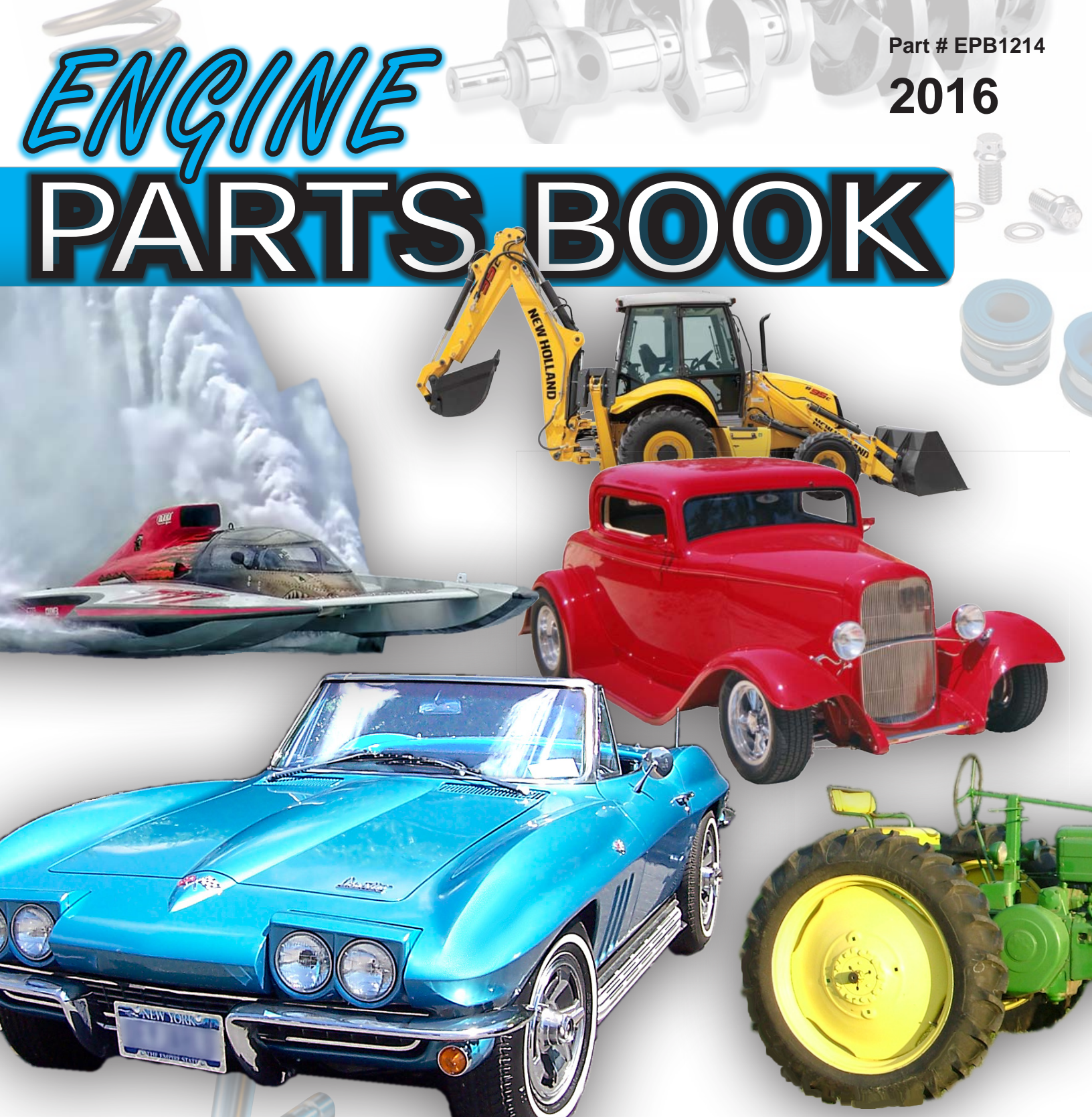


ENGINE

Part # EPB1214

2016

PARTS BOOK



OEM AG Industrial Race Heavy Duty Vintage Marine

Professional Engine Builders

Customized printed catalogs available

Sterling Sales: 1-888-765-5487



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Designed for the PRO

The Engine PARTS BOOK is a catalog of the best selling parts for the most popular engines. The book is organized by **Kits, Applications, Top End, Bottom End, Engine Kit components** and **Shop Supplies**. Use the Index and page headers to quickly find a part number. The **Application** sections list the most popular parts in one spot along with some specialty items not listed in the body of the catalog. This book is designed for the experienced engine builder. Most of the marketing hype has been eliminated; please consult the manufacturers catalog for complete listings and specifications. We supply more brands and lots more parts, call or log-in for information.

OVER HALF-a-MILLION SKU's



There are over 4,000 parts listed in this book but that's a fraction of the 500,000+ part numbers we manage. Parts are either on the shelf or we'll get them for you. Let us source the parts while you focus on engine building. We specialize in engine parts for domestic, import, heavy duty, agricultural, industrial and marine.

ENGINE PRO BRAND

Is designed with the engine builder in mind. Our factories in the USA and around the world build top quality engine parts at affordable prices.

TOUGH to GET PARTS?

We'll find it. Our Engine Parts Finder network of 30+ distribution centers combined with over 75 specialty dealers and a fast way to inquire, means you get the right part, quickly, and at a great price.



TECHNICAL ADVICE?

You've come to the right place. We have a lot of experience, not only looking up engine parts but building all kinds of engines. And if we don't know an answer, we'll find it.

HOW TO ORDER PARTS?

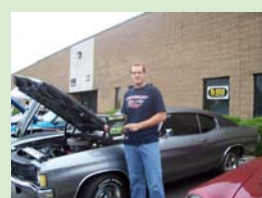
Simple, contact the Team Engine Pro member listed on the front of this catalog.



TEAM ENGINE PRO

It takes a large team of experts to build a reliable engine. Our team of Engine Pro's start with the finest manufacturers in the world. Factories supply engine parts to OEM brands like GM, Ford, Chrysler, Toyota, John Deere, Mack, and these same factories supply the parts listed in this E-Book and are made available through Team Engine Pro machine shops.

*Best brands...
Top engines...
In ONE Book.*



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WHY CUSTOM?



1. Support your local engine builder

Keep your local economy strong and get to know your neighbor.

2. Build your core vs unknown

You know the history of your engine.

3. You choose the parts

Brand requests, upgrades, no problem.

4. Machining options

Don't settle for the factory basics.

5. Guaranteed fit

The engine will fit back in your vehicle without modifications.

6. Original numbered castings

Keep the original numbers that belong to your vehicle.



TOP SELLING ENGINE KITS

Kit Part # Application

AMC

AK242-06R AMC/JEEP L6 4.0L 242 2001-03
 AK258-06R AMC/JEEP L6 4.2L 258 01-03 WITH PLASTIC VALVE (C)
 AK360R AMC/JEEP V8 5.9L 360 1970-80

CHRYSLER

CK121-01AR CHR L4 2.0L 121 00-05 SOHC NEON VIN C, N
 CK166-02R CHR V6 2.7L 166 02-05 DOHC 24-VALVE VIN R
 CK226R CHR V6 3.7L 226 02-03 SOHC VIN K
 CK287-03R CHR V8 4.7L 287 99-02 SOHC VIN N
 CK360-10BR CHR V8 5.9L 360 98-01 OHV
 CK383-02R CHR V8 6.3L 383 66-71 OHV SINGLE BOLT CAM
 CK440R CHR V8 7.2L 440 66-71 OHV W/SINGLE BOLT CAM - EXC SIX PACK.

FORD

FK183-17BR FRD V6 3.0L 183 7/27/99-00 OHV RANGER VIN U
 FK200R FRD L6 3.3L 200 65-72 OHV CAR, TRK
 FK256R FRD V6 4.2L 256 97-98 OHV THRU JAN 14,98. TRK,VAN
 FK281-05CR FRD V8 4.6L 281 01-11/02 SOHC ROMEO VIN W CAR
 FK289-01R FRD V8 4.7L 289 65-68 OHV W/13/32 WIDE TIMING TEETH.
 FK292R FRD V8 4.7L 292 55-64 OHV #3 CAM JRNL GROOVED. EXC HEAVY DUTY & SC
 FK300-03R FRD L6 4.9L 300 69-81 OHV 12V AFTER CHANGE L16. TRK,VAN
 FK302R FRD V8 5.0L 302 68-72 OHV THRU APR 30, 72.
 FK330-01E2R FRD V8 5.4L 330 02-03 SOHC 16-V VIN L, M EXC. LIGHTNING
 FK351CR FRD V8 5.8L 351 70-74 OHV CLEVELAND, W/4 BBL CARB.
 FK390R FRD V8 6.4L 390 68-73 OHV TRK ONLY
 FK400-04R FRD V8 6.6L 400 77-82 OHV TRK ONLY
 FK460-14R FRD V8 7.5L 460 95-98 LIGHT TRUCK W/FUEL INJECTION

GENERAL MOTORS

GK207-06R GM V6 3.4L 207 00-03 OHV 12-V VIN E VANS, MONTE CARLO, IMPALA
 GK231-37AR GM V6 3.8L 231 97-03 OHV 3800 VIN K, 2 GRD PRIX, IMPALA, MONTE CARLO, REGAL
 GK262-29AR GM V6 4.3L 262 99 OHV 12V BLOCK W/O ENG ID T- REAR SEAL SILVERADO,SIERRA NOT INC.
 GK283-01R GM V8 4.6L 283 58-63 OHV CHEV
 GK325-01R GM V8 5.3L 325 02-03 OHV VORTEC 5300 VIN T TRUCKS, SUV W/1ST DESIGN CAM BRG.
 GK327-01R GM V8 5.4L 327 64-67 OHV EXC HP, AND CHE II. CHEV CAR & TRK
 GK327-03R GM V8 5.4L 327 68-69 OHV EXC HP, W/LARGE JRNL CRANK. CHEV CAR & TRK
 GK350-02R GM V8 5.7L 350 68-72 OHV OLDS
 GK350-08R GM V8 5.7L 350 68-77 OHV PONTIAC, EXC VENTURA
 GK350-10R GM V8 5.7L 350 67-70 OHV W/FT PISTONS. CHEV CAR & TRK
 GK350-11R GM V8 5.7L 350 71-79 OHV W/DISH TOP PISTONS. CHEV CAR & TRK
 GK350-13R GM V8 5.7L 350 81-85 OHV W/.343 EXH VALVE STEMS. CHEV CAR & 1/2 TON TRK
 GK350-18R GM V8 5.7L 350 87-92 OHV CHEV LT TRK
 GK350-21R GM V8 5.7L 350 93-94 OHV W/5/8 OP PU TUBE. CHEV LT TRK
 GK350-22R GM V8 5.7L 350 93-95 OHV W/3/4 OP PU TUBE. CHEV LT TRK
 GK350-31R GM V8 5.7L 350 96-99 OHV VORTEC ENG W/.275 WIDE TIMING SET TOOTH,- (see catalog)
 GK364-02R GM V8 6.0L 364 02-03 OHV VORTEC W/1ST DESIGN CAM BRG.
 GK389-02R GM V8 6.4L 389 66 OHV W/FT PISTON. PONTIAC
 GK396-01R GM V8 6.6L 396 67-69 OHV BIG BLOCK OVAL PORT CHEV
 GK400R GM V8 6.6L 400 70-76 OHV SMALL BLOCK CHEV
 GK400-01R GM V8 6.6L 400 67-71 OHV PONTIAC
 GK402R GM V8 6.6L 402 70-72 OHV BIG BLOCK - OVAL PORT CHEV
 GK427-05R GM V8 7.0L 427 74-84 OHV CHEV TRUCK TALL DECK BLOCK
 GK454R GM V8 7.4L 454 70-79 OHV EXC HP CAR,TRK
 GK454-06R GM V8 7.4L 454 88-90 OHV LT TRK
 GK454-07R GM V8 7.4L 454 88-90 OHV GEN 5. LT TRK
 GK454-10R GM V8 7.4L 454 96-98 OHV GEN 6, W/6 BOLT TIMING COVER, W/ROLLER CAM LT TRK
 GK455-02R GM V8 7.4L 455 68-72 OHV OLDS

NAVISTAR

IK404R IH V8 6.6L 404 70-85 MV404 GAS TRUCK

BLOCKMASTER

ENGINE KITS

Master kits include:

- Pistons
- Rings
- Oil pump
- Rebuilder gaskets
- Camshaft
- Lifters
- 3-piece timing set or gears
- Cam bearings
- Rod bearings
- Main bearings
- Freeze plugs

PIONEER
Performance Products

ENGINE PAINT



AMC Blue Metallic

EN66



Chrysler Blue

T-19-A



Ford-Chrysler Red

T-12-A, T-14-A



Chevy Orange

T-10-A



GM Red

T-25-A



Universal (GM) Black

T-26-A

International Red



Cast Blast

T-58-A



Alum Blast

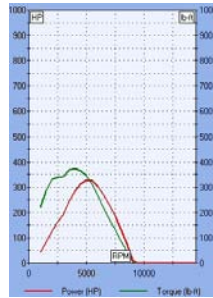
T-66-A

HORSEPOWER ENGINE KITS

Street performance engine kits include: hypereutectic pistons, moly rings, tri-metal bearings, HD timing, cam bearings, oil pump, performance camshaft, lifters, full set gaskets and brass plug kit.



Kit #	Description
GK350-HP1R	Chevrolet 350 1967-79 315 HP
GK350-HP1AR	Chevrolet 350 1980-85 315 HP
GK350-HP1BR	Chevrolet 350 1986-92 315 HP
GK350-HP2R	Chevrolet 350 1967-79 350 HP
GK350-HP2AR	Chevrolet 350 1980-85 350 HP
GK350-HP2BR	Chevrolet 350 1986-92 350 HP
GK383-HP1R	Chevrolet 383 1967-80 385 HP
GK383-HP1AR	Chevrolet 383 1980-85 385 HP
GK383-HP1BR	Chevrolet 383 1986-92 385 HP
GK383-HP2R	Chevrolet 383 1967-79 425 HP
GK383-HP2AR	Chevrolet 383 1980-85 425 HP
GK383-HP2BR	Chevrolet 383 1986-92 425 HP
GK454-HP1R	Chevrolet 454 1970-79 450 HP
FK302-HP1R	Ford 302 1968-82 295 HP
FK351W-HP1R	Ford 351W 1975-83 330 HP



TOP VINTAGE ENGINE KITS

Our kits come complete with:

- Full set of top quality gaskets
- New OE style cast pistons
- Top quality cast piston rings
- Full set of rod and main bearings
- Cam bearings
- New oil pump or kit
- Timing Set with chain and/or both gears
- New OE grind camshaft and new lifters where available



Part #	Application
AK134-AR	1954-65 AMC/Jeep 134 L head 4-cyl [less cam and lifters]
GK401R	1959-61 Buick 401 Nail head
GK365-03R	1958-58 Cadillac 365 V8 Dished
GK235-01R	1959-62 Chevrolet 235 L6, hydraulic
GK348R	1958-61 Chevrolet 348 V8
CK413R	1959-63 Chrysler Passenger 413 w/4-bolt valve covers
FK239-06R	1949-53 Ford 239 L-head V8 [reground cam]
FK312R	1956-60 Ford 312 V8

Many more applications available. Let us build custom kits or supply your valve train or individual parts as need.

MUSCLE ENGINE KITS

Part Number	Application
-------------	-------------

CHRYSLER

- CK340R 1968-71 340 rated at 275HP 10.2:1 C.R., hydraulic cam, 4 bbl carb.
- CK383-02HPR 1967-71, 383 rated at 335HP, 10.2:1 C.R., hydraulic cam, 4 bbl carb.
- CK440-385HPR 1970-72 440 rated at 385HP, 10.5:1 C.R., hydraulic cam, 3x2bbl carbs.

FORD

- FK289-01-271HPR 1965-68 289 rated at 271HP, 9.5:1 C.R., mechanical cam, single 4 bbl. carb.
- FK351CJR 1971-72 351C rated at 340HP, 11:1 C.R., hydraulic cam, single 4 bbl. carb.
- FK351W-69R 1969 351W rated at 290HP, 11:1 C.R., hydraulic cam, 4 bbl carb.
- FK390-03R 1966-69 390 rated at 320HP, 10.1:1 C.R., hydraulic cam, single 4 bbl. carb.
- FK428R 1966-68 428 rated at 345HP, 10.25:1 C.R., hydraulic cam, 4 bbl carb.
- FK429-360HPR 1968-71 429 rated at 360HP, 11:1 C.R., hydraulic cam, single 4 bbl. carb.

CHEVROLET

- GK327-340/360R "Fuelie", 1962-63 327 rated at 340HP-carb., 360HP-F.I., 11.25:1 C.R., mechanical cam.
- GK327-01-375HPR "Duntov 30-30", 1964-65 327 rated at 365HP-carb., 375HP-F.I., 11.25:1 C.R., mechanical cam (except Chevy II).
- GK327-01L79R "350HP-327", 1965-67, 10:1 C.R., hydraulic cam, 4 bbl carb (except Chevy II).
- GK350-10LT1R "LT1", 1969-70 350 rated at 360/370HP, 11:1 C.R., mechanical cam, 4 bbl carb.
- GK350-11LT1R "LT1", 1971-73 350 rated at 330HP, 10:1 C.R., mechanical cam, single 4 bbl. Carb.
- GK350-10L82R L82 "350-350", 1969-70 350 rated at 350HP, 10:1 C.R., hydraulic cam, single 4 bbl. Carb.
- GK396-01L78R "L78", 1968-69 396 rated at 375HP, 11:1 C.R. with closed chamber heads, mechanical cam, single 4 bbl. Carb.
- GK402L78R "L78", 1970 402 rated at 376HP, 11:1 C.R. with closed chamber, mech. Cam.
- GK427-01L71R "L71", 1967-69 427 rated at 425HP single 4 bbl. carb & 435HP 3x2bbl carbs., 11.25:1 C.R. with closed chamber heads, mech. cam.
- GK427-01L88R "L88", 1968 427 conservatively rated at 430HP, 12.5:1 C.R. with closed chamber heads, mechanical cam, single 4 bbl. Carb.
- GK454-LS6R "LS-6", 1970 454 rated at 450HP, 11.25:1 C.R. with closed chamber heads, mechanical cam, single 4 bbl. carb.
- GK454LS6-1R "LS-6", 1971 454 rated at 425HP, 9.25:1 C.R. with open chamber, mech. cam.

OLDSMOBILE

- GK350-02W31R "W-31", 1968-70 350 rated at 325HP, 10.5:1 C.R., hydraulic cam, single 4 bbl. carb and outside air induction.
- GK400-05W30R "442", 1968-69 400 rated at 365HP, 10.5:1 C.R., hydraulic cam, 3x2 bbl carbs with outside air induction.
- GK455-02W30R "W-30", 1970 455 rated at 390HP, 10:1 C.R., hydraulic cam, 4 bbl. carb.

PONTIAC

- GK389-02-360HPR 1966 389 rated at 360HP, 10.75:1 C.R., hydraulic cam, 3x2bbl carbs.
- GK400-01RA3R RAM AIR III", 1967-70 400 rated at 366HP, 10.5:1 C.R., hydraulic cam.
- GK400-01RA4R "Ram Air IV", 1968-70 400 rated at 370HP, 10.75:1 C.R., hydraulic cam, single 4 bbl. carb.
- GK455-05HOR "High Output", 1971-72 455 rated at 330HP, 8.4:1 C.R., hydraulic cam, single 4 bbl. carb.

OE FACTORY SPECS



DESIGNED with factory spec'd parts.
 • Gaskets, rings, rod bearings, main bearings, timing set, oil pump, cam bearings, freeze plugs, camshaft, lifters, pistons and hardware.



APPLICATION



FORD INDUSTRIAL

MASTER ENGINE KIT

Pistons, rings, cam, rod and main bearings, pin bushings, timing set, tensioner, cam, lifters, oil pump, freeze plugs, gaskets.



Part Number Description

- FK079WO-INDR Industrial 1.3 liter 4-cyl., without distributor
- FK098-INDR Industrial 1.6 liter 4-cyl., Bobcat and Skid-steer

SELECT COMPONENTS FOR 1.6L

Part Number Description

- 3200 3-Piece Timing Set
- 8254 Timing Chain Tensioner
- 8255 Timing Chain Tensioner Pad
- POL718 Oil Pump
- V34532 Intake Valves Multi-Groove
- 10-10089S Exhaust Valves Multi-Groove
- 32-1015 In / Ex Valve Springs
- 30-9205 In / Ex Valve Universal Guide



VALVE TRAIN KITS

- Intake & Exhaust Valves
- Springs
- Locks
- Guides (if needed)



Part # Application

- HVK-PER152DB. Allis Chalmers 160 diesel., Massey Ferguson
- HVK-CAS188D ... Case 430, 440, 470, 530, 540, 570, 630, 640 diesel.
- HVK-DTZ115 Deutz 6035, D2506, D2807, D3006, D3607
- HVK-FOR120 Ford 2N, 8N, 9N, 120 gas 3.187" bore
- HVK-FOR134 Ford NAA, 600, 601, 700, 701, 134 gas 3.437" bore
- HVK-FOR401 Ford 7810, 8000, 8210, 8600, 8700, TW5, TW10 diesel
- RPVK-414466..... International Harvester DT436-446
- HVK-JD466T John Deere 466TD Exc 400 series [Includes rotators]
- HVK-CONT145... Massey Ferguson. 135, 150, 230, 235, 245 gas
- HVK-CONT129134A MF TO30, TO35, 35, 40, 50 Z129, Z134 1-grv exh vlv
- HVK-CONT129134B MF TO30, TO35, 35, 40, 50 Z129, Z134 tapered grv exh valve
- HVK-WISVH4D... Wisconsin VH4D-Ford and Massey Ferguson gas

HEAD KITS



- Intake Valves
- Exhaust Valves
- Springs
- Locks
- Guides (if needed)
- Options: Rotators, Seals, Seats



KIT# Application

- ACT-HK201226 ALLIS CHALMERS 201, 226 WC, WD, WD45, W226 4 CYL.
- ACT-HK262G ALLIS CHALMERS G262, D19 6 CYL.
- ACT-HK670 ALLIS CHALMERS 670 HI, D3400, D3500, D3750, 426D 6CYL.
- CAS-HK188D CASE G188D 430, 440, 470, 530, 540, 570, 630, 640 DIESEL 4 CYL.
- CAS-HK451 CASE A-451BD & BDT EXC. MODEL 1070 6 CYL.
- CUM-HK359TD CUMMINS 5.9TD EXC. MARINE, NAT GAS OR ISB; 6 CYL. .5527" GUIDE
- CUM-HK359ISB CUMMINS 5.9 ISB EXC. HI-OUTPUT & 2-FLANGE EX GUIDE 6 CYL.
- CUM-HK611 CUMMINS 611 L10 1991-ON 6 CYL. 24-VALVE DIESEL
- CUM-HK671 CUMMINS 671 M11 1991-ON 6 CYL. 24-VALVE DIESEL
- CUM-HK743 CUMMINS NH743 NH, NR, NT 6 CYL. 12-VALVE DIESEL
- CUM-HK855NT CUMMINS NT855 6 CYL. 12-VALVE DIESEL
- FOR-HK98IND FORD 1.6L INDUSTRIAL MULTI-GROOVE 4 CYL. NO LOCKS INCLUDED
- FOR-HK120 FORD 120 2N, 8N, 9N 4 CYL.
- FOR-HK120R FORD 120 2N, 8N, 9N WITH ROTOTYPE EX. 4 CYL.
- FOR-HK134 FORD 134 GAS 4 CYL.
- FOR-HK158201 FORD 158, 175, 192, 201 GAS & D 1991-ON 4 CYL.
- FOR-HK233268 FORD 233, 256, 268 GAS & D EXCT GEN & T 1991-ON 4 CYL.
- FOR-HK256268T FORD 256-268 DT 1991-ON 4 CYL.
- FOR-HK401 FORD 401 D EXC. GEN & T 1990-ON 6 CYL. DIESEL
- FOR-HK401T FORD 401T 1990-ON 6 CYL. DIESEL
- IHT-HK263 INTERNATIONAL C263 560, 615, 660 (WITH 1.656" INTAKE) 6 CYL.
- IHT-HK263A INTERNATIONAL C263 403, 615 (WITH 1.781" INTAKE) 6 CYL.
- IHT-HK414466 INTERNATIONAL 414, 436, 466 D & DT 1990-ON 6 CYL. DIESEL
- JDR-HK152179 JOHN DEERE 152, 164, 179D/T (W/1.772" INTAKE) 3 CYL.
- JDR-HK239276 JOHN DEERE 239D/T, 4239D/T, 276T, 4276T (W/1.772" INTAKE) 4 CYL.
- JDR-HK270A JOHN DEERE 270, 4270 D (VALVES 6.200+" OAL) 4 CYL. 2-GROOVE
- JDR-HK270B JOHN DEERE 270, 4270 D (VALVES 6.100+" OAL) 4 CYL.
- JDR-HK303359 JOHN DEERE 303, 329, 359D, 6359D (W/1.772" INTAKE) 6 CYL.
- JDR-HK359414 JOHN DEERE 359T, 6359T, 414D, 6414D (W/1.821" INTAKE) 6 CYL.
- JDR-HK404A JOHN DEERE 404 D (VALVES 6.200+" OAL) 4270, 6 CYL. DIESEL 2-GRV
- JDR-HK404B JOHN DEERE 404 D (VALVES 6.100+" OAL) 4270 6 CYL. DIESEL
- JDR-HK404TA JOHN DEERE 404 A & T (1.715" DIA. INT) 4020 6 CYL. DIESEL
- JDR-HK404TB JOHN DEERE 404 A & T (1.750" DIA. INT) 4020 6 CYL. DIESEL
- JDR-HK466 JOHN DEERE 466D, 6466D 6 CYL. DIESEL
- JDR-HK466T JOHN DEERE 466A 6466T 6 CYL. INTERCOOLED TURBO DIESEL
- JDR-HK466T400 JOHN DEERE 466 6 CYL. TURBO DIESEL 6076A, 6086T SERIES 400
- JDR-HK496 JOHN DEER 496 8.1L 6081 POWER TECH 6 CYL. DIESEL
- JDR-HK496R JOHN DEER 496 8.1L 6081 POWER TECH W/ROTATRS 6 CYL. DIESEL
- JDR-HK619TA JOHN DEERE 619T 6619T (W/2.031" INT) to serial #499,999 ITD 6 CYL.
- JDR-HK619TB JOHN DEERE 619T 6101A (W/2.087" INT) from serial #500,000 6 CYL.
- PER-HK236248D PERKINS 4.236D, 4.248D 3.875" BORE, A.C., M.F. 6 CYL. DIESEL SINGLE SPRING; 1.472" EX VALVE

MAJOR OVERHAUL KITS

MAJOR OVERHAUL KITS Include: sleeve assemblies, rod and main bearings and full gaskets.

*J.D. Diesel kits also include cam and balance shaft bearings, pin bushings and rod bolts where required

Part Number _____ Description

ALLIS CHALMERS

- HOK-AC125M B, C, CA B-125 GAS 3.375" bore
- HOK-AC149M D-14,D-15,G149 gas 3.50" bore
- HOK-AC226MA WD-45, G-226 gas 4.125" overbore
- HOK-AC226MB D-17, G-226 gas 4.125" overbore
- HOK-AC670M 670, D3400, D3500, 426 DIESEL 4.25" bore & 1.50" pin



CASE

- HOK-CAS148M 300,310,320, 1955-60 G148 gas 3.375" bore
- HOK-CAS148BM 430,440,470, 1961-70 G148B gas 3.375" bore
- HOK-CAS188DMA G-188D Diesel with wide flange sleeves
- HOK-CAS207MB 207 DIESEL 4.00" bore after serial # 2,869,290
- HOK-CAS451TM A-451BDT Turbo Diesel with combustion bowl piston, 1.625" pin
- HOK-CAS504TMB A504BDT Turbo Diesel with 1.800" pin



FORD

- HOK-FOR120MA 2N,8N,9N, .040 wall, 120 gas 3.187" bore
- HOK-FOR120MB 2N,8N,9N, .090 wall, 120 gas 3.187" bore
- HOK-FOR134MA NAA,600,601,700,701, 53-57 134 gas 3.437" bore
- HOK-FOR172GSM 800,801,900,901,4000, 172 gas 3.90" bore sleeved kit
- HOK-FOR172GNM 800,801,900,901,4000, 172 gas 3.90" bore non sleeved kit
- HOK-FOR256TM 7000,7100,7200,7400,7600,7700, 256T diesel 4.40" bore
- HOK-FOR256DM 256 Diesel 4.40" bore, check catalog applications
- HOK-FOR401TM 401T Diesel 4.40" bore



INTERNATIONAL

- RPOK-113M330A C113-123 3.125" bore "Fire Crater" piston
- RPOK-152M C-152 Farmall H 3.437" overbore w/fire crater piston
- RPOK-248MA C-248 Gas Farmall M to serial #278,049
- RPOK-264M C-264 Super M Gas w/4.125" bore & 1.312" pin
- RPOK-407M D-407, DT-407 Diesel 4.321" bore & 1.50" pin
- RPOK-414TM 1066, 1086 DT-414 Diesel
- RPOK-436TM Tractor DT436



JOHN DEERE*

- HOK-JD219LM 2030, 2440, 2520 219 Diesel 4.02" bore & 1.375" pin
- HOK-JD239M 2350, 2355, 2550, 2555 4-239 Diesel
- HOK-JD270EM 3010, 3020 to serial #123,000 (ex. Blk. 46350/46430)
- HOK-JD276EM 2630, 2640 276 Diesel 4.193" bore
- HOK-JD329LM 2840, 4030 329 Diesel w 4.02" bore & 1.375" pin
- HOK-JD359TM 4050 6-359T Diesel
- HOK-JD404MM 4000, 4020 from serial #215,000 6-404 Diesel
- HOK-JD404EM 4010,4020 to serial #215,000, 6-404 diesel
- HOK-JD466TMA 4440, 4640, 4840, 8430, 8440 466Turbo Diesel 4.56" bore
- HOK-JD531LM 5020, 6020 6-531Diesel
- HOK-JD4039TM 6200,6300, 4039T diesel 4.193" bore
- HOK-JD619TMA 8630 to serial #33,814 6-619T
- HOK-JD6068TM 7400,7600, 6068T diesel 4.193" bore
- HOK-JD6076TMA 77-78-81-82-8300 to serial #9,999 6076T Diesel



MASSEY FERGUSON

- HOK-CONT129M TO30, Z129 gas 3.375" overbore
- HOK-CONT134M 35,TO35,40,50, Z134 gas 3.375" overbore
- HOK-CONT176M 65,165,3165, G176 gas 3.655" overbore
- HOK-PER236TM 390T, 393, 398, 698T, 3070, Perkins T236
- HOK-PER354MM 1100 Perkins 354.1 Diesel



OLIVER

- HOK-WAU283DMB 1650, 1655 283 Diesel AFTER SERIAL #187,585



PREMIUM OVERHAUL KITS

Includes sleeve assemblies (when required), pistons, rings, cam, rod and main bearings, pin bushings, full gaskets and intake and exhaust valves, springs, keepers and guides (when required)

Part Number _____ Description

FORD

- HOK-FOR120PA 8N, 9N Tractor 120 gas with .040" wall sleeves
- HOK-FOR172DSP 801, 901, 4000 172 DIESEL
- HOK-FOR401TP 86-87-8830, 90-96-9800, 401T Turbo Diesel

PERKINS

- HOK-PER236TP T236 Perkins diesel
- HOK-PER354TMP T354.1 Perkins diesel MF
- HOK-PER354OP 354.1 Perkins diesel Oliver
- HOK-PER354WP 354.1 Perkins diesel White



HEAVY DUTY VALVES



EPG #	In/Ex	Engine	Head DIA.	OAL	Stem DIA.	Groove #	Notes, Years
ALLIS CHALMERS							
01-01525S	EX	426	1.651	6.0175	0.37075	1	See catalog
CASE							
01-00690	EX	G188D	1.403	6.3525	0.3404	2	
01-00691	IN	G188D	1.600	6.355	0.3415	2	
CONTINENTAL							
01-01147	EX	F SERIES	1.203	5.172	0.338	1	
01-01148	IN	F SERIES	1.515	5.159	0.341	1	
01-00170	EX	Z,F SER	1.203	5.174	0.3381	D	
01-00486	EX	Z SERIES	1.140	3.990	0.3128	1	Roto type
01-00343	IN	Z SERIES	1.278	3.989	0.3145	D	
01-00810	IN	124/209	1.520	5.176	0.341	D	F Series
FORD IND/ TRT							
01-00220	EX	120	1.281	4.8115	0.341	1	8N
01-00348	EX	134, 172, 192	1.510	4.983	0.34065	1	
01-01695S	EX	256, 401	1.510	5.742	0.3708	2	See catalog
IHC TRACTOR							
01-00313	IN	123	1.342	4.937	0.341	2	
01-01422	EX	414, 436, 466	1.600	5.787	0.37215	1	
01-01423	IN	414, 436, 466	1.970	5.787	0.37215	1	
01-02131	IN	466, 530	1.970	5.992	0.3722	1	12V
JOHN DEERE							
01-01233	EX	152-239	1.575	5.157	0.372	2	3,4,6 Cyl
01-01234	IN	152-239	1.772	5.157	0.372	2	3,4,6 Cyl
01-01588	EX	SARAN	1.673	5.257	0.3095	1	Diesel
01-01589	IN	SARAN	1.835	5.278	0.31	1	See catalog
01-01288	EX	270, 404	1.715	6.227	0.372	2	See catalog
01-01289	IN	270, 404	1.902	6.245	0.372	2	See catalog
01-01377	EX	404, 466	1.715	6.208	0.372	1	See catalog
01-01586	EX	466, 496	1.850	6.174	0.372	1	See catalog
01-01587	IN	466, 496	2.008	6.060	0.373	1	See catalog
01-01403	IN	466	1.715	6.192	0.372	2	Turbo diesel
PERKINS							
01-00873	EX	152, 203, 305	1.313	4.503	0.3115	1	
01-00874	IN	152, 203, 305	1.531	4.498	0.3115	1	
01-00882	EX	236, 248, 354	1.442	4.854	0.3725	1	Gas and diesel
01-00883	IN	236, 248, 354	1.743	4.829	0.373	1	Gas and diesel

IRRIGATION ENGINE KITS

Master Kits for Chevy and Ford



Designed Specifically for Irrigation Applications.

- Pistons
- Rings,
- Cam,
- Rod and
- Main bearings,
- Pin bushings,
- Timing set,
- Tensioner,
- Cam, • Lifters, • Oil pump, • Freeze plugs, • Gaskets.



