD 6.4L MAXXFORCE VIN R							
NAVISTAR (03-10) 32 VALVES	02-4040-32	0.995	0.657	90 LBS @ 1.880	260 LBS @ 1.400	2.160	0.165
FORD 7.3L POWERSTROKE VIN F							
NAVISTAR (94-03) 16 VALVES	02-1019-16	1.354	0.940	119# @ 1.800	312# @ 1.350	2.115	0.205

ENGINE PRO DIESEL VALVE STEM SEAL SETS

Engine Pro offers the solution to oil control problems in any performance valve seal situation. From seals requiring no machining to those requiring machining of the guide with a cutter, we have the answers!



ENGINE PRO DIESEL VALVE STEM SEALS				
APPLICATION	PART #	GUIDE O.D.	STEM	TYPE
DODGE/CUMMINS 5.9L				
6B/6BT (89-98) 12-VALVE	35-320V-12	0.552	8mm	RING/BAND
ISB (98-02) 24-VALVE INTAKE	35-C59AV-12	0.484	7mm	METAL CLAD
ISB (98-02) 24-VALVE EXHAUST	35-C59BV-12	0.484	7mm	METAL CLAD
ISB (03-09) 24-VALVE	35-C59LV-24	0.484	7mm	TOP HAT
DODGE/CUMMINS 6.7L				
ISB (07-15) 24-VALVE	35-C59LV-24	0.484	7mm	TOP HAT
FORD 6.0L-6.4L POWERSTROKE				
NAVISTAR (03-10) 32-VALVE	35-F60V-32	0.440	7mm	TOP HAT
FORD 6.7L POWERSTROKE				
NAVISTAR (11-16) 32-VALVE	35-F67V-32	.470	7mm	TOP HAT
FORD 6.9L-7.3L POWERSTROKE				
INDIRECT INJECT (83-95) 16-VALVE	35-690V-16	.627	3/8"	RING/BAND
FORD 7.3L POWERSTROKE				
DIRECT INJECT (94-03) 16-VALVE	35-F73V-16	0.565	8mm	TOP HAT
GM 6.2L-6.5L V8				
(82-04) 16-VALVE	35-G65V-8	0.615	3/8"	METAL CLAD
(82-04) 16-VALVE	35-133P-16			O-RING
GM 6.6L DURAMAX				
(01-05) 32-VALVE	35-G66V-32	0.454	7mm	METAL CLAD
(06-16) 32-VALVE	35-G66LV-32	0.455	7mm	METAL CLAD

ENGINE PRO DIESEL PERFORMANCE PUSHRODS

Our premium pushrods are manufactured from extra thick, premium tube for added strength. Made in the USA with exacting attention to the small details that impact the performance of today's high load, high RPM diesel engines. Made from 4130 seamless chrome moly tubing. Carbon nitride treated to 60-62 Rockwell "C" scale hardness • Sets matched to within +/- .005 overall length.



ENGINE PRO DIESEL PERFORMANCE PUSHRODS				
APPLICATION	PART #	YEARS	OVERALL LGTH	TYPE
DODGE/CUMMINS 3/8" dia. with .083" wall. Also available in .121" and .145" wall thickness. Available in custom lengths.				
5.9L 12 VALVE	NH38A-EB-10.700	1989-98	10.700	12 required
5.9L 24 VALVE	NH38A-56-11.232	1998-09	11.232	12 required
FORD 6.0L POWERSTROKE 5/16" dia. With .116" wall. Available in custom lengths.				
6.0L 32-VALVE	NH5116B-DD-9.850	2003-09	9.850	16 required
FORD 6.4L POWERSTROKE				
6.4L 32-VALVE	NH5116B-DD-9.800	2008-10	9.800	16 required
FORD 6.7L POWERSTROKE				
6.7L 32-VALVE	NH5116B-DQ-9.398	2011-16	9.398	32 required
FORD 7.3L POWERSTROKE 3/8" dia. with .083" wall. Also available in .121" and .145" wall thickness and custom lengths.				
7.3L 16-VALVE	NH38B-DD-10.250	1994-03	10.250	16 required
GM 6.6L DURAMAX DD 3/8" dia. with .083" wall. Also available in .121" and .145" wall thickness and custom lengths.				
6.6L 32-VALVE	NH38B-3N-9.219	2001-06	9.219	16 required

DIESEL PERFORMANCE CAMSHAFTS

For Ford Powerstroke, GM Duramax and Dodge Cummins Engines



Our Camshafts Deliver More Horsepower, More Torque and Better Fuel Economy

Engine Pro Diesel Performance Cams are designed to maximize the performance of these engines within the OEM rpm limits. The opening and closing valve events and lobe ramp design are changed resulting in more power and better fuel economy. Other benefits include reduced turbo lag, faster spooling and more efficient boost.

- Average horsepower increase of 50 hp confirmed in dyno tests
- Average torque increase of 100 ft lbs confirmed in dyno tests
- Reduced turbo lag confirmed in dyno tests
- Faster spooling
- Fuel economy increase of up to 22%

- Exhaust gas temperature reduced an average of 300 degrees F.
- No piston change or valve relief machining necessary
- May be used with stock or ported heads
- 100% USA made

NOTE: It is illegal to use Engine Pro Performance Camshafts in vehicles that are operated on the public streets and highways of California. Various other state laws may limit the use of these camshafts to "off highway" applications only. Check current state and federal laws to be sure.