KIT #	ENGINE	NOTE
FK300-02IRR	300 Ford 66-69	Straight 6
FK300-03IRR	300 Ford 69-5/14/85	Straight 6
FK300-05IRR	300 Ford 5/15/85-86	Straight 6
FK300-06IRR	300 Ford 87-On	Straight 6
FK460IRR	460 Ford Irrigation	
GK350-10IRR	350 Chev 1967-79	2-piece; left dip; flat tappet
GK350-13IRR	350 Chev 1980-85	2-piece; right dip; flat tappet
GK350-18IRR	350 Chev 1986-95	1-piece; flat tappet
GK350-31EIRR	350 Chev 1996-02	Flat tappet conversion
GK350-31IRR	350 Chev 1996-02	1-piece; roller cam
GK454GEN4IRR	454 Chev 1970-90	2-piece
GK454GEN5IRR	454 Chev 1991-95	Gen 5; 1-piece
GK454GEN6EIRR	454 Chev 1996 on	Gen 6 Flat Tappet conversion
GK454GEN6IRR	454 Chev 1996 on	Gen 6; Roller cam

TOP NEW TURBOS

Part Number _____ Description

Dodge/Cummins 5.9L

286TC21003000 94-95 vin C
 286TC21007000 96-98 Auto-trans, non-Calif. 6BT
 286TC21002000 99-02 Man-trans 24-valve ISB vin 6
 286TC21021016000 03-07 24-valve ISB vin F

Ford/International

014TC26159000 04-10 6.0L 32-valve V8 **
 014TC21102100* 08-10 6.4L 32-valve Hi-Pressure ***
 014TC26158000 97-02 7.3L V8 vin F

GMC/Chev

599TC21102000 97-00 6.5L GM-8 vin F & S
 599TC21002000 96-02 6.5L GM-6 Express & Savanah
 599TC21005100* 01-04 6.6L Duramax non-Calif. Vin1
 599TC21007000 07-10 6.6L Duramax vin 6 & 9



Mounting sets, gaskets and service kits also available.

* remanufactured; ** requires mounting set # GS33576

*** requires mounting set # GS33566

MEDIUM-DUTY OVERHAUL KITS

Master kits include:

- Pistons
- Rings
- Oil pump
- Rebuilder gaskets
- Camshaft
- Lifters
- 3-piece timing set or gears
- Cam bearings
- Rod bearings
- Main bearings
- Freeze plugs



CHRYSLER – CUMMINS

HOK-CUM590M 1989-90 5.9 Non Turbo Truck 12 Valve
 CU359R 1989-90 5.9 TD Truck 12 Valve W/O Aftercooler 1 Notch HG
 CU359-01R 1989-90 5.9 TD Truck 12 Valve W/ Aftercooler 1 Notch HG
 CU359-02R 1991-93 5.9 TD Truck 12V Inline Injection Pump 1 Notch HG
 CU359-03R 1991-93 5.9 TD Truck 12V Rotary Injection Pump RD Bowl Piston
 CU359-04R 1994 5.9 TD Truck 12V Inline Injection Pump 1 Notch HG
 CU359-05R 1994-96 5.9 TD Truck 12V Inline Inj Pump Re-Ent Bowl Piston
 CU359-06R 1997 5.9 TD Truck 12V Inline Injection Pump Re-Ent Bowl Piston
 CU359-07R 1998-99 5.9 TD Truck 12V Inline Inj Pump Re-Ent Bowl Piston
 CU359-08R 1998-02 5.9 TD Truck 24 Valve H.O. Engine
 CU359-09R 1999-02 5.9 TD Truck 24 Valve Non-H.O. Engine
 CU359-10R 2003-04 5.9 TD Truck 24 Valve H.O. Engine VIN C
 CU359-10AR 2003-04 5.9 TD Truck 24 Valve ETH Non-H.O. VIN 6
 CU359-11R 2005-08 5.9 TD Truck 24 Valve H.O. Engine VIN C

FORD – INTERNATIONAL

FK363R 2003 6.0 TD Truck 32 Valve VIN P
 FK363-01R 2004-06 6.0 TD Truck 32 Valve VIN P 18MM Head Dowels
 FK363-02R 2004-10 6.0 TD Truck 32 Valve VIN P 20MM Head Dowels
 FK391-03R 2008-10 6.4L Truck 32-valve VIN R
 FK420R 1983-87 6.9 Diesel Truck
 FK445R 1988-94 7.3 Non-Turbo Truck VIN M
 FK445A1R 1993 7.3 TD Truck VIN C
 FK445-AR 1994 7.3 TD Truck VIN K
 FK445-01R 1994- 3/31/99 7.3 TD Truck Direct Injection VIN F
 FK445-02R 4/1/99-03 7.3 TD Truck Direct Injection VIN F

GMC – CHEVROLET

GK381R 1982-91 6.2 Diesel Truck VIN C
 GK381-01R 1982-91 6.2 Diesel Truck VIN J
 GK381-02R 1992-93 6.2 Diesel Truck VIN C
 GK381-03R 1992-93 6.2 Diesel Truck VIN J
 GK395R 1992-93 6.5 TD & Non Turbo Truck
 GK395-01R 1994-96 6.5 TD & Non Turbo Truck
 GK395-02R 1997-02 6.5 TD & Non Turbo Truck
 GK402-01R 2001-04 6.6 TD Truck 32 Valve
 GK402-02R 2005 6.6 TD Truck 32 Valve
 GK402-03R 2006 6.6 TD Truck 32 Valve
 GK402-04R 2007-09 6.6L TD 32-Valve VIN D, 6
 FP-82NAOH 1979-91 GM Detroit Diesel 8.2 Non-Turbo
 FP-82TOH 1979-91 GM Detroit Diesel 8.2 Turbo



Remanufactured
Turbos Available



Turbo
CONCEPTS

IN/OUT FRAME KITS

Includes pistons, pins, rings, gaskets, rod and main bearings.



Out Frame _____ In Frame _____ Description

CAT

456-0131 456-5031 3406B Direct Injection

CUMMINS

409-1012 409-5012 4BT3.9 Turbo Diesel
 409-1015 409-5015 6BT5.9 Turbo Diesel
 409-1020 459-5020 855 NT Big Cam

DETROIT

468-1010 468-5010 6V92T

IHC

489-1004 489-5004 DT466



HEAVY DUTY ENGINE STAND

- Rated at 2,500 lbs
- 360o Rotation
- Adjustable Height
- Adjustable Angle
- 60:1 gearbox
- Removable Dolly
- Steel Wheels
- Weight 350 lbs
- Made in USA



ORDER, Engine Stand, # HE1002

Adapter Plates Available for: JD; IH; Cummins or blank plate.

HEAVY DUTY VALVES



EPG #	In/Ex	Engine	Head DIA.	OAL	Stem DIA.	Groove #	Notes, Years
CATERPILLAR							
01-01579S	EX	268, 403	1.575	6.961	0.315	1	See catalog
01-01580	IN	268, 403	1.850	6.976	0.315	1	See catalog
01-01497S	EX	174, 636	1.805	5.683	0.3715	2	See catalog
01-01379	IN	174, 636	2.093	5.698	0.3725	2	See catalog
01-01205S	EX	425, 638	1.896	5.469	0.3717	2	See catalog
01-01761S	EX	425, 638	1.896	5.308	0.3717	2	See catalog
01-01760S	IN	425, 638	2.020	5.371	0.3717	2	See catalog
01-02161S	IN	442	1.575	7.209	0.315	1	18V
01-01581S	EX	629-732	1.654	6.850	0.3717	2	See catalog
01-01582S	IN	629-732	1.772	6.850	0.3717	2	24 V
01-01468S	EX	893+	1.646	7.141	0.3717	2	
01-01632S	EX	893 +	1.646	7.140	0.3717	2	
01-01831S	EX	893+	1.646	7.250	0.3717	2	
01-01462S	IN	893 +	1.771	7.140	0.3717	2	
01-01830S	IN	893+	1.771	7.250	0.3717	2	
01-01857S	IN	893+	1.771	7.140	0.3717	2	893, 1099,1649
CUMMINS							
01-01664	EX	239, 359	1.653	5.083	0.3135	1	1.653 Head
01-01665	IN	239, 359	1.775	5.083	0.3135	2	1.775 Head
01-02254	EX	505	1.811	5.942	0.3736	1	6C Series 12V
01-02255	IN	505	2.047	5.952	0.3736	1	6C Series 12V
01-01663	IN	611	1.673	7.690	0.3789	1	With + on head
01-00602S	EX	855	1.875	7.066	0.4505	2	Exc. N-14
01-01659S	EX	855	1.870	7.726	0.3789	1	N-14
01-01721S	EX	855	1.875	7.115	0.4505	2	NH,NT Series
01-00603	IN	855	1.875	7.066	0.4505	2	Exc. NTA
01-01756	IN	855	1.870	7.750	0.3789	1	See catalog
01-01660	IN	855	1.870	7.723	0.3789	1	N-14
01-02263S	EX	915	1.790	8.810	0.3789	1	24-V Turbo
01-02262	IN	915	1.870	8.502	0.3789	1	24-V Turbo
DETROIT DIESEL							
01-13001	EX	50/60 SER	1.556	8.497	0.3429	1	519, 775, 858
01-01018	EX	53 SER	1.090	5.5515	0.2483	1	4-Valve
01-01566	EX	60SER	1.576	8.498	0.3421	1	See catalog
01-01567	IN	60SER	1.732	8.498	0.3421	1	See catalog
01-01500	EX	71 SER	1.180	5.529	0.3103	1	See catalog
01-01366	EX	92 SER	1.380	5.528	0.3103	1	See catalog
MACK							
01-01570	EX	672	1.570	6.872	0.3715	1	Early

IN / OUT FRAME KITS



- Detroit Diesel • Cummins
- Caterpillar • Navistar

Part Number _____ Description

In Frame

MCIF3406SP Caterpillar 3406
 A-8V92-XHT Detroit 8V92 turbo
 MCIF466-4-L Navistar 466 4-ring
 MCB2882123 Cummins ISX Ind/ GenSet

Out of Frame

MCOH7791-6 Caterpillar 3116
 MCOH3304 Caterpillar 3304
 A-OH8925818-T-9 Detroit 8.2L



IN-FRAME KITS

Typical In-frame kits include:

Pistons, Rings, Pins & Retainers,
 Cylinder Liners and O-rings,

Connecting Rod Bearings, Main Bearings, Head Gasket Set, Oil Pan Gasket Set



Part Number _____ Description

CAT

FP-IFK3208 3208
 FP-IFK3306 3306
 FP-IFK3406 3406

CUMMINS

FP-IFK359T 5.9 BT
 FP-IFK855PREM..... 855 Premium

DETROIT Inc rocker cover gasket

FP-IFK453 4-53
 FP-IFK8V92..... 8V92

INTERNATIONAL

FP-IFKDT466E DT466E





NEW

We're Diesel Specialists



TURBO DIESEL OIL DP40

BORN FROM JOE GIBBS RACING
DRIVEN
RACING OIL™



Turbocharged diesel engines require robust anti-wear protection. These high output engines need defense against high temperatures. Driven DP40 delivers enhanced film thickness as well as increased anti-wear additives. Ideal for diesel equipped tow vehicles. Viscosity typical of 5W-40.

ORDER Part # 02525 Case of 4 1-GALLON BOTTLES

HYDRAULIC ROLLER LIFTERS

High Performance version of the B-2104 with direct oiling to the roller and slow leak-down internals.



Part # Applications

B-2104SE GM 6.2 & 6.5L Diesel 1982-2002
Ford 6.9 & 7.3L Diesel 1983-2003

PERFORMANCE H-SERIES BEARINGS



Rod Bearing # Main Bearing #

Dodge Cummins 5.9L & 6.7L Fractured RODS
CB-1873H MS1717H STD, X, .026MM, .25MM

Dodge Cummins 5.9L MACHINED RODS
CB1413H MS1717H STD, X, .026MM, .25MM

GM 6.6L Duramax
CB-1805 MS2218H TW-610S STD, X, .026MM, .25MM



NEW BARE CYLINDER HEADS



NOW AVAILABLE

Ford 6.0L
18mm dowel cylinder heads.



2003-06 6.0L diesel with casting # 1843080C1 - C4 Part # FD60D18MM

MLS HEAD GASKETS

VICTOR REINZ®

Sealing Products

"Black Diamond tm" Coated 5-Layer Multi-Layer Steel Head Gaskets for Ford Powerstroke engines.

*Additional layer helps reduce head lift to maintain a superior combustion seal.

*Utilizes patented integrated pushrod locators.

*Coated with a Victor Reinz proprietary fluorelastomer coating.

Part # Applications

2003-05 6.0L 18MM DOWEL

54450A Head Gasket 2-required
HS54450 Head Set with Head Gaskets
CS54450 Conversion Set

2004-10 6.0L 20MM DOWEL

54579A Head Gasket 2-required
HS54579 Head Set with Head Gaskets
CS54450 Conversion Set

2008-10 6.4L

54657 Head Gasket 2-required
HS54657 Head Set with Head Gaskets
CS54657 Conversion Set



BLOCK & HEAD SAVER SHIMS

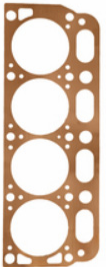
INNOVATIVE

MACHINE

Block & Cylinder Head Saver Shims for Mid-Size Diesel
0.020" spacer shims; also available in .030, .040 & .060" thickness

Part # Applications

HSCH59D (1)Dodge/Cummins 5.9L 12-V 90-98 vin 8, C, D
HSCH59DA (1)Dodge/Cummins 5.9L 24-V 03-09 vin 6, C
HSFO60 (2)Ford 6.0L 18mm 03-06 VT365
HSFO60-20 (2)Ford 6.0L 20mm 05-10 VT365
HSFO73D (2) Ford 7.3L 88-94 4.795 min.-4.805" head thickness
HSFO73DA (2)Ford 7.3L 95-02 5.095 min.-5.105" head thickness
HSGM65D (2)GM 6.5L 92-98 3.853 min.-3.863" head thickness
HSGM66D (2)GM 6.6L Duramax 01-07





MLS HEAD GASKETS



Part # Compressed Thickness Application

C5955-060 .060" Dodge Cummins 5.9L 12-Valve Thru MID-98
C5855-060 .060" Dodge Cummins 5.9L 24-Valve 1998-02
C5839-066 .066" Ford 7.3L Powerstroke 1994-03
C5885-045 .045" GM 6.5L Diesel 1991-95 Passenger Side
C5884-045 .045" GM 6.5L Diesel 1991-95 Driver Side
C5882-040 .040" GM Duramax 6.6L 2001-06 Passenger Side
C5883-040 .040" GM Duramax 6.6L 2001-06 Driver Side

PUSH RODS

Part #	Engine	Lngh	Note
 			
CUMMINS			
3/8" diameter with .083" wall. Also available in .121" and .145" wall thickness and custom lengths. O.E.M. pushrod is approximately .049" wall.			
NH38A-EB-10.700	5.9L 12-VALVE	10.700	requires 12
NH38A-56-11.232	5.9L 24-VALVE	11.232	requires 12
FORD 5/16"			
5/16" diameter with .116" wall. Also available in custom lengths.			
NH5116B-DD-9.850	6.0L POWERSTROKE	9.850	requires 16
NH5116B-DD-9.800	6.4L POWERSTROKE	9.800	requires 16
NH5116B-DQ-9.398	6.7L POWERSTROKE	9.398	requires 32
FORD 3/8"			
3/8" diameter with .083" wall. Also available in .121" and .145" wall thickness and custom lengths			
NH38B-DD-10.250	7.3L POWERSTROKE	10.250	requires 16
GM			
3/8" diameter with .083" wall. Also available in .121" and .145" wall thickness and custom lengths.			
NH38B-3N-9.219	6.6L DURAMAX	9.219	requires 16

PERFORMANCE VALVE SPRINGS

All three designed to be "drop-in" replacements with additional spring pressure for performance applications



Part #	Closed Pressure	Open Pressure	Free Length	Application
52-4053	105# @ 1.390"	180# @ 1.060"	1.890"	CUM 5.9L 24-valve
52-4040	84# @ 1.880	230# @ 1.440"	2.170"	Ford 6.0-6.4L
52-4041	102# @ 1.620	200# @ 1.250"	2.200"	GM 6.6L Duramax

FASTENERS

Part #	Application
ROD BOLTS - ARP2000	
230-6301	GM Duramax 6.6L
247-6303	Dodge Cummins 5.9L 12 & 24-V Angled CAP ROD
250-6301	Ford 6.0L & 6.4L Powerstroke
250-6302	Ford 7.3L Powerstroke 2001-03
MAIN STUDS - 8740 Material	
247-5402	Dodge Cummins 5.9L 12-Valve Thru 1997
247-5401	Dodge Cummins 5.9L 12 & 24-Valve 1998-03
247-5403	Dodge Cummins 5.9L & 6.7L 24-Valve 2004-ON
250-5801	Ford 7.3L Powerstroke 1993-03 4-Bolt
230-5401	GM Duramax 6.6L (LB7, LLY, LBZ, LMM) Thru 2005
230-5402	GM Duramax 6.6L (LB7, LLY, LBZ, LMM) 2006-ON
HEAD STUDS - ARP 2000 & Custom Age Material	
ARP 2000	Custom Age Application
247-4206	NA Dodge Cummins 3.9L 8-Valve 4BT
247-4203	247-4205 Dodge Cummins 5.9L 12-Valve 1989-98
247-4202	247-4204 Dodge Cummins 5.9L & 6.7L 24-Valve 1998-ON
250-4202	250-4205 Ford 6.0L Powerstroke
250-4203	NA Ford 6.4L Powerstroke
250-4204	NA Ford 7.3L International 1988-94
250-4201	NA Ford 7.3L Powerstroke 1993-03
230-4201	230-4202 GM Duramax 6.6L 2001-ON (LB7, LLY, LBZ, LMM)



PISTON KITS

Piston of the future !
Unbreakable !



Part #	Cu In	Bore	Crown Vol	C.R. Approx.	Pocket Depth
Cummins 5.9L B-SERIES CAST HP PISTONS 12-Valve					
Early 12 Valve and marine-style bowl, short pin design					
Stock 4.724" stroke, 7.559" rod, 1.575" pin and 2.817" comp. hgt.					
930036315	359	4.015	-47.1cc	16.5:1	
930036335	362	4.035			16.6:1
930036355	366	4.055			16.8:1
930036515	359	4.015	-52.3cc	15.3:1	
930036535	362	4.035			15.5:1
930036555	366	4.055			15.6:1
930036415	359	4.015	-54.1cc	14.9:1	0.150"
930036435	362	4.035			15.1:1
930036455	366	4.055			15.2:1
930036615	359	4.015	-59.2cc	14.0:1	0.150"
930036635	362	4.035		14.1:1	
930036655	366	4.055		14.3:1	
Includes (6) S41518 ring sets					

Cummins 5.9L B-SERIES FORGED STEEL MONOTHERM

2003 - 04 24-Valve Commonrail. Comp Hgt. reduced .010". Modified bowl. Stock 4.724" stroke, 7.559" rod, 1.575" pin and 2.804" comp. hgt.

930036715	359	4.015	-48.6cc	15.8:1	0.075"
930036735	362	4.035		16.0:1	
930036755	366	4.055		16.1:1	

2004-1/2 - 07 24-Valve Commonrail. Comp Hgt. reduced .010". Modified bowl. Stock 4.724" stroke, 7.559" rod, 1.575" pin and 2.804" comp. hgt.

929969315	359	4.015	-48.6cc	15.8:1	0.075"
929969335	362	4.035		16.0:1	
929969355	366	4.055		16.1:1	
Requires (6) S41518 ring sets. DLC coated pins included (425g)					

GM Duramax 6.6L CAST PERFORMANCE

Replacement for LB7, LLY, LBZ, LMM. Improved Crown thickness. Perf bowl. Stock 3.898" stroke, 6.417" rod, 1.358" pin and 1.358" comp. hgt.

930036055	403	4.055"	-40.7cc	16.7:1	
930036075	407	4.075"		16.8:1	
930036095	411	4.095"		17.0:1	
930029855	403	4.055"	-41.8cc	16.3:1	0.075"
930029875	407	4.075"		16.5:1	
930029895	411	4.095"		16.6:1	
Includes 41909 ring set					

GM Duramax 6.6L Forged Aluminum Race Pistons

Replacement for LB7, LLY, LBZ, LMM. Improved Crown thickness. Perf Bowl. Stock 3.898" stroke, 6.417" rod, 1.358" pin and 1.358" comp. hgt.

930036255	403	4.055"	-41.8cc	16.3:1	0.075"
930036275	407	4.075"		16.5:1	
930036295	411	4.095"		16.6:1	
Requires 41909 ring set and additional top ring 9298989xxx					

CUSTOM ORDER PISTONS

9299430XX	Cummins 5.9L B-SERIES Forged Aluminum Race, 12/24-Valve				
9299013XX	Ford 6.0L Powerstroke Forged Aluminum Race Pistons				
9300602XX	Ford 6.4L Powerstroke Forged Aluminum Race Pistons				
9299093XX	Ford 7.3L Powerstroke Forged Aluminum Race Pistons				
9299466XX	GM Duramax 6.6L Forged Aluminum Race Pistons				
9299233XX	GM Duramax 6.6L Cast Performance Pistons				

MARINE ENGINE KITS

Feature: coated pistons, rings, rod, main, cam bearings, gasket set, 16 lifters, camshaft, timing set, oil pump, hardware kit and brass freeze plugs.

Part Number _____ Application

- FK224-MARR Mercury Marines Models 165,170,180,190,470,485,488 Dish Top Piston
No Timing Sprockets - Exp. Plugs
- FK224-MAR1R Mercury Marines Models 165,170,180,190,470,485,488 Flat Top Piston
No Timing Sprockets - Exp. Plugs
- GK181-MARR..... Mercury Marine -140 HP 2pc rear seal
- GK181-MAR2R..... Mercury Marine -140 HP 1pc rear seal
- GK262-MAR2R..... Mercury Marine -205 HP 1pc rear seal Roller Cam - w/o Balance Shaft
- GK350-MAR2R..... Mercury Marine -250,255,260 HP 2pc rear seal Hydr. Lifter - Flat Top Piston
- GK350-MARR..... Mercury Marine -250,255,260 HP 2pc rear seal Hydr. Lifter - Dish Top Piston
- GK350-MAR1R..... Mercury Marine -250,255,260 HP 1pc rear seal Hydr. Lifter - Dish Top Piston
- GK454-MARR..... Mercury Marine -330, 454 Bravo 2pc rear seal - Hydr. Lifter, Flat Top Piston - Gen IV only



APPLICATION

INCONEL VALVES



Exotic alloy designed for high heat marine
One piece, swirl polished, hard tip



BB Chevy Part #	Head Dia	Stem Dia	Installed Height	Overall Length	Tip Length
01-4301	1.890	3/8	+0.048	5.400	.250
01-4312	1.880	11/32	+0.098	5.450	.250
01-4313	1.900	11/32	+0.098	5.450	.250

TIMING SETS



Kit # _____ Description

3-PIECE TIMING SETS

- 3028..... Chrysler, 318-360
- 3057..... Ford 302-351W
- 3023..... GM, 4.3L, 283, 305, 327, 350
- 3024..... GM, 427, 454 Gen IV
- 3180..... GM 502

TIMING GEARS

- 2534..... 350 reverse rotation - cam gear
- 2535..... 350 reverse rotation - crank gear
- 2532S 366-427 reverse rotation set

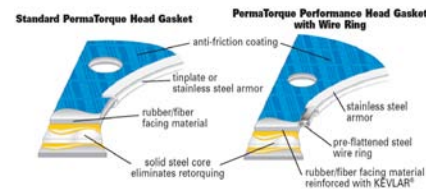
BRASS FREEZE PLUGS



Kit # _____ Description

- MPE104BR..... GM 153 / 2.5L, 181 / 3.0 , 250
- MPE185BR..... GM 262 / 4.3L
- MPE100BR..... GM Chevy small block
- MPE102BR..... GM Chevy big block Gen IV
- MPE275BR..... GM Chevy big block Gen V & VI, 502
- MPE110BR Ford 302, 351W
- MPE125BR..... Ford 429, 460
- MPE113BR Chrysler 318, 360
- MPE114BR Chrysler 440

MARINE GASKETS



Chevy 2.5L 153 3.0L 181 L4

- 17200 Head Set
- 17000 Head Gasket
- 17100 Conversion Set Std rot, 4 pc pan gasket, 2 pc rear seal
- 17101 Conversion Set Std rot, 1 pc molded rubber pan gasket, 2 pc rear seal
- 17102 Conversion Set Std rot, 1 pc molded rubber pan gasket, 1 pc rear seal

Chevy 4.3L 262 V6

- 17210 Head Set Eng w/o balance shaft
- 17211 Head Set Eng w/ balance shaft, steel timing cover wo late Vortec MS set
- MS95817 Intake Gasket Late Vortec
- 17010 Head Gasket
- 17110 Conversion Set Eng w/o balance shaft, std rot, 2 pc rear seal, 4 pc pan gasket
- 17116 Conversion Set Eng w/ balance shaft, std rot, 1 pc rear seal, 1 pc pan gasket, steel timing cover

Chevy 5.0L 305 V8

- 17220 Head Set Eng w/ Rim Bolt valve covers
- 17224 Head Set Eng w/ Center Bolt valve covers, plastic intake gasket NA
- MS90131 Intake Gasket Plastic with plenum
- 17020 Head Gasket
- 17120 Conversion Set Std Rot, 2 pc rear seal, 4 pc pan gasket
- 17125 Conversion Set Std Rot, 1 pc rear seal, 1 pc pan gasket 1

Chevy 5.7L 283 327 350 V8

- 17230 Head Set Eng w/ Rim Bolt valve covers
- 17214 Head Set w/ Center Bolt valve covers Exc. GEN+ Eng
- 17232 Head Set GEN+ Eng with plastic intake gaskets
- 17030 Head Gasket
- 17120 Conversion Set Std Rot, 2 pc rear seal, 4 pc pan gasket
- 17124 Conversion Set Eng w/ plastic T cover Std Rot, 1 pc rear seal, 1 pc pan
- 17125 Conversion Set Eng w/o plastic T cover Std Rot, 1 pc rear seal, 1 pc pan

Chevy 7.4L 454 V8

- 17240 Head Set Gen IV Eng exc. H.O. w/ Oval Intake Ports
- 17242 Head Set Gen V Eng exc. EFI or H.O. w/ Oval Intake Ports
- 17243 Head Set Gen V H.O. w/ Rectangular Intake Ports
- 17242 Head Set Gen VI Exc. EFI or H.O. w/ Oval intake ports
- 17205 Head Set Gen VI EFI
- 17040 Head Gasket Gen IV Except H.O.
- 17042 Head Gasket Gen V, VI
- 17140 Conversion Set Gen IV, Std Rot, 2 pc rear seal, 4 pc pan gasket
- 17145 Conversion Set Gen V, Std Rot, 1 pc rear seal, 1 pc pan gasket
- 17146 Conversion Set Gen VI, Std Rot, 1 pc rear seal, 1 pc pan gasket

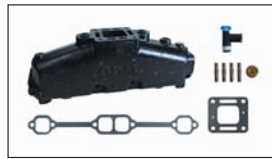
Many other Fel-Pro Marine Gaskets and Gasket sets available at similar savings.

MARINE MANIFOLDS & ELBOWS



3 Year Manufacturer's Warranty

MERCURISER MANIFOLDS



51230



51220



51240

Part # Application / Description

51220	.....	Mer cruiser V6 229/262 Manifold
51230	.....	Mer cruiser V8 305/350 Manifold
51240	.....	Mer cruiser V8 454/502 Manifold

MERCURISER ELBOWS



51140



51110

Part # Description

51140	.....	3" Elbow 7 degree
51110	.....	4" Elbow 15 degree

NEW WATER PUMPS FOR MERCURISER

- Machined Brass Impeller
- Stainless Steel Seal Cup and Spring
- Epoxy Painted Pump Housing
- Bi-Directional and Balanced
- Stainless Steel Backing Plate
- Stainless Banded Ceramic Seal Seat



15100

15201

Part # Application

15100	.....	Chevy 4 & 6 Cyl Inline 153 181 250
15201	.....	Chevy V6 & V8 Small Block 229 262 305 350
15301	.....	Chevy V8 Big Block 402 427 454



15301

MANIFOLDS

These marine intake manifolds feature a brass lined front water crossover and two brass flange inserts to cover the rear water openings in the cylinder heads. The brass lined crossover and inserts protect the aluminum from salt water corrosion.



Part # Applications

2504	.....	262-400 Chevy 1955-86
2506	.....	262-400 Chevy 1987-95
2516	.....	262-400 Chevy w 1996-later Vortec L31 iron heads
2561	.....	396-502 Chevy w large oval-port heads (1975 and earlier)

PANS & COVERS



Kit #	Description
OP262M	..... 95-99 Chevrolet 4.3L V6 oil pan (steel)
OP350M	..... 86-96 305 / 350 oil pan marine
6501M	..... 80-85 305 / 350 oil pan marine
6500M	..... 55-79 Chev SB V8 oil pan marine
VC350M	..... pre 85 Chevrolet small block valve cover set / 2 holes per side
VC352L	..... 85 & Up Chevrolet SB (vortec) valve cover set / 2 holes per side
TC350M	..... 86 - 95 Chevrolet small block timing cover (steel)
500350WO	..... 305-350 Vortec plastic timing cover w/o sensor hole
500262WO	..... 262 V6 plastic timing cover w/o sensor hole



CASTINGS

Part # Description

CYLINDER HEADS

GMH30M	.....	74-92 Chevrolet 181 casting 485, 514, 964
GMH43V	.....	96-01 Chevrolet 262 casting 113, 114, 140, 772
GMH50V	.....	96-00 Chevrolet 305 casting 059, 113, 520
GMH57HPM	.....	87-92 Chevrolet 350, casting: 083, universal replace in pairs
GMH82HPM	.....	96-On Chevrolet 502 GEN VI HP, casting: 934, 088



4.3L V6 MARINE BARE BLOCK CORE

Block has been baked, blasted, magnafluxed. Drilled for mechanical fuel pump. Ready for machining.
BL262U GM 4.3L roller cam V-6 bare block core.



MARINE CAMSHAFTS



Part # Cam Lift Intake Exhaust

CHEVROLET V8, 1957-02

262, 267, 283, 302, 305, 327, 350, 400 C.I.

22124	Hyd std rotation	.267	.273
22125	Hyd gear drive reverse rotation	.267	.273
22221	Factory hyd roller std rotation	.289	.300

366, 396, 402, 427, 454 C.I.

22216	Hyd std rotation	.270	.282
22217	Hyd gear drive std rotation	.270	.282
22219	Hyd std rotation	.300	.300
22218	Hyd gear drive reverse rotation	.270	.282
22220	Hyd gear drive reverse rotation	.300	.300
MC1316	Factory hyd roller std rotation	.282	.284
22223	Factory hyd roller std rotation	.284	.284

FORD V8, 1962-95

221, 255, 260, 289, 302 C.I.

24106	Hyd std rotation	.238	.247
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351W, 302 H.O.

SYB-35	Hyd std rotation	.278	.283
24107	Hyd std rotation	.260	.278
24209	Hyd chain drive reverse rotation	.278	.283

429, 460, C.I.

24213	Hyd std rotation	.285	.290
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MUSCLE ENGINE KITS



Feature: forged spec'd pistons; rings; rod, main, cam bearings; gasket set; spec'd cam-shaft; lifters, timing kit; oil pump; hardware.

GK327-340/360R Chevrolet 327 "Fuelie", 1962-63 rated at 340HP-carb., 360HP-F.I., 11.25:1 compression ratio, O.E. cam reference # 3736097 mechanical

GK327-01-375HPR Chevrolet 327 "Duntov 30-30", 1964-65 rated at 365HP-carb., 375HP-F.I., 11.25:1 compression ratio, O.E. cam reference #3849346 mechanical (Chevy II requires different oil pump)

GK327-01L79R Chevrolet 327 L79 "350HP-327", 1965-67 rated at 350HP, 10:1 compression ratio, O.E. cam reference #3863151 hydraulic, single 4 bbl. Carb (Chevy II requires different oil pump)

GK350-10LT1R Chevrolet 350 "LT1", 1969-70 rated at 360/370HP, 11:1 compression ratio, O.E. cam reference #3972178 mechanical, single 4 bbl. carb

GK350-11LT1R Chevrolet 350 "LT1", 1971-73 rated at 330HP, 10:1 compression ratio, O.E. cam reference #3972178 mechanical, single 4 bbl. carb

GK350-10L82R Chevrolet 350 L82 "350-350", 1969-70 rated at 350HP, 10:1 compression ratio, O.E. cam reference #3896962 hydraulic, single 4 bbl. carb

VALVES



Part # Description

01-004001.5" Exh-early
01-01192.....1.5" w/ chrome stem
01-01206S...1.5" chrome stem & stellite face-marine

01-009191.60" Exh.
01-01193.....1.72" Int
01-013931.84" Int
01-01195.....1.94" Int
01-009882.02" int



VALVE SPRINGS



STOCK DIAMETER SPRINGS

Part # Dia Closed Pressure Open Pressure Coil Bind

ENGINE PRO

02-1000-16 1.250" 80# @ 1.700 200# @ 1.250 1.150
02-1001-16 1.250" 110# @ 1.700 285# @ 1.210 1.160
02-1002-16 1.250" 135# @ 1.750 325# @ 1.200 1.160
02-1016-16 1.255" 130# @ 1.750 358# @ 1.250 1.100

ELGIN

RV-1943XS 1.250" 135# @ 1.750 325# @ 1.200 1.160
RV-9915XS 1.260" 130# @ 1.800 350# @ 1.200 1.160

COMP

981-16 1.254" 105# @ 1.700 294# @ 1.200 1.150
941-16 1.255" 130# @ 1.750 403# @ 1.150 1.100

PAC RACING

PAC-1200 1.244" 135# @ 1.750 350# @ 1.250 1.100
PAC-1201 1.260" 140# @ 1.750 410# @ 1.200 1.115

RETAINERS



Part # Dia Diameter-2 Diameter-3 Stem Degree Note

ENGINE PRO

03-1000-16 1.245" 0.865 0.680 11/32 7 4140
03-1001-16 1.245" 0.865 0.680 11/32 7+.050 installed hgt.

ELGIN

ER-3974R 1.200" 0.800 0.650 11/32 7 stamped
ER-3975R 1.200" 0.870 0.690 11/32 7 4140
ER-3976R 1.200" 0.870 0.690 11/32 7+.100 installed hgt.

COMP

742-16 1.230" 0.870 0.650 11/32 7 4140
750-16 1.240" 0.870 0.735 11/32 10 4140

SCREW-IN-STUDS



Part#	Mfg	Length Above Head	Upper Thread	Base Length	Description
RDS-2920-16	Elgin	1.725	3/8	0.600	190,000psi
RM-651-16	Pioneer	1.725	3/8	0.680	Stock
RM-382-16	Pioneer	1.750"	7/16	0.700	Stock BB Chev
06-1100-16	Engine Pro	1.750"	3/8	0.680	8740
06-1101-16	Engine Pro	1.750"	7/16	0.680	8740 7/16 top
06-1102-16	Engine Pro	1.895"	3/8	0.710	roller rockers
134-7101	ARP	1.750"	3/8	0.700	8740
134-7104	ARP	1.895"	3/8	0.710	roller rockers
134-7103	ARP	1.770"	7/16	0.700	8740 7/16 top
134-7201	ARP	1.750"	3/8	0.600	Vortec w/8mm base

HEAD BOLTS



Complete Engine sets

Part # Application
HB350N 1955-97 all with 5/8" bolt heads
EHC99S 1996 on with 1/2" bolt heads
EHC99K same 1/2 engine set
134-3601 OE and most 23 degree aftermarket heads, includes washers

CAMSHAFTS



PERFORMANCE HYDRAULIC ROLLER CAMS 1987-ON

305 & 350 with factory hydraulic roller lifters



Part #	Dur @ .050 Int/Exh	Adv Dur Int/Exh	Vlv Lift Int/Exh	Lobe Sep Int/Exh
22131	207 214	271 280	.410 .427	117 117
22221	197 206	261 276	.433 .450	105 114
22280	220 224	283 287	.495 .502	107 113
22298	222 232	297 307	.478 .501	109 119
22397	234 238	296 300	.538 .546	107 117

RETRO-FIT HYDRAULIC ROLLER CAMS 1957-94

262, 267, 283, 302, 305, 327, 350, 400 C.I.



Part #	DUR @ .050" INT EXH	ADV. DUR INT EXH	VALVE LIFT INT EXH	LOBE SEP INT EXH
22135	206 214	265 274	.470 .490	108 116
22136	215 230	260 270	.470 .480	106 114
22237	215 224	284 296	.470 .490	108 116
22238	215 215	284 284	.470 .470	106 114
22398	234 238	296 300	.538 .546	107 117

ELGIN

E-1230-P 198 210 273 288 .435 .462 108 116
E-1231-P 202 202 275 275 .458 .458 100 108
E-1232-P 210 215 288 284 .462 .470 106 114

LIFTERS

Part# Application

AT992B842" mechanical FMC
HT817B842" hydraulic FMC
HT2148B SBC factory hydraulic roller FMC
J817DELPHI..... OE hyd hard wafer bottom
17-5372-16 SBC retro-fit hydraulic roller EPG
HT817RB hyd anti-pump up FMC
812-16842" Hyd. COMP
858-16 Hyd anti-pump up COMP
84000-16 Race hydraulic COMP
813-16842" mechanical COMP
2900-16 Mechanical Perf. Series COMP
2901-16 Mech. w/EDM hole COMP



MUSCLE ENGINE KITS

Feature: forged spec'd pistons; rings; rod, main, cam bearings; gasket set; spec'd camshaft; lifters, timing kit; oil pump; hardware. Upgrades available.



GK396-01L78RChevrolet 396 "L78", 1968-69 rated at 375HP, 11:1 compression ratio with closed chamber heads, O.E. cam reference #3863143 mechanical, single 4 bbl. carb

GK402-L78RChevrolet 402 "L78", 1970 rated at 376HP, 11:1 compression ratio with closed chamber heads, O.E. cam reference #3863143 mechanical, single 4 bbl. carb

GK427-01L71RChevrolet 427 "L71", 1967-69 rated at 425HP single 4 bbl. carb & 435HP 3x2bbl carbs., 11.25:1 compression ratio with closed chamber heads, O.E. cam reference #3863143 mechanical

GK427-01L88RChevrolet 427 "L88", 1968 conservatively rated at 430HP, 12.5:1 compression ratio with closed chamber heads, O.E. cam reference #3928911 (3925535) mechanical, single 4 bbl. carb

GK454-LS6R.....Chevrolet 454 "LS-6", 1970 rated at 450HP, 11.25:1 compression ratio with closed chamber heads, O.E. cam reference #3863143 mechanical, single 4 bbl. carb

GK454-LS6-1R.....Chevrolet 454 "LS-6", 1971 rated at 425HP, 9.25:1 compression ratio with open chamber heads, O.E. cam reference ##3863143 mechanical, single 4 bbl. carb

VALVE SPRINGS



FACTORY PERFORMANCE AND RV CAMS

Part #	Inst Hgt.	Outside Dia.	Inside Dia.	Closed Pressure	Open Pressure	Coil Bind
02-0816X-4	1.880	1.512	1.082	84-96#@1.880	210-230#@1.460	1.340
32-815-D	1.880	1.548	1.082	94-106#@1.880	303-327#@1.380	1.350
32-1009	1.880	1.500	1.080/.803	90#@1.880	280#@1.380	1.280
02-1005-16	1.800	1.476	1.100	109#@1.800	317#@1.300	1.140

SCREW-IN STUDS

7/16" Upper Thread with Hex



Part #	Manu.	Above Head		Base Thread	Note
		Length	Length		
RM-382-16	Pioneer	1.750"	0.800	7/16-14	Stock
06-1103-16	Engine Pro	1.750"	0.800	7/16-14	8740 chrome moly
135-7101	ARP	1.750"	0.800	7/16-14	8740 chrome moly
235-7202	ARP	2.000"	1.3; .820	7/16-14	Dart aluminum
135-7202	ARP	2.350"	0.850	7/16-14	Aluminum heads
135-7102	ARP	1.900"	0.750	3/8-16	Mark V
135-7201	ARP	1.750"	0.750	M10x1.50	496/8.1L

ROTATOR ELIMINATOR



Part #	Thickness	O.D.	Spring O.D.	Spring I.D.	Note
03-4000-8	0.300	1.732	1.568	0.623	std
4779-8	0.300	1.732	1.568	0.623	std
4698-8	0.300	1.732	1.468	0.630	Beehive

ADJUSTABLE ROCKER ARM KIT



MARK V & IV

Converts late model engines to adjustable valve train.

Part #	Kit Description
4514-KIT	(16) 4514 studs, 4514SP spacers and 1401-N nuts

HEAD BOLTS



Part#	Application
GS33287	Bolts for 366-454 1966-90 with 1/2" bolt head. 2-required
38-454N	Bolts for 366-454 1966-98 with 5/8" bolt head 1-required
38-3181	Bolts for 8.1L 496 2001-07 1-required

MELLING FACTORY MUSCLE CAMS

Part #	Dur @ .050 Int/Exh	Adv Dur Int/Exh	Vlv Lift Int/Exh	Lobe Sep Int/Exh	Valve Lash.	Application
22216	214/218	290/303	.461/.480	112/114	hyd.	350hp 396/ 390hp 427
22396	242/242	310/297	.520/.520	108/120	.020/.024	L78 396; LS6 454
22427	264/270	322/322	.559/.580	108/116	.022/.026	L88 427

NOSTALGIA PLUS™ CAMS



Exhaust note of the LS6 cam, but in a hydraulic grind



Part #	RPM Range	Int / Exh	Duration @ .050	Grind	Lifter
11-670-4	1800-6200	.530/.524	229/236	N+LS6	hyd.

CAM ACCESSORIES

BLOCK WEAR PLATE

Part#	Description
203.....	.030" shim requires machining



CAM THRUST PLATE

Part#	Description
CP-350.....	454-502 GEN V & VI 3.294" C-TO-C

FUEL PUMP PUSHRODS

Part#	Description
4616.....	Lightweight for cast iron cam
4607.....	Lightweight w/bronze tip
135-8701.....	Lightweight for cast iron cam



ROTATING ASSEMBLY

Budget forged 496 rotating assembly includes:
 4340 steel crank • 5140 I-beam rods
 • Icon +060 forged pistons • Moly rings • bearings



Part #	Description
18421-060	10.3:1 @ 118cc
B18421-060	Same Internally balanced

REAR SEAL ADAPTER

Enables the use of 2-piece seal style crank in a 1-piece seal block.

Order Part # EAG500



GUIDE PLATES

Part#	Pushrod Dia.
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ENGINE PRO

05-1002-8	3/8"
05-1102-8	3/8"-10mm stud holes (GEN V & VI)
05-1006-8	7/16"



COMP CAMS

4806-8	3/8"
4820-8	7/16"
4811-8	3/8" 2-piece adjustable



MUSCLE ENGINE KITS



Feature: forged or cast spec'd pistons; rings; rod, main, cam bearings; gasket set; spec'd camshaft; lifters, timing kit; oil pump; hardware. Upgrades available.

GK455S1R**Buick 455 "Stage 1"**, 1970 rated at 360HP, 10.5:1 compression ratio, O.E. cam reference #1383853 hydraulic, single 4 bbl. carb and outside air induction

GK350-02W31R**Oldsmobile 350 "W31"**, 1968-70 rated at 325HP, 10.5:1 compression ratio, O.E. cam reference #402194 hydraulic, single 4 bbl. carb and outside air induction

GK400-05W30R**Oldsmobile 400 "442"**, 1968-69 rated at 365HP, 10.5:1 compression ratio, O.E. cam reference #402569 hydraulic, 3x2 bbl carbs with outside air induction

GK455-02W30R**Oldsmobile 455 "W-30"**, 1970 rated at 390HP, 10:1 compression ratio, O.E. cam reference #402569 hydraulic, single 4 bbl. carb

GK389-02-360HPR**Pontiac 389 "Tri-Power"**, 1966 rated at 360HP, 10.75:1 compression ratio, O.E. cam reference #9779068 hydraulic, 3x2bbl carbs

GK400-01RA3R**Pontiac 400 "Ram Air III"**, 1967-70 rated at 366HP, 10.5:1 compression ratio, O.E. cam reference #9785744 hydraulic, single 4 bbl. carb

GK400-01RA4R**Pontiac 400 "Ram Air IV"**, 1968-70 rated at 370HP, 10.75:1 compression ratio, O.E. cam reference #9794041 hydraulic, single 4 bbl. carb

GK455-05HOR**Pontiac 455 "HO"**, 1971-72 rated at 330HP, 8.4:1 compression ratio, O.E. cam reference #9779068 hydraulic, single 4 bbl. carb

CRANKSHAFTS

CAST STEEL CRANKSHAFTS



Part #	Engine	Stroke	Notes
Oldsmobile External Balance			
104554260	Olds 455-461	4.250	6.735" Olds rod
104554500	Olds 455-481	4.500	7.100" 2.200" jrnl (7100N3D)

Part #	Engine	Stroke	Notes
Pontiac Internal Balance			
104004250	Pontiac 400-461	4.250	6.800 2.200 jrnl
104554210	Pontiac 455	4.210	6.625" Pontiac rod
104554251	Pontiac 455-461	4.250	6.800 2.200 jrnl

4340 STEEL CRANKSHAFTS

All Cranks Designed to be Internally Balanced

Part #	Engine	Stroke	Notes
440042106625	400-455	4.210	6.625" Pontiac rod
440042506700	400-461	4.250	6.700 2.200 jrnl
440043506800	400-471	4.350	6.800 2.200 jrnl
440045006800	400-488	4.500	6.800 2.200 jrnl
445542106625	455-455	4.210	6.625" Pontiac rod
445542506700	455-461	4.250	6.700 2.200 jrnl



CONVERSION REAR MAIN SEALS

Suggested Applications According to AERA Publication TB1711 to Convert Rope to Neoprene Seal.

Part #	Applications
BS30135	400/430/455 Buick
BS40032	340/350 Buick; 400/425/455Old
BS6141	260/307/330/350/403 Olds
RMS-01	326-400 Pontiac
BS40012	421-428-455 Pontiac
RMS-02	421-428-455 Pontiac



CONNECTING RODS



"NEW" Eagle I-Beam Rods

Include ARP 8740 bolts.

Part #	c-c	Notes
6700B	6.700"	2.200" rod journal, .990" pin
6800B	6.800"	2.200" rod journal, .990" pin

Eagle H-Beam Rods

Include ARP 8740 bolts.



Part #	c-c	wt	Notes
6735O3D	6.735"	820g	Olds 455 bushed
7100N3D	7.100"	825g	2.200" rod journal, bushed pin
6625P3D	6.625"	760g	Pontiac 400-455 bushed
6625PP3D	6.625"	760g	Pontiac 400-455 pressed pin
67003D	6.700"	815g	2.200" rod journal, .990" pin
68003D	6.800"	815g	2.200" rod journal, .990" pin

DAMPERS & TIMING

STREET PERFORMANCE HARMONIC DAMPERS

Nodular iron, balanced to OEM specs, etched timing marks

Part #	Application & Notes
PB1056-ST	301-455 internal balance



NEW OE HARMONIC DAMPERS

Olds

Part #	Application & Notes
PB1147-N	350-400-455 1968-77
PB1450-N	260-307-350R 1979-84



Pontiac

PB1056-N	350-400-455 1968-79
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BALANCER BOLT KITS

Black oxide finish, 170,000 psi with 1/4" thick wide area washer

Part #	Application	Thread	UHL
120-2501	Buick V6 & V8	3/4" -16	1.300
180-2501	Olds V8	3/4" -16	1.300
190-2501	Pontiac V8	5/8" -18	1.580



TIMING SETS STREET-STRIP .250 ROLLER

Part #	Application
08-1132R	Buick 215-300-340-350H,J,X
08-1113R	Olds 260-307-350-400-403-425-455
08-1112R	Pontiac 326-350-389-400-421-428-455



BILLET STEEL TIMING SET

Features: .250" seamless roller chain, billet CNC cam gear

Part #	Application
08-2040R	Buick 400-430-455 1967-76

TIMING COVERS AND ACCESSORIES

Part #	Application & Notes
6570SC	Buick 196-213-252-350 RWD
6570TM	Buick Timing Mark for 6570SC
TW455	Buick 400-430-455 1967-76
TC400N	Pontiac V8 1969-77 (With timing mark. Water plate and tubes included)
WP400P	Pontiac V8 1969-77 Water pump backing plate
WP400S	Pontiac V8 1969-77 Water tube insert. 2-required.



Camshaft Thrust Plates

Part #	Application
CP301N	Pontiac V8



APPLICATION

VALVE TRAIN

PERFORMANCE 1000-SERIES VALVES

Pontiac 400-455

Part #	Type	Head	Length	Stem	Tip Length
01-1500-8	EXH	1.77	5.11	11/32"	.250
01-1501-8	INT	2.11	5.095	11/32"	.250



VALVE SPRINGS

Factory Performance and RV Cam

Part #	Application	Outside Dia.	Inside Dia.	Closed Pressure	Open Pressure	Coil Bind
32-881-D	400-430-455 Buick	1.309	0.931	67-77# @ 1.890	170-184# @ 1.450	1.220
32-1016D	350-400-455 Olds	1.449	1.041	76-84# @ 1.670	180-194# @ 1.270	1.110
32-1195-D	Olds V8	1.454	1.040	85-95# @ 1.670	203-217# @ 1.220	1.110
32-576	Pont. Thru '64 outer	1.385	1.061	55-61# @ 1.533	98-106# @ 1.203	1.020
32-577	Pont. Thru '64 inner	0.963	7.230	23-29# @ 1.483	54-60# @ 1.153	0.960
02-0813-4	Pont. '65 on inner	1.065	0.768	28-34# @ 1.566	99-105# @ 1.114	0.950
02-0814-4	Pont. '65 on outer	1.405	1.050	59-65# @ 1.586	135-145# @ 1.134	0.990



ENGINE PRO PERFORMANCE SPRINGS

Part #	Application	Outside Dia.	Inside Dia.	Closed Pressure	Open Pressure	Coil Bind
02-1010-16	Dual w/damper	1.437	1.070/.697	130# @ 1.700	372# @ 1.150	1.020
02-1004-16	Dual w/damper	1.437	1.073/.697	135# @ 1.750	307# @ 1.150	1.150
02-1203-16	Beehive	1.412	0.650	123# @ 1.750	284# @ 1.175	1.06

RETAINERS

Olds and Pontiac Applications

Part #	Diameter-2	Diameter-3	Stem	Degree	
03-1003-16	1.440"	1.050	11/32	7	4140
03-1010-16	1.440"	1.050	11/32	7	+ .100 installed hgt.
03-1002-16	1.440"	1.050	all	10	4140
03-1013-16	Beehive	1.050"	all	10	4140
03-1014-16	Beehive	1.030"	11/32	7	4140



VALVE LOCKS

Part #	Stem	Degree	Type		
04-1000-32	11/32	7	hardened	single groove	
04-1001-32	11/32	7	machined	single groove	
04-1008-32	11/32	7	machined	single groove	+ .050 installed hgt.
04-1009-32	11/32	7	machined	single groove	- .050 installed hgt.
04-1002-32	11/32	10	machined	single groove	
04-1003-32	11/32	10	machined	single groove	+ .050 installed hgt.
04-1004-32	11/32	10	machined	single groove	- .050 installed hgt.



MELLING FACTORY MUSCLE CAMS

Part #	Dur @ .050 Int/Exh	Adv Dur Int/Exh	Vlv Lift Int/Exh	Vlv Lift Int/Exh	Lobe Sep Int/Exh	Application
			1.6 ratio			
25310	232/232	329/329	.474/.474		112/114	350 W31, W30 early
25309	244/244	314/314	.475/.475		110/110	400-455 W30 late
			1.5 ratio			
			1.65 ratio			
SPC-3	224/236	297/310	.406/.407	.446/.447	112/119	400-RAIII; 455SD
SPC-8	231/240	304/315	.469/.469	.516/.516	112/115	400-RAIV
SPC-5	200/210	284/293	.407/.411	.447/.452	106/116	389-318hp
SPC-7	212/225	285/298	.408/.406	.449/.446	113/118	389-360hp; 455HO



HYDRAULIC LIFTERS

Part#	Application
HT969B	Buick 350-430-455 all w/hollow pushrods
HT896B	Buick 340-401-425: 350 & 400 w/solid pushrods
HT951B	Olds 330, 350, 400 From '68, 425 (exc Toronado), 455 - .842" dia.
HT951B	Pontiac 326-347-350-371-381-400-421-428-455
HT951R	Olds -Pontiac Hi-Performance



VALVE TRAIN

GUIDE PLATES

Part #	Application	Pushrod Dia.	Notes
4842-8	Oldsmobile V8	5/16	a.
4843-8	Oldsmobile V8	3/8	a.
4851-8	Pontiac V8	5/16	b.
4852-8	Pontiac V8	3/8	b.

a. No machine work required with part# 4542-16 stud
b. Requires 7/16 base stud



FASTENERS

SCREW-IN STUDS

Part #	Application	Base Thread	Above Head
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COMP CAMS

4542-16	Olds V8	5/16 x .580	3/8 x 1.520
4503-16	Pontiac V8	7/16 x .825	7/16 x 1.750

ENGINE PRO

06-1103-16	Pontiac V8	7/16 x .800	7/16 x 1.750
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ARP

135-7101	Pontiac V8	7/16 x .800	7/16 x 1.750
100-7101	Pontiac V8	7/16 x .750	7/16 x 1.900
290-7201	Pontiac V8	1/2x1.025	7/16 x 2.000

HEAD BOLTS

Part #	Application
125-3601	... Buick 455 factory heads
180-3600	... Olds 350 & 455 to 1976 7/16"
180-3601	... Olds 307-455 1977 on 1/2"
190-3602	... Pontiac 326-389-421 D-port 1965-66
190-3607	... Pontiac 350-400-455 D-port 1967 on
190-3601	... Pontiac 400-455 Ram Air 2, 4, SD & HO '68-'74 (Edelbrock Heads see catalog)



HEAD STUDS

Part #	Application
125-4001	... Buick 455 factory heads
185-4001	... Olds 455 head 7/16" factory & Edelbrock
190-4002	... Pontiac 350-400-455 D-port 1967 on
190-4003	... Pontiac 400-455 Ram Air 2, 4, SD & HO '68-'74 (Edelbrock Heads see catalog)



CONNECTING ROD BOLT KITS

170,000 psi tensile strength.

Part #	Application
125-6001	Buick 400-401-425-430-455
184-6001	Oldsmobile 307-350-403-425
185-6001	Oldsmobile 455
190-6001	Pontiac, except 455 SD 1963 on 3/8"



MAIN STUD KIT

Black anodized 8740 chromemoly studs, nuts and washers. Rated at 190,000 psi.

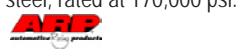
Part #	Notes
185-5401	Olds 455 2-bolt
194-5401	Pontiac V8 2-bolt
194-5601	Pontiac V8 4-bolt



MAIN BOLT KITS

Heat treated chrome moly steel, rated at 170,000 psi.

Part #	Notes
125-5201	Buick 455 2-bolt
184-5001	Olds 350-403 2-bolt
185-5001	Olds 455 2-bolt



MUSCLE ENGINE KITS

Feature: coated pistons, moly rings, rod, main, cam bearings, gasket set, head bolts, roller lifters, timing kit and oil pump.

Camaro & Firebird, VIN G LS1

Part #	Years
GK346R	1998
GK346-01R	1999-2000
GK346-02R	2001



Corvette, VIN G, LS1

Part #	Years
GK346-04R	1997-1998
GK346-05R	1999-2000



VALVES



1-piece forged stainless valves with our proprietary liquid nitriding process.

Part #	Type	Head	Stem	Length
01-3200-8	Exh	1.570	.313	4.890
01-3201-8	Exh	1.600	.313	4.890
01-3202-8	Int	2.020	.314	4.880
01-3206-8	Int	2.041	.314	4.880
01-3207-8	Int	2.055	.314	4.880



2000-SERIES COMPETITION VALVES

Part #	Type	Head	Stem	Length
01-2200-8	EXH	1.570	0.313	4.915
01-2201-8	EXH	1.600	0.313	4.915
01-2204-8	EXH	1.550	0.313	4.915
01-2202-8	INT	2.020	0.3137	4.900



RETAINERS



For use with Beehive Springs

Part #	Diameter-1	Diameter-2	Stem	Degree	
03-1011-16	1.030	0.640	8mm	7	4140
03-1015-16	1.030	0.640	8mm	7	4140
03-1014-16	1.050	0.640	8mm	10	4140
03-1794-16	1.050	0.640	8mm	10	titanium



COMP CAMS



Part #	Diameter-1	Diameter-2	Stem	Degree	
774-16	1.030	0.640	8mm	7	4140
795-16	1.050	0.640	8mm	10	4140
794-16	1.050	0.640	8mm	10	titanium

VALVE SPRINGS



Part #	Large O.D.	Small I.D.	Closed Pressure	Open Pressure	Spring Rate	Coil Bind
02-1201-16	1.290	0.650	130# @ 1.800	318# @ 1.200	313	1.14

COMP CAMS



Part #	Diameter-1	Diameter-2	Stem	Degree	
26915-16	1.290	0.650	105# @ 1.800	293# @ 1.200	313 1.1
26918-16	1.310	0.650	125# @ 1.800	348# @ 1.200	372 1.1

(use all with 4705-16 spring locator)

PERFORMANCE VALVE LOCKS



Part #	Stem	Degree	Type
04-1007-32	8mm	7	machined bead lock
623-16	8mm	7	machined
632-16	8mm	10	machined bead lock



FASTENERS



HEAD BOLTS

Part#	Description
134-3609	Pro Series hex head through 2003
134-3610	Pro Series hex head from 2004 on



HEAD STUD KITS FOR FACTORY HEADS

Part #	Application
234-4110	Hex head stud kit through 2003
234-4316	12-point head stud kit through 2003
234-4317	12-point head stud kit from 2004 on



SHAFT MOUNT ALUMINUM ROCKER SYSTEM

No machining required. Cathedral heads. Made from 2024 aluminum, with 8620 hardened steel shafts.



Part#	Ratio	Offset
1500	1.7	0.000"
1501	1.8	0.000"

UPGRADE TRUNION KIT

Compare to needle bearings! Improved oiling, greater surface area to spread the load and no chance of broken bearings sending metal throughout your engine. Engineered and Made in the U.S.A.

- Micro-Polished Hardened Shafts, C932 Bearing Bronze Bushings, clips

Part#	Description
07-13702-16	16-trunions, 32- Bearing Bronze Bushings, clips



PERFORMANCE PUSH RODS

Part#	Description
581-7350	7.350" length .083" wall one-piece -.050"
581-7400	7.400" length .083" wall one-piece
581-7450	7.450" length .083" wall one-piece +.050"
581-7500	7.500" length .083 wall one-piece +.100"



GASKET SETS



Part#	Description
31-1006	GEN III-IV with 3.945" MLS head gaskets; .053" thick (wo Intake)
31-1007	GEN III-IV with 4.100" MLS head gaskets; .053" thick (wo Intake)

Misc. Gaskets

- 31-30693R..... GEN III-IV Oil pan gasket. Molded silicon w/steel carrier and compression stops
- 31-50504R..... GEN III-IV Valve cover set. Molded silico w/steel carrier and compression stops
- 37-9284NRS.. GEN III-IV Lower gaskets set, less rear seal. O.E. style metal gaskets.
- BS40640..... PTFE one piece rear seal



APPLICATION

DAMPERS & TIMING



STOCK AND STREET PERFORMANCE HARMONIC DAMPERS

Part #	Application & Notes
PB1480-N	1998-02 Camaro/Firebird vin G
PB1480-ST	7.5 inch with serp. Belt/Nodular iron, balanced to OEM specs, etched timing marks



RACE SFI APPROVED BALANCERS

CNC machined 1045 steel.

Part #	Application & Notes
PB1480-SS	Chevy LS-1 7.5" with serp.belt
PBU1480-SS10	Chevy LS-1 6.81" with serp.belt 10% under drive
PBU1480-SS25	Chevy LS-1 6.22" with serp.belt 25% under drive
PB81480-SC	Chevy LS-1 7.5" 8-rib serp.belt to suit supercharger installation
PB1117-SS	LS-6, LS-2, LS-3 7.5" with serp.belt Corvette and SSR
PBU1117-SS10	LS-6, LS-2, LS-3 7.5" with serp.belt Corvette and SSR 10% under drive
PBU1117-SS25	LS-6, LS-2, LS-3 7.5" with serp.belt Corvette and SSR 25% under drive
PB81117-SC	LS-6, LS-2, LS-3 7.5" with serp.belt Corvette and SSR to suit supercharger
PBU1190-SS25	99-08 4.8/5.3/6.0 Truck & SUV, 06-07 Trailblazer SS 25% under drive
PBU1503-SS	LS7 7.0 Z06 Corvette serp. belt

BALANCER BOLT KITS

Black oxide finish, 170,000 psi with 1/4" thick wide area washer



Part #	Application
234-2503	LS1, LS6 5.7L & 6.0L stock
234-2504	LS7 7.0 (5.225" UHL)

BILLET STEEL TIMING SET

250" seamless roller chain, billet CNC cam gear, heat treated CNC 9-key crank gear



Part #	Application & Notes
08-2013T-9R	4.8V, 5.3T,Z,B, 5.7S, 6.0N,U - 1997-04 3-bolt no sensor
08-2013T-9-005R	4.8V, 5.3T,Z,B, 5.7S, 6.0N,U - 1997-04 3-bolt no sensor - .005
08-2014T-9R	4.8V, 5.3T,Z,B, 5.7S, 6.0N,U - 2005 3-bolt one sensor
08-2014T-9-005R	4.8V, 5.3T,Z,B, 5.7S, 6.0N,U - 2005 3-bolt one sensor - .005
08-2036T-9R	4.8V, 5.3T,Z,B, 5.7S, 6.0N,U -2006-3-bolt four sensor
08-2035T-9R	4.8V, 5.3T,Z,B, 5.7S, 6.0N,U -2007-3-bolt one sensor
08-2036T-9R	6.2 W - 2008-10 - 3-bolt four sensor

BILLET STEEL SINGLE ROLLER TIMING SET

.250" single roller chain, billet CNC cam gear, torrrington bearing, heat traeted CNC 9-key crank gear



Part#	Application	Cam Gear
08-9014-T9	4.8L, 5.3L (99-06); 5.7L (97-05) 6.0L (99-07)	3 Bolt, No or 1 Sensor
08-9036-T9	LS2 6.0L (06-07); L92 6.2L (07)	3 Bolt, 4 Sensors
08-9035-T9	4.8L, 5.3L (07-10); LS2 6.0L (05-10) LS3 6.2L (08-10); L92 6.2L (07-09)	1 Bolt, 4 Sensors

RACE BLOCK

FINISHED HONED

Part#	Deck Height	Bore	Sleeve Length
54900	9.750	4.165	6.38
54901	9.750	4.125	6.38
54902	9.240	4.165	5.87
54903	9.240	4.125	5.87



LS1 CRANKSHAFTS

NEW crankshaft, Internally balanced

Part #	Reluctor	Stroke	Rod length
434636226100	24 tooth	3.622	6.100
434736226100	58 tooth	3.622	6.100
434640006100	24 tooth	4.000	6.125
434740006100	58 tooth	4.000	6.125
434641256100	24 tooth	4.125	6.125
434741256100	58 tooth	4.125	6.125



LS1 H-BEAM CONNECTING RODS

with .927" wrist pin

Part#	c-c	wt	notes
ENGINE PRO			
10-1108-8	6.125	630g	w/ARP 2000 bolts
EAGLE			
6100L3D	6.100	650g	stock
6125O3D	6.125	620g	aftermarket
6125O3D2000	6.125	620g	w/ARP 2000 bolts
6200O3D2000	6.200	650g	w/ARP 2000 bolts



FASTENERS

CONNECTING ROD BOLT KITS

Part#	Description
134-6006	GEN III & IV LS1 HP "Cracked Rod", exc LS7
234-6301	Same in ARP2000



MAIN STUD KITS

Part #	Application
234-5608	GENIII /LS series small block and GMPP LSX block
134-5802	Warhawk LS aluminum block



PERFORMANCE OIL PUMPS

GEN III/IV 4.8, 5.3, 5.7, 6.0 and LS3 6.2

Part#	Description
10295	stock volume; 10% increase in pressure over stock M295 pump
10296	18% increase in volume over stock M295 and 10295 pumps



GEN IV LS4 5.3 & L92 Vortec 6.2

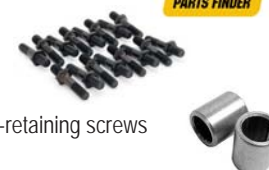
Part#	Description
10355	stock volume for LS4 5.3L & L92 6.2L. 33% increase in volume over 10295 pump.



10295

SOLUTIONS

Part #	Description
DP-LS1	Cylinder head dowel pins-10pk
WKLS-1	Early notched crank key-10pk
WKLS-1-LATE	Late long crank key-10pk
LRK-LS1	Lifter retainer kit- 4-buckets & 4-retaining screws
RAB-LS1	Rocker arm bolts-16pk
RB-LS1	Rod bolts-stock SPS late design-16pk



MUSCLE ENGINE KITS

Original factory performance parts. Kits have forged or cast pistons as per spec. Lower compression pistons may be substituted for today's gasoline. Every effort has been made to match the correct cam and timing as those from the factory in hydraulic or mechanical lifter as per spec.

Feature: pistons; rings; rod, main, cam bearings; gasket set; spec'd camshaft; lifters, timing kit; oil pump; hardware. Upgraded rings, oil pumps or bearings are also available.



ENGINE KITS

Kit # Description

CK340R.....Chrysler 340 "Cuda", 1968-71 rated at 275HP 10.2:1CR, O.E.M. cam reference # 4214671 (P4452782) hydraulic, single 4 bbl. Carb

CK383-02HPR...Chrysler 383 "Magnum", 1967-71, rated at 335HP, 10.2:1CR, O.E.M. cam ref #2843564/3512907 (P4452783) hydraulic, single 4 bbl. carb

CK440-385HPR Chrysler 440 "Six Pak", 1970-72, rated at 385HP, 10.5:1CR, O.E.M. cam reference #2843564/3512907 (P4529270) hydraulic, 3x2bbl. carbs.

1000-SERIES VALVES



BIG BLOCK CHRYSLER

Part	Type	Head	OAL	Stev	Tip
01-1310-8	EXH	1.74	4.91	3/8"	.290
01-1311-8	INT	2.08	4.875	3/8"	.290

PERFORMANCE VALVES

5000 SERIES



Part #	Engine	Type	Head	Stem	Lengt.	Groov
F5051	.....Small Block	Exh	1.600	3/8	5.075	1
F5050	.....Small Block	Int	2.020	3/8	5.050	1
F5055	.....Big Block	Exh	1.740	3/8	4.910	1
F5053	.....Big Block	Exh	1.810	3/8	4.910	1
F5054	.....Big Block	Int	2.080	3/8	4.875	1
F5052	.....Big Block	Int	2.140	3/8	4.875	1

6000 SERIES

F6173	.....Small Block	Exh	1.600	3/8	5.075	1
F6172	.....Small Block	Int	2.020	3/8	5.050	1
F6306	.....Big Block	Exh	1.810	11/32	4.930	1
F6307	.....Big Block	Int	2.140	11/32	4.910	1
F6250	.....Big Block	Exh	1.880	3/8	4.910	1
F6191	.....Big Block	Int	2.190	3/8	4.875	1

LIFTERS



Part# Description

HT2011B.....Small block hydraulic
HT812BBig block 350-440 thru 1967; Hemi hydraulic
HT976BBig block 1968-78, except Hemi hydraulic

PAINT



Part# Description
T-19-A.....Chrysler Blue
T-14-A.....Chrysler Red
T-26-A.....Gloss Black
T-58-A.....Cast Blast



VALVE SPRINGS



FACTORY PERFORMANCE AND RV CAM

Part #	Desc	Outside Dia.	Inside Dia.	Closed Pressure	Open Pressure	Coil Bind
32-901D	Small Block	1.494	1.080	91-101# @ 1.650	231-245# @ 1.220	1.100
04-0981X-4	Big Block	1.504	1.090	100-110# @ 1.860	236-256# @ 1.360	1.294

ENGINE PRO PERFORMANCE

02-1010-16	Dual	1.437	1.073/0.697	130# @ 1.700	372# @ 1.150	1.020
02-1007-16	Single w/damper	1.524	1.100	122# @ 1.900	309# @ 1.400	1.200
02-1202-16	Beehive	1.445	0.650	155# @ 1.880	377# @ 1.280	1.21
02-1012-16	Dual	1.509	1.125/0.697	112# @ 1.900	355# @ 1.200	1.175
02-1008-16	Dual	1.539	1.125/0.731	204# @ 1.900	516# @ 1.250	1.225
02-1009-16	Dual	1.550	1.136/0.812	240# @ 1.900	598# @ 1.250	1.160

COMP

901-16	Single w/damper	1.494	1.080	101# @ 1.650	260# @ 1.200	1.100
995-16	Dual	1.437	1.073/0.697	130# @ 1.700	372# @ 1.150	1.020
911-16	Single w/damper	1.524	1.100	122# @ 1.900	309# @ 1.400	1.200
26120-16	Beehive	1.445	0.650	155# @ 1.880	377# @ 1.280	1.21
924-16	Dual	1.509	1.125/0.697	112# @ 1.900	355# @ 1.200	1.175
925-16	Dual	1.509	1.125/0.697	111# @ 1.900	388# @ 1.200	1.175
938-16	Dual	1.539	1.125/0.731	204# @ 1.900	516# @ 1.250	1.225

CAMSHAFTS



FACTORY PERFORMANCE AND RV CAM

1967-1968 -- 318, 1964-1987 -- 273, 340, 360

Part #	Dur @ .050 Int/Exh	Adv Dur Int/Exh	Vlv Lift Int/Exh	Lobe Sep Int/Exh	RPM Range	NOTES
MC1735	204/214	270/280	.420/.442	107/117	1500-4000	Smooth idle
MC644	209/220	279/289	.429/.444	112/116	1500-4500	Factory performance
MC3203	214/224	288/298	.443/.466	108/116	2000/4800	Fair w/lpse

1958-78 -- 350, 361, 383, 400, 413, 426 (except hemi), 440 single bolt

MC1787	204/214	278/288	.420/.442	107/117	1500-4000	Smooth idle
MC2032	214/224	289/290	.421/.465	107/117	2000/4500	Fair w/lpse

MAGNUM MUSCLE HYDRAULIC CAMS FOR THE STREET



Application	RPM Range	Inches Lift Int / Exh	Degrees Duration @ .050	Grind	Lifter Type
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SB Chrysler 340 275HP

20-309-4	1800-5800	.464/.464	222/222	268AH-10	hyd.
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BB Chrysler 383-440 335-390HP (single bolt)

21-305-4	1600-5600	.464/.464	222/226	268AH-10	hyd.
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RETAINERS



Part #	Type	Diameter-2	Diameter-3	Stem	Degree	Material
03-1005-16	1.440"	1.050	0.700	3/8	7	4140
03-1002-16	1.440"	1.050	0.700	all	10	4140
03-1009-16	1.500"	1.120	0.705	all	10	4140
03-1014-16	Beehive	1.050"	0.640	all	10	4140
03-1730-16	1.437"	1.065	0.700	all	10	titanium
03-1732-16	1.500"	1.110	0.710	all	10	titanium
03-01794-16	Beehive	1.050"	0.640	all	10	titanium

VALVE LOCKS



Part #	Stem	Degree	Type	Groove	Installed
04-1005-32	3/8	7	machined	single groove	
04-1006-32	3/8	10	machined	single groove	
04-1010-32	3/8	7	machined	single groove	+050 installed
04-1011-32	3/8	7	machined	single groove	-050 installed

COMP PART #

606-16	3/8	7	hardened	8-pr 2-groove; 8-pr 4-grooved
627-16	3/8	10	machined	8-pr 2-groove; 8-pr 4-grooved
641-16	3/8	7	machined	single groove
612-16	3/8	10	machined	single groove
610-16	5/16	10	machined	single groove for 426 hemi

ROCKERS & SHAFTS



Part#	Description
R-892	Rocker small block left non-adj.
R-893	Rocker small block right non-adj.
RS-661	Shaft SB non-adjustable
R-850	Rocker big block except Hemi left non-adj.
R-851	Rocker big block except Hemi right non-adj.
RS-701	Shaft BB except Hemi non-adjustable



FASTENERS

HEAD STUDS FOR FACTORY HEADS

Part#	Description
144-4001	SB Chrysler factory heads except W2, W5 & W7
145-4006	Big Block Chrysler 383-440 wedge head

HEAD BOLTS

180,00 psi bolts with hardened washers.