ENGINE PRO DIESEL PERFORMANCE CAMSHAFT SPECIFICATIONS

APPLICATION	PART #		DUR @ .050		ADV DUR		VALVE LIFT		LOBE SEP		LASH COLD	
DODGE CUMMINS 5.9L - 24 VALVES	MC59024	MECH/HYD	INT	EXH	INT	EXH	INT	EXH	INT	EXH	INT	EXH
		MECH	199	199	237	237	.442	.429	112	112	.010	.020
SPRING PRESSURE - SEAT: 135-145 OPEN: 400 (MAX) WARNING: MUST USE 12-VALVE LIFTERS WITH THIS CAM, e.g. HT2302												
FORD POWERSTROKE 6.0L, 6.4L	MC60641	MECH/HYD	INT	EXH	INT	EXH	INT	EXH	INT	EXH	INT	EXH
		HYD	189	187	227	223	.364	.341	112	112	0	0
SPRING PRESSURE - SEAT: 70-145 OPEN: 400 (MAX) NOTE: BOOST PRESSURE WILL AFFECT THE SPRING RATE NEEDED												
FORD POWERSTROKE 7.3L	MC73001	MECH/HYD	INT	EXH	INT	EXH	INT	EXH	INT	EXH	INT	EXH
		HYD	189	189	234	234	.432	.416	112	112	0	0
SPRING PRESSURE - SEAT: 90-145 OPEN: 400 (MAX) WARNING: WITHOUT FUEL PUMP LOBE												
GM DURAMAX 6.6L	MC66001	MECH/HYD	INT	EXH	INT	EXH	INT	EXH	INT	EXH	INT	EXH
		MECH	181	169	219	206	.340	.338	112	112	.000*	.002*
SPRING PRESSURE - SEAT: 90-145 OPEN: 400 (MAX) NOTE: BOOST PRESSURE WILL AFFECT SPRING RATE NEEDED												
* LASH WILL INCREASE AS CYLINDER HEAD TEMPERATURE INCREASES												



DODGE RAM TRUCKS 2500, 3500, 4500, 5500, D250, D350



PISTONS AND RINGS

APPLICATION	YEARS	PISTON PART #	O.E. PISTON # ON CROWN	RING PART #
CUMMINS 5.9L 12-V 102MM BORE				
6BT5.9 Vin 8	1989-91	41-3525	7163	43D4914
6BT5.9 Vin C	1991-93	41-3523	7156	43D4914
6BT5.9 ETB Vin C, D	1994-98	41-3513	6632	43D4914
6BT5.9 ETB Vin C, D	1994-98	41-3520	2490, 2571, 2572	43D4914

APPLICATION	YEARS	PISTON PART #	O.E. PISTON # ON CROWN	RING PART #
CUMMINS 5.9L 24-V 102MM BORE				
ISB - ETC Vin 6 non-HO	1998.5-02	41-3355	0781, 3708, 3709, 6153, 6154, 6155, 2662	43D7276
ISB - ETH Vin 7 HO	2001-02	41-3354	6050, 6051, 6052	43D7276
ISB - ETH Vin C HO	2003-04.5	41-3672	5497, 9808,	43D7276
ISB - ETC Vin 6 non-HO	2003-04	41-3674	8675, 9807	43D7276
ISB - ETH Vin C HO	2004.5-08	41-3673	0192, 6678	43D7276

APPLICATION	YEARS	PISTON PART #	O.E. PISTON # ON CROWN	RING PART #
CUMMINS 6.7L 24-V 107MM BORE				
ISB - ETJ/ETK Vin, A, L	2007-16	41-3732	6103, 6946, 8619	43D5872

PIN BUSHINGS



APPLICATION	PART #	
359-5.9L 12 & 24-Valve	23-3717	Hole On Top
359-5.9L 24-Valve	23-3718	Hole At 45 Degrees
408-6.7L 24-Valve	23-3718	Hole At 45 Degrees



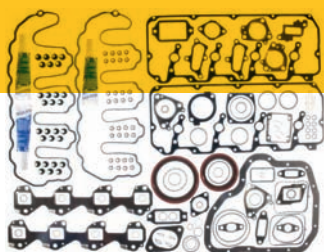
CYLINDER REPAIR SLEEVES

APPLICATION	1/8"	3/32"	NOTES
359-5.9L 12 & 24-Valve	45-517A	45-417A	Universal
359-5.9L 24-Valve	45-517A	45-417A	Universal
408-6.7L 24-Valve	45-2280	45-1180	45-1180X (1/16" wall)



BEARINGS

APPLICATION	YEARS	ROD BEARINGS #	MAIN BEARINGS #
359-5.9L 12-V/24-V Machined Cap Rods	1989-98	11-1413P6	12-1717P
359-5.9L 24-V Fractured Cap Rods	1998-09	11-1873AP6	12-1717P
408-6.7L 24-V Fractured Cap Rods	2007-16	11-1873AP6	12-1717P
APPLICATION	YEARS	CAM BEARINGS #	SPECIFICATIONS
359-5.9L 12-V L6	1989-98	15-1404	2.260" O.D.
359-5.9L 12/24-Valve L6	1996-09	15-1981	2.340" O.D.
408-6.4L 24-Valve L6	2007-16	15-1981	2.340" O.D.



GASKETS & HEAD BOLTS

APPLICATION	YEARS	28-HEAD GASKET	30-REBUILD SET	36-HEAD SET	37-LOWER SET	38-HEAD BOLTS
359-5.9L 12-Valve L6	1989-93	28-9313PT (STD-.061")	30-1527	36U-9332*	37-9332	38-3920779 (6)
Head gasket 1989-98. Select thickness.	1994-96	28-9534PT (.071")		36U-9332*	37-9313	38-3920780 (14)
	1997-98	28-9523PT (.081")	30-3170	36-9313PT-1	37-9313	38-3920781 (6)
359-5.9L 24-Valve L6	1998-02	28-9522PT	30-1970	36-9522PT	37-9522	38-1165
Piston protrusion less than .30mm	2003-09	28-26216PT		36-26216PT	37-26218	38-1165
Piston protrusion greater than .30mm		28-26218PT	30-3059	36-26218PT	37-26218	38-1165
408-6.4L 24-Valve L6	2007-12	28-26679PT		36-26679PT	37-26679	38-1165
	2013-15	28-26679PT		36-26679PT-1	37-26679	38-1165

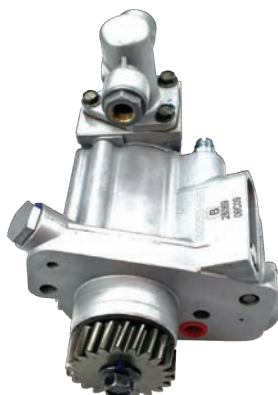
* Without Head Gasket

CAMSHAFTS



APPLICATION	YEARS	PART #
359-5.9L 12-Valve L6	1989-93	MC9042
359-5.9L 12-Valve L6	1994-99	MC9734

EXPANSION PLUG KITS



APPLICATION	YEARS	3/32"
359-5.9L 12-Valve L6	1989-98	26-847-SS
359-5.9L 24-Valve L6	1998-09	26-849-SS



OIL PUMPS

APPLICATION	YEARS	PART #
359-5.9L 12-Valve L6	1989-98	21-251
359-5.9L 24-Valve L6	1998-03	21-251
	2004-09	21-451
408-6.4L 24-Valve L6	2007-16	21-451



VALVE TRAIN

359-5.9L 12-V VIN C, D, 8

Component	Type	Years	Part#	Description
Valves	Exhaust	1989-98	01-01664	1.654" Head Dia.
	Intake	1989-98	01-01665	1.772" Head Dia.
Springs	Both	1989-96	02-1348	2.235" Free Length
	Both	1997-98	02-1379	2.385" Free Length
	Both	1989-98	02-1459	2.194" Free Length "B" 30 lbs.
Locks	Both	1989-98	04-1079	1 Groove
Guides	Both	1989-98	09-8277	2.500" O.A.L. .4395" O.D.
	Exhaust	1989-98	09-8178	2.052" O.A.L. .5527" O.D.
	Intake	1989-98	09-8177	2.397" O.A.L. .5527" O.D.
Seats	Exhaust	1989-98	18-1722E-1	1.722" O.D. .265" Depth OEM
	Exhaust	1989-98	18-1750-7	1.750" O.D. 7/32" Depth Univ.
	Intake	1989-98	18-1853E-1	1.853" O.D. .273" Depth OEM
	Intake	1989-98	18-1875-8	1.875" O.D. 7/32" Depth Univ.
Valve Seals	Both	1989-98	35-320V-12	.552" G.D. x .316" S.D. Ring/Band
Rocker Arms	Exhaust	1989-98	07-9116	
	Intake	1989-98	07-9115	
Pushrods	Both	1989-98	16-448	10.910"
Lifters	Both	1989-98	17-2302	Mechanical

DODGE RAM TRUCKS CONTINUED



VALVE TRAIN

359-5.9L 24-V VIN 6, 7, C				
Component	Type	Years	Part#	Description
Valves	Exhaust	1998-09	01-02015	1.299" Head Dia.
	Exhaust-Inconel	1998-09	01-13161	1.299" Head Dia.
	Intake	1998-09	01-02014	1.299" Head Dia.
Springs	Both	1998-09	02-1484	1.890" Free Length
Locks	Both	1998-09	04-1097	1 Groove
Guides				
OEM Integral W/Single	Exhaust	1998-04	09-3022	2.020" O.A.L. .5015" O.D.
Flange, .360" Seal Boss	Intake	1998-04	09-3021	1.937" O.A.L. .5015" O.D.
OEM Integral W/Dual	Exhaust	1998-09	09-3034	2.020" O.A.L. .5015" O.D.
Flange, .334" Seal Boss	Intake	1998-09	09-3033	1.937" O.A.L. .5015" O.D.
Optional O.D.	Exhaust	1998-09	09-3081	2.020" O.A.L. .4395" O.D.
Without Seal Boss	Intake	1998-09	09-3080	1.937" O.A.L. .4395" O.D.
Seats	Exhaust	1998-09	18-1375E-2N	1.375" O.D. .227" Depth OEM
	Intake	1998-09	18-1375E-1	1.375" O.D. .227" Depth OEM
Valve Seals	Both	1998-09	35-C59LV-24	.484" G.D. x .277" S.D. Top Hat
	Exhaust	1998-02	35-C59BV-12	.484" G.D. x .277" S.D. Metal Clad
	Intake	1998-02	35-C59AV-12	.484" G.D. x .277" S.D. Metal Clad
Lifters	Both	1998-02	17-2085	Mechanical
	Both	2003-09	17-2086	Mechanical