Part #	Application
144-3602	SB Chrysler except Magnum & W2
144-3605	SB Magnum or Edelbrock Magnum
145-3606	BB Chrysler factory head except Hemi
145-3901	426 hemi 7/16"
147-3901	5.7 & 6.1 hemi



FORGED PISTONS



Part #	Application	Style	Ratio @ cc	HeadComp.Hgt.	Ring notes
L2316F ... 340		Flat	10:1; 65cc	1.840"	5/64 X 5/64 X 3/16
L2315NF .383		Flat	9.5:1; 80cc	1.920"	5/64 X 5/64 X 3/16
L2355F ... 440	'70-'72 "6-Pack"	Flat	9.5:1; 88cc	2.061"	5/64 X 5/64 X 3/16
L2266F ... 440		Flat	8.6:1; 88cc	1.991"	5/64 X 5/64 X 3/16

HARMONIC BALANCERS



STREET PERFORMANCE HARMONIC DAMPERS

Part #	Application & Notes
PB1004-ST	318-340 SB internal balance
PB1112-ST	383-440 BB internal balance

SFI RACE HARMONIC DAMPERS

PB1004-SS	318-340 SB internal balance
PB1112-SS	383-440 BB internal balance



BALANCER BOLT KITS



Black oxide finish, 170,000 psi with 1/4" thick wide area washer

Part #	Application	UHL
245-2501	318-440 , 3/4" hex	1.420"
240-2501	V8 all with thick damper	2.200"
147-2501	5.7L & 6.1L hemi	4.000"



TIMING SETS



Part #	Application & Notes
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STREET-STRIP .250 ROLLER

08-1103R	273-318-340-360 small block; includes 354-392 early hemi
08-1104R	350-361-383-400-413-426W-440 single cam bolt
08-1125R	383-400-413-426-440 includes 426 hemi 3-cam bolt

BILLET STEEL TIMING SET

08-2004-9R	273-318-340-360 small block; includes 354-392 early hemi
08-2010-9R	350-361-383-400-413-426W-440 single cam bolt
08-2005T-9R	383-400-413-426-440 includes 426 hemi 3-cam bolt
08-2011-9	5.7L -6.1L hemi '00-'10 inc Target Wheel, Tensioner, Guide Plate, Billet Steel Oil Pump Drive Gear and Spacer Plates

TIMING CHAIN TENSIONER

08-9428	273-318-340-360 small block; replaces cam thrust plate
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CRANKSHAFTS



CAST STEEL CRANKSHAFTS

Part #	Engine	Stroke
103403310	318-340 mains	3.310"
103404000	318-340 mains	4.000"
103603580	360 mains	3.580"
103604000	360 mains	4.000"



4340 STEEL CRANKSHAFTS

Designed for Internal Balance

Part #	Engine	Stroke	Flange
434033106123	318-340 mains	3.310"	
434040006123	318-340 mains	4.000"	
436035806123	360 mains	3.580"	
436040006123	360 mains	4.000"	
440037506760	383-400 mains	3.750"	6
440041506760	383-400 mains	4.150"	6
440241506760	383-400 mains	4.150"	8
444037506760	426-440 mains	3.750"	6
444041506760	426-440 mains	4.150"	6
444237506760	426-440 mains	3.750"	8
444241506760	426-440 mains	4.150"	8



MORE MOPAR on next page...

APPLICATION

CONNECTING RODS

I-BEAM RODS

Part #	C-C	Wt
6123CP.....	6.123"	605g
6123CB.....	6.123"	605g



H-BEAM RODS

Include ARP 8740 bolts. ARP2000 upgrades available

6123C3D	6.123"	690g
6358C3D	6.358"	850g
6760C3D	6.760"	875g
6860C3D	6.860"	890g



FASTENERS

CONNECTING ROD BOLTS

170,000 psi tensile strength.

Part #	Application
144-6001	SB Chrysler
145-6002	BB Chrysler
145-6001	426 hemi 7/16"
247-6301	5.7 hemi
247-6302	6.1 hemi



MAIN BOLT KITS

Heat treated chrome moly steel, rated at 170,000 psi.

Part #	Notes
140-5001	V8 318-440 except hemi
145-5201	426 hemi 2-bolt w/cross bolts



MAIN STUD KITS

Black anodized 8740 chrome moly studs, nuts and washers. Rated at 190,000 psi.

Part #	Notes
140-5401	V8 318-440 except hemi
145-5602	426 hemi 4-bolt
244-5400	5.7L & 6.1L cross bolt

OIL PUMP

PERFORMANCE OIL PUMPS

Part #	Application
Passenger car listings	
M-72HV	273-318-340-360 Hi-volume
M-63HP	426 hemi High pressure
M-63HV	350-361-383-400-413-426W-440 Hi-volume
10342.....	5.7L & 6.1L hemi STD volume, ADJ by-pa:



OIL PUMP SCREENS

Part #	Application
Passenger car listings	
72-S2	65-89 273, 318, 340 & 360 except below
72-S4	74-78 360 Monaco & Royal Monaco
63-S3	67-71 383, 67-70 440 except H.P.
63-S4	73-78 400 & 440 Coronet & Charger



OIL PUMP DRIVE SHAFTS

Part #	Notes
IS72	Chrysler Small Block V8
IS63	Chrysler Big Block V8

Melling Select, high strength 150,000 psi; locks onto oil pump shaft

12720.....	Chrysler Small Block V8
12630.....	Chrysler Big Block V8



MUSCLE ENGINE KITS



Feature: forged or cast spec'd pistons; rings; rod, main, cam bearings; gasket set; spec'd hydraulic or mechanical camshaft; lifters, timing kit; oil pump; hardware.



FK289-01-271HPR.... Ford 289 "HiPo", 1965-68 rated at 271HP, 9.5:1 compression ratio, O.E.M. cam reference #C3OZ-6250C mechanical, single 4 bbl. carb. (With crank counter weight add S351)

FK351CJR..... Ford 351C "Cobra Jet", 1971-72 rated at 340HP, 11:1 compression ratio, O.E.M. cam reference #D2ZZ-6250B hydraulic, single 4 bbl. Carb

FK351W-69R..... Ford 351W "Mach1", 1969 rated at 290HP, 11:1 compression ratio, O.E.M. cam reference #C9OZ-6250-A hydraulic, single 4 bbl. carb

VALVE TRAIN

PERFORMANCE 1000-SERIES



Part #	Type	Head	Length	Stem	Tip Length
FORD 289-302-351W					
01-1102-8	EXH	1.46	5.07	11/32"	.395
01-1105-8	EXH	1.55	5.075	11/32"	.395
01-1101-8	INT	1.78	5.07	11/32"	.395



FORD 351C, BOSS 302

01-1108-8	EXH	1.71	5.06	11/32"	.250 single groove
01-1109-8	EXH	1.76	5.06	11/32"	.250 single groove
01-1115.100-8	INT	2.19	5.3 (+.075)	11/32"	.250 single groove
01-1107.50-8	INT	2.25	5.271 (+.050)	11/32"	.250 single groove

5000 SERIES COMPETITION VALVES



289 - 302					
F5014	Exh	1.45	5.030	11/32"	.325
F5015	Exh	1.60	5.030	11/32"	.325
F5012	Int	1.782	5.030	11/32"	.325
F5018	Int	1.94	5.030	11/32"	.325
F5020	Int	2.02	5.030	11/32"	.325

351W & GT40

F5028	Exh	1.55	5.075	11/32"	.395
F5058	Exh	1.60	5.075	11/32"	.395
F5029	Int	1.85	5.075	11/32"	.395
F5059	Int	1.94	5.075	11/32"	.395

351C-351M-400

F5040	Exh	1.65	5.060	11/32"	.250 single groove
F5045	Exh	1.71	5.060	11/32"	.250 single groove
F5026	Int	2.07	5.275	11/32"	.250 single groove
F5037	Int	2.19	5.300	11/32"	.250 single groove
F5031	Int	2.25	5.271	11/32"	.250 single groove



GUIDE PLATES

Part#	Application	Pushrod Dia.	
ENGINE PRO			
05-1003-8	289-351W	5/16	Flat
05-1011-8	289-351W	3/8	Flat
05-1012-8	302 Boss, 351C/M	3/8	Stepped



COMP CAMS

4816-8	289-351W	5/16
4803-8	351C	5/16



VALVE TRAIN



VALVE SPRINGS

Part #	Application	Outside Dia.	Inside Dia.	Closed Pressure	Open Pressure	Coil Bind
FACTORY PERFORMANCE AND RV CAM						
02-0611-4	289	1.364	1.020	71-79# @ 1.780	161-177# @ 1.390	1.300
32-786-D	289HP	1.438	1.024	94-106# @ 1.780	225-241# @ 1.380	1.260
02-1175-4	302-351W	1.404	1.020	74-82# @ 1.780	194-214# @ 1.360	1.290
32-1011	302-351W	1.394	1.020	71-79# @ 1.790	190-210# @ 1.340	1.255
32-935-D	351W	1.480	1.080	79-89# @ 1.790	204-225# @ 1.340	1.270
32-961-D	Boss 302-351C	1.522	1.072	88-98# @ 1.820	299-331# @ 1.390	1.270
02-991-4	351C	1.410	1.010	76-84# @ 1.810	218-240# @ 1.330	1.275
32-907-D	351C	1.510	1.072	80-90# @ 1.820	255-280# @ 1.380	1.260

ENGINE PRO PERFORMANCE

02-1017-16	Single w/damper	1.437	1.039	115# @ 1.700	284# @ 1.200	1.125
02-1021-16	Single w/damper	1.460	1.060	124# @ 1.800	293# @ 1.250	1.195
02-1005-16	Single w/damper	1.476	1.100	109# @ 1.800	317# @ 1.300	1.140
02-1004-16	Dual w/damper	1.437	1.073/.697	135# @ 1.750	307# @ 1.150	1.150
02-1003-16	Dual w/damper	1.437	1.073/.697	141# @ 1.750	334# @ 1.150	1.150
02-1011-16	Dual w/damper	1.460	1.060/.697	127# @ 1.850	369# @ 1.250	1.195
02-1012-16	Dual w/damper	1.509	1.125/.697	112# @ 1.900	355# @ 1.200	1.175
02-1203-16	Beehive	1.412	0.650	123# @ 1.750	284# @ 1.175	1.060
02-1202-16	Beehive	1.445	0.650	155# @ 1.880	377# @ 1.280	1.210

COMP

942-16	Single w/damper	1.437	1.039	115# @ 1.700	284# @ 1.200	1.125
940-16	Single w/damper	1.464	1.080	105# @ 1.850	237# @ 1.300	1.200
972-16	Single w/damper	1.460	1.060	124# @ 1.800	293# @ 1.250	1.195
985-16	Dual w/damper	1.430	1.070/.700	165# @ 1.750	364# @ 1.200	1.150
986-16	Dual w/damper	1.430	1.070/.697	117# @ 1.800	310# @ 1.200	1.150
987-16	Dual w/damper	1.430	1.070/.697	121# @ 1.800	343# @ 1.200	1.150
924-16	Dual w/damper	1.509	1.125/.697	112# @ 1.900	355# @ 1.200	1.175
26986-16	Beehive	1.412	0.650	109# @ 1.800	305# @ 1.100	1.060
26120-16	Beehive	1.445	0.650	155# @ 1.880	377# @ 1.280	1.210

RETAINERS

Part #		Dia-2	Dia-3	Stem	Degree	Note
ENGINE PRO						
03-1003-16	1.440"	1.050	0.700	11/32	7	4140
03-1010-16	1.440"	1.050	0.700	11/32	7	+ .100 installed hgt.
03-1002-16	1.440"	1.050	0.700	all	10	4140
03-1007-16	1.500"	1.115	0.690	all	10	4140
03-1013-16	Beehive	1.050"	0.640	all	10	4140
03-1014-16	Beehive	1.030"	0.640	11/32	7	4140
03-1730-16	1.437"	1.065	0.700	all	10	titanium
03-1732-16	1.500"	1.110	0.710	all	10	titanium
03-1794-16	Beehive	1.050"	0.640	all	10	titanium

VALVE LOCKS

Part #	Stem	Degree	Type	Groove	Note
ENGINE PRO					
04-1000-32	11/32	7	hardened	single groove	
04-1001-32	11/32	7	machined	single groove	
04-1008-32	11/32	7	machined	single groove	+ .050 installed hgt.
04-1009-32	11/32	7	machined	single groove	- .050 installed hgt.
04-1002-32	11/32	10	machined	single groove	
04-1003-32	11/32	10	machined	single groove	+ .050 installed hgt.
04-1004-32	11/32	10	machined	single groove	- .050 installed hgt.

COMP CAMS

601-16	11/32	7	hardened	single groove	
605-16	11/32	7	hardened	351C 4-groove	
648-16	11/32	7	machined	single groove	
611-16	11/32	10	machined	single groove	
624-16	11/32	10	machined	351C 4-groove	

FASTENERS



SCREW-IN-STUDS

Part #	Application	Above Head
ENGINE PRO		
06-1100-16	289-351W	3/8" x 1.750"
06-1102-16	289-351W	3/8" x 1.895"
06-1103-16	351C	7/16" x 1.750"
ARP		
134-7101	289-351W	3/8" x 1.750"
134-7104	289-351W	3/8" x 1.895"
100-7101	ALL	7/16" x 1.900"

HEAD STUD KITS - Hex Head

Part #	Application
154-4001	289-302 7/16" factory heads
154-4005	289-302 inc 1/2" adapter t-washers
154-4003	351W 1/2"
154-4004	351C-351M-400

HEAD BOLTS - Hex Head

Part #	Application
154-3601	221-260-289-302
154-3605	289-302 inc 1/2" adapter t-washers
154-3603	351W
154-3604	351C-351M-400

SPECIAL HEAD BOLT WASHERS

For use with 7/16 head bolts and 351W type heads with 1/2" holes.

Part #	Application
200-8598	7/16 x .529 x .875 (10), 2-required

BALANCER BOLT KITS

Black oxide finish, 170,000 psi with 1/4" thick wide area washer

Part #	Application
150-2501	Most Ford, 5/8" hex
154-2501	Ford 351C, 5/8" hex

CONNECTING ROD BOLT KITS

Part #	Type	Application
154-6002	Standard	289-302 Std 5/16"
150-6004	Football style	351W, Boss 302 3/8"
154-6006	Square head	351W
154-6003	Standard	351C
154-6001	Standard	351-400

MAIN STUD KITS

Part #	Notes
154-5401	SB Ford 2-bolt
254-5501	SB Ford with windage tray
154-5608	SB Ford Dart Iron Eagle 4-bolt
154-5403	351W
154-5503	351W with windage tray
154-5404	351C 2-bolt
154-5604	351C 4-bolt

MAIN BOLT KITS

Part #	Notes
154-5001	SB Ford 2-bolt
154-5201	SB Ford 4-bolt
154-5003	351W 2-bolt
154-5004	351C-351M-400

CAMSHAFTS



HYDRAULIC LIFTER PERFORMANCE CAMSHAFTS

Part #	Engine	Dur @ .050	Adv Dur	Vlv Lift	Lobe Sep	RPM
		Int/Exh	Int/Exh	Int/Exh	Int/Exh	Range
MC4120	221, 255, 260, 289, 302, 62-93	190/202	258/271	.413/.427	106/114	1000-4000
MC1734	221, 255, 260, 289, 302, 62-93	204/214	280/289	.448/.472	108/116	1500-4000
MC2057	221, 255, 260, 289, 302, 62-93	214/224	288/300	.472/.496	108/116	2000-4500
MC2292	221, 255, 260, 289, 302, 62-93	231/231	288/288	.512/.512	106/114	2500-5800
MC1733	351C, 351M, 400, 70-82	204/214	282/292	.484/.510	106/118	1500-4000
MC1775	351W 69-95; 302HO 82-85	204/214	280/290	.448/.472	107/117	1500-4000
MC4225	351W 69-95; 302HO 82-85	219/219	308/308	.467/.467	107/119	2000-4000

DAMPERS & TIMING

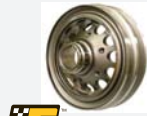
STREET PERFORMANCE HARMONIC DAMPERS

Part #	Application & Notes
PB1008-ST	289 3-bolt, counter-sunk pulley
PB1084-ST	302 HO 50 oz. 4-bolt
PB1060-ST	302-351W 28 oz. w/ countersunk pulley 4-bolt
PB1203-ST	302-351W 28 oz. 3-bolt; raised pulley
PB1009-ST	302-351W 28 oz. 3-bolt, counter-sunk pulley
PB1082-ST	351C
PB1479-ST	6" neutral balanced 3-bolt



NEW OE HARMONIC DAMPERS

Part #	Application & Notes
PB1008-N	1965-69 289; 3-bolt
PB1203-N	1968-69 302; 3-bolt; raised pulley
PB1205-N	1968-69 302; 4-bolt, raised pulley
PB1070-N	1970-79 302
PB-1084-N	1984-95 302
PB1009-N	1969-73 351W; 3-bolt, counter-sunk pulley
PB1082-N	1969-74 351-400



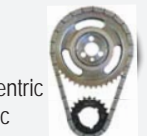
SFI RACE HARMONIC DAMPERS

Part #	Application & Notes
PB1203-SS	302-351W 28 oz. 3-bolt; raised pulley
PB1009-SS	302-351W 28 oz. 3-bolt, counter-sunk pulley
PB1060-SS	302-351W 28 oz. w/ countersunk pulley 4-bolt
PB1084-SS	302 HO 50 oz. 4-bolt
PB1082-SS	351C
PB1479-SS	6" neutral balanced 3-bolt
PB1086-SS	6.4" neutral balanced 4-bolt



TIMING SETS • STREET-STRIP .250 ROLLER

Part #	Application & Notes
08-1135R	289-351W 1965-early '72 w/1-piece fuel pump eccentric
08-1138R	302-351W late '72 on w/2-piece fuel pump eccentric
08-1121R	351C-351M-400



BILLET STEEL TIMING SET

Part #	Application & Notes
08-2003T-9R	289-351W 1965-early '72 w/1-piece fuel pump eccentric
08-2023T-9R	302-351W late '72 on w/2-piece fuel pump eccentric
08-2008T-9R	351C-351M-400



TIMING COVERS AND ACCESSORIES

Part #	Application & Notes
TC351A	289-302 351W 1969-84
TC351C	302-351W 1983-89 car, 83-86 truck
TC351E	302 1991-93 T-Bird & Cougar w/elect. fuel pump
TC351F	302-351W 1987-97 truck & van
TC351H	1994-95 Mustang, 96-01 Explorer & Mountaineer

ENGINESQUEST



ADJUSTABLE BILLET TIMING POINTER

Part #	Application & Notes
14-61930	289-351W 6.250-6.700"



LIFTERS & THRUST PLATES

Part # Application



LIFTERS

AT-2000B..... Small block mechanical
 HT-900B..... Small block hydraulic
 HT-900RB... Small block hydraulic performance

CAMSHAFT THRUST PLATES

MF125..... 289-302-351W '65-3/21/84 exc H.O.
 MF126..... 302-351W late 3.882" overall length
 CP460N..... 351C-351M-400

BOTTOM END



CAST STEEL CRANKSHAFTS

External balance; 302 & 351W 28oz balancer

Part #	Engine	Stroke	Min. Rod Length	Notes
103023250	302-331	3.25	5.400"	2.100" rod journals
103023400	302-347	3.40	5.400"	2.100" rod journals
103513750	351W-383	3.75	6.200"	2.100" rod journals
103513850	351W-392	3.85	5.965"	2.310" rod journals
103514000	351W-406	4.00	6.200"	2.100" rod journals

4340 STEEL CRANKSHAFTS

All Cranks Designed to be Internally Balanced



Part #	Engine	Stroke	Min. Rod Length	Notes
430232505400	302-331	3.25	5.400"	2.100" rod jrn. Ford width
430234005400	302-347	3.40	5.400"	2.100" rod jrn. Ford width
435137506200	351W-383	3.75	6.200"	2.100" rod journals
435140006200	351W-406	4.00	6.200"	2.100" rod journals
435141006200	351W-418	4.10	6.200"	2.100" rod journals
435142506300	351W-427	4.25	6.300"	2.100" rod journals

H-BEAM RODS FOR 289-302

Part #	c-c	wt	Notes
10-1009-8	5.400"	604g	2.123" rod jrn, .912" pin
10-1010-8	5.400"	604g	2.100" rod jrn, .927" pin
10-1011-8	5.400"	604g	2.123" rod jrn, .927" pin



EAGLE I-BEAM RODS

Part #	c-c	wt	Notes
5090FP	5.090"	525g	302 press fit
5090FB	5.090"	525g	302 bushed
5400CB	5.400"	550g	2.100" rod jrn. Ford width, .927" pin
5956FP	5.956"	570g	351W press fit
5956FB	5.956"	570g	351W bushed
6000BBLW	6.000"	590g	2.100" rod jrn, .927" pin
6200BBLW	6.200"	610g	2.100" rod jrn, .927" pin



EAGLE H-BEAM RODS

Part #	c-c	wt	Notes
5090F3D	5.090"	590g	302 bushed
5400C3D	5.400"	580g	2.100" rod jrn. Ford width, .927" pin
5780F3D	5.780"	660g	351C bushed
5956F3D	5.956"	675g	351W bushed
6000BBLW	6.000"	640g	2.100" rod jrn, .927" pin
6200B3D	6.200"	660g	2.100" rod jrn, .927" pin



PERFORMANCE OIL PUMPS

Part #	Engine	Notes
M-68HV	260-289-302	Hi-volume
M-68A	260-289-302	High pressure
10687	260-289-302	Select
10688	260-289-302	Select Hi-volume
M-83HV	351W	Hi-volume
10832	351W	Select
10833	351W	Select Hi-volume
M-84AHV	351C-351M-400	Hi-volume



MUSCLE ENGINE KITS



Original factory performance parts. Kits have forged or cast pistons as per spec. Lower compression pistons may be substituted for today's gasoline. Every effort has been made to match the correct cam and timing as those from the factory in hydraulic or mechanical lifter as per spec.

Feature: pistons; rings; rod, main, cam bearings; gasket set; spec'd camshaft; lifters, timing kit; oil pump; hardware.

Upgraded rings, oil pumps or bearings are also available.



- FK390-03R** Ford 390 "4V", 1966-69 rated at 320HP, 10.1:1 compression ratio, O.E.M. cam reference #C6AZ-6250-A hydraulic, single 4 bbl. carb
- FK428R** Ford 428 "4V", 1966-68 rated at 345HP, 10.25:1 compression ratio, O.E.M. cam reference #C6AZ-6250-A hydraulic, single 4 bbl. carb
- FK429-360HPR** Ford 429 "4V", 1968-71 rated at 360HP, 11:1 compression ratio, O.E.M. cam reference #C8SZ-6250-A hydraulic, single 4 bbl. carb

OE VALVES

Part	Type	Head	OAL	Stem	Tip Length
PERFORMANCE SERIES, Ford 429, 460					
01-1108-8	EXH	1.71	5.06	11/32"	.250 single groove
01-1109-8	EXH	1.76	5.06	11/32"	.250 single groove
01-1115.100-8	INT	2.19	5.3 (+.075)	11/32"	.250 single groove
01-1107.50-8	INT	2.25	5.271 (+.050)	11/32"	.250 single groove
COMPETITION SERIES, Ford FE					
01-2301-8	EXH	1.655	5.435	3/8"	.330
01-2300-8	INT	2.09	5.45	3/8"	.330



RETAINERS

Part #	Type	Diameter-2	Diameter-3	Stem	Degree	Material
03-1005-16	1.440"	1.050	0.700	3/8	7	360-428
03-1003-16	1.440"	1.050	0.700	11/32	7	429-460
03-1002-16	1.440"	1.050	0.700	all	10	4140
03-1009-16	1.500"	1.120	0.705	all	10	4140
03-1014-16	Beehive	1.050"	0.640	all	10	4140
03-1730-16	1.437"	1.065	0.700	all	10	titanium
03-1732-16	1.500"	1.110	0.710	all	10	titanium
03-01794-16	Beehive	1.050"	0.640	all	10	titanium



PERFORMANCE VALVES

5000 SERIES

Part #	Engine, Type	Head	Stem	Length	Groove
F5045	429-460 Exh.....	1.710	11/32	5.060	..... 1
F5145	429-460 Exh.....	1.760	11/32	5.060	..... 1
F5037	429-460 Int.....	2.190	11/32	5.300	..... 1
F5031	429-460-Int.....	2.250	11/32	5.271	..... 1

6000 SERIES

F6212	427-428 Exh.....	1.655	3/8	5.435	..... 1
F6210	427-428 Int.....	2.090	3/8	5.450	..... 1
F6124	429-460 Exh.....	1.710	11/32	5.060	..... 1
F6139	429-460 Int.....	2.190	11/32	5.275	..... 1
F6129	429-460-Int.....	2.250	11/32	5.271	..... 1



VALVE LOCKS

Part #	Stem	Degree	Type	Groove	Installed
04-1005-32	3/8	7	machined	single groove	360-428
04-1006-32	3/8	10	machined	single groove	360-428
04-1000-32	11/32	7	hardened	single groove	429-460
04-1001-32	11/32	7	machined	single groove	429-460
04-1002-32	11/32	10	machined	single groove	429-460



COMP PART #

641-16	3/8	7	machined	single groove	360-428
612-16	3/8	10	machined	single groove	360-428
648-16	11/32	7	machined	single groove	429-460
611-16	11/32	10	machined	single groove	429-460



VALVE SPRINGS

FACTORY PERFORMANCE AND RV CAM

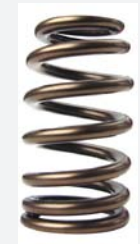
Part #	Desc	Outside Dia.	Inside Dia.	Closed Pressure	Open Pressure	Coil Bind
02-0909X-4	390HP-428CJ	1.472	1.072	85-95# @ 1.820	209-231# @ 1.380	1.320
32-961-D	429-460HP	1.522	1.072	88-98# @ 1.820	299-331# @ 1.390	1.270

ENGINE PRO PERFORMANCE

02-1005-16	Single w/damper	1.476	1.100	109# @ 1.800	317# @ 1.300	1.140
02-1007-16	Single w/damper	1.539	1.110	122# @ 1.900	309# @ 1.400	1.200
02-1202-16	Beehive	1.445	0.650	155# @ 1.880	377# @ 1.280	1.21
02-1012-16	Dual	1.509	1.125/0.697	112# @ 1.900	355# @ 1.200	1.175

COMP

940-16	Single w/damper	1.464	1.080	105# @ 1.850	237# @ 1.300	1.200
926-16	Single w/damper	1.476	1.100	109# @ 1.800	317# @ 1.300	1.140
26120-16	Beehive	1.445	0.650	155# @ 1.880	377# @ 1.280	1.21
924-16	Dual	1.509	1.125/0.697	112# @ 1.900	355# @ 1.200	1.175
930-16	Dual	1.550	1.150/0.795	153# @ 1.900	383# @ 1.250	1.160
954-16	Dual	1.525	1.111/0.730	210# @ 1.900	548# @ 1.250	1.170



GUIDE PLATES

Part# Application Pushrod Dia.

ENGINE PRO

05-1015-8	429-460	5/16	Stepped
05-1014-8	429-460	3/8	Stepped

COMP CAMS

4834-8	429-460	5/16	
4838-8	429-460	3/8	



SCREW-IN-STUDS

Part # Engine Above Head
06-1103-16 429-460 7/16" x 1.750"

ARP PART #

100-7101 429-460 7/16 x 1.900"



FASTENERS

O.E. HEAD BOLTS

Part# Application
38-370N..... 370-429-460

HEAD BOLTS

Part# Application
155-3601 390-428 FE stock & Edelbrock heads
255-3701 429-460 stock heads
155-3603 429-460 w/Edelbrock heads

HEAD STUDS

155-4001 390-428 FE stock & Edelbrock heads
155-4003 429-460 FE stock & Edelbrock heads

CAM BOLTS

155-1002 390-428 FE 7/16-14
155-1001 429-460 3/8-16
255-1001 429-460 Pro Series

HARDWARE KITS

FKF-2..... 1958-76 332-428 FE
FKF-3..... 1968-87 370-460
FKF-3A 1988-97 460

BALANCER BOLT

150-2501Most Ford, 5/8" hex



ROCKER ARM & SHAFT

Part# Application
R-859.....Rocker 360-428 FE non-adj.
RS-641Shaft 360-428 FE
RK-547Rocker Kit 429-460 Fulcrum style
R-887.....Rocker Arm 429 Cast
RM-1790-16.....Rocker Ball 429



GAMSHAFTS



FACTORY PERFORMANCE AND RV CAM

Part # Dur @ .050 Int/Exh Adv Dur Int/Exh Vlv Lift Int/Exh Lobe Sep Int/Exh RPM Range

'63 - '76: 330, 352, 359, 360, 361, 389, 390, 391, 406, 410, 427, 428

MC1776	204/214	270/282	.484/.510	104/120	1500-4000
MC4205	214/224	292/302	.510/.536	104/120	2000-4500

1968 - 1997 -- 370, 429, 460, 512 C.I.

MC1732	204/214	270/280	.485/.512	107/117	1500-4000
MC2311	214/224	292/302	.511/.544	107/117	2000-4800

HIGH ENERGY HYDRAULIC STREET CAMS

Application RPM Range Int / Exh Duration @ .050 Grind

Ford 352-428 FE

33-224-3 1500-5500 .494/.494 218/218 268H

Ford 429-460

34-227-4 1500-5500 .494/.494 218/218 268H

MAGNUM CAMS FOR STREET & STRIP

Ford 352-428 FE

33-226-4 1800-5800 .519/.519 224/224 270H
33-230-4 2000-6000 .530/.530 230/230 280H

Ford 429-460

34-229-4 1800-5800 .519/.519 224/224 270H
34-331-4 2000-6000 .530/.530 230/230 280H

THUMPR™ HYDRAULIC FLAT TAPPET CAMS

Part # Nickname RPM Range Inches Lift Int / Exh Degrees Duration@.050 Lobe Angle

Ford 352-428 FE

33-600-5	Thumpr	2000-5800	.506/.493	226/241	107
33-601-5	Mutha'Thumpr	2200-6100	.519/.503	234/249	107
33-602-5	Big Mutha'Thumpr	2500-6400	.531/.515	242/257	107

Ford 429-460

34-600-5	Thumpr	2000-5800	.506/.493	226/241	107
34-601-5	Mutha'Thumpr	2200-6100	.519/.503	234/249	107
34-602-5	Big Mutha'Thumpr	2500-6400	.531/.515	242/257	107

HARMONIC DAMPERS

NEW OE HARMONIC DAMPERS

Part # Application & Notes
PB1111-N 1967-76 390-428 no pulley grooves

STREET PERFORMANCE HARMONIC DAMPERS

PB1111-ST 390 FE internal balanced
PB1210-ST 429-460 int/ext balance

SFI RACE HARMONIC DAMPERS

Part # Application
PB1111-SS 390 FE internal balanced 7"
PB1210-SS 429-460 int/ext balance 6.62"



APPLICATION

OIL PUMPS



PERFORMANCE OIL PUMPS

Passenger car listings:

Part#	Description
M-57B	390-428 Special, Police CJ
M-57HP	406-427 High Pressure
M-57HV	360-428 Hi-Volume 25% increase
M-84B	429 Special, Police, CJ, SCJ
M-84BHV-S	429-460 Hi-volume w/screen for 8-1/4" pan depth
M-84EHV-S	429-460 Hi-volume w/screen for 8-5/8" pan depth



OIL PUMP STUDS



Aircraft 8740 chrome moly. Black oxide finished hex head.