408-6.7L 24-V VIN A, L				
Component	Type	Years	Part#	Description
Valves	Exhaust	2007-15	01-13006	1.299" Head Dia.
	Exhaust-Inconel	2007-15	01-13161	1.299" Head Dia.
	Intake	2007-15	01-02014	1.299" Head Dia.
Springs	Both	2007-15	02-1484	1.890" Free Length
Locks	Both	2007-15	04-1097	1 Groove
Guides				
OEM integral W/Dual	Exhaust	2007-13	09-3034	2.020" O.A.L. .5015" O.D.
Flange, .334" Seal Boss	Intake	2007-13	09-3033	1.937" O.A.L. .5015" O.D.
Optional O.D.	Exhaust	2007-13	09-3081	2.020" O.A.L. .4395" O.D.
Without Seal Boss	Intake	2007-13	09-3080	1.937" O.A.L. .4395" O.D.
Seats	Exhaust	2007-15	18-1375E-2N	1.375" O.D. .227" Depth OEM
	Intake	2007-15	18-1375E-1	1.375" O.D. .227" Depth OEM
Valve Seals	Both	2007-13	35-C59LV-24	.484" G.D. x .277" S.D. Top Hat
Lifters	Both	2007-13	17-2086	Mechanical

G.D. = Guide Diameter S.D. = Stem Diameter



FORD TRUCKS E250-350-450, EXCURSION, F250-350-450--F550, F53-59



PISTONS AND RINGS

APPLICATION	YEARS	PISTON PART #	RING PART #
363-6.0L 32-V POWERSTROKE VIN P			
	2003	41-3454	43D4914
	2004-10	41-3503	43D4914
Reduced CH by .010	2004-10	41-3902	43D4914
391-6.4L 32-V POWERSTROKE			
	2008-10	41-3666	43D5741
Reduced CH by .010		41-3891	43D5741
406-6.7L 32-V POWERSTROKE VIN T			
	2011-16	41-3852	43D5853
420-6.9L 16-V DIESEL			
	1983-88	41-2190	43D5693
	1983-88	same	43D5697*
444-7.3L 16-V INDIRECT INJECT VIN M			
	1988-94	41-3508	43D4741*
Reduced CH by .010	1988-94	41-2908	43D4741*
444-7.3L 16-V INDIRECT TURBO VIN C			
	1993-94	NA	43D4873*
444-7.3L 16-V INDIRECT TURBO VIN K			
	1994	NA	43D4741*
Reduced CH by .010	1994	41-3512HA	43D4741*
444-7.3L 16-V DI POWERSTROKE VIN F			
	1994-04	41-3163	43D4882*
Reduced CH by .010	1994-04	41-3409	43D4882*

* Special Oversize Gap #2 Ring



PIN BUSHINGS

APPLICATION	PART #
363-6.0L 32-V Powerstroke	23-3671
420-6.9L 16-V Diesel	23-3583
444-7.3L 16-V Indirect Vin M, K, C	23-3583
444-7.3L 16-V DI Powerstroke Vin F	23-3652



CYLINDER REPAIR SLEEVES

APPLICATION	3/32"	NOTES
363-6.0L 32-V Powerstroke	45-120	Universal
391-6.4L 32-V Powerstroke	45-101FD	Flanged
406-6.7L 32-V Powerstroke	45-901D	
420-6.9L 16-V Diesel	45-137	45-237 1/8" wall
444-7.3L 16-V Indirect Inject	45-1174	45-2274 1/8" wall



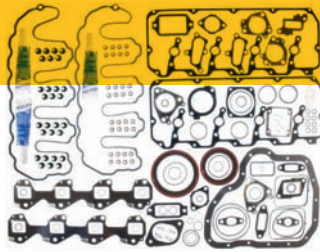
BEARINGS

APPLICATION	YEARS	ROD BEARINGS #	MAIN BEARINGS #	CAM BEARINGS #
363-6.0L 32-V Powerstroke	2003-10	11-1814P8	12-2269P	15-1996S
391-6.4L 32-V Powerstroke	2008-10	11-1869P8	12-2269P	15-1996S
406-6.7L 32-V Powerstroke	2011-16	11-1953AP8	12-2334A + 13-711S	15-2322S
420-6.9L 16-V Diesel	1983-87	11-1327P8	12-1596P	15-1092S
444-7.3L 16-V Indirect Inject	1988-95	11-1327P8	12-1596P	15-1092S
444-7.3L 16-V DI Powerstroke	1994-05	11-1633P8	12-2034P	15-1092S

See our performance products for all your diesel upgrade needs.