Part#	Description
154-7005	Ford Oil Pump Screen Studs



OIL PUMP DRIVE SHAFTS

Part #	Engine	Brand
IS60	352-428 FE	Melling
IS84A	429-460	Melling
154-7902	352-428 FE	ARP
154-7903	429-460	ARP



PISTONS

FORGED



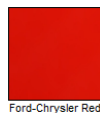
Part #	Engine	Style	Ratio @ cc Head	Comp Height	Ring Notes
L2291F	390	Flat Top	9.5:1; 71cc	1.776"	5/64 X 3/32 X 3/16
L2303NF	428	.085" Dish	10.35:1; 71cc	1.674"	5/64 X 5/64 X 3/16
L2366F	429CJ	Flat Top	10.8:1; 77cc	1.890"	5/64 X 5/64 X 3/16
L2404F	460	.180" Dish	9.3:1; 77cc	1.756"	5/64 X 5/64 X 3/16

STOCK OE

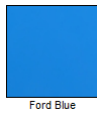


Part #	Application	Style	Comp.Hgt.	Ring Notes
H395P	360 & 390	Flat Top	1.759"	5/64 X 3/32 X 3/16
H304P	390	.080" Dish	1.759"	5/64 X 3/32 X 3/16
381NP	390	.097" Dish	1.660"	5/64 X 3/32 X 3/16
354P	428	.120" Dish	1.674"	5/64 X 5/64 X 3/16
413AP	429 Passenger	.120" Oblong Dish	1.883"	5/64 X 5/64 X 3/16
H418CP	460 Passenger	.240" Oblong Dish	1.752"	5/64 X 5/64 X 3/16

ENGINE PAINT



Part #	Color
T-11-A	Ford Blue
T-17-A	Mustang Dark Blue
T-12-A	Ford Red
T-37-A	Ford Gray
T-26-A	Gloss Black



CRANKSHAFTS

CAST STEEL CRANKSHAFTS



Part #	Engine	Stroke
104283980	Stock 428	3.980; internal balanced
104284150	390-427-428	4.150internal balanced w/ 2.200" rod journal
104284250	390-427-428	4.250internal balanced w/ 2.200" rod journal
104603850	Stock 460	3.850; internal balanced
104604140	429-460	4.140internal balanced w/ 2.200" rod journal
104604300	429-460	4.300internal balanced w/ 2.200" rod journal
104604500	429-460	4.500internal balanced w/ 2.200" rod journal

4340 STEEL CRANKSHAFTS



Designed for Internal Balance

Part #	Engine	Stroke	Notes
446041402200	429-460	4.140	2.200" rod journal 6.700 min. rod length
446043002200	429-460	4.300	2.200" rod journal 6.700 min. rod length
446045002200	429-460	4.500	2.200" rod journal 6.700 min. rod length

CONNECTING RODS

I-BEAM RODS



Part #	C-C	WT	Notes
6605FP	6.605"	790g	429-460 press fit
6605FB	6.605"	790g	429-460 bushed
6700B	6.700"		2.200" rod journal, .990" pin
6800B	6.800"		2.200" rod journal, .990" pin

H-BEAM RODS

Include ARP 8740 bolts.



Part #	Engine	Stroke	Notes
6490F3D	6.490"	805g	390-428 FE
6605F3D	6.605"	835g	429-460
67003D	6.700"	815g	2.200" rod journal, .990" pin
68003D	6.800"	815g	2.200" rod journal, .990" pin

FASTENERS

CONNECTING ROD BOLT KITS



170,000 PSI

Part#	Description
155-6001	428 CJ 11/32"
155-6002	330-428 FE
155-6003	429-460
150-6004	Boss 429



MAIN BOLT KITS

170,000 PSI

Part#	Description
155-5201	390-428 FE
155-5202	429-460



MAIN STUD KITS

8740 chrome moly studs, nuts and washers. Rated at 190,000 PSI

Application	2-Bolt mains	4-Bolt mains
390-428 FE	155-5401	
429-460	155-5402	155-5501
429-460 w/ Ford MS windage tray	255-5502	255-5702



APPLICATION

MASTER ENGINE KITS

Feature: coated pistons, rings, rod, main, cam bearings, gasket set, head bolts, 16 roller lifters, timing set, oil pump and freeze plugs. *Roller cam not included.



4.6L SOHC VIN-X, Vin-6, Windsor, Cars only

Part # Years Notes

FK281-07R	1996-1998	
FK281-07AR	1999	w/ improved version pistons
FK281-07BR*	2000	w/ improved version pistons
FK281-07CR*	2001	w/ improved version pistons, w/o crank gear & cams



5.4L SOHC 16V VIN L & M, Truck except Lightning

Part # Years Notes

FK330-01AR*	7/20/97-1998	coated pistons
FK330-01CR*	1999	coated pistons
FK330-01ER*	2000-2003	coated pistons



VALVES

6000 SERIES



Ford 4.6L 32 Valves

Part #	Type	Head, Stem, Length	Notes
F6277	Int	37mm 7mm 135.9mm	3 radial groove stock
F6278	Exh	30mm 7mm 117.1mm	3 radial groove stock

Ford 4.6L 16 Valves

Part #	Type	Head, Stem, Length	Notes
F6273	Int	1.780 .274 4.712	3 radial groove stock
F6274	Exh	1.450 .274 4.656	3 radial groove stock



VALVE LOCKS

- Heat treated
- 7 degree



Part #	Application	Qty	Description
34-281	4.6 & 5.4L 2-valve	requires 32	3-groove 7mm stem
34-03722	4.6 & 5.4L 3-valve	requires 48	3-groove 6mm stem
34-281	4.6 & 5.4L 4-valve	requires 64	3-groove 7mm stem

BEEHIVE SPRINGS



E Part #	O.D.	I.D.	Closed Pressure	Open Press	Rate	Bind
02-1200-16	1.061	0.636	80# @ 1.640	185# @ 1.090	191	1.020

COMP Part

26113-16	1.061	0.636	78# @ 1.650	183# @ 1.100	191	0.952
26125-16	1.310	0.650	117# @ 1.650	285# @ 1.100	258	0.970
26123-32	1.105	0.580	96# @ 1.450	242# @ 1.000	324	0.900
26113-24	1.061	0.636	80# @ 1.640	185# @ 1.090	191	1.020

RETAINERS

For use with Beehive Springs



ENGINE PRO

EPart #	Diameter-1	Diameter-2	Stem	Degree	Material
03-1012-16	0.930	0.630	7mm	7	4140



COMP CAMS

792-16	0.930	0.630	7mm	7	4140
799-32	0.900	0.570	7mm	7	4140
700-24	1.050	0.640	6mm	7	4140
791-16	0.930	0.630	7mm	7	titanium
798-32	0.900	0.570	7mm	7	titanium
702-24	0.930	0.630	6mm	7	titanium

XTREME ENERGY CAMS

4.6L & 5.4L SOHC Modular

1991-Present w/o Power Improvement Heads



*Additional valve train required

Part #	RPM	Adv Dur Int/Exh	Dur @ .050" Int/Exh	Valve lift @ 1.825:1	lobe Sep
102100*	1200-5200	262/270	224/232	.500/.500	114
102200*	1600-5600	268/274	230/236	.500/.500	114
102300*	2000-6000	274/278	236/240	.500/.500	114

4.6L & 5.4L SOHC Modular

1999-Present with Power Improvement Heads

102500*	1400-5400	262/266	226/230	.550/.550	113
102600*	1800-5800	270/274	234/238	.550/.550	113
102700*	2200-6200	278/282	242/246	.550/.550	113

(*Comp states that these cams should be used with 10246SET cam gear set.)



FASTENERS



CAM BOLT

Pro Series, 200,000 psi, one per cam required

Part #	Socket size	Thread	UHL	Qty
256-1002	18mm	M10 x 1.5	1.700	1 per cam
256-1001	18mm	M12 x 1.5	1.800	1 per cam

HEAD STUDS



Part #	Application	Description
156-4101	4.6 & 5.4L 2V/4V	hex nuts
256-4001	4.6 & 5.4L 2V/4V	ARP2000 hex nuts
256-4002	4.6 & 5.4L 3V	ARP2000 hex nuts

CRANKSHAFTS

- 8-bolt flange
- Requires 8-bolt flywheel

- Designed with center counter weight



- Some clearancing required when using in non-Cobra blocks

Part #	Material	Stroke	Rod length	Main size	Rod size
428135545933	4340	3.554	5.933	2.851	2.086
428137505950	4340	3.750	5.850	2.851	1.899
102813554	Cast	3.554	5.933	2.851	2.086
102813750	Cast	3.750	5.950	2.851	1.899

TIMING SETS

- 2-Black oxide coated cam gears • 2-Billet steel 9-key crank sprockets, heat treated and black oxide coated • 2,4,6,8 degree adjustment
- Cam and crank spacers • O.E. Replacement chains, tensioners and guides

Part #	Application	VIN
08-7089	4.6L 2-V SOHC 1996-98 vin x, 96-00 vin W,6,9	
08-7123	4.6L 2-V SOHC 1999-02 vin X	
08-7123A	Sprocket and spacer kit only	



O.E. TIMING KITS

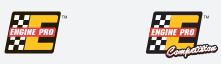
Part #	Application	VIN
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- 4.6L
- 0185SA.....93 SOHC Romeo Crown Victoria; W
 - C6128S.....93-95 DOHC Mustang Cobra; V, W, 9
 - 0387S.....94-95 SOHC Crown Vic. & T-Bird; W
 - C6129S.....96-97 DOHC Mustang Cobra;
 - C6089S.....96-98 SOHC Mustang, 96-99 Crown Vic. & T-Bird; X; W, 6, 9-CNG
 - C6089S.....98-01 SOHC Romeo E150, E250, F150, F250, Exped.; 6, 9
 - C6130S.....98-00 DOHC Mustang Cobra; V
 - C6123S.....99-10/02 SOHC Mustang; 97-01 E150, E250, F150, Exped. Non-integrated; X; 6; W
 - C6105S.....00-10/02 Crown Victoria; 02-10/02 E150, E250, F150, Explorer, Exped.; W, 9-CNG; 9
 - C6131S.....01 DOHC SVT Cobra; V
 - C6169S.....11/02-04 SOHC Mustang & Crown Victoria; X; W, 9, H-CNG
 - C6169S.....11/02-10 Windsor E150, E250, Explorer, F150, F250; W, 8, 9, H
 - C6150S.....03-05 DOHC Mustang except Cobra; R
 - C6086S.....97-99 SOHC Integrated Sprockets E150, E250, F150, Expedition; 6
 - C6164S.....00 SOHC Expedition; 6
 - C6197S.....02-04 SOHC Romeo F150; 06-07 Romeo E150-250, Explorer, Exped., F150; 6; W
- 5.4L
- C6100S.....00 DOHC Mustang SVT Cobra; H
 - C6119S.....05-06 DOHC Integrated Sprockets GT, Mustang Shelby GT500; S; A, R, 5
 - C6119S.....03-05 E-F-150, E-F-250, E-350 & RV, Exped.
 - C6207S.....07-10 DOHC Mustang; S
 - C6078S.....97-00 SOHC Integrated Sprockets; 2001; L, M, 3, E, Z
 - C6078S.....E-F-150, E-F-250, E-350 & RV, Exped.;
 - C6205S.....01 SOHC E-F-150, E-F-250, E-350 & RV, Exped.; L
 - C6112S.....02-03 SOHC Integrated Sprockets E-F-150, E-F-250, E-350 & RV, Exped.; E, Z
 - C6112S.....04-07 24-V SOHC with cam phazers; 5, Z
 - C6121S.....02-07 SOHC E150-450, Excursion; L, M
 - C6165S.....04-09 SOHC E-F-150, E-F-250, E-350 & RV, Exped.; L

HARMONIC BALANCERS

STOCK AND STREET PERFORMANCE

Nodular iron, balanced to OEM specs, Street Performance has etched timing marks



Stock #	Street Perf. #	Application & Notes
PB1187-N	PB1187-ST	4.6L Mustang 1996-02 V,X; 2003-04 R,X manual trans
PB1478-N	PB1478-ST	4.6L Crown Vic. 1992-00 6,9,W
PB1351-N		4.6L F150 1997-04 6,W 8-groove pulley to 8-2-04
PB1351-N		4.6L Explorer 2002 W, 8-groove pulley
PB1493-N		5.4L F150 1997-00 3,L,M,Z
PB1176-N		5.4L F150 2001-04 3,L,M,Z
PB-1116-N	PB1116-ST	5.4L F150 2004-05 vin 5

RACE SFI APPROVED BALANCER

CNC machined 1045 steel.

Part #	Application & Notes
PB1478-SS	4.6L Mustang & Crown Vic. 6.75" neutral balanced
PB81478-SS	4.6L Mustang & Crown Vic. 6.75" 8-rib super charged conversion
PBU1116-SS10	5.4L Mustang 6.35" dia. 10% underdrive neutral balance
PBK1116-SS25	5.4L Mustang 6.35" dia. 25% underdrive w water pump pulley kit



H-BEAM CONNECTING RODS



Eagle Part #	Engine	Bolts	Notes	wt	c-c length
5933F8740	4.6L	ARP 8740		605g	5.933"
5933F3D	4.6L	ARP 2000		605g	5.933"
5950F3D	4.6L stroker	ARP 2000	1.889" journal	560g	5.950"
6657F3D	5.4L	ARP 2000		630g	6.657"

FASTENERS

ROD BOLTS

Part #	Application
256-6301	4.6 / 5.4L "Cracked Rod" ARP2000 Pro Series



MAIN STUD KITS

- Black anodized 8740 chrome moly studs, nuts and washers. Rated at 200,000 psi.
- Side bolts sold separately



Application	2-bolt main	4-bolt main
4.6L/5.4L, 2V/3V/4V w/o windage tray	156-5401	156-5802
4.6L/5.4L, 3V with windage tray		156-5901
4.6L, 4V with windage tray		256-5701
4.6L supercharged Cobra with windage tray	156-5403	

Side Bolts	8-mm early	9-mm late
Cast iron block	156-5201	156-5202
Aluminum block	156-5001	156-5002

4.6L STUD GIRDLES

4.6L MAIN GIRDLES

5/16" 6061 T6 aluminum CNC billet aluminum main girdle includes ARP stud kit.

Part #	Description
14119	Girdle w/ ARP studs
14119-1	Girdle only



PERFORMANCE OIL PUMPS

- Billet steel rotors
- Anodized hard coated body
- Phosphate coated cover
- Use with stock pickup screen



Part #	Notes
10176	4.6L-X (281) SOHC & 1996-1998 & 1999-2002 Mustang GT-STD volume
10227	4.6L-R,V,Y-1996-99, 2001, 2003-04 DOHC Cobra Mustang
10340BR	4.6L 05-09 Mustang GT, Shelby GT, Bullit 24-valve (pressure adjustable)

SOLUTIONS

Part #	Description
S1268	Cam Phaser 5.4L 3-Valve 2004-on
CSB-46-2	Cam bolt 4.6 & 6.8L SOHC 2-valve
CSB-46-3	Cam bolt 4.6/5.4L 3-valve
RBF-046	Rod bolts 4.6L 1991-1992-16pk
RBF-4.6L	Rod bolts 4.6/5.4L 1993-on -16pk
MBS-046	Main bolt kit-10 main cap bolts, no side bolts
DP-280	Head dowel pins-10pk



MASTER ENGINE KITS

Feature: coated pistons, rings, rod bearings, main bearings, cam bearings, gasket set, head bolts, lifters, timing set, oil pump and freeze plugs.

TOP ENGINE KITS for 2015

Part #	Application
HOK097-02R	HONDA L4 1.6L D16Y7 1590CC SOHC 96-00 CIVIC, DEL SOL
HYK143-01R	HYUNDAI L4 2.4L G4JS 2350CC DOHC 16-V 99-06 OPTIMA
MIK122-10R	MITS L4 2.0L 4G63-T 1997CC DOHC TURBO 97-99 ECLIPSE, GALLANT
MIK146-05R	MITS L4 2.4L 4G64 2351CC SOHC 16-V 00-05 ECLIPSE, OUTLANDER
NIK152R	NISSAN L4 2.5L QR25DE 2488CC DOHC 16-V 02-06 ALTIMA, SENTRA, FRONTIER
SBK150-01R	SUBARU H4 2.5L EJ251-253 2458CC SOHC 16-V 00-04 PASSENGER AND TRUCK
TOK109-01R	TOY L4 1.8L 1ZZFE 1794CC DOHC 16-V 00-02 COROLLA, MATRIX XR, CELICA GT, MR2
TOK144R	TOY L4 2.4L 22RE 2364CC SOHC 8-V 85-95 CELICA, PU, 4-RUNNER
TOK164R	TOY L4 2.7L 3RZFE 2639CC DOHC 16-V 94-03 TACOMA, T100, 4-RUNNER
TOK180-01R	TOY V6 3.0L 2959CC SOHC 12-V 93-95 T100, PU, 4-RUNNER



ENGINE KITS



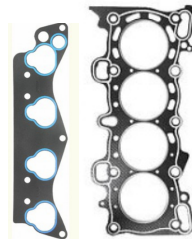
VALVES

6000 SERIES



Part #	Type	Head	Stem	Overall	Tip	Note
Acura Integra GSR DOHC V-TEC 1.7L (B17A1) 1992-93						
Acura Integra 1.8L (B18C1-C3) 1994-2000						
Honda DOHC V-TEC 1.6L 16 Valve Del Sol (B16A1) 1994-97						
Honda Civic SI (B16A3) 1999-2000						
F6049	E	28	5.45	102.5	2.5	25 deg stock size
F6048	I	33	5.47	102.35	2.5	25 deg stock size
Honda Prelude DOHC V-TEC 2.2L 16 valve (H22A1-A4)						
F6023	E	30	5.48	107.1	1.9	22 deg stock size
F6024	I	35	5.48	106.85	1.9	20 deg stock size
Mitsubishi Eclipse GS-GST 2.0L DOHC 16 Valve (4G63-4G63T) 1990-2000						
F6025	E	30.5	6.55	109.7	3.8	22 deg stock size
F6026	I	34	6.57	109.7	3.8	25 deg stock size
Toyota Supra 3.0L DOHC 24 Valve (7MGE-7MGTE) 1986-1992						
F6061	E	27.5	6	98.2	4	25 deg stock size
F6059	I	32	6	98.2	4	25 deg stock size

GASKETS



Part #	Application	Type
1149	Honda D16Z6, D16Y8	Head Gskt
1344	Honda D16Z6	Int Manifold
1346	Honda D16Y8 96-98	Int Manifold
1350	Honda D16Y8 99-00	Int Manifold
1469	Honda D16Z6, D16Y8	Exh Header
1153-1	Mits 4G63 2.0L	Head Gskt
1355	Mits 4G63-T 95-99	Int Manifold

PERFORMANCE BALANCERS

RACE SERIES BALANCERS

The Engine Pro Race series balancer brings the advantages of bonded balancers to high revving race and street/race applications where an SFI approval is required.

Part #	Application
PBU1104-SS25	Nissan 200SX 94-on SR20
PBU1171-SS25	Nissan Skyline GTR 2.6L
PBU1164-SS25	Subaru WRX EJ20T



Remanufactured Turbos Available



Part#	Model	Years	Engine	Turbo Type
30105	Audi A3	06-08	2.0T	K03
30423	Audi TT Quattro	02-06	1.8T	K04
30482	Mazda CX7	07-10	2.3L	K04
39515	Saab 9-3 Viggen	99-02	2.3L - B235R	TD04-15T
	Saab 9-5 Aero	00-05	2.3L - B235R	TD04-15T
39613	Subaru Baja	02-06	2.5L	TD04L
	Subaru Forester	04-07	2.5L	TD04L
	Subaru Impreza	02-07	2.5L	TD04L
	Sub WRX (non-STi)	02-07	2.0L / 2.5L	TD04L
39512	Volvo S40	00-04	1.9L	TD04L-12T
39504	Volvo C70	06-12	2.5L	K04 manifold
	Volvo S40, S50	04½-10	2.5L	K04 manifold
33044	VW Golf	99-01	1.8T	K03
	VW Jetta	00-01	1.8L	K03
	VW New Beetle	99-00	1.8L - AWW	K03

HEAD STUDS



Part #	Application
208-4302	.....Honda / Acura B18A1, 11mm (12 point nuts)
208-4303	.....Honda / Acura VTEC B18C1 GSR, 11mm (12 point nuts)
207-4201	.....Mitsubishi 4G63 to 1994 12mm (12 point nuts)
207-4203	.....Mitsubishi 4G63 to 1994-1999, 11mm (12 point nuts)

PERFORMANCE CAMSHAFTS



Part #	Dur @ .050"	Gross Lift
Honda D16Z6 1.6L SOHC 4 CYL w/ V-Tech		
59100	214/210	.440"/.400"
59300	220/216	.455"/.430"

Honda Acura Twin Cam V-Tech B16A, B17A, B18C, B18C5

57100	220/222	.310"/.297"
57200	238/240	.316"/.304"
57300	250/252	.322"/.310"

Comp offers a complete line of valve train products for Sport Compact



APPLICATION

ROTATING ASSEMBLIES



Kit #	Stroke	Disp	Rod	Piston	C.R.	Bore
Honda B18/B20, 8.340" deck height						
83101xxx	87.2mm	2.0L	5.43	Dish	9.1:1	84-85mm
84102xxx	89mm	2.0-2.1L	5.394	Flat	10.9:1	84-86mm
Honda H-series, 8.636" deck hgt., factory sleeves						
88101xxx	95mm	2.3L	5.571	DISH		87-87.25mm
Mitsubishi 4G63, 98-up 7-bolt 2.0L						
86140xxx	100mm	2.3L	5.9	Dish	8.5:1	+ 020 or 040

HONDA BLOCKS



These 355-T26 aluminum alloy Dart blocks feature steel main caps, accepts a standard oil pan, oil pump, water pump, alternator and belt tensioner.

Compatible with production Honda cylinder heads.

Part #	Deck Height	Application
31496702	226mm	B-20 block extra tall
31496802	226mm	B-20 block extra tall
31496701	211.5mm	B-18 block
31496801	211.5mm	B-18 block



BLOCK FASTENERS



Part #	Application
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MAIN STUDS

208-5402	Honda & VTEC B16A (12 point nut)
208-5403	Honda / Acura VTEC B18C1 (12 point nuts)
207-5401	Mitsubishi 4G63

ROD BOLTS

208-6001	Honda 1.2L to 1.6L 8mm High Perf. Series
208-6401	Honda / Acura 1.8L 9mm Pro Series
107-6001	Mitsubishi 4G63 to-1994 9mm High Perf. Ser.
107-6002	Mitsubishi 4G63 1994-1999 9mm, High Performance Series



POWER PAK PISTONS / RING SETS

Forged Piston For "High Stress" Performance Applications

Includes:

- 1.5mm/1.5mm/3.00mm "Plasma Moly" File Fit Low Friction Ring Sets
- 4032 Aluminum Alloy, CNC Precision Machined
- Phosphate Coated For Fast Break-In
- Grafal Skirt Coatings For Increased Horse Power
- F1-Style Round Wire Locks

**Flat Top Sets
Dome & Dish Sets**



Download the App Guide: www.us.mahle.com



NEW VALVE COVERS



Part #	Application
09-62025	Nissan 2.5L QR25DE



BEARING SETS

Engine Pro's OE style rod and main bearings are constructed using tri-metal alloys with a solid steel backing for rigidity.



Part #	Application
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ROD BEARINGS

11-1461P-4	ACURA 1.6L; HON 1.6L
11-1353P-4	ACURA 1.7L, 1.8L; HON 1.8L, 2.0L
11-1456P-4	ACURA 2.2L; HON 2.0L, 2.2L
11-1459P-4	HON 1.5L
11-1780P-4	HON 2.2L H22A1 V-TEC
11-1635P-4	MITO 2.0L 420A
11-966P-4	NISSAN 2.0L, 2.2L, 2.4L
11-1589P-4	NISSAN 2.4L
11-1591P-6	NISSAN 3.0L, 3.3L
11-988P-6	NISSAN 3.2L DIESEL
11-1657P-4	SUZ 2.2L SOHC
11-1218P-4	TOY 1.9L, 2.0L, 2.2L, 2.4L
11-1639P-4	TOY 2.2L DOHC
11-1625P-6	TOY 3.0L 3VZE



MAIN BEARINGS

12-1804P	ACURA 1.6L; HON 1.6L, 2.0L
12-2095P	ACURA 1.7L, 1.8L; HON 1.6L
12-2012P	ACURA 2.2L; HON 2.0L, 2.2L
12-1618P	HON 1.8L 2.0L
12-2234P	HYD 1.5L G4EK, FK
12-2244P	LEXUS 3.0L; TOY 3.0L 1MZFE
12-2046P	MAZDA 2.0L, 2.2L
12-2042P	NISSAN 2.0L, 2.2L, 2.4L
12-2074P	NISSAN 3.0L, 3.3L
12-1951P	NISSAN 3.0L VG30E
12-1590P	TOY 2.4L SOHC
12-2011P	TOY 3.0L 3VZE
12-1774P	TOY 3.0L 7MGE DOHC



THRUST WASHER SETS

13-587S	ACURA 2.2L; HON 2.0L, 2.2L
13-327S	HON 1.5L, 1.8L, 2.0L
13-601S	HON 1.6L, 2.0L
13-451S	HON 2.6L, ISUZU 2.6L
13-589S	LEXUS 3.0L; TOY 3.0L
13-230S	NISSAN 3.2L DIESEL
13-401S	TOY 1.5L, 1.6L
13-592S	TOY 2.0L, 2.2L
13-326S	TOY 2.2L, 2.4L
13-463S	TOY 2.4L
13-554S	TOY 3.0L



PERFORMANCE ENGINE BEARINGS

Trimetal cast copper-lead construction.
CB=rod bearings, MS=main bearings



Part #	Application	Years
CB1353H	Acura 1.8L DOHC B18A1/B18B1	1990-01
CB1785H	Acura 1.8L DOHC V-TEC B18C1	1994-01
CB1635H	Chrysler 2.0L SOHC/DOHC	1995-02
CB1774H	Ford 2.0L Zetec / DOHC	1995-03
MS2208H	Ford 2.0L Zetec / DOHC	1995-03
CB1777H	Honda 1.6L DOHC V-TEC B16A2/B16A3	1994-97
CB1780H	Honda 2.2L DOHC V-TEC H22A1/H22A4	1993-01
CB1628H	Toyota 3.0L 2JZGE/2JZGTE	1993-98

VALVE TRAIN KITS

- 1000-SERIES Valves
- Springs
- Locks
- Retainers
- Guide Plates
- Screw-In Studs
- UPGRADE to Competition Valves



SMALL BLOCK CHEVY

Kit No. _____ Valve Sizes _____

Street performance Kits to .450" lift, 80# @ 1.700"

Includes: Valve springs #02-1000-16, retainers #ER3974, hardened locks #04-1000-32 and stainless steel 1000-Series Valves.

SBC-HK1 1.94-1.50
SBC-HK1A 2.02-1.60

Add: guide plates #05-1000-8 & screw-in studs # RM651-16

SBC-HK1-CK 1.94-1.50
SBC-HK1A-CK 2.02-1.60

High Performance Kits to .500" Lift, 110# @ 1.700"

Includes: Valve springs #02-1001-16, retainers #ER3974, hardened locks #04-1000-32 and stainless steel 1000-Series Valves.

SBC-HK2A 1.94-1.50
SBC-HK2 2.02-1.60

Add: guide plates #05-1000-8 & screw-in studs # RM651-16

SBC-HK2A-CK 1.94-1.50
SBC-HK2-CK 2.02-1.60

Mild Race lift, 135# @ 1.750"

Includes: Valve springs #02-1002-16, retainers #03-1000-16, machined locks #04-1001-32 and stainless steel 1000-Series Valves.

SBC-HK3A 1.94-1.50
SBC-HK3 2.02-1.60

Add: guide plates #05-1000-8 & screw-in studs # RM651-16

SBC-HK3A-CK 1.94-1.50
SBC-HK3-CK 2.02-1.60

Mild Race Kits to .650" lift, 135# @ 1.750" or 120# @ 1.800", Hi-lift Hyd. Or Hyd. Roller

Includes: Dual valve springs #02-1004-16, retainers #03-1002-16, 10 deg. machined locks #04-1002-32 and stainless steel 1000-Series Valves.

SBC-HK5 2.02-1.60 std length
SBC-HK5A 2.02-1.60 +.100" length

Add: guide plates #05-1000-8 & screw-in studs # RM651-16

SBC-HK5-CK 2.02-1.60 std length
SBC-HK5A-CK 2.02-1.60 +.100" length

Race Kits to .650" lift, 141# @ 1.750" or 135# @ 1.800", Hi-lift Mech. Cam

Includes: Dual valve springs #02-1003-16, retainers #03-1002-16, 10 deg. machined locks #04-1002-32 and stainless steel 1000-Series Valves.

SBC-HK6 2.02-1.60 std length
SBC-HK6A 2.02-1.60 +.100" length
SBC-HK6B 2.055-1.60 +.100" length

Add: guide plates #05-1000-8 & screw-in studs # RM382-16 (7/16")

SBC-HK6-CK 2.02-1.60 std length
SBC-HK6A-CK 2.02-1.60 +.100" length
SBC-HK6B-CK 2.055-1.60 +.100" length

BIG BLOCK CHEVY



Kit No. _____ Valve Sizes _____

Street Performance Kits to .660" lift, 112#@1.900" dual spring w/damper

Includes: Valve spring # 02-1012-16, retainer # 03-1005-16, machined locks # 04-1005-16 and stainless steel 1000-series Valves.

BBC-HK1 2.065-1.720
BBC-HK1A 2.190-1.880

Add: guide plates #05-1002-8, screw-in studs #06-1103-16 & seals # 35-375V-16

BBC-HK1-CK 2.065-1.720
BBC-HK1A-CK 2.190-1.880

Mild Race Kits to .700" lift, 138#@1.950" dual spring w/damper

Includes: Valve spring # 02-1015-16, retainer # 03-1007-16, 10 degree machined locks # 04-1006-16 and stainless steel 1000-Series Valves.

BBC-HK2 2.065-1.720
BBC-HK2A 2.190-1.880

Add: guide plates #05-1002-8, screw-in studs #06-1103-16 & seals # 35-375V-16

BBC-HK2-CK 2.065-1.720
BBC-HK2A-CK 2.190-1.880

Race Kits to .625" lift, 204#@1.900" dual spring w/damper

Includes: Valve spring # 02-1014-16, retainer # 03-1007-16, 10 degree machined 11/32" locks # 04-1002-16 and 11/32" stainless steel 2000-Series Valves.

BBC-HK3 2.250+.100" length - 1.880+.100" length
BBC-HK3A 2.300+.100" length - 1.880+.100" length
BBC-HK3B 2.250+.250" length - 1.880+.100" length
BBC-HK3C 2.300+.250" length - 1.880+.100" length

Add: guide plates #05-1002-8, screw-in studs #06-1103-16 & seals # 35-529V-16

BBC-HK3-CK 2.250+.100" length - 1.880+.100" length
BBC-HK3A-CK 2.300+.100" length - 1.880+.100" length
BBC-HK3B-CK 2.250+.250" length - 1.880+.100" length
BBC-HK3C-CK 2.300+.250" length - 1.880+.100" length

Solid Roller Kits to .700" lift, 204#@1.900" dual spring

Includes: Valve spring # 02-1009-16, retainer # 03-1009-16, 10 degree machined 11/32" locks # 04-1002-16 and 11/32" stainless steel 2000-Series Valves.

BBC-HK4 2.250+.100" length - 1.880+.100" length
BBC-HK4A 2.300+.100" length - 1.880+.100" length
BBC-HK4B 2.250+.250" length - 1.880+.100" length
BBC-HK4C 2.300+.250" length - 1.880+.100" length

Add: guide plates #05-1002-8, screw-in studs #06-1103-16 & seals # 35-529V-16

BBC-HK4-CK 2.250+.100" length - 1.880+.100" length
BBC-HK4A-CK 2.300+.100" length - 1.880+.100" length
BBC-HK4B-CK 2.250+.250" length - 1.880+.100" length
BBC-HK4C-CK 2.300+.250" length - 1.880+.100" length

LS1 - GEN III & IV GM

Kit No. _____ Valve Sizes _____

Street/Strip Performance Kits to .600" lift, 130#@1.800" beehive spring

Includes: Valve spring # 02-1201-16, retainer # 03-1015-16, machined locks # 04-1007-16 and stainless steel 2000-Series Valves.

LS1-HK1 2.02-1.57
LS1-HK1A 2.02-1.60



VALVE TRAIN KITS

BIG BLOCK CHRYSLER



Kit No. _____ Valve Sizes _____

Street-Strip Kit to .650" lift, 112#@1.900" dual spring w/damper
Includes: Valve spring # 02-1012-16, retainer # 03-1005-16, machined locks # 04-1005-32 and stainless steel 1000-Series Valves with .250" tip.

BBM-HK2.....2.08-1.740 (4.910"-OAL)

SMALL BLOCK FORD

Kit No. _____ Valve Sizes _____

Street HP Kits to .550" lift, 124#@1.800" single spring w/damper
Includes: Valve spring # 02-1018-16, retainer # 03-1003-16, hardened locks # 04-1000-16 and stainless steel 1000-Series Valves with .395" tip.

SBF-HK1.....1.78-1.46 (5.070"-OAL)

Add: guide plates #05-1003-8 & screw-in studs #06-1102-16

SBF-HK1-CK1.78-1.46 (5.070"-OAL)

Mild Race Kits to .550" lift, 135#@1.750" dual spring w/damper
Includes: Valve spring # 02-1004-16, retainer # 03-1003-16, hardened locks # 04-1000-16 and stainless steel 1000-Series Valves with .250" tip.

SBF-HK2.....2.02-1.60 (4.910"-OAL)

SBF-HK2A1.94-1.60 (4.910"-OAL)

Add: guide plates #05-1003-8 & screw-in studs #06-1102-16

SBF-HK2-CK2.02-1.60 (4.910"-OAL)

SBF-HK2A-CK1.94-1.60 (4.910"-OAL)

Race Kits to .550" lift, 141#@1.750" dual spring w/damper
Includes: Valve spring # 02-1003-16, retainer # 03-1003-16, machined locks # 04-1001-16 and stainless steel 1000-Series Valves with .250" tip.

SBF-HK3.....2.02-1.60 (4.910"-OAL)

SBF-HK3A1.94-1.60 (4.910"-OAL)

Add: guide plates #05-1003-8 & screw-in studs #06-1102-16

SBF-HK3-CK2.02-1.60 (4.910"-OAL)

SBF-HK3A-CK1.94-1.60 (4.910"-OAL)

Race Kits to .600" lift, 127#@1.850" dual spring w/damper
Includes: Valve spring # 02-1011-16, retainer # 03-1010-16, machined locks # 04-1001-16 and stainless steel 5000-Series Valves with .395" tip.

SBF-HK4.....1.94-1.60 (5.075"-OAL)

SBF-HK4A1.85-1.55 (5.075"-OAL)

Add: guide plates #05-1003-8 & screw-in studs #06-1102-16

SBF-HK4-CK1.94-1.60 (5.075"-OAL)

SBF-HK4A-CK1.85-1.55 (5.075"-OAL)

PONTIAC



Kit No. _____ Valve Sizes _____

Street-Strip Kit to .600" lift, 130#@1.700" dual spring w/damper
Includes: Valve spring # 02-1010-16, retainer # 03-1010-16, hardened locks # 04-1000-32 and stainless steel 1000-Series Valves with .250" tip.

PON-HK1.....2.110-1.770 (5.110"-OAL)

500-SERIES VALVES



Street Performance

- 21-2N Stainless steel
- One-piece forging
- Under cut stems
- Chrome Plated Stem
- CNC Machined
- Hard Tips



Part #	Type	Head Diameter	Stem Diameter	Installed Height	Overall Length	Tip Length
SB Chevy						
01-5000-8	EXH	1.500	11/32"	STOCK	4.910	.250
01-5001-8	EXH	1.600	11/32"	STOCK	4.910	.250
01-5002-8	INT	1.940	11/32"	STOCK	4.910	.250
01-5003-8	INT	2.020	11/32"	STOCK	4.910	.250

1000-SERIES VALVES



Street, Mild Drag & Oval Racing

- 21-2N Stainless steel
- One piece forging
- Under cut stems
- Hard chrome plated stems
- Fully CNC machined
- Hard Tips



Part #	Type	Head	Stem	Height	Length	Tip
SB Chevy						
01-1000-8	EXH	1.500	11/32"	STOCK	4.910	.250
01-1001-8	EXH	1.600	11/32"	STOCK	4.910	.250
01-1000.100-8	EXH	1.500	11/32"	+100	5.010	.256
01-1001.100-8	EXH	1.600	11/32"	+100	5.010	.250
01-1002-8	INT	1.940	11/32"	STOCK	4.910	.250
01-1002.100-8	INT	1.940	11/32"	+100	5.010	.256
01-1003-8	INT	2.020	11/32"	STOCK	4.910	.250
01-1003.100-8	INT	2.020	11/32"	+100	5.010	.250
01-1007-8	INT	2.055	11/32"	STOCK	4.910	.250
01-1007.100-8	INT	2.055	11/32"	+100	5.010	.250
01-1008-8	INT	2.080	11/32"	STOCK	4.910	.250
01-1008.100-8	INT	2.080	11/32"	+100	5.010	.250
BB Chevy						
01-1011-8	EXH	1.720	3/8"	STOCK	5.352	.250
01-1004-8	EXH	1.880	3/8"	STOCK	5.352	.250
01-1014.100-8	EXH	1.880	11/32"	+100	5.425	.250
01-1115.100-8	INT	2.190	11/32"	+100	5.300	.250
01-1010-8	INT	2.065	3/8"	STOCK	5.228	.250
01-1005-8	INT	2.190	3/8"	STOCK	5.228	.250
01-1032-8	INT	2.250	3/8"	STOCK	5.271	.225
BB Chrysler						
01-1310-8	EXH	1.740	3/8"	STOCK	4.910	.290
01-1311-8	INT	2.080	3/8"	STOCK	4.875	.290
SB Ford						
01-1102-8	EXH	1.460	11/32"	STOCK	5.070	.250
01-1101-8	INT	1.780	11/32"	STOCK	5.070	.250
Ford 351C, Boss 320, 429, 460						
01-1108-8	EXH	1.710	11/32"	STOCK	5.060	.250
01-1109-8	EXH	1.760	11/32"	STOCK	5.060	.250
01-1107.50-8	INT	2.250	11/32"	+050	5.271	.250
Ford 351W & GT40 Head						
01-1105-8	EXH	1.550	11/32"	STOCK	5.075	.395
Pontiac 400-455						
01-1500-8	EXH	1.770	11/32"	STOCK	5.110	.250
01-1501-8	INT	2.110	11/32"	STOCK	5.095	.250

2000-SERIES VALVES

Great for Drag and Oval Track

- 21-4N Stainless Steel
- One Piece Forgings
- Hard Chrome Plated Stems
- Under Cut Stems
- Swirl Polished
- Hard Tips



Part #	Type	Head	Stem	Height	Length	Tip
SB Chevy						
01-2000-8	EXH	1.500	11/32"	STOCK	4.910	.250
01-2062.050-8	EXH, <small>wo uc</small>	1.500	11/32"	+050	4.960	.250
01-2001-8	EXH	1.600	11/32"	STOCK	4.910	.250
01-2001.050-8	EXH	1.600	11/32"	+050	4.960	.250
01-2001.100-8	EXH	1.600	11/32"	+100	5.010	.250
01-2001.150-8	EXH	1.600	11/32"	+150	5.060	.250
01-2001.250-8	EXH	1.600	11/32"	+250	5.160	.250
01-2002-8	INT	1.940	11/32"	STOCK	4.910	.250
01-2061.050-8	INT, <small>wo uc</small>	1.940	11/32"	+050	4.960	.250
01-2002.050-8	INT	1.940	11/32"	+050	4.960	.250
01-2003-8	INT	2.020	11/32"	STOCK	4.910	.250
01-2003.050-8	INT	2.020	11/32"	+050	4.960	.250
01-2003.100-8	INT	2.020	11/32"	+100	5.010	.250
01-2007.100-8	INT	2.055	11/32"	+100	5.010	.250
01-2007.150-8	INT	2.055	11/32"	+150	5.060	.250
01-2008.100-8	INT	2.080	11/32"	+100	5.010	.250
01-2008.150-8	INT	2.080	11/32"	+150	5.060	.250

BB Chevy

01-2004-8	EXH	1.880	3/8"	STOCK	5.352	.250
01-2014.100-8	EXH	1.880	11/32"	+100	5.452	.250
01-2014.150-8	EXH	1.880	11/32"	+150	5.471	.250
01-2005-8	INT	2.190	3/8"	STOCK	5.228	.250
01-2012.250-8	INT	2.250	11/32"	+250	5.478	.250
01-2013.250-8	INT	2.300	11/32"	+250	5.478	.250

LS Chevy - Bead Lock

01-2204-8	EXH	1.550	.313	STOCK	4.915	.160
01-2200-8	EXH	1.570	.313	STOCK	4.915	.160
01-2201-8	EXH	1.600	.313	STOCK	4.915	.160
01-2202-8	INT	2.020	.314	STOCK	4.900	.160

FE Ford

01-2301-8 EXH	1.655	3/8	STOCK	5.435	.330
01-2300-8 INT	2.090	3/8	STOCK	5.450	.330

INCONEL ALLOY VALVES

- Marine And Supercharged Applications
- Exotic Alloy Designed For High Heat
- One-Piece Forging
- Swirl Polished
- Hard Tips



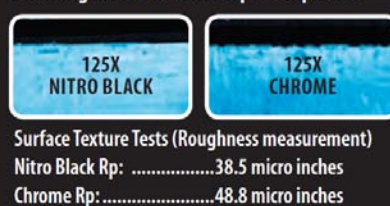
Part #	Type	Head Diameter	Stem Diameter	Installed Height	Overall Length	Tip Lngth
BB Chevy						
01-4301-8	EXH	1.890	3/8"	+0.048	5.400	.250
01-4312-8	EXH	1.880	11/32"	+0.098	5.450	.250
01-4313-8	EXH	1.900	11/32"	+0.098	5.450	.250

3000-SERIES VALVES



- 21-4N High Strength Stainless Alloy
- Swirl Polished for Improved Flow Characteristics
- Fully Undercut Stem
- Hard Wafer Tip
- One Piece Forging
- Proprietary Liquid Nitriding Process that Creates a Valve that is Smoother, Stronger and More Corrosion Resistant than Traditional Chromed Valves.
- Deep Nitriding Provides Better Ductility Under the Hard Nitrided Layer as Proven in Rotating-Bending Fatigue Tests.
- Valve is Less Likely to Break Even if Contacted by the Piston
- Greater Surface Hardness Means Less Valve Guide Wear
- Improved Corrosion Resistance evn with Exotic Fuels.
- Our Nitriding Process is Much Cleaner than Chroming - Better for the Environment.

Scanning Electron Microscope Comparison



21% Smoother Than Chrome!

From Drag Boat Above...
VERY DUCTILE



Part #	Type	Head Diameter	Stem Diameter	Installed Height	Overall Length	Tip Lngth
SB Chevy						
01-3001-8	EXH	1.600	11/32"	STOCK	4.910	.250
01-3001.100-8	EXH	1.600	11/32"	+100	5.010	.250
01-3003-8	INT	2.020	11/32"	STOCK	4.910	.250
01-3003.100-8	INT	2.020	11/32"	+100	5.010	.250
01-3007.100-8	INT	2.055	11/32"	+100	5.010	.250
01-3008.100-8	INT	2.080	11/32"	+100	5.010	.250
BB Chevy						
01-3004-8	EXH	1.880	3/8"	STOCK	5.352	.250
01-3004.100-8	EXH	1.880	11/32"	+100	5.452	.250
01-3005-8	INT	2.190	3/8"	STOCK	5.228	.250
01-3012.250-8	INT	2.250	11/32"	+250	5.478	.250
01-3013.250-8	INT	2.300	11/32"	+250	5.478	.250
LS 1Chevy -- Bead Lock						
01-3200-8	EXH	1.570	0.313"	STK	4.890	.160
01-3201-8	EXH	1.600	0.313"	STK	4.890	.160
01-3202-8	INT	2.020	0.314"	STK	4.880	.160
01-3206-8	INT	2.041	0.314"	STK	4.880	.160
01-3207-8	INT	2.055	0.314"	STK	4.880	.160

TOP END

FERREA VALVES

5000 SERIES

CNC machined, 1-piece stainless steel, chrome stems and hard tips.



Part #	Type	Head, Stem, Length	Note
Small Block Chevy			
F5004	Exh	1.500 11/32 4.910	
F5049	Exh	1.500 11/32 5.010	(+100)
F5005	Exh	1.600 11/32 4.910	
F5025	Exh	1.600 11/32 5.010	(+100)
F5006	Exh	1.625 11/32 5.010	(+100)
F5040	Exh	1.625 11/32 5.060	(+150)
F5000	Int	1.720 11/32 4.910	
F5060	Int	1.840 11/32 4.910	
F5001	Int	1.940 11/32 4.910	
F5048	Int	1.940 11/32 5.010	(+100)
F5002	Int	2.020 11/32 4.910	
F5027	Int	2.020 11/32 5.010	(+100)
F5003	Int	2.055 11/32 4.910	
F5022	Int	2.055 11/32 5.010	(+100)
F5021	Int	2.080 11/32 4.910	
F5023	Int	2.080 11/32 5.010	(+100)

Big Block Chevy

F5010	Exh	1.750 3/8 5.350	
F5011	Exh	1.880 3/8 5.350	
F5007	Int	2.065 3/8 5.221	
F5008	Int	2.190 3/8 5.221	
F5009	Int	2.250 3/8 5.271	(+050)

Big Block Chevy - small stem

F5035	Exh	1.880 11/32 5.425	(+100)
F5037	Int	2.190 11/32 5.300	(+100)
F5031	Int	2.250 11/32 5.271	(+050)

SB Chrysler

F5051	Exh	1.600 3/8 5.075	1 - groove
F5050	Int	2.020 3/8 5.050	1 - groove

BB Chrysler

F5055	Exh	1.740 3/8 4.910	1 - groove
F5053	Exh	1.810 3/8 4.910	1 - groove
F5054	Int	2.080 3/8 4.875	1 - groove

Ford 289 - 302

F5014	Exh	1.450 11/32 5.030	
F5015	Exh	1.600 11/32 5.030	
F5012	Int	1.782 11/32 5.030	
F5018	Int	1.940 11/32 5.030	
F5020	Int	2.020 11/32 5.030	

Ford 351W & GT40

F5028	Exh	1.550 11/32 5.075	
F5058	Exh	1.600 11/32 5.075	
F5029	Int	1.850 11/32 5.075	
F5059	Int	1.940 11/32 5.075	

Ford Boss, 351C,460

F5040	Exh	1.650 11/32 5.060	
1 - groove			
F5045	Exh	1.710 11/32 5.060	1 - groove
F5026	Int	2.070 11/32 5.275	1 - groove
F5037	Int	2.190 11/32 5.300	1 - groove
F5031	Int	2.250 11/32 5.271	1 - groove

Olds

F5141	Exh	1.710 11/32 4.668	not undercut
F5142	Int	2.075 11/32 4.715	not undercut

Pontiac

F5064	Exh	1.660 11/32 5.230	
F5144	Exh	1.770 11/32 5.110	not undercut
F5063	Exh	1.770 11/32 5.230	RAM AIR IV
F5065	Int	2.110 11/32 4.980	45 degree
F5143	Int	2.110 11/32 5.095	not undercut, 30°

FERREA VALVES

6000 SERIES

CNC machined, 1-piece stainless steel, chrome stems and hard tips.



Part #	Type	Head, Stem, Length	Note
Small Block Chevy			
F6107	Exh	1.500 11/32 4.960	
F6100	Exh	1.600 11/32 4.960	
F6145	Exh	1.600 11/32 5.010	(+100)
F6102	Int	1.940 11/32 4.960	
F6101	Int	2.020 11/32 4.960	
F6103	Int	2.020 11/32 5.010	(+100)
F6105	Int	2.055 11/32 4.960	
F6114	Int	2.055 11/32 5.010	(+100)
F6164	Int	2.080 11/32 5.160	(+200)

Chevy LS-1

F6235	Exh	1.600 .313 4.915	
F6231	Int	2.020 .3135 4.90	

Big Block Chevy

F6125	Exh	1.880 3/8 5.350	
F6156	Exh	1.880 3/8 5.400	Brodix; Dart (+050)
F6126	Int	2.190 3/8 5.221	
F6133	Int	2.250 3/8 5.271	(+050)
F6134	Int	2.300 3/8 5.321	Brodix; Dart (+050)

Big Block Chevy - small stem

F6184	Exh	1.880 11/32 5.425	(+150)
F6186	Exh	1.900 11/32 5.425	(+150)
F6139	Int	2.190 11/32 5.275	(+050)
F6129	Int	2.250 11/32 5.271	(+050)

SB Chrysler

F6244	Exh	1.600 3/8 4.970	1 - groove
F6249	Int	2.020 3/8 4.980	1 - groove

Ford 2.3L OHC

F6224	Exh	1.500 11/32 4.800	.400 tip; 1-groove
F6229	Exh	1.500 11/32 4.870	.470 tip; 1-groove
F6223	Int	1.740 11/32 4.800	.400 tip; 1-groove
F6225	Int	1.740 11/32 4.870	.470 tip; 1-groove

Ford SB 351 "N" HEAD

F6147	Exh	1.600 11/32 5.160	
F6206	Int	2.020 11/32 5.160	

Ford Boss, 351C,460

F6124	Exh	1.710 11/32 5.060	1 - groove
F6159	Exh	1.800 11/32 5.058	429-460
F6139	Int	2.190 11/32 5.275	1-groove (+050)
F6129	Int	2.250 11/32 5.271	1-groove (+050)

Ford 352-428 FE

F6212	Exh	1.655 3/8 5.435	
F6210	Int	2.090 3/8 5.450	30 degree
F6211	Int	2.150 3/8 5.450	30 degree
F6215	Int	2.190 3/8 5.450	30 degree

Pontiac

F6178	Exh	1.770 11/32 5.230	Ram Air IV
F6175	Int	2.110 11/32 5.213	Ram Air IV, 45°

COMPETITION PLUS + SERIES








Part #	Type	Head, Stem, Length	Note
Small Block Chevy			
F1104PQ	Exh	1.600 11/32 4.960	
F1140PQ	Exh	1.600 11/32 5.160	Brodix Pont (+200)
F1814P	Exh	1.625 11/32 5.160	24 degree Tulip Flo
F1115P	Int	2.020 11/32 4.960	
F1118P	Int	2.020 11/32 5.010	(+100)
F2252P	Int	2.055 11/32 5.060	14° Super Flo +100
Blanks			
F1233P		1.950 5/16 6.500	15° Flo finished

STOCK VALVES

Highest Quality, ISO 9001, Worldwide O.E.M.

HUNDREDS
MORE
IN STOCK !!



Part #	Type	Engine	Years	Head Dia	Overall Length	Stem Dia	Stem Coat	Keeper Groove	Description/ Notes/ Years	Global Marketplace Awards
AMC										
01-01556	EX	150(2.46L), 242(4.0L)	87-99	1.500	4.9395	0.31150	CHROME	1	ROUND GROOVE, VIN H, P	Global Marketplace Awards
01-01557	IN	150,242	89-96	1.910	4.9120	0.31150		1	JEEP ENGINE	
AUDI / VW										
01-10804S	IN	1781CC	98-06	1.059	4.1370	0.23480		3	SEE CAT FOR ENG APPLICATION	 JOHN DEERE
01-10803S	EX	1781CC	98-06	1.177	4.0900	0.23400		3	W-.157 TIP TO GROOVE LGTH	
CATERPILLAR										
01-01379	IN	350,636		2.093	5.6980	0.37250		2	SEE CAT FOR ENG APPLICATION	 PEUGEOT CITROEN
01-01205S	EX	425,638		1.896	5.4690	0.37170	NONE	2	SEE CAT FOR ENG APPLICATION	
CHRYSLER - DODGE										
01-01742	EX	121	95-99	1.130	4.6140	0.23280	CHROME	1	NEON SOHC, VIN C.	 PEUGEOT CITROEN
01-01741	IN	121(2.0)	95-99	1.309	4.5250	0.23400	CHROME	1	NEON SOHC	
01-02009	EX	148	95-08	1.120	4.3240	0.23290		3	1.120 HEAD	
01-02008	IN	148	95-08	1.370	4.3990	0.23400		3	1.370 HEAD	
01-01715	EX	318(5.2), 360(5.9)	92-99	1.625	4.9190	0.31150	CHROME	1	DODGE VIN T,Y, JEEP VIN P, Y	
01-01714	IN	318(5.2), 360(5.9)	93-98	1.920	4.9060	0.31150	NONE	1	VIN-5, B, Z	
CUMMINS										
01-01664	EX	239,359	89-99	1.653	5.0830	0.31350	CHROME	1	1.653 HEAD	 PEUGEOT CITROEN
01-01665	IN	239,359	86-99	1.775	5.0830	0.31350		2	1.775 HEAD	
01-01659S	EX	855	91-95	1.870	7.7260	0.37890		1	N-14	
01-01660	IN	855	91-95	1.870	7.7230	0.37890		1	N-14	
FORD Car and Truck										
01-01936	EX	120	97-99	1.457	5.1080	0.31510		3	VIN P	 PEUGEOT CITROEN
01-02044	IN	120	96	1.736	5.2560	0.31630		3	VIN P DUAL PORT	
01-02047	EX	183	86-08	1.371	4.6150	0.27400		3	VIN U,1,2	
01-00375	EX	239-272-292-312	54-64	1.512	5.0900	0.34180	NONE	1		
01-01177S	EX	300	65-84	1.559	4.8100	0.34195	CHROME	1	HEAVY DUTY	
01-01328	IN	302	78-00	1.780	5.0700	0.34195	CHROME	1	86-95 MUST INC.HO; 98-00 EXPLORER & MOUNTAINEER	
01-01327	EX	302,351W	75-83	1.460	5.0720	0.34140		1	1.460 HEAD	
01-01786	EX	445	93-00	1.680	5.7990	0.31220		1	WITH- DIRECT INJECTION	
GENERAL MOTORS										
01-02248S	EX	98,1.6	04-08	1.073	3.982	0.23370		1	E-TEC II VIN 6 16V	 PEUGEOT CITROEN
01-02247	IN	98,1.6	04-08	1.124	3.9990	0.23450		1	E-TEC II VIN 6 16V	
01-02010S	EX	134,146	00-08	1.185	3.9750	0.23430		3	ECOTEC LE5,L61	
01-01997	IN	133,146	00-08	1.382	4.0260	0.23470		3	ECOTEC	
01-01937	EX	146	96-00	1.140	0	0	CHROME	0	VIN T, OLDS. ENG.	
01-01941	IN	146(2.4)	96-00	1.400	0	0	CHROME	0	VIN-T	
01-01192	EX	153, 194-262, 262-400	55-95	1.500	4.9230	.034135	CHROME	2	4cyl, 6cyl, SBC V8	
01-01195	IN	153, 194-262, 262-400	81-84	1.940	4.880	0.34130	CHROME	2	4cyl, 6cyl, SBC V8	
01-01206S	EX	153, 194-262, 262-400	66-84	1.500	4.9230	0.34130	CHROME	2	w/stellite	
01-01935S	EX	294-364	99-07	1.550	4.9150	0.31360		1	294,323,364	
01-01807	EX	305, 350	97-00	1.500	4.9200	0.34130		1	VIN M, R	
01-01806	IN	305	96-00	1.840	4.8810	0.34120		1	VIN M	
01-02000	IN	323,364	01-08	2.000	4.8690	0.31360		1	350 LS1,LS2,LS6,323,364	
01-02045	EX	364	99-07	1.551	4.9150	0.31260		1	VORTEC VIN U	
01-01235S	EX	366,427	85-94	1.660	5.3670	0.37160	CHROME	1	HD APPLICATIONS	
01-01780S	EX	381,395	89-00	1.535	5.1080	0.37150		2	395 '89-93 VIN C/ 395 '92-00	
01-01484	IN	381,395	82-94	1.812	5.1080	0.34130		2	INCL TURBO DIESEL	
01-00996S	EX	427T	69-78	1.660	5.3760	0.37165	CHROME	1		
01-02126S	EX	496	01-07	1.720	5.3950	0.37110		1	VORTEC	
HONDA										
01-10524	IN	1590CC	92-99	1.181	4.6680	0.21590		1	D16Z6,D16Y5,7,8 VTEC	 FERRARI
01-10742	IN	1972CC	96-99	1.224	4.1520	0.25920		1	B20B4,B20Z2/1834CC B18A1	
01-10542	EX	2254	94-99	1.142	4.4960	0.21480		1	F22B1/F23A1,A4,A5/J30A1	
01-10779	EX	3.0-3.5L	02-10	1.181	4.4960	0.21480		1	J30A5,J35A4,A7,A9/J35Z1	
JOHN DEERE										
01-01586	EX	466,496		1.850	6.1740	0.37200	CHROME	1	CHECK S/N FOR 3010,4010 SER	 JOHN DEERE
01-01587	IN	466,496		2.008	6.0600	0.37300	CHROME	1	CHECK S/N FOR 3010,4010 SER	
01-01403	IN	466		1.715	6.1920	0.37200	CHROME	2	TURBO DIESEL	
SUBARU										
01-10807	EX	2.2,2.5	99-12	1.239	4.7910	0.23430		1	SOHC&DOHC NON TURBO	
01-10806	IN	2.2,2.5	99-12	1.417	4.7480	0.23440		1	SOHC&DOHC NON TURBO	
TOYOTA										
01-10781	EX	1794CC	00-08	1.024	3.4920	0.21550		1	1ZZFE	 KAWASAKI
01-10780	IN	1794CC	00-08	1.220	3.4900	0.21560		1	1ZZFE	
01-10474	EX	2438CC	95-99	1.201	4.0860	0.23480		1	2TZFE,2TZFE,2RZFE	

QUALCAST VALVE TRAIN



VALVE SEATS

Part #	O.D	I.D	depth	angle	application
20-1562-1 ...	1.5670	.... 1-5/16	.. 7/32	..... 45	..... universal

ALLOYS

“Q” Series: Our high-chrome alloy designed for unleaded fuels which enables Rockwell Rc40 hardness combined with easy machinability. Features excellent resistance to high temperature corrosion in applications to 1150°F. All 20- and 21- prefixes without a suffix are cast in Q material.

“N” Series: Our austenitic (non-magnetic) nickel-based alloy designed for natural gas, LPG, propane, and other extreme heat applications. Denoted by the suffix “N”. Rockwell Rc45 and hot hardness to 1600°F.

“S” Series: Our stellite series. A cobalt-based alloy used in a very limited range of specialized applications where additional abrasion resistance is necessary. Rockwell Rc53. Denoted by the suffix “S”.

Powdered Metal Series (25- Prefix):

Powdered Metal allows for longer cutter life by causing less wear on your cutting tools. This material has a rate of thermal expansion very close to aluminum - making seat fallout in aluminum heads a worry of the past.

Engineered Advantages:

Q, N, and S series inserts are individually cast and have a true radius on the lead-in edge to facilitate the press fit. Also, all seats have a fully finished inside diameter to assist gas flow and swirl.

SIZES

“20-” Prefix: The 4-digit part number is the cutter size. 1562 = 1.562” or 1-9/16” cutter. Actual O.D. of the seat is increased by the press fit for cast iron heads - between 0.0045 and 0.006 inches.

“21-” Prefix: The 4-digit part number is the cutter size as above. Actual O.D. of the seat is increased by the press fit for aluminum heads - 0.007 inches.

“22-” Prefix: The 4-digit part number is the actual O.D. 2006 = 2.006 inches.

VALVE GUIDES

• Available in 8-packs



Part #	O.D	I.D	length	Type	Application
30-3026	..... 0.472	..... 0.275	..... 1.702	.....	Chrys 3.7 & 4.7
30-9946	..... 0.502	..... 0.343	..... 2.250	.....	Straight, spiral reamed, univ.
30-9606	..... 0.502	..... 0.344	..... 2.375	.....	Straight, spiral reamed, univ.
30-9607	..... 0.502	..... 0.344	..... 2.250	.....	Straight, spiral reamed, univ.
30-9108	..... 0.502	..... 0.374	..... 2.375	.....	Straight, spiral reamed, univ.
30-9973	..... 0.6255	..... 0.3735	..... 2.420	.....	BBC intake
30-9972	..... 0.6255	..... 0.3735	..... 2.630	.....	BBC exhaust

OEM VALVE SPRINGS

• OEM supplier, sold and priced in 4-packs



Part #	Application	Outside Dia.	Installed
AMC			
02- 0991X-4	V8 343-401	1.410	76-84 @ 1.810
CHRYSLER			
02- 0672-4	V8 318-360 1957-89	1.414	78-88 @ 1.687
02- 0891X-4	V8 383-440 HP	1.504	100-110 @ 1.859
FORD			
02- 0611-4	Tractor, 221-223-260-289-272-292-312	1.364	71-79 @ 1.780
02- 1244-4	L6 300	1.393	25-30 @ 1.850
02- 1086-4	V8 302-351W exhaust with rotator	1.400	51-59 @ 1.700
02- 1175-4	V8 302-351W intake	1.404	74-82 @ 1.780
02- 0991X-4	V8 351C-351M-429-460	1.410	76-84 @ 1.810
02- 0909X-4	V8 360-390-410-428 FE	1.472	85-95 @ 1.820
02- 1420-4	V8 460 1988-95	1.410	129 @ 1.650
02- 0887X-4	V8 6.9-7.3L Diesel	1.390	72-80 @ 1.800
GM			
02- 0558-4	Chev 235, 261, 265	1.333	74-82 @ 1.858
02- 0685X-4	Chev 153-292; 265-283	1.220	76-89 @ 1.696
02- 1038X-4	Chev 307-350-400 with rotator	1.238	76-84 @ 1.610
02- 0880X-4	Chev Small Block	1.222	80 @ 1.700
02- 0880X-100	Chev Small Block bulk	1.222	80 @ 1.700
02- 0943X-4	Chev Z28 V8 HP	1.253	110 @ 1.700
02- 0943X-100	Chev Z28 V8 HP bulk	1.253	110 @ 1.700
02- 1680-4	Chev 305-350 Vortec	1.240	85 @ 1.700
02- 1330-4	Chev truck 366-454 w/shroud	1.490	80 @ 1.800
02- 0864X-4	Chev 366-454	1.512	84-96 @ 1.800
02- 0816X-4	Chev 396-454	1.512	84-96 @ 1.880
02- 0813-4	Pontiac 350-455 inner 1965 on	1.065	28-34 @ 1.566
02- 0814-4	Pontiac 350-455 outer 1965 on	1.405	59-65 @ 1.586
JOHN DEERE			
02- 0757-4	L3-L4-L6 gas and diesel (oem# R26125)	1.375	52-64 @ 1.812
TOYOTA			
02- 1405-4	L4 22REC 1985-96	1.305	65 @ 1.600

VALVE STEM SEALS

Part #	Stem Diameter	Guide Diameter	Unloaded Seal Diameter	Type
Positive				
35-306V-16	5/16"	0.485	0.625	Fluoroviton
35-104V-16	11/32"	0.500	0.625	Fluoroviton
35-104P-16	11/32"	0.500	0.625	Polyacrylic
35-408AP-16	11/32"	0.531	0.680	Polyacrylic
35-305V-16	11/32"	0.562	0.700	Fluoroviton
35-304P-16	11/32"	0.562	0.700	Polyacrylic
Positive Metal Clad				
35-8476V-16	5/16"	0.476	0.575	Fluoroviton
35-804V-16	5/16"	0.502	0.625	Fluoroviton
35-802V-16	5/16"	0.531	0.680	Fluoroviton
35-125V-16	11/32"	0.485	0.630	Fluoroviton
35-529V-16	11/32"	0.531	0.675	Fluoroviton
35-375V-16	3/8"	0.531	0.665	Fluoroviton
35-377V-16	3/8"	0.562	0.675	Fluoroviton
Teflon				
35-1611-16	11/32"	0.500	0.610	Teflon
35-1711-16	11/32"	0.531	0.630	Teflon
35-1612-16	3/8"	0.500	0.600	Teflon
35-1712-16	3/8"	0.531	0.630	Teflon
Umbrella				
35-133P-16	11/32"	O-Ring		Polyacrylic
35-233V-16	11/32"	0.672	0.750	Fluoroviton
35-232P-16	11/32"	0.672	0.750	Polyacrylic



VALVE SPRINGS

PERFORMANCE



Part #	OD	ID	ID Inner	(Valve Closed)	(Valve Open)	Solid Height	Max Lift
Single							
02-1000-16	1.250	0.876		80# @ 1.700	200# @ 1.250	1.150	0.450
02-1001-16	1.250	0.880		110# @ 1.700	285# @ 1.210	1.160	0.500
02-1002-16	1.250	0.880		135# @ 1.750	325# @ 1.200	1.160	.550 @ 1.750
02-1016-16	1.255	0.871		130# @ 1.750	358# @ 1.250	1.100	0.650
02-1017-16	1.437	1.039		115# @ 1.700	284# @ 1.200	1.125	0.575
02-1021-16	1.460	1.060		124# @ 1.800	293# @ 1.250	1.195	0.605
02-1005-16	1.476	1.062		109# @ 1.800	317# @ 1.300	1.140	0.600
02-1007-16	1.524	1.100		122# @ 1.900	309# @ 1.400	1.200	0.700
02-1014-16	1.539	1.125		149# @ 1.900	328# @ 1.350	1.225	0.675

Dual

02-1010-16	1.437	1.073	0.697	130# @ 1.700	372# @ 1.150	1.020	0.650
02-1004-16	1.437	1.070	0.697	135# @ 1.750	307# @ 1.150	1.150	0.640
02-1003-16	1.437	1.080	0.697	141# @ 1.750	334# @ 1.150	1.150	0.630
02-1011-16	1.460	1.060	0.697	127# @ 1.850	369# @ 1.250	1.195	0.655
02-1012-16	1.509	1.125	0.697	112# @ 1.900	355# @ 1.200	1.175	0.725
02-1008-16	1.539	1.125	0.731	204# @ 1.900	516# @ 1.250	1.225	0.675
02-1015-16	1.539	1.125	0.697	138# @ 1.950	419# @ 1.350	1.225	0.725
02-1009-16	1.550	1.136	0.812	240# @ 1.900	598# @ 1.250	1.160	0.750

SUPER CLEAN BEEHIVE SPRINGS



General Application	Spring Diameters		Installed Height		Open Load	Spring Rate	Max Coil Bind	Lift
Max	Large End OD	Small End ID	Large End OD	Small End ID	(Valve Closed)	(Valve Open)		
Ford 4.6L & 5.4L 2 & 3								
02-1200-16	1.061	.738	.959	.636	80# @ 1.640	185# @ 1.090	191	1.020 .550
Chevy LS1, LS2, LS6								
02-1201-16	1.290	.885	1.055	.650	130# @ 1.800	318# @ 1.200	313	1.140 .600
Many Big Block Engines								
02-1202-16	1.445	1.000	1.095	.650	155# @ 1.880	377# @ 1.280	370	1.210 .600
Many Small Block Engines								
02-1203-16	1.412	1.065	1.000	.650	123# @ 1.750	284# @ 1.175	280	1.040 .650

VALVE SPRINGS



Part #	OD	Pressure	Open Pressure	Bind	Rate
Single					
901-16	1.494"	101@1.650"	242@1.250"	1.160"	353
910-16	1.354"	85@1.850"	275@1.350"	1.280"	380
911-16	1.525"	122@1.900"	306@1.400"	1.200"	367
926-16	1.475"	108@1.800"	316@1.300"	1.140"	415
940-16	1.464"	89@1.900"	232@1.300"	1.200"	239
941-16	1.260"	135@1.750"	379@1.200"	1.130"	443
942-16	1.437"	115@1.700"	284@1.200"	1.125"	339
972-16	1.460"	125@1.800"	308@1.250"	1.195"	328
981-16	1.254"	105@1.700"	295@1.250"	1.150"	417
Dual					
924-16	1.509"	115@1.900"	322@1.200"	1.175"	296
925-16	1.510"	122@1.900"	399@1.200"	1.100"	395
928-16	1.550"	149@1.880"	371@1.250"	1.160"	352
929-16	1.535"	150@1.880"	434@1.230"	1.180"	437
930-16	1.509"	142@1.900"	371@1.250"	1.160"	352
938-16	1.540"	203@1.900"	467@1.300"	1.225"	480
943-16	1.550"	240@1.900"	598@1.250"	1.160"	551

VALVE LOCKS

- Chrome Moly Steel
- Case hardened.



* #1000 is stamped, others are high grade chrome moly steel.

Part #	Valve Height	Size	Lock	Cap Recess
7°				
04-1000-32*	0	11/32"	7°	NO
04-1001-32	0	11/32"	7°	NO
04-1008-32	+ .050"	11/32"	7°	NO
04-1009-32	-.050	11/32"	7°	NO
04-1007-32	0	8mm	7°	NO
04-1005-32	0	3/8"	7°	NO
04-1010-32	+ .050	3/8"	7°	NO
04-1011-32	-.050	3/8"	7°	NO
10°				
04-1002-32	0	11/32"	10°	YES
04-1003-32	+ .050"	11/32"	10°	NO
04-1004-32	-.050"	11/32"	10°	NO
04-1006-32	0	3/8"	10°	YES

VALVE LOCKS



7° VALVE LOCKS

Part #	Steel	Stem	Groove	Note
601-16	Hardened	11/32"	1	
603-16	Hardened	3/8"	1	
605-16	Hardened	11/32"	4	
606-16	Hardened	3/8"	2&4	Chrysler
648-16	Machined	11/32"	1	
641-16	Machined	3/8"	1	

10° FULLY MACHINED

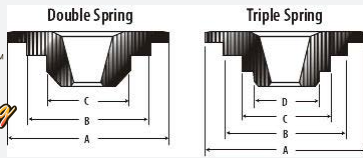
Part #	Application	Stem	Groove	Height
611-16	w/lash cap recess	11/32"	1	
612-16	w/lash cap recess	3/8"	1	
613-16	w/lash cap recess	11/32"	1	
614-16	w/lash cap recess	11/32"	1	+ .050"
616-16	w/lash cap recess	3/8"	1	+ .050"
625-16	Chrysler	3/8"	2	
626-16	Chrysler	3/8"	4	
627-16	Chrysler	3/8"	2&4	

RETAINERS



Part #	Description	Spring Diameter	Stem	Degree
742-16	SB Chevy & Buick V6	1.250	11/32	7
743-16	Chevy-Olds-Pont-Ford	1.437-1.500	11/32	7
744-16	BB Chevy-Chrys-Ford	1.437-1.500	3/8	7
740-16	Super Lock Retainer	1.437-1.500	All	10
741-16	Super Lock Retainer	1.500-1.550	All	10
747-16	Super Lock Retainer	1.437-1.500	All	10
748-16	Super Lock Retainer	1.500-1.550	All	10
749-16	Super Lock Retainer	1.500-1.550	All	10
750-16	Super Lock Retainer	1.250	All	10
751-16	Use with 893 Spring	1.250	All	10
768-16	Ford	1.437-1.500	11/32	7
774-16	Chevy LS1	1.290	Std	7
787-16	26915 or 26918 non LS1	1.290	Std	7

RETAINERS



TITANIUM RETAINERS

• 6AL4V Very High Grade Titanium • Light Weight • Machined and polished finish • Made in U.S.A.