FORD TRUCKS CONTINUED



GASKETS & HEAD BOLTS

APPLICATION	YEARS	28-HEAD GASKET Driver / Passenger	30- REBUILDER SET	36-HEAD SET	37-LOWER SET	38-HEAD BOLTS
363-6.0L 32-V 18MM Head Dowel	2003-06	28-26374PT	30-3174	36-26374PT	37-26374	38-4214
363-6.0L 32-V 20MM Head Dowel	2005-10	28-26375PT	30-3175	36-26375PT	37-26374	38-4214
363-6.0L 32-V W/O Head Gaskets	2003-10	(see above)	30U-3174	36U-26374	37-26374	38-4214
391-6.4L V8 32-V Vin R	2008-10	28-26565PT		36-26565PT	37-26565	38-4220
406-6.7L 32-V Powerstroke Vin T	2011-14	28-26661PT / 28-26662PT		36-26661PT	37-26661-1	38-4260
406-6.7L 32-V Powerstroke Vin T	2015-18	28-26661PT / 28-26662PT		36-26661PT-1	37-26661-2	38-4260
420-6.9L 16-V Diesel	1983-87	28-8891PT-1	30-1672*	36-8891PT*	37-8891	
444-7.3L V8 16-V Vin C, K, M	1988-95	28-9047PT	30-1673*	36-9047PT*	37-8891	
444-7.3L V8 16-V Vin F	1994-3/31/99	28-9239PT	30-1881**	36-9239PT**	37-9239	38-4200
444-7.3L V8 16-V Vin F	4/01/99-03	28-9239PT	30-1882**	36-9239PT**	37-9239-1	38-4200

* Requires 27-4029 intake Gasket **Valve Cover Gaskets Not Included



OIL PUMPS

APPLICATION	YEARS	PART #
420-6.9L 16-V Diesel	1983-87	21-165
444-7.3L 16-V Ind. and Direct Inject	1988-03	21-165



EXPANSION PLUG KITS

APPLICATION	YEARS	PART # STAINLESS STEEL	Part # BRASS
363-6.0L 32-V	2003-10	26-363-SS	
420-6.9L 16-V	1983-87	26-179-SS	26-179-BR
444-7.3L 16-V Ind. Inj.	1988-95	26-229-SS	26-229-BR



TIMING GEAR SETS

APPLICATION	YEARS	VIN	Contents	Part #
420-6.9L 16-V	1983-87	1	3342, 3341	3342S
444-7.3L 16-V Indirect Inject	1988-94	M	3342, 3341	3342S



HARMONIC BALANCERS

APPLICATION	YEARS	VIN	Description	Part #
444-7.3L 16-V Indirect Inject	1988-95	F, M	Balancer	PB1491-N
444-7.3L 16-V Direct Inject	1988, 95-03	F, M	8-Groove Serpentine Pulley	PB1492-N

CAMSHAFTS

APPLICATION	YEARS	PART #
363-6.0L 32-V Powerstroke Vin P	2003-10	MC1651
391-6.4L 32-V Powerstroke	2008-10	MC1651
406-6.7L 32-V Powerstroke Vin T	2011-16	MC1906
420-6.9L 16-V Diesel	1983-87	MC1022
444-7.3L 16-V Ind. Inject Vin C, M, K	1988-95	MC1022





VALVE TRAIN

363-6.0L 32-V VIN P

Component	Type	Years	Part#	Description
Valves	Exhaust	2003-10	01-02180	1.102" Head Dia.
	Intake	2003-10	01-02179	1.339" Head Dia.
Springs	Both	2003-10	02-3561	2.076 Free Length
Locks	Both	2003-10	04-1105	1 RD Bead
Guides	Both	2003-10	09-3055	2.331" O.A.L. .4395" O.D.
Seats	Exhaust	2003-10	18-1250-15N	.905" I.D. 1/4" Machine To Depth
	Exhaust	2003-10	18-1250-3	1.00" I.D. 1/4" Machine To Depth
	Intake	2003-10	18-1375-2	1.125" I.D. 1/4" Machine To Depth
Valve Seals	Both	2003-10	35-F60V-32	.440" G.D. x .276" S.D. Top Hat
Pushrods	Both	2003-10	16-642	9.845" Factory Original
	Both	2003-10	16-662	9.795" BRONZE TIP TOWARD ROCKER ARM
Lifters		2003-10	17-2104	Hyd. Roller

391-6.4L 32-V 32-V VIN R

Component	Type	Years	Part#	Description
Valves	Exhaust	2008-10	01-13183	1.161" Head Dia.
	Intake	2008-10	01-13182	1.339" Head Dia.
Springs	Both	2003-10	02-3561	2.076 Free Length
Locks	Both	2008-10	04-1105	1 RD Bead
Guides	Both	2008-10	09-3055	2.331" O.A.L. .4395" O.D.
Seats	Exhaust	2008-10	18-1250-15N	.905" I.D. 1/4" Machine To Depth
	Exhaust	2008-10	18-1250-3	1.00" I.D. 1/4" Machine To Depth
	Intake	2008-10	18-1375-2	1.125" I.D. 1/4" Machine To Depth
Valve Seals	Both	2008-10	35-F60V-32	.440" G.D. x .276" S.D. Top Hat
Pushrods	Both	2008-10	16-662	9.795" BRONZE TIP TOWARD ROCKER ARM
Lifters		2008-10	17-2104	Hyd. Roller

406-6.7L 32-V VIN T POWERSTROKE

Component	Type	Years	Part#	Description
Valves	Exhaust	2011-16	01-13266	1.195" Head Dia.
	Intake	2011-16	01-13265	1.331" Head Dia.
Springs	Both	2011-16	02-3657	1.979" Conical
Locks	Both	2011-16	04-1084	3 RD Beads
Guides	Both	2011-16	09-3163	2.764" O.A.L. .4475" O.D.
Seats		2011-16		
Valve Seals	Both	2011-16	35-F67V-32	.470" G.D. x .276" S.D. Top Hat
Rocker Arms	Both	2011-16	07-1343	Right
	Both	2011-16	07-1344	Left
Pushrods	Both	2011-16	16-685	9.530" (32 Pieces)
Lifters		2011-16	17-7527	Hyd. Roller





VALVE TRAIN

420-6.9L 16-V VIN 1				
Component	Type	Years	Part#	Description
Valves	Exhaust	1983-87	01-01542	1.595" Head Dia.
	Exhaust-Inconel	1983-87	01-01542S	1.595" Head Dia.
	Intake	1983-87	01-01543	1.877" Head Dia.
Springs	Both	1983-87	02-0887X-4	2.050" Free Length
Locks	Both	1983-87	04-0613	1 Groove
Guides	Both	1983-87	09-7689	2.600" O.A.L. .625" O.D.
	Both	1983-87	09-7712	2.600" O.A.L. .6268" O.D.
Seats	Exhaust	1983-87	18-1669E-1	1.372" I.D. .272" Depth OEM
	Intake	1983-87	18-1957ST	1.563" I.D. .313" Depth Stepped
	Intake	1983-84	18-1875-38	1.625" I.D. 3/16" Depth Early Heads
	Intake	1985-87	18-1937-23	1.6875" I.D. 3/16" Depth Late Heads
Valve Seals	Both	1983-87	35-690V-16	.627" G.D. x .374" S.D. Ring and Band
Rocker Arm Kits	Both	1983-87	07-650	2 Arms, 2 Pivots, 1 Retainer
Pushrods	Both	1983-87	16-608	9.993" BRONZE TIP TOWARD ROCKER ARM
Lifters		1983-87	17-2104	Hyd. Roller

444-7.3L 16-V VIN C, K, M INDIRECT INJECT				
Component	Type	Years	Part#	Description
Valves	Exhaust	1988-95 Vin M	01-01542	1.595" Head Dia.
	Exhaust-Inconel	1988-95 Vin M	01-01542S	1.595" Head Dia.
	Exhaust	1993-94 Vin C, K	01-01754	1.595" Head Dia.
	Intake	1988-95	01-01543	1.877" Head Dia.
Springs	Both	1988-95	02-0887X-4	2.050" Free Length
Locks	Both	1988-95	04-0613	1 Groove
Guides	Both	1988-95	09-7689	2.600" O.A.L. .625" O.D.
	Both	1988-95	09-7712	2.600" O.A.L. .6268" O.D.
Seats	Exhaust	1988-95	18-1669E-1	1.372" I.D. .272" Depth OEM
	Intake	1988-95	18-1957ST	1.563" I.D. .313" Depth Stepped
	Intake	1988-89	18-1875-38	1.625" I.D. 3/16" Depth Early Heads
	Intake	1988-95	18-1957ST	1.563" I.D. .313" Depth Stepped
Valve Seals	Both	1988-95	35-690V-16	.627" G.D. x .374" S.D. Ring and Band
Rocker Arm Kits		1988-94	07-650	2 Arms, 2 Pivots, 1 Retainer
Pushrods		1988-95	16-608	9.993" BRONZE TIP TOWARD ROCKER ARM
Lifters		1983-87	17-2104	Hyd. Roller

444-7.3L 16-V VIN F DIRECT INJECT				
Component	Type	Years	Part#	Description
Valves	Exhaust	1994-03	01-01786	1.680" Head Dia.
	Intake	1994-03	01-01785	1.680" Head Dia.
Springs	Both	1994-03	02-0887X-4	2.050" Free Length
Locks	Both	1994-03	04-0614	1 Groove
Guides	Both	1994-03	09-8476	2.440" O.A.L. .5651" O.D. O.E.M.
	Both	1994-03	09-8562	2.440" O.A.L. .564" O.D. 9/16" Tooling
Seats	Exhaust	1994-03	18-1750-4N	1.4375" I.D. 1/4" Depth Cut to 37.5 Degree
	Intake	1994-03	18-1750-4	1.4375" I.D. 1/4" Depth Cut to 37.5 Degree
Valve Seals	Both	1994-03	35-F73V-16	.565" G.D. x .315" S.D. Top Hat
Pushrods	Both	1994-03	16-611	10.240" BRONZE TIP TOWARD ROCKER ARM
Lifters		1994-03	17-2104	Hyd. Roller

GM TRUCKS C/G/K1500-2500-3500, 2500-3500, SUBURBAN, SILVERADO, SIERRA, YUKON



PISTONS AND RINGS

APPLICATION	YEARS	PISTON PART #	RING PART #
379-6.2L V8 VIN C, J			
	1982-93	41-2185	43D5655
		Same	43D4975*
395-6.5L V8 VIN F, P, S, Y, Z			
	1992-02	41-2897	43D4744*
403-6.6L 32-V VIN 1, 2 LB7-LLY			
	2001-06	41-3452R**	43D4845
		41-3451L**	43D4845
403-6.6L 32-V VIN D, 6 LBZ-LMM			
	2006-10	41-3708R**	43D4845
		41-3709L**	43D4845
403-6.6L 32-V VIN 8, L LML-LGH			
	10-16	41-3935	43D4845
Reduced CH by .010	10-16	41-3985	43D4845