Part #	Spring O.D.	Spring Type	Stem Size	A	B	C	D
03-1730-16	1.437 / 1.500	DOUBLE	ALL	1.437	1.065	.700	
03-1731-16	1.500 / 1.550	DOUBLE	ALL	1.437	1.100	.800	
03-1732-16	1.500 / 1.550	DOUBLE	ALL	1.500	1.110	.710	
03-1733-16	1.625	DOUBLE	ALL	1.500	1.180	.765	
03-1736-16	1.500 / 1.550	TRIPLE	ALL	1.500	1.135	.835	.635
03-1739-16	1.625	TRIPLE	ALL	1.500	1.180	.870	.635
03-1735-16 ¹	1.625	TRIPLE	ALL	1.500	1.180	.870	.635
03-1794-16	1.300	BEEHIVE	ALL	1.050	.640		

¹ +.050 Installed height over # 03-1739

PERFORMANCE 4140 RETAINERS

• 4140 Chrome Moly Steel Alloy • CNC Machined • Heat Treated • Black Oxide Finish

Part #	Spring O.D.	Spring Height	Keeper Degree	Valve Stem Size	Dimensions		
					A	B	C
03-1000-16	1.250	STD	7	11/32	1.245	.865	.680
03-1001-16	1.250	+050	7	11/32	1.245	.865	.680
03-1003-16	1.437/1.550	STD	7	11/32	1.440	1.050	.700
03-1002-16	1.437/1.550	STD	10	ALL	1.440	1.050	.700
03-1005-16	1.437/1.550	STD	7	3/8	1.440	1.050	.700
03-1006-16	1.437/1.550	STD	10	ALL	1.400	1.060	.690
03-1007-16	1.500/1.550	+100	10	ALL	1.500	1.115	.690
03-1008-16	1.550	+100	10	ALL	1.500	1.105	.710
03-1009-16	1.550	+100	10	ALL	1.500	1.120	.705
03-1010-16	1.437/1.550	+100	7	11/32	1.440	1.050	.700
03-1011-16	1.055	STD	7	8mm	1.030	0.640	BEEHIVE
03-1012-16	.959	STD	7	STOCK	0.930	0.630	BEEHIVE
03-1013-16	1.055	STD	7	11/32	1.030	0.640	BEEHIVE
03-1014-16	1.095	STD	10	ALL	1.050	0.640	BEEHIVE
03-1015-16 ²	1.055	STD	7	8mm	1.030	0.640	BEEHIVE

² Same as 03-1011 but ID is machined for additional valve guide clearance.



MISC VALVE TRAIN

BEEHIVE I.D. LOCATORS



Part#	Thickness	I.D.	O.D.	Spring I.D.
4693-16	0.060	0.570	1.300	0.875
4705-16	0.060	0.570	1.300	0.875
4694-16	0.060	0.570	1.450	1.000
4696-16	0.060	0.570	1.510	0.970
4697-16	0.060	0.630	1.510	0.970

NON-ADJUSTABLE VALVE CONVERSION

Part #	Stud Dia.	Contents
4610-16	5/16"	SB Ford to '79 5/16 nut 16-ea. Special washers and adjusting nuts
4514-KIT	7/16"	BB Chev Gen V & VI 16-ea. Studs, spacers and adjusting nuts.

PEDESTAL SHIMS



Part #	Description
S-100	.020", 302-460 Ford with non-adj valve train

MISC

Part #	Description
ER-3974R	SB Chev stock style retainers set of 16
RM-1000-16	SB Chev rocker arm balls for 7/16" studs.



LASH CAPS

• CNC 8620 Steel, EDM hole, black oxide, .080" Thick



Part #	Valve	
	Head Height	Stem
04-1620-16	.230"	5/16"
04-1621-16	.210"	11/32"
04-1622-16	.190"	3/8"



CUPS & LOCATORS

Cups: 4140 Cast Hardened Steel
Locators: 8620 Steel, CNC +/- .002", Heat Treated, Black Oxide Coat



Part #	Type	Spring O.D.	O.D.	I.D.	Shldr Thick	Height	Dia
03-2001-16	Cup	1.437	1.550	.687	.062	.150	
03-2002-16	Cup	1.550	1.680	.635	.062	.150	
03-2003-16	Cup	1.550	1.680	.577	.062	.150	
03-2004-16	Cup	1.625	1.740	.635	.062	.150	
03-2005-16	Cup	1.660	1.740	.635	.062	.140	
03-2006-16	Cup	1.550	1.740	.635	.062	.158	
03-2007-16	Cup	1.560	1.740	.635	.152	.128	
03-2008-16	Cup	1.650	1.740	.635	.037	.183	
03-3000-16	Locator	1.550	1.535	.570	.062	.140	.720
03-3001-16	Locator	1.550	1.535	.570	.062	.140	.740
03-3002-16	Locator	1.560	1.550	.567	.062	.163	.802
03-3003-16	Locator	1.560	1.550	.560	.060	.185	.690
03-3004-16	Locator	1.580	1.570	.567	.062	.163	.828
03-3005-16	Locator	1.580	1.570	.567	.045	.163	.828
03-3006-16	Locator	1.620	1.620	.570	.060	.185	.760
03-3007-16	Locator	1.625	1.615	.570	.062	.140	.675
03-3008-16	Locator	1.625	1.570	.567	.062	.163	.850
03-3009-16	Locator	1.660	1.660	.570	.062	.140	.630
03-3010-16	Locator	1.300	1.300	.570	.062	.198	.655
03-3011-16	Locator	1.480	1.480	.570	.060	.210	.690
03-3012-16	Locator	NA	1.230	.535	.062	.140	.782
03-3013-16	Locator	NA	1.245	.520	.065	.117	.636
03-3014-16	Locator	NA	1.247	.563	.057	.146	.654

ROTATOR ELIMINATOR

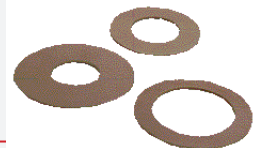
Eliminates O.E.. rotators on the exhaust valve while providing positive location of the valve spring.



Part #	Thickness	Spring		Note
		O.D.	I.D.	
03-4000-8	.300"	1.732"	1.568"	.623"
4698-8	.300"	1.732"	1.468"	.630"



SPRING SHIMS



• Case Hardened • No Serrations

O.D.	I.D.	Part#	Part#	Part#
		.015 THICK	.030 THICK	.060 THICK
1.215	.876	03-1050HP-16	03-3050HP-16	03-6050HP-16
1.246	.814	03-1060HP-16	03-3060HP-16	03-6060HP-16
1.438	.645	03-1135HP-16	03-3135HP-16	03-6135HP-16
1.500	.645	03-1153HP-16	03-3153HP-16	03-6153HP-16
1.634	.643	03-1185SHP-16	03-3185SHP-16	03-6185SHP-16

ROCKER ARM KITS

Part #	Application	Stud	Ratio
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ALUMINUM ROLLER ROCKER ARMS

07-1017-16*	AMC 290-401	3/8"	1.6
07-1000-16	SB Chevy	3/8"	1.5
07-1001-16	SB Chevy	7/16"	1.5
07-1002-16	SB Chevy	3/8"	1.6
07-1003-16	SB Chevy	7/16"	1.6
07-1014-16	BB Chevy	7/16"	1.7
07-1017-16	SB Ford	3/8"	1.6
07-1018-16	SB Ford	7/16"	1.6
07-1017-16*	Olds 260-455	3/8"	1.6

CHROME-MOLY STEEL ROLLER ROCKER ARMS

07-1117-16*	AMC 290-401	3/8"	1.6
07-1100-16	SB Chevy	3/8"	1.5
07-1101-16	SB Chevy	7/16"	1.5
07-1102-16	SB Chevy	3/8"	1.6
07-1103-16	SB Chevy	7/16"	1.6
07-1114-16	BB Chevy	7/16"	1.7
07-1117-16	SB Ford	3/8"	1.6
07-1118-16	SB Ford	7/16"	1.6
07-1114-16	Ford Boss 302	7/16"	1.7
07-1114-16	Ford 351C-400	7/16"	1.7
07-1114-16	Ford 429-460	7/16"	1.72
07-1117-16*	Olds 260-455	3/8"	1.6

* Requires additional parts to convert to adjustable valve train



ROCKER ARMS

SMALL BLOCK CHEVY

Stock Style Rocker Arm Kit 16-Required

Part#	Description
RK-508	1.5 long slot 3/8
RK-508SP	1.6 long slot 3/8
RK-1508	1.5 long slot 7/16
RK-1508SP	1.6 long slot 7/16
RK-2737	1.5 long slot 3/8 guided
RK-738	1.6 long slot 3/8 guided

"Nitro" Rocker Arm Kits Card of 8

Part#	Description
RK-840NK	1.5 long slot 3/8
RK-840SPNK	1.6 long slot 3/8
RK-1840NK	1.5 long slot 7/16
RK-1840SPNK	1.6 long slot 7/16

"Black Ice" Rocker Arm Kits Card of 8

Part#	Description
ICE410840	1.5 long slot 3/8
ICE410840SP	1.6 long slot 3/8
ICE411840	1.5 long slot 7/16
ICE411840SP	1.6 long slot 7/16
ICE410737	1.5 long slot 3/8 guided
ICE410738	1.6 long slot 3/8 guided

BIG BLOCK CHEVY

1.7 Ratio Long Slot Kits

Part#	Description
RK-507	Stock style 16-required
RK-868NK	"Nitro" Rocker Arm Kits Card of 8
ICE410868	"Black Ice" Rocker Arm Kits Card of 8



ROCKER ARMS



ULTRA PRO MAGNUM ROLLER ROCKER ARMS

• 8650 chromemoly

Part #	Application	Ratio	Stud:	Note
1601-16	SB Chevy	1.52	3/8"	
1604-16	SB Chevy	1.52	7/16"	
1602-16	SB Chevy	1.60	3/8"	
1605-16	SB Chevy	1.60	7/16"	
1620-16	BB Chevy	1.70	7/16"	
1675-16	LS1 / LS6	1.80	3/8"	
1676-16	LS3 (Factory Offset)	1.80	3/8"	
1630-16	Ford V8 Boss 302, 351C, 429-460	1.70	7/16"	
1631-16	Ford V8 289-302-351W	1.60	3/8"	
1632-16	Ford V8 289-302-351W	1.60	7/16"	

COMP MAGNUM ROLLER TIP

• 8620 chromemoly

Part #	Application	Ratio	Stud	Note
1442-16	AMC 290-401	1.6	3/8"	Non-rail rocker style
1412-16	SB Chevy	1.52	3/8"	
1417-16	SB Chevy	1.52	3/8"	1987 or newer self aligning
1416-16	SB Chevy	1.6	3/8"	
1418-16	SB Chevy	1.6	3/8"	1987 or newer self aligning
1411-16	BB Chevy	1.72	7/16"	
1431-16	SB Ford	1.6	3/8"	Rail rocker style, long tip valves
1442-16	SB Ford	1.6	3/8"	Non-rail rocker style
1411-16	Ford 302B, 351C-400M	1.72	7/16"	
1411-16	Ford 429-460	1.72	7/16"	
1442-16	Oldsmobile V8	1.6	3/8"	Req additional parts to install 455 engine only; includes: guide plates, studs & pushrods
1442-KIT	Oldsmobile V8	1.6		
1451-16	Pontiac V8	1.52	7/16"	
1452-16	Pontiac V8	1.65	7/16"	

COMP HIGH ENERGY ALUMINUM ROLLER ROCKERS

• Large Die-cast bodies

Part #	Application	Ratio	Stud
17001-16	SB Chevy	1.52	3/8"
17004-16	SB Chevy	1.52	7/16"
17002-16	SB Chevy	1.6	3/8"
17005-16	SB Chevy	1.6	7/16"
17021-16	BB Chevy	1.7	7/16"
17043-16	SB Ford	1.6	3/8"

SHAFT ROCKER ARM KITS FOR MOPAR AND FORD FE

* Kits include rockers, shafts and spacers

Aluminum Roller Rocker Kits

Part #	Application	Ratio
1074-KIT	273-360 SB Chrysler	1.5
1076-KIT	273-360 SB Chrysler	1.6
1071-KIT	383-440 Chrysler Wedge Head	1.5
1073-KIT	383-440 Chrysler Wedge Head	1.6
1046-KIT	390-428 Ford	1.76
1078-2	pair of replacement shafts for 1074/1076-kits	
1072-2	pair of replacement shafts for 1071/1073-kits	
1047-2	pair of replacement shafts for 1046-kit	

Ultra Pro Magnum Roller Rocker Arm Kits

Part #	Application	Ratio
1622-16	273-360 SB Chrysler	1.5
1621-16*	383-440 Chrysler Wedge Head	1.5
1079-2	pair of replacement shafts for 1622-16	
1077-2	pair of replacement shafts for 1621-16	

* This set requires ball-ball pushrods



ROCKER ARM STUDS

Features: 8740 Chromemoly steel; induction heat treated; black oxide coated; rated at 190,000 psi tensile strength; rolled threads and a perfectly flat surface for maximum poly lock engagement.



Part #	Application	Base Diameter	Base Length	Upper Diameter	Stud Length
06-1100-16	SB Chevy	7/16"	.680"	3/8"	1.750"
06-1101-16	SB Chevy	7/16"	.680"	7/16"	1.750"
06-1102-16	SB Chevy w/ Roller Rockers	7/16"	.710"	3/8"	1.895"
06-1103-16	BB Chevy	7/16"	.800"	7/16"	1.750"

ROCKER ARM STUDS & NUTS



HIGH PERFORMANCE STUDS

8740 chromemoly and are rated at 170,000 psi tensile strength

Part #	Description
134-7101	SB Chevy and Pontiac V8; 3/8" top
134-7104	SB Chevy w/roller rocker arms; 3/8" top
134-7103	SB Chevy and Pontiac V8; 7/16" top
100-7101	SB Chevy & SB Ford w/roller rockers & girdle; 7/16" top
135-7101	Big Block Chevy; 7/16" top
135-7102	Big Block Chevy; 7/16" top & 3/8" base
134-7201	SB Chevy Vortec; 3/8" top & 8mm base
135-7201	Big Block Chevy 8.1L 496; 7/16" top & 10mm base



PRO SERIES STUDS

Aircraft grade chromemoly and hardened to 190,000 psi.

234-7201	SB Chevy and Pontiac V8; 3/8" top
234-7202	SB Chevy and Pontiac V8; 7/16" top
290-7201	Pont. V8 '64 on; 7/16" top-1/2" bottom
235-7204	BB Chevy w/alum. heads; 7/16" top; intakes only
235-7203	BB Chevy w/alum. heads; 7/16" top; exhausts only



ADJUSTABLE ROCKER ARM NUTS

Perma-Loc design
8740 chromemoly
190,000 psi tensile strength.
Length is 1.200".
Set of 16 nuts and set screws.



Part #	Stud	Shank	Application
300-8241	3/8"	.650	Stamped steel rocker arms
300-8242	7/16"	.650	Stamped steel rocker arms
300-8243	3/8"	.550	Aluminum rocker arms
300-8244	3/8"	.600	Aluminum rocker arms
300-8245	7/16"	.550	Aluminum rocker arms
300-8246	7/16"	.600	Aluminum rocker arms

ROCKER STUD PULLER

Fixture provides a method to remove pressed-in rocker stud

Part #	Description
5306	Rocker Stud Puller & Tap Guide



ROCKER ARM STUDS



HIGH ENERGY ROCKER ARM STUDS

Part #	Description
4500-16	3/8" Stud With 7/16" Base
4501-16	7/16" Stud With 7/16" Base



MAGNUM ROCKER ARM STUDS

Part #	Description
4502-16	3/8" Stud With 7/16" Base
4503-16	7/16" Stud With 7/16" Base
4504-16	3/8" Stud With 5/16" Base Late Sb Ford
4542-16	3/8" Stud With 5/16" Base Olds V8
4542-1 (single)	3/8" Stud With 5/16" Base Dodge Magnum V6-V10

HI-TECH ROCKER ARM STUDS

Part #	Description
4514-16	7/16" Stud With 3/8" Base BBC Gen V & VI
4507-8	7/16" Stud With 7/16" Base BBC Exhaust With Aluminum Heads
4504-16	3/8" Stud With 5/16" Base Late SB Ford

ROCKER COMPONENTS



Part #	Description
SB Chevy	
RM-651-16	Screw in stud w/hex 3/8"
RM348-16	Screw in stud no hex
RM-347-16	Press in stud 3/8"
RM-347A-16	Press in stud +.003" o/s
RM-345-16	Grooved rocker ball 3/8"
BB Chevy	
RM-382-16	Screw in stud w/hex 7/16"
RM-359-16	Grooved rocker ball 7/16"
RM-371-16	OE style rocker nut 7/16"



POLY-LOCKS

- 12-point
- Alloy steel, black oxide finish
- Set of 8



Part #	Application	Stud Dia.	Length
06-4508-8	.....Chevrolet Small Block, Ford Small Block, Ford Big Block and Cleveland, Pontiac OEM or aftermarket	7/16"	..... 2.100"
06-4509-8	.....Chevrolet Small Block, Ford Small Block, Pontiac OEM or aftermarket	3/8"	..... 2.100"
06-4510-8	.....Chevrolet Big Block exhaust, Ford Big Block, OEM or aftermarket	7/16"	..... 2.600"

POLY-LOCKS

For use with OEM style rocker arms. Set of 16.

Part #	Stud	Application
S1010	3/8" threaded stud	SB Chevy and Fords
S1012	7/16" threaded stud	SB & BB Chevy and Ford
S1011	5/16" threaded stud	SB Ford and Pontiac



GUIDE PLATES

Part #	Push Rod Diameter	Type
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SB Chevy

05-1000-8	5/16"	Flat
05-1020-8	3/8"	Flat
05-1001-8	5/16"	Stepped
05-1004-8	3/8"	Stepped

**BB Chevy**

05-1002-8	3/8"	Stepped
05-1102-8	3/8"	Stepped
05-1006-8	7/16"	Stepped

**SB Ford (289, 302, 351W)**

05-1003-8	5/16"	Flat
05-1011-8	3/8"	Flat

**SB Ford (302 Boss, 351C Modified)**

05-1012-8	3/8"	Stepped
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BB Ford (429, 460)

05-1015-8	5/16"	Stepped
05-1014-8	3/8"	Stepped



GUIDE PLATES

Part #	Application	Description
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4800-8	Small Block Chevy	Raised w/ 5/16" pushrod
4802-8	Small Block Chevy	Raised w/ 3/8" pushrod
4806-8	Big Block Chevy	Raised w/ 3/8" pushrod
4808-8	Small Block Chevy	Flat w/ 5/16" pushrod
4810-8	Small Block Chevy	Flat w/ 3/8" pushrod
4816-8	Small Block Ford	Flat w/ 5/16" pushrod
4818-8	Small Block Ford	Flat w/ 3/8" pushrod
4804-8	Ford 351C	Raised w/ 3/8" pushrod
4838-8	Ford 429-460	Raised w/ 3/8" pushrod
4834-8	Ford 429-460	Raised w/ 5/16" pushrod



2-PIECE ADJUSTABLE GUIDE PLATES

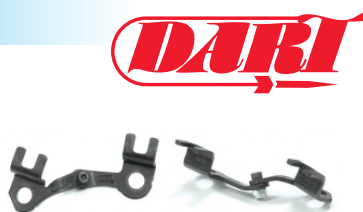
- Precision die-stamped & heat-treated steel for improved durability & closer setting
- Interlocking design easily adjusts inward or outward to prevents cutting of guide plates
- Necessary for SB Chevy & SB Ford aftermarket heads with moved valve centerlines
- Can be welded once adjustments are final
- Works with most popular aftermarket cylinders, both stock and with relocated intake ports

PN	Application	Pushrod Dia	Stud
4835-8	Chevy 265-400 Flat	5/16"	7/16"
4839-8	Chevy 265-400 Flat	3/8"	7/16"
4811-8	Chevy 396-454 Raised	3/8"	7/16"
4835-8	Ford 289-351W Flat	5/16"	7/16"
4839-8	Ford 289-351W Flat	3/8"	7/16"



DART HEAD PARTS

Part #	Description
27001230	BBC Adjustable Guide Plate
63111201	Guide 1.950-.502 11/32 PB
63111210	Guide 1.950-.439 11/32 PB
63121201	Guide 1.950-.502 11/32 MB
63121210	Guide 1.950-.439 11/32 MB



4130 PUSHRODS

- One Piece Design
- Sets Matched within +/- .005 Overall Length
- Ends Machined to Precise .156 Degree Radius
- 4130 Seamless .083" Wall Chrome Moly Tube
- Carbon Nitride Treated to 60-62 Rockwell "C"



5/16" DIAMETER COMPETITION SERIES

Application	Length	Part #	Part #
Chevrolet			
SB Chevy W/ OEM Roller Cam	7.200	581-7200	581-R7200
SB Chevy Stock Length	7.800	581-7800	581-R7800
SB Chevy Less .050"	7.750	581-7750	581-R7750
SB Chevy Less .100"	7.700	581-7700	581-R7700
SB Chevy Less .150"	7.650	581-7650	581-R7650
SB Chevy Plus .050"	7.850	581-7850	581-R7850
SB Chevy Plus .100"	7.900	581-7900	581-R7900
SB Chevy Plus .150"	7.950	581-7950	581-R7950
SB Chevy Plus .200"	8.000	581-8000	581-R8000

Chrysler

SB W/ Non-Adj. Rockers	7.500	581-7500	581-R7500
SB W/ Non-Adj. Rockers + .050"	7.550	581-7550	581-R7550
BB 361-400 W/ Non-Adj. Rockers	8.600	581-8600	581-R8600

Ford

302	6.800	581-6800	581-R6800
69-78 351W	8.150	581-8150	581-R8150
72-78 429-460 Stock Plus .050"	8.600	581-8600	581-R8600

3/8" DIAMETER COMPETITION SERIES

Application	Length	Part #	Part #
Chevrolet			
SB Chevy Stock Length	7.800	381-7800	381-R7800
BB Chevy Stock Length Int	8.250	381-8250	381-R8250
BB Chevy Stock Length Exh	9.250	381-9250	381-R9250
BB Chevy Stock Plus .100" Int	8.350	381-8350	381-R8350
BB Chevy Stock Plus .100" Exh	9.350	381-9350	381-R9350
BB Chevy W/ Tall Deck Int	8.650	381-8650	381-R8650
BB Chevy W/ Tall Deck Exh	9.650	381-9650	381-R9650

Ford

69-71 429-460 Stock Length	8.700	381-8700	381-R8700
72-78 429-460 Stock Length	8.850	381-8550	381-R8550

Other sizes are available from 6" to 11" in .050" increments
210 degree radius push rods in 5/16, 7/16 and 1/2" diameters

1010 PUSHRODS

- 1-Piece, 1010 Seamless, .094" Wall Tube
- 58 Rockwell "C" Scale
- SB Chevy 5/16"; BB Chevy 3/8"
- Street and Mild Race under 400# open seat pressure



Application	Length	Part #
SB Chevy W/ OEM Roller Cam	7.200	16-1007-16
SB Chevy W/ OEM Roller Cam +.100"	7.300	16-1009-16
SB Chevy Stock Length	7.800	16-1000-16
SB Chevy - .050"	7.750	16-1004-16
SB Chevy - .100"	7.700	16-1005-16
SB Chevy - .150"	7.650	16-1006-16
SB Chevy + .050"	7.850	16-1008-16
SB Chevy + .100"	7.900	16-1001-16
SB Chevy + .150"	7.950	16-1002-16
SB Chevy + .200"	8.000	16-1003-16
BB Chevy Stock Length - Int	9.250	16-1011-8
BB Chevy Stock Length - Exh	8.250	16-1012-8

5116 PUSHRODS

- Made From 4130 Seamless .116" Wall Chrome Moly Tubing
- .210" Radius On Rocker Arm End For Higher Lift Applications To Avoid Push Rod/Rocker Arm Interference
- Carbon Nitride Treated To 60-62 Rockwell "C" Scale Hardness
- Sets Matched To Within +/- .005" Overall Length
- One-Piece Design
- **Available In 6.000" to 10.000" Lengths In .050" Increments**



5/16" DIAMETER NITRO BLACK

Application	Length	Part #
Chevrolet		
SB Chevy W/ OEM Roller Cam	7.200	5116-7200
SB Chevy Stock Length	7.800	5116-7800
SB Chevy Less .050"	7.750	5116-7750
SB Chevy Less .100"	7.700	5116-7700
SB Chevy Less .150"	7.650	5116-7650
SB Chevy Plus .050"	7.850	5116-7850
SB Chevy Plus .100"	7.900	5116-7900
SB Chevy Plus .150"	7.950	5116-7950
SB Chevy Plus .200"	8.000	5116-8000
Chrysler		
SB Chevy W/ non-Adj Rockers	7.500	5116-7500
SB Chevy W/non-Adj Rockers, Plus .050"	7.550	5116-7550
BIG BLOCK W/ non-Adj Rockers	8.600	5116-8600
Ford		
302	6.800	5116-6800
69-78 351W	8.150	5116-8150
72-78 429-460 Stock, Plus .050"	8.600	5116-8600



PUSHROD SETS



SB CHEVY PERFORMANCE

Part #	length	Description	GP
PR-1133S	7.295	C1010; Welded Ball	YES
PR-539S	7.700	C1010; Welded Ball	YES
PR-538S	7.750	C1010; Welded Ball	YES
PR-537S	7.800	C1010; Welded Ball	YES
PR-580S	7.850	C1010; Welded Ball	YES
PR-577S	7.900	C1010; Welded Ball	YES
PR-700S	7.200	4130; Pressed Tips	YES
PR-794S	7.295	4130; Pressed Tips	YES
PR-737S	7.800	4130; Pressed Tips	YES
PR-780S	7.850	4130; Pressed Tips	YES
PR-777S	7.900	4130; Pressed Tips	YES

STOCK STYLE 3-PIECE



Part #	length	Description	GP
Small Block Chevy			
PR-34BS	7.800	Flat Tappet	YES
PR-373S	7.195	Factory Hyd Roller	YES
PR-615S	7.192	Roller Vin K	NO

Big Block Chevy			
PR-44S	8.280	3/8 intake	YES
PR-44AS	9.252	3/8 exhaust	YES

Chrysler 318-340-360			
PR-157S	7.389	Cup / Ball	NO
PR-324S	7.500	Flat Tappet	NO
PR-381S	6.776	Factory Hyd Roller	NO

Chrysler 383-400-440			
PR-56S	8.635	61-67 361-383	NO
PR-321S	8.575	68-78 383-400	NO
PR-151S	9.377	66-67 440	NO
PR-323S	9.315	68-79 440	NO

Ford Small Blocks			
PR-279S	6.804	221-302 early	YES
PR-281S	6.876	69-88 302 non-Boss	YES
PR-366S	6.247	Factory Hyd Roller	YES
PR-309S	8.408	351C	NO
PR-310S	9.499	351M-400	NO
PR-280S	8.152	351W 69-78	NO
PR-339S	8.182	351W 78-96	NO

Ford Big Blocks			
PR-311S	9.620	61-68 390-428	NO
PR-312S	9.590	69-76 360-428	NO
PR-78S	9.339	63-68 Cup / Ball	NO
PR-274S	8.550	70-89 429-460	NO

Oldsmobile			
PR-343S	8.245	80-84 307	NO
PR-307S	8.233	68-79 350-403	NO
PR-327S	9.546	68-76 455	NO

Pontiac			
PR-323S	9.315	63-67 326 1st design	NO
PR-103B	8.686	61-66 389 non-SD; 67 400	NO
PR-105S	9.136	68-79 350-455 non-RA	YES

HI-ENERGY



- Meets OEM specs

Part # Description

AMC	
7812-16	*290-401
Chevy	
7809-16	*Small Block 55-up w/ retro hyd roller
7812-16	*Small Block; non-roller
7808-16	*Small Block 1987-up roller cam
7811-8	*396-454 Intake 3/8"; set of 8
7881-8	*396-454 Exhaust 3/8"; set of 8
7854-16	*396-454 Set 3/8"
7815-16	396-454 w/retro-fit hyd roller cam



Ford	
7831-16	*302 1968-78
7819-16	302 w/retro-fit hyd roller cam
7826-16	*5.0L 1985-97 roller cam
7835-16	351W 1969-77
7823-16	351W w/retro-fit hyd roller cam
7837-16	351M-400 1971-79
7824-16	351M-400M w/retro-fit hyd roller cam
7833-16	360-428 FE 1961-68
7834-16	429-460

Chrysler	
7821-16	273-360; hydraulic lifter adjustable rockers
7822-16	273-360; Solid lifter adjustable rockers
7820-16	273-360; Non-adjustable rockers
7883-16	383-400; non-adjustable rockers
7840-16	440; non-adjustable rockers

Pontiac	
7851-16	*350-455* Push rods are hardened for use with guide plates.

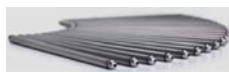
MAGNUM



- 1 Piece .080" wall chromemoly tube

Part # Description

Small Block Chevy	
7372-16	..... SB Chevy; non-roller
7609-16	..... SB Chevy w/retro-fit hyd roller cam
7693-16	..... SB Chevy +100
7513-16	..... SB Chevy 3/8" Dia.
Big Block Chevy	
7154-16	..... BB Chevy 3/8" Dia.
7654-16	..... BB 366-427 w/ truck & marine tall deck
7663-16	..... BBC w/retro-fit hyd roller cam, Std block
7692-16	..... SB Chrysler



Chrysler	
7402-16	..... Chrysler 383-400 w/non adj rockers
7422-16	..... Chrysler 383-400 w/adj rockers
7432-16	..... Chrysler 440
7412-16	..... Chrysler 440 w/non adj rockers
7442-16	..... Chrysler 440 w/adj rockers

Ford	
7631-16	..... Ford 302, 69-85 non roller, non H.O.
7502-16	..... Ford 351C
7472-16	..... Ford 351W , 69-78
7530-16	..... Ford 360-428 FE
7651-16	..... Ford 429-460

Olds	
7131-16	..... Olds -.040"

Pontiac	
7262-16	..... Pontiac 350-455, 68-79

DART CYLINDER HEADS



SB CHEVY IRON EAGLE

Part #	Intake Runner	Combustion Chamber	Plug	Valve Size
10021010	165cc	72cc	Straight	2.02 / 1.60
10110010F	180cc	49cc	Angle	2.02 / 1.60
10120010	180cc	64cc	Straight	2.02 / 1.60
10220010	180cc	72cc	Straight	2.02 / 1.60
10310010PF	200cc	49cc	Angle	2.02 / 1.60
10320010P	200cc	64cc	Straight	2.02 / 1.60
10310010P	200cc	64cc	Angle	2.02 / 1.60
10410010P	200cc	72cc	Angle	2.02 / 1.60
10420010P	200cc	72cc	Straight	2.02 / 1.60
10510020PF	215cc	49cc	Angle	2.05 / 1.60
10610020P	215cc	72cc	Angle	2.05 / 1.60
10620020P	215cc	72cc	Straight	2.05 / 1.60
10510020P	215cc	64cc	Angle	2.05 / 1.60
10520020P	215cc	64cc	Straight	2.05 / 1.60
10710040PF	230cc	49cc	Angle	2.08 / 1.60
10710040P	230cc	64cc	Angle	2.05 / 1.60



SB CHEVY A356 T6 Aluminum SHP Bare

127111	180cc	64cc	Straight	2.02 / 1.60
127211	180cc	72cc	Straight	2.02 / 1.60
127311	200cc	64cc	Straight	2.02 / 1.60
127411	200cc	72cc	Straight	2.02 / 1.60



SB CHEVY PRO 1 Aluminum Bare

11110010P	180cc	64cc	Angle	2.02 / 1.60
11120010P	180cc	64cc	Straight	2.02 / 1.60
11210010P	180cc	72cc	Angle	2.02 / 1.60
11220010P	180cc	72cc	Straight	2.02 / 1.60
11310010P	200cc	64cc	Angle	2.02 / 1.60
11320010P	200cc	64cc	Straight	2.02 / 1.60
11420010P	200cc	72cc	Angle	2.02 / 1.60
11410010P	200cc	72cc	Straight	2.02 / 1.60
11510020P	215cc	64cc	Angle	2.05 / 1.60
11520020P	215cc	64cc	Straight	2.05 / 1.60
11610020P	215cc	72cc	Angle	2.05 / 1.60
11620020P	215cc	72cc	Straight	2.05 / 1.60
11710040P	230cc	64cc	Angle	2.05 / 1.60
11810040P	230cc	72cc	Angle	2.05 / 1.60



BB CHEVY IRON EAGLE BARE HEADS

Part #	Intake Runner	Combustion Chamber	Valve Size
15100010	308cc rectangular	119cc	2.25 / 1.88
15200030	345cc rectangular	119cc	2.30 / 1.88



BB CHEVY PRO 1 BARE HEADS

19100010	310cc rectangular	119cc	2.25 / 1.88
19200010	325cc rectangular	119cc	2.25 / 1.88
19300030	345cc rectangular	119cc	2.30 / 1.88



SB FORD IRON EAGLE BARE HEADS

Part #	Intake Runner	Combustion Chamber	Valve Size
13300080	180cc	58cc	2.02 / 1.60
13310010	180cc	62cc	2.02 / 1.60
13400010	200cc	58cc	2.02 / 1.60
13410010	200cc	62cc	2.02 / 1.60



ALUMINUM CNC BARE HEADS

Part #	Intake Runner	Combustion Chamber	Valve Size
13071020	210cc	62cc	2.05 / 1.60
13072040	225cc	62cc	2.08 / 1.60



BOLT-ON PERFORMANCE SB CHEVY HEADS



**BOLT ON PERFORMANCE FOR CHEVY!
NEW POWER IMPROVED BARE CASTINGS.**

Part #	Int Runner	Chamber	Valves
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305 Chevy Vortec

CH305B	170cc	58cc	1.94" x 1.50"
CH350C	170cc	64cc	1.94" x 1.50"
CH350H*	170cc	64cc	1.94" x 1.50"

*with 69-86 intake bolt pattern & perimeter valve cover mounting holes

327 / 350 / 400 cid 1955-86

CH350A	167cc	76cc	1.94" x 1.50"
CH350H *	170cc	64cc	1.94" x 1.50"

* Vortec with pre-86 intake pattern, heat raiser and perimeter valve cover bolts

350 Chevy 1987-95

CH350G*	170cc	64cc	1.94" x 1.50"
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* Vortec with 87-on intake pattern, heat riser and center valve cover bolts

350 Chevy Vortec 96-on

CH350C	170cc	64cc	1.94" x 1.50"
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396-454 Chevy High Performance

CH454A*	320cc	119cc	2.19" x 1.88"
CH454B*	360cc	119cc	2.19" x 1.88"

* Raised exhaust ports requires longer head bolts/studs.