* Special Oversize Gap #2 ring ** R Right or Passenger Side / L Left or Driver Side

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BEARINGS

APPLICATION	YEARS	ROD BEARINGS #	MAIN BEARINGS #	CAM BEARINGS #
379-6.2L V8 Vin C, J	1982-93	11-1286P8	12-2091P	15-1366S
395-6.5L V8 Vin F, P, S, Y, Z	1992-02	11-1286P8	12-2091P	15-1366S
403-6.6L 32-V Vin 1, 2, D, 6, L, 8 Rods marked "B"	2001-16	11-1805P8	12-2218P + 13-610S	15-1999S
403-6.6L 32-V Vin 1, 2, D, 6, L, 8 Rods marked "A"	2001-16	11-1990P8	12-2218P + 13-610S	15-1999S



PIN BUSHINGS

APPLICATION	PART #
379-6.2L V8 Vin C, J	23-3576
395-6.5L V8 Vin F, P, S, Y, Z	23-3576
403-6.6L 32-V Vin 1, 2, D, 6	23-3729



CYLINDER REPAIR SLEEVES

APPLICATION	3/32"	1/8"
379-6.2L V8	45-1152	45-2252
395-6.5L V8	45-1102	45-2202



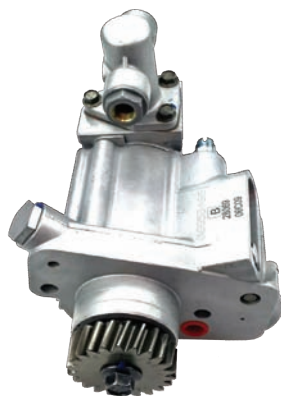
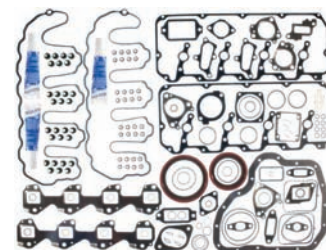
GASKETS & HEAD BOLTS

APPLICATION	YEARS	28-HEAD GASKET	30- REBUILDER SET	36-HEAD SET	37-LOWER SET	38-HEAD BOLTS
379-6.2L V8 Vin C	1982-91	28-8726PT	30-1315	36U-8726*	37-8726-1	38-3195
379-6.2L V8 Vin J	1982-91	28-8726PT	30-1315	36U-8726-1*	37-8726-1	38-3195
.010" Thicker Head Gasket Vin C, J	1982-91	28-9128PT	30-1619			38-3195
379-6.2L V8 Vin C	1992-93	28-8726PT	30-1620	36U-8726*	37-8726-2	38-3195
379-6.2L V8 Vin J	1992-93	28-8726PT	30-1620	36U-8726-1*	37-8726-2	38-3195
.010" Thicker Head Gasket Vin C, J	1992-93	28-9128PT	30-1621			38-3195
395-6.5L V8 Vin F, P, S, Y, Z	1992-02	28-9701PT	30-1772	36U-8726*	37-8726-2	38-3195
.010" Thicker Head Gasket	1992-02	28-9521PT	30-1773			38-3195
403-6.6L Duramax Vin 1 LB7	2001-05	see chart below	30U-26269*	36U-26269*	37-26269	38-3220
403-6.6L Duramax Vin 2, D LLY, LBZ	2004-09	see chart below	30U-26269-1*	36U-26269-1*	37-26269	38-3220
403-6.6L Duramax Vin 6 LMM	2007-10	see chart below	30U-26269-2*	36U-26269-2*	37-26269-2	38-3220
403-6.6L Duramax Vin L, 8 LML, LGL	2011-16	see chart below		36U-26269-3*	37-26269-3	38-3220

* Head Gaskets Not Included

DURAMAX 6.6L HEAD GASKETS

APPLICATION	PART # DRIVER SIDE	PART # PASSENGER SIDE
.037" - 0.95mm Thick	28-26401PT	28-26402PT
.039" - 1.00mm Thick	28-26271PT1	28-26272PT1
.041" - 1.05mm Thick	28-26273PT1	28-26274PT1
.047" - 1.09mm Thick	28-26405PT	28-26406PT



OIL PUMPS

APPLICATION	YEARS	PART #
379-6.2L V8	1982-91	21-551
395-6.5L V8	1992-96	21-551
395-6.5L V8	1997-02	21-255-294S*
403-6.6L Duramax Vin 1, 2, D, 6	2001-10	21-316

* With Screen



EXPANSION PLUG KITS

APPLICATION	YEARS	PART # STAINLESS STEEL	Part # BRASS
379-6.2L V8	1982-91		26-180-BR
395-6.5L V8	1992-95		26-180-BR
403-6.6L 32-V Block kit	2001-16	26-844-SS	26-844-BR
403-6.6L 32-V Head kit	2001-16		26-845-BR



TIMING GEAR SETS

APPLICATION	YEARS	VIN	Contents	Part #
379-6.2L V8 12-V	1982-93	C, J	C-181, S-524, S-375	3074
395-6.5L V8 12-V	1992-93	F	C-181, S-524, S-375	3074
	1994-02	F, P, S, Y	C-181, S-524, S-807	3097

HARMONIC BALANCERS



APPLICATION	YEARS	VIN	Description	Part #
379-6.2L V8 12-V	1982-86, 88-93	C, J	Balancer	PB1102-N
	1988-93	J, C	Turbo Serpentine Pulley	PB1194-N
	1988-93	J	Turbo	PB1490-N
395-6.5L V8 12-V	1992-93	F	Balancer	PB1102-N
	1992-02	F, Y, P, S	Turbo L65 Serpentine Pulley	PB1194-N
	1994-02	F, Y, P, S	Turbo L65	PB1490-N

CAMSHAFTS



APPLICATION	YEARS	PART #
379-6.2L V8 Vin C, J	1982-93	MC1020
395-6.5L V8 Vin F, P, S, Y, Z	1992-02	MC1020



VALVE TRAIN

379-6.2L V8	16-V		VIN C, J	
Component	Type	Years	Part#	Description
Valves	Exhaust	1984-93	01-01482S	1.496" Head Dia.
		1982-87	01-01483S	1.653" Head Dia.
		1988-93	01-01780S	1.535" Head Dia.
	Intake	1982-93	01-01484	1.811" Head Dia.
		1982-83	01-01518	1.968" Head Dia.
Springs	Both	1982-93	02-1220X	2.035" Free Length
Locks	Both	1982-93	04-1000-32	1 Groove
Guides	Exhaust	1982-93	09-9716	2.188" O.A.L. .502" O.D. .373" I.D.
	Intake	1982-93	09-9715	2.125" O.A.L. .502" O.D. .343" I.D.
Seats	Exhaust	1984-93	18-1562-36N	1.312" I.D. 3/16" Dep. 1.5" Range Valve
	Exhaust	1982-87	18-1687-15	1.437" I.D. 5/32" Dep. 1.653" Valve
	Intake	1982-93	18-1937-23	1.687" I.D. 3/16" 1.811" Valve
	Intake	1982-83	18-2000-22	1.750" I.D. 5/32" 1.968" Valve
Valve Seals	Exhaust	1982-93	35-296P-16	.625" G.D. x .373" S.D. 2-Ring
		1982-93	35-G65V-8	.615" G.D. x .373" S.D. Metal Clad
	Intake	1982-93	35-133P-16	O-Ring
Rocker Arms		1982-93	07-900	
Rocker Arm Shafts		1985-93	07-436	4-Required
Pushrods		1982-93	16-609	8.822"
Lifters		1982-93	17-2104	Hyd. Roller

G.D.- Guide Diameter S.D. - Stem Diameter



VALVE TRAIN

395-6.5L V8 16-V	16-V		VIN F, P, S, Y, Z	
Component	Type	Years	Part#	Description
Valves	Exhaust	1992-02	01-01780S	1.535" Head Dia.
	Intake	1992-02	01-01484	1.811" Head Dia.
Springs	Both	1992-02	02-1220X	2.035" Free Length
Locks	Both	1992-02	04-1000-32	1 Groove
Guides	Exhaust	1992-02	09-9716	2.188" O.A.L. .502" O.D. .373" I.D.
	Intake	1992-02	09-9715	2.125" O.A.L. .502" O.D. .343" I.D.
Seats	Exhaust	1992-02	18-1562-36N	1.312" I.D. 3/16" Depth Univ.
	Intake	1992-02	18-1937-23	1.687" I.D. 3/16" Depth Univ.
Valve Seals	Exhaust	1992-02	35-G65V-8	.615" G.D. x .373" S.D. Metal Clad
	Intake	1992-02	35-133P-16	O-Ring
Rocker Arms		1992-02	07-900	
Pushrods		1992-02	16-609	8.822"
Lifters		1992-02	17-2104	Hyd. Roller

403-6.6L V8	32-V		VIN 1,2,3 6,8,D,L	
Component	Type	Years	Part#	Description
Valves	Exhaust	2001-16	01-02176	1.220" Head Dia.
	Intake	2001-16	01-02175	1.299" Head Dia.
Springs	Both	All	02-3560	2.200" Free Length 1st Design
	Both	All	02-1457	2.216" Free Length 2nd Design
Locks	Both	2001-16	04-1048	1 Rd Bead
Guides	Both	2001-05	09-3049	1.967" O.A.L. .4547" O.D. W/seal Grv.
	Both	2006-16	09-3142	1.967" O.A.L. .4547" O.D. W/O Grv.
Seats	Exhaust	2001-16	18-1264E-1	.977" I.D. .237" Depth OEM
	Intake	2001-16	18-1343E-1	1.687" I.D. 3/16" Depth OEM
Valve Seals	Both	2001-05	35-G66V-32	.454" G.D. x .276" S.D. Metal Clad
	Both	2006-16	35-G66LV-32	.455" G.D. x .276" S.D. Metal Clad
Lifters		2001-16	17-2298	Mechanical Roller

G.D.- Guide Diameter S.D. - Stem Diameter

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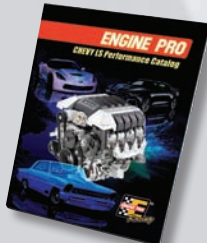
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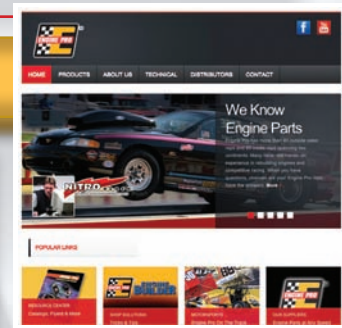


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