502 Chevy Marine Gen VI

CH502A	299cc	119cc	2.19" x 1.88"
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LIGHTNING HEADS FOR IMCA RACING

Part #	Intake Runner	Combustion Chamber	Plug	Intake	Exhaust
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CHEVY 327 / 350 cid Great throttle response and torque.

CH350I	167cc	76cc	Straight	1.94"	1.50"
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**CHRYSLER 318 &360 CID Improved Power Bare Heads
1992-2002 With Pre '91 Intake Bolt Pattern**

CH318B	172cc	62cc		1.920"	1.624"
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1992-2004 Magnum

CH318A	172cc	62cc		1.920"	1.624"
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ALUMINUM SB CHEVY HEAD

- 180cc Intake Runner
- 64cc Chamber
- Straight Plug
- 2.02" x 1.60" Seats
- Flows 261 CFM @ .600" lift
- Dual intake pattern



Part #	Description
SBC-HK60-5000HPS	Head kit single spring 135# @ 1.750"
SBC-HK60-5000HPD	Head kit dual spring 141# @ 1.750"

TOP END

ALUMINUM HEADS

PRO ACTION SB CHEVY

• Bronze guides, 14m plugs, 23°, multi-angle valve job



Part #	Plug Angle	Chamber	Valves + .100" Length
180cc Runner			
12053	Angle	64cc	2.02 / 1.60
12052	Straight	64cc	2.02 / 1.60
12042	Angle	72cc	2.02 / 1.60
12041	Straight	72cc	2.02 / 1.60
200cc Runner			
12055	Angle	64cc	2.02 / 1.60
12054	Straight	64cc	2.02 / 1.60
12044	Angle	72cc	2.02 / 1.60
12043	Straight	72cc	2.02 / 1.60
220cc Runner			
12059	Angle	64cc	2.02 / 1.60
12056	Straight	64cc	2.02 / 1.60
12046	Angle	72cc	2.02 / 1.60
12045	Straight	72cc	2.02 / 1.60
235cc Runner			
12062	Angle	64cc	2.08 / 1.60
12060	Straight	64cc	2.08 / 1.60
12048	Angle	72cc	2.08 / 1.60
12047	Straight	72cc	2.08 / 1.60



PRO ELITE LS7

• Rectangular port, 12°



Part #	Plug Angle	Chamber	Valve Size	Description
291cc Runner				
54500	Angle	NA	NA	Without Valve Job
54501	Std	69cc	2.200" / 1.615"	CNC Machined
54510	Std	69cc	2.200" / 1.615"	Sprint Car

PRO ACTION LS CATHEDRAL PORT

• Aluminum; stock angles, centers & ports; radiused Exh seats; multi-angle Int.



Part #	Plug Angle	Chamber	Valve Size	Description
205cc Runner				
54300	Std	62cc	NA	4.8, 5.3, 5.7, 6.0
54301	Std	62cc	2.02" / 1.600"	4.8, 5.3, 5.7, 6.0
225cc Runner				
54302	Std	62cc	2.02" / 1.600"	4.8, 5.3, 5.7, 6.0

PRO ACTION SB FORD WINDSOR

• Bronze guides, 20°, 14mm plugs



Part #	Part #	Chamber	Valves +100"
180cc Runner			
35011	302-351W	58cc	2.02 / 1.60
35015	302-351W	64cc	2.02 / 1.60
200cc Runner			
35012	High RPM	58cc	2.02 / 1.60
35016	High RPM	64cc	2.02 / 1.60
215cc Runner			
35013	HP 347-421ci	58cc	2.08 / 1.60
35017	HP 347-421ci	64cc	2.08 / 1.60



HEAD FASTENERS

HEAD BOLTS



Part #	Application
134-3601	SB Chevy 1955-97
134-3609	SB Chevy LS1 hex head, to 2003
135-3601	BB Chevy 1966-98
135-3603	BBC long for Dart or World heads
154-3601	Small Block Ford 221-302
154-3603	Ford 351W
154-3604	Ford 351C
155-3601	Ford 390-428 FE
144-3602	SB Chrysler except Magnum & W2
145-3606	BB Chrysler factory head except Hemi
180-3600	Oldsmobile 350-455 7/16" to '76
190-3601	Pontiac 400-455 Ram Air 2, 4, SD & HO. '68-74



HEAD STUD KITS FOR FACTORY HEADS

134-4001	Small Block Chevy factory style 23 degree heads
234-4110	SB Chevy LS1 Pro-series hex head stud kit
135-4001	Big Block Chevy OE cast and aluminum heads
144-4001	SB Chrysler factory heads except W2, W5 & W7
145-4006	Big Block Chrysler 383-440 wedge head
154-4001	Ford 289-302 7/16" factory heads
154-4003	Ford 351W 1/2"
155-4003	Ford 429-460 & 429 CJ SVO aluminum
185-4001	Oldsmobile 455 7/16"
190-4003	Pontiac '68-79 400-428 & 455 SD & HO



HEADER BOLTS AND STUDS

3/8" X .750" Bolt Kit

100-1101	12 piece black oxide hex head
100-1102	16 piece black oxide hex head
400-1201	12 piece stainless steel 12-pt.
400-1202	16 piece stainless steel 12-pt.

3/8" x 1.670" Stud Kit

100-1412	12 piece black oxide hex head
100-1414	16 piece black oxide hex head
100-1403	16 piece stainless steel 12-pt.



190,000 PSI CHEVY HEAD BOLTS

Part #	Application
EHC-99K	requires 2 sets per engine
EHC-99S	boxed complete engine set



HEAD BOLT SETS

Part #	Application
HB259N	Jeep 4.0 1986-96
HB244N	Jeep 4.0 1996-04
HB350N	SB Chevy 1955-97 5/8" head
HB381N	GM 6.2-6.5 Diesel
HB370N	Ford 370-429-460 VIN "L" & "G"
38-370N	Ford 370-429-460 L&G Now Available



CYLINDER HEAD TO BLOCK DOWEL KITS

Part #	Application
S1110	SB Chevy; SB Chrysler
S1111	BB Chevy; BB Chrysler
S1112	Ford 221-351 & 400
S1113	Ford 330-428, 429-460



NEW BARE CYLINDER HEADS

Combine New Cylinder Head Castings with New Parts for the BEST RESULTS



TH43N



CH5258M



Description	Years	VIN#	Casting #	Part #
BMW 2.5 DOHC 6 Cyl 24V M50	1993-96		1738400	BMH25DOHC
Jeep 2.5L L4	1986-02	E	403	AH25*
Jeep 4.0L L6	1998-05	S	331	AH40*
Chrysler 2.2-2.5L OHC L4	1986-89		782	CH2225*
Chrysler 3.7L V6 SOHC Right	2002-04	K	984AB	CH37OHCR NEW
Chrysler 3.7L V6 SOHC Left	2002-04	K	983	CH37OHCL NEW
Chrysler 3.9L V6	1992-03	X, 2	680	CH39M*
Chrysler 4.7L V8 SOHC Right non-HO	1999-07		802	CH47R NEW
Chrysler 4.7L V8 SOHC Left non-HO EGR block-off included	1999-07		801	CH47L NEW
Chrysler 318-360 Magnum V8	1992-01	Y	671, 044, 714, 466, 468	CH5258M*
Chrysler/ Mits. 2.0 G63 8V L4	1983-89			CMH208V
Chrysler/ Mits. 2.0 4G63 12V L4	1983-91			CMH2012V
Chrysler/Mits. 2.4 SOHC L4 16V G64FR	1997-99	G	G6	CMH2416V
Chrysler/Mits. 2.4 SOHC L4 8V 4G64	1993-99	L, W	64	CMH248V
Chrysler/ Mits. 2.6L OHC 8V L4	1982-89			CMH268V
Chrysler/ Mits. 2.6L OHC 12V L4	1981-88			CMH2612V
Chrysler/ Mits. 3.0L 6G72 V6	1987-02			CMH30
Cummins 4BT 3.9L Diesel			¹ Complete Heads	CUH39BTC ¹
Cummins 6BT 5.9L Diesel			¹ Complete Heads	CUH59BTC ¹
Ford 2.0L SOHC L4 Focus	2000-04	P	YS4	FH20FOC*
Ford 2.3L SOHC L4 Oval/Round	1974-02		E1ZE	FH23OHC
Ford 2.3-2.5L SOHC L4 8-Plug	1995-00	A, C	F57E	FH23OHC8P
Ford 2.3L Tempo L4	1987-94	X	F27E	FH23L
Ford 2.9L V6	1986-90	T	86TM	FH29*
Ford 3.0L V6 8mm Stem	1986-95	U	E6AE, F6DE	FH308MM*
Ford 3.0L V6 7mm Stem	1986-03	U	F6DE	FH307MM*
Ford 4.0L V6 Early	1990-94	X	90TM, 93TM	FH40E*
Ford 4.0L V6 Late	1995-00	X	95TM, 97TM, 98TM	FH40L*
Ford 3.8-4.2 V6	1997-05	4, 1	XF2E	FH3842XF
Ford 255 V8	1980-82	D	E0SE, E1SE	FH42V8
Ford 300 FI L6	1987-96	Y	E7TE	FH49L
Ford 302 V8 W-Smog	1978-85	F, G, M, N	D8OE, E5AE	FH50E5*
Ford 302 V8 W-Smog	1986-91	F	E6SE	FH50E6*
Ford 302 V8 late	1980-96	N	E7TE, F1ZE	FH50L
Ford 351 V8	1983-97	H	E5TE, E7TE	FH58L

Description	Years	VIN#	Casting #	Part #
Ford 6.0 Diesel Early 18mm Dowel	2003-04	P	1843030C1	FH60D18MM 
Ford 6.0 Diesel Late 20mm Dowel	2004-07	P	1855613C1	FH60D20MM 
Ford 7.3L Diesel V8	1988-96	M	1809030	FH73D
Ford 460 FI V8	1988-92	G	E7TE, E8TE	FH75E7
Ford 460 FI V8 (88-92 Use '93 on Int. Valves)	1993-97	G	F3TE	FH75F3
GM Saturn 1.9 TBI-MPI	1990-96	8, 9	136, 649, 713	GMH19SOHC
GM 2.2L OHV L4	1994-97	4	391S	GMH22391S*
GM 2.2L OHV L4	1998-99	4	507	GMH22507*
GM 2.2L OHV L4	2000-02	4	146	GMH22146*
GM 2.3 Quad 2.3 DOHC	1987-94	A, D	086, 753, 955	GMH23DQE
GM 2.5 Postal	1987-92	E	642	GMH25P
GM 2.5--3.0 Marine/Industrial	1974-92		485, 514, 964	GMH30M*
GM 3.1 - 3.4 10mm R/A Bolt Holes	1996-02	E	170, 487	GMH31410MM*
GM 3.4 8mm R/A Bolt Holes	2000-02	E	170, 487	GMH348MM*
GM 4.3L 262 V-Tech V6	1996-01	W, X	113, 114, 140, 772	GMH43V
GM 4.8 & 5.3L V8	1999-07	V, T	706, 862	GMH4853*
GM 5.0 305 V-Tech V8	1996-99	M	059, 113, 520	GMH50V*
GM 5.7 346 LS-1	1997-04	G	853, 241	GMH57LS
GM 350 Early	1978-86		487, 882, 920, 993, 624	GMH57E*
GM 350 Early 2.02 X 1.60 Valves	1968-86			GMH57EHP
GM 350 Late	1987-95	K, M	191, 193	GMH57L*
GM 350 Police/HP/Marine	1986-92	8	083, 217	GMH57HPM*
GM 350 V-Tech	1996-01	R	062, 906	GMH57V*
GM 6.5 Diesel Non Turbo	1992-99	F, S	567 - 90° Intake	GMH65DNT*
GM 6.5 Diesel Turbo & Non Turbo	1992-99	F, S	567 - 90° Intake	GMH65D*
GM 6.5 Diesel Angle Studs	1995-02	F	567 - 60° Intake	GMH65D60*
GM 6.6 Duramax Diesel LLY	2004-06	2		GMH66DLLY 
GM 6.6L Duramax Diesel LBZ	2006-07	D		GMH66DLBZ 
Isuzu 2.3L OHC L4 W-Cam	1986-92	L	4ZD1	ISH23
Isuzu 2.5-2.8			4JA1, 4JB1	ISH2528 - TBA
Isuzu 2.6L OHC L4 W-Cam	1988-96	E	4ZE1	ISH26
Isuzu 4BD2-T Diesel Truck			4BD2-T	ISH394BD
Isuzu 6BD1 5.8L	1976-88		6BD1	ISH586BD
Mazda 1.6L DOHC 16V	1990-94		B551-3	MZH16DOHC
Mazda 2.0-2.2L FE; F2 Truck	1983-93		F8, F79	MZH20228V*
Mazda 2.6L SOHC	1989-94		G6	MZH2612V
Nissan Z24 2.0L 8 Plug SOHC	1983-89		10W	NH248
Suzuki 1.6L Sidekick 16V SOHC	1992-01	0, 3		SZH16L
Toyota 2.0-2.2L OHV 3-4YEC 8V	1984-89	Y	3Y, 4Y	TH2022Y
Toyota 2.2L 5SFE DOHC	1992-01		21A	TH225SFE*
Toyota 2.4L OHC L4 22RE	1985-96			TH2422RE*
Toyota 2.4L OHC L4 22RET Turbo	1985-89			TH2422RT
Toyota 2.4L DOHC 2RZFE Tacoma 16V 8-Port	1995-02	L		TH242RZ
Toyota 2.7L DOHC 3RZFE 4-Port	1994-02			TH274
Toyota 2.7L DOHC 3RZFE 8-Port	1996-00			TH278
Toyota 3.0L 3VZE SOHC Four Runner, Right	1988-95			TH30RN
Toyota 3.0L 3VZE SOHC Four Runner, Left	1988-95			TH30LN
Toyota 3.4L 5VZF DOHC Four Runner L & R	1995-04	V, N	5V	TH43N
VW 1.8L Turbo 20V AEB; APH	1998-06		058-373D	VWH1820V*

CARS & TRUCKS



1 Year Parts And Labor Warranty

Prepaid Core Return Direct To Factory
All Heads Remanufactured To Iso 9001

PART # DESCRIPTION



TOP CARS & TRUCKS

- AC262C1 Chrysler 3.9 OHV V6 Cast Iron C#5300
AC109C2 Chrysler 360 V8 Magnum Bolt Down Rocker Arm
AC357C9 Dodge Neon 2.0 DOHC #086-AB-W or AB-P W/EGR, SQ. EX. PORT W/CAM
AC357C8 Dodge Neon 2.0 DOHC #086-AC-J NO EGR, SQ. EX PORT NO STEAM HOLES
AC122C1 Ford 1.9 FOEE W/ Cam Sensor Center Bolt
AC122C5 Ford 2.0 DOHC #YS4E
AC150CC2 Ford 2.5 SOHC Cast Iron W/Cam
AC268C2 Ford 4.0 V6 Alum SOHC #1L2E No Sensor (Right)
AC268C3 Ford 4.0 V6 Alum SOHC #1L2E W/Sensor (Left)
AC142C7 Ford 302 V8 BDR F.I. E5TE, E7TE
AC154C7 Ford 300 L6 BDR F.I. With SMOG
AC163C3 Ford 460 V8 BDR F.I C#F3TE



- AC357C1 Ford 5.4 V8 SOHC #F75E W/Tempsnsr, Driver
AC173C4T GM 2.2 #507 S-10 Only
AC177C4 GM 3.1 C#170,487 10mm Rocker Studs
AC177C5 GM 3.4 C#487 w/ Smog 10mm Rocker Studs
AC177C9 GM 3.4 #487 and # 234 No Smog, 8mm Rocker Studs
AC178C1 GM 3.8 VIN K C#4781,8134
AC179C1NV GM 181/3.0 Boat/Forklift #620,770 New Casting
AC189C GM 4.3 V6 MFI Cast Iron C#248,768
AC189C2 GM 4.3 V6 MFI Cast Iron C#772,113,140 10mm Rocker Stud
AC196C19 GM 350 C#810 Slotted Pushrod Holes
AC218CC4 Honda 2.3 DOHC 16VLV #P75 W Cams
AC212CC1 Honda 1.5 16VLV C# PM-3, PM-9 SOHC W Cam
AC213C8 Honda 1.6 NON VTEC SOHC C#P2F-3-2
AC213C9 Honda 1.6 SOHC VTEC Alum D16Y8 C# P2J1
AC253CC1 Suzuki 1.0 FI W Cam
AC108C2 Jeep 4.7 SOHC V8 Alum Right Casting # 802
AC108C3 Jeep 4.7 SOHC V8 Alum Left Casting #801
AC108CC2 Jeep 4.7 SOHC V8 Alum W/Cam Right Casting # 802
AC108CC3 Jeep 4.7 SOHC V8 Alum W/Cam Left Casting # 801
AC300CC4 Mitsubishi 2.0-2.4 SOHC 16 VLV C#G69M W Cam
AC345CC2 Saturn 1.9 OHC W/Eyebrows, W/Cam
AC332CC Toyota 3.4 V6 DOHC 5VZFE Right W/ Cam
AC332CC1 Toyota 3.4 V6 DOHC 5VZFE LEFT W/ Cam



FORD / INTERNATIONAL IHC

- AC222C 6.0 Powerstroke Turbo Diesel '01-'06 C# 1843080C2 (8 VC holes)
AC222C3 6.0 Powerstroke Turbo Diesel '01-'06 C# 1843080C2, 1843808C1 (8 VC holes)
AC222C4 6.0 Powerstroke Turbo Diesel '06-'08 C# 3 vlv cover holes C# 1843080C3 - C#
AC222C5 6.0 Powerstroke Turbo Diesel '06-'08 C# 2 VC holes C#1855613C1
AC222C2 7.3 Powerstroke Diesel 10 Intake Bolts

GMC TRUCK

- AC205C5 GM 6.5 Turbo Diesel *Angle Int.Bolts
AC205C6 GM 6.6 Duramax C#687-3,86F1 2 Lg and 2 Sm Intake Ports
AC205C7 GM 6.6 Duramax C#687-3,86F1 Same Size Intake Ports
AC205C8 GM 6.6 Duramax C# 704-1; C# 476-1,
External Injector Holes Glowplug Middle Of Head Exhaust Side
AC205C9 GM 6.6 Duramax C#409-1, 86-F
External Injector Holes Glowplug Near Surface Exhaust Side



HEAVY DUTY & AG



1 Year Parts and Labor Warranty

HD Heads Remanufactured to ISO 9001



PART # DESCRIPTION

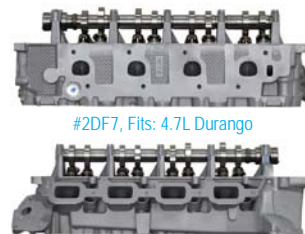
- HD112C CAT- 3406-A
HD113C CAT- 3406-B
HD114C CAT- 3406-C
HD115C CAT- 3406-E
HD200C Cummins - B Series 3.9 4 Clyinder
HD201C Cummins - B Series 5.9 6 Cylinder 12 VLV
HD202C Cummins - B Series 5.9 24 Valve ISB -627
HD203C Cummins - B Series 5.9 24 Valve ISB - 647
HD204C Cummins - B Series 5.9 24 Valve ISB - 999
HD205C Cummins - B Series 5.9 24 Valve ISB -627 No Notches
HD220C Cummins - ISB Series 6.7 24 Valve - 770, 647
HD306C Detroit - 2-71
HD307C Detroit - 3-71 ;
HD308C Detroit - 4-71
HD309C Detroit - 6-71
HD401C Ford - 7.8
HD450C Ford Industrial - 172-192 GAS
HD451C Ford Industrial - 172-192 DIESEL
HD500C IHC / Navistar - DT360
HD501C IHC / Navistar - DT466E
HD502C IHC / Navistar - DT466
HD550C Isuzu - 4BDT
HD551C Isuzu - 6BDT
HD606C John Deere - 5.9 6059 Powertech
HD607C JOHN DEERE - 5.9 359 D/T



BARE or ASSEMBLED HEADS



Download complete catalog at: www.atkvege.com



#2DF7, Fits: 4.7L Durango



Table with columns: CHEVROLET, ENGINE CYLINDER HEAD, DESCRIPTION, MANUFACTURE, YEAR, etc.

- Domestic, Import, Marine, Industrial
• Gas, Diesel
• 12 / 12 Part / Labor Warranty
• ISO/TS Award Winner
• Shipped in Reusable Tubs

OE HEAD BOLT SETS

Includes bolts for BOTH HEADS



Description	Engine Pro Part #	Fel-Pro Part #
AM 226 3.7L Vin K (02-05)	38-1105	ES71129-1
CR 122 2.0L Vin C,F Car (00-05)	38-149	ES72157
CR 122 2.0L Vin 9 Trk (02-04) Car Vin B,Y(95-04)	38-150	ES72166
CR 148 2.4L Vin J (95-07)	38-151	ES71028
CR 150 2.5L Vin P (97-02)	38-1122	ES72896
CR 168 2.7L (98-07) Vin R,U	38-140	ES72897
CR 3.3L, 3.8L (97-07)	38-1136	ES72163
CR 226 3.7L (02-05) Vin K Trk	38-1105	ES71129-1
CR 3.9L	38-1139	ES71038
CR 287 4.7L (00-07)	38-1100	ES71129
CR 318 5.2L Car (92-96), Trk (98-03) Vin Y	38-1144	ES71038-1
CR 5.7L	38-1160	ES72200
CR 360 5.9L (93-96) Trk	38-1144	ES71038-1
CR 5.9L Cummins 24-valve	38-1165	ES72193
CR 8.3L V-10	38-1183	ES72209
FO 2.0L SOHC Vin P (97-04)	38-420	ES72672
FO 2.0L DOHC (95-00) Vin Z	38-413	ES72175
FO 2.0L (93-97) Vin A DOHC	38-425	ES74020
FO 177 2.9L (86-92)	38-421	ES72794
FO 2.5/3.0L 95-06 DOHC V6	38-411	ES72159
FO 3.0L 99-07 OHV V6 Vin U	38-4138	ES72174
FO 3.0L 86-99 OHV V6 Vin U	38-4137	ES72136
FO 3.0L Vin S Jaguar Lincoln LS	38-4109	ES72208
FO 3.0/3.2L (89-95) S.H.O. VinY,P	38-4111	ES74030
FO 232 3.8L (99-04) Vin4, Trk (96)	38-4120	ES72160
FO 230/232 3.8L Trk (95), Car (89-95)	38-4116	ES72131
FO 3.8L (96-97) Old Design	38-4122	ES72156
FO 3.9L V6 (96-03)	38-4162	ES72160
FO 244 4.0L VinX (97-01)	38-421	ES72794
FO 244 4.0L (01-03)	38-428	ES72171
FO 256 4.2L (99-00)	38-4120	ES72160
FO 281 4.6L (91-01) Vin W, 6	38-4150	ES72798
FO 302 5.0L (92-01)	38-4113	ES72155
FO 6.8L V10 (97-08) Vin S	38-4184	ES72798-1
FO 7.3L V8 94-03 International	38-4200	ES72161
FO 7.5L V8 370-460	38-370N	
GM 135 2.2L Vin G,4 (93-94) HBK322	38-489	ES74016
GM 134 2.2L (00-09) DOHC ECOTEC	38-314	ES72196
GM 146 2.4L Vin T (96-02) HBK332	38-332	ES72165
GM 189 3.1L (87-99) Vin M, (99-04) Vin J	38-3131	ES74017
GM 207 3.4L (96-99) Trk, (99) Car VinE (87-05)	38-3147	ES72892
GM 207 3.4L (91-97) VinX	38-3112	ES72177
GM 207 3.4L (00-03) Vin E Car	38-3131	ES74017
GM 3.3/3.8L (88-95)	38-3116	ES74031
GM 3.5/3.9L (06-09) Vin N V6	38-3135	ES72230
GM 3.5/4.2L (02-09) DOHC Vin S L6	38-3138	ES72195
GM 231 3.8L Vin K,@ (97-05) FWD	38-3143	ES74033
GM 262 4.3L (85-09)	38-3125	ES74034
GM 281 4.6L Vin 9,Y (93-99)	38-3154	ES72186
GM 281 4.6L (00-05) Vin A,9,Y	38-3164	ES72187
GM 293 4.8L (97-03)	38-3165	ES72173



Description	Part #	Part #
GM Small Block	38-3101	ES72856
GM 325 5.3L (99-03)	38-3165	ES72173
GM 454 7.4L (70-00)	38-454N	ES72264
GM 496 8.1L (01-07) Vin G	38-3181	ES72188
HON, F23A1,F23A4,F23A5 2.3L (98-02)	38-214	
HON, K24A2 2.4L (04-08) also ACURA (02-09)	38-216	
HY G4GF, 2.0L (97-08)	38-124	ES71313
HY, G4EC (01-05), G4ED (06-08) 1.6L	38-129	ES71203
HY, G4JS 2.4L (99-05), Trk (01-06) Mitsu Eng	38-123	ES72211
HY, G6BA 2.7L (02-07), Trk (01-07)	38-136	ES72205
IST, L6G, 3.1L (Chev) (91-94) Vin Z	38-3115	ES72901
KIA 1.5L B5 RIO (01-02)	38-407	ES72227
KIA G4ED 1.6L 2006	38-129	ES71203
KIA G4JS 2.4L (01-06) Mitsu Eng	38-123	ES72211
KIA G6BA, 2.7L (02-07), Trk (05-07)	38-136	ES72205
MAZ 2.5L V6 KL-ZE (93-02) DOHC 24V	38-455	
MAZ 1.6L PROTÉGÉ ZM (99-03)	38-433	
MAZ 2.0L L4 626 (98-03) DOHC FS-DE	38-492	
MAZ 2.0L 3,6 (04-08)	38-432	ES72207
MAZ 3.0L 929, MPV (88-98) 18V SOHC V6 CE,JE	38-470	
MIT 2.0L 4G63T (95-99) 2.4L 4G64 (00-05)	38-155	ES71177
MIT 2.5L 6G73, 3.0L 6G72, 3.5L 6G74	38-125	ES72859
MIT 1.8L 4G93 MIRAGE (92-02)	38-119	ES71209
MIT 2.6L G54B-T (83-89)	38-101	ES72860
NIS 1.6L GA16DE (91-99)	38-640	ES74025
NIS 2.0L SR20DE (91-02)	38-670	ES72192
NIS 3.0L VQ30DE (95-01) 3.5L VQ35DE (02-07)	38-632	ES72900
NIS 1.8L QG18DE (00-06)	38-614	ES72203
NIS 2.5L QR25DE (02-08)	38-638	ES72198
NIS 2.4L KA24E (89-92), Trk Z24I (97-90), KA24E (90-97)	38-607	ES74026
SAT 1.9L Vin 7 (91002)	38-311	ES72903
SAT 3.0L Vin R OPEL Eng (97-05)	38-315	ES72906
SAT 3.5L VUE (04-08)	38-318	ES72221
SUB 2.5L EJ25D (96-99)	38-710	ES72905
SUB 2.2L (93-01) EJ22E, EJ22EZ	38-708	
SUB 2.5L EJ252, EJ255 (99-07)	38-715	ES72212
SUK GEO METRO 1.0L (92094) (89-97)	38-526	ES74021
SUK 2.5L, 2.7L GRAND VITARA (99-08)	38-523	ES72206
SUK 1.6L SIDEKICK G16KV (95-01)	38-525	
TOY 2.4L 22REC (85-95)	38-900	ES71178
TOY 3.0L 3VZE (88-95)	38-950	ES72185
TOY 3VZFE (92-93)	38-909	ES72168
TOY 2.4L 2RZFE (95-04), 2.7L 2TRFE (05-08) 3RZFE (94-04)	38-957	ES72182
TOY 1.8L 7AFE (93-97)	38-920	
TOY 2.2L 5SFE (90-01)	38-940	ES72154
TOY 1.5L 5EFE (92-99)	38-935	ES72181
TOY 4.0 LEXUS 1UZFE (98-00), 4.3L 3UZFE (01-07)	38-970	ES72202
TOY 3.0L LEXUS, 2JZGE (92-05)	38-944	ES72213
TOY 1.8L 1ZZFE (98-07)	38-943	ES71066
TOY 3.0L 1MZFE (94-06), Trk (98-03)	38-960	ES71036
TOY 1.5L 3E TERCEL (87-90)	38-903	ES74027
TOY 1.5L 3EE TERCEL (90-94)	38-903A	ES74027
TOY 1.8L 2ZZGE (00-06)	38-916	ES71066
TOY 2.4L 2AZFE (02-07), Trk 2.0L 1AZFE (01-03)	38-922	ES71183

O.E. GASKETS

30- Full Sets

36- Head Sets

37- Lower Sets



GREAT VALUE !

HIGH QUALITY, ISO 9001:2000

Cylinder Head Gaskets

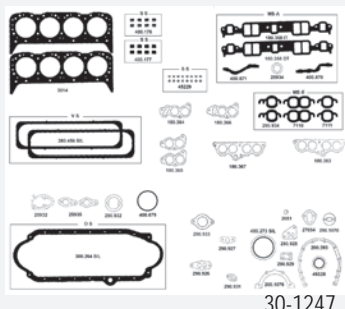
• Perforated steel core feature an exclusive Teflon-graphite coating that resists heat and seals minor surface imperfections. MLS featured on some sets.

Valve Cover and Oil Pan

• Manufactured with a variety of technologies for improved sealing properties, torque retention and temperature resistance

Oil Seals

• Pre-lubricated oil seals are easy to assemble and provide enhanced resistance to abrasion, oil and heat



30-1247



DESCRIPTION	30 FULL	36 HEAD SET	37 LOWER
AMERICAN MOTORS/JEEP PRODUCTS			
199-3.3L (65-70) Car and Jeep	30-1007		
232-3.8L (64-79) Car and Jeep	30-1007		
242-4.0L (87-90) Car and Jeep	30-1424		
242-4.0L (91-92) Car and Jeep Vin S		36-9076PT1	
258-4.2L (81-90) Car and Jeep	30-1134-2		
343-5.6L (67-69) Car and Jeep	30-1151		
360-5.9L (70-78) Car and Jeep	30-1151		
390-6.4L (68-70) Car and Jeep	30-1151		
401-6.6L (71-76) Car	30-1151		
CHRYSLER PRODUCTS			
122-2.0L Car (95-99) Vin B,Y		36-9922PT	37-9922
122-2.0L Car (00-05) Vin C		36-9036PT2	37-9036
122-2.0L Car (01-05) Vin F		36-9036PT3	37-9036
148-2.4L Car (01-05) Vin G		36-26172PT	
148-2.4L Car (95-00) Vin X		36-9924PT	37-9924
148-2.4L Car (01) Vin X		36-9924PT1	37-9924
148-2.4L PT Cruiser (01) Vin B		36-9946PT	37-9946
148-2.4L Car (03-07) Vin E,G,S		36-26202PT	37-26202
148-2.4L PT Cruiser (02-04) Vin B [*03-04]		36-26206PT1	37-26202*
148-2.4L Car (02-04) Vin X		36-26206PT	37-9924
148-2.4L PT Cruiser (05-07) Vin B		36-26202PT3	37-26202
150-2.5L Truck & Jeep (97-02) Vin P		36-9196PT5	
166-2.7L Car (98-00) Vin R,U	30-5071	36-9514PT	37-9514
166-2.7L Car (01-07)	30-5070	36-9514PT1	37-9514
215-3.5L Car (98-06) Vin G, (02-04) Vin K,M, (00-06) Vin V [*99-04]		36-26208PT	37-9505*
215-3.5L same as above (05-09)			37-9505-2
215-3.5L Car (08) Vin F, (99-02) Vin G, (02) Vin K,M, (00-02) Vin V		36-9505PT	37-9505
215-3.5L Car (07-09) Vin G,M, (07-08) Vin V, Truck (09) Vin S		36-26208PT2	37-9505-2
226-3.7L Truck (02-05) Vin K (Steel Valve Covers)		36-26229PT	37-26229
226-3.7L Truck (05-09) Vin K (Plastic Valve Covers)		36-26229PT1	37-26229
239-3.9L Truck (92-97) Vin X		36-9910PT	
242-4.0L Jeep (87-90)	30-1424		
242-4.0L Jeep (91-92) Vin S		36-9076PT1	
287-4.7L Truck (00-03) Vin n	30-5140	36-26157PT	37-26157
287-4.7L Truck (04-07) Vin n,J,P	30-5142	36-26157PT1	37-26157
318-5.2L Car (66-89), Truck (78-89)	30-1153-3		
318-5.2L Truck (92-96) Vin Y	30-1708		318-5.2L
Truck (98-03) Vin Y [*03-07]		36-26179PT2	37-9898-3*

DESCRIPTION	30 FULL	36 HEAD SET	37 LOWER
340-5.6L Car (68-73)	30-1153-3		
360-5.9L Car (71-80) Vin L,J,K Truck (71-89) Vin F,K,L,T,U,V,Y	30-1033-2		
360-5.9L Truck (93-96) Vin 5, Z	30-1723		
360-5.9L Truck (98-03) Vin 5, Z	30-1865		
360-5.9L Truck (93-97) Vin 5, (98-03) Vin Z [93-96]		36-9898PT1	37-9898-1*
360-5.9L Truck (98-02) Vin 5, (98-03) Vin Z		36-9898PT2	
361-5.9L Truck (65-66)	30-1001		
383-6.3L Car & Truck (63-71)	30-1001		
400-6.6L Car (72-78), Truck (71-73)	30-1001		
440-7.2L Car (66-78), Truck (72-73)	30-1001		
FORD PRODUCTS			
121-2.0L SOHC Focus Car (00-04) Vin P		36-9539PT1	37-9309-2
121-2.0L DOHC 16 Valve Car (00-03) Vin 3, Truck (02-04) Vin B		36-9005PT5	37-9005-1
138-2.3L DOHC 16 Valve MFi Car (04-06) Vin Z		36-26250PT3	
138-2.3L DOHC 16 Valve MFi Truck (01-03) Vin D		36-26250PT	
144-2.4L Car (60-64)	30-1002		
155-2.5L Car (95-00) Vin L, (98-00) Vin G		36-9038PT	
170-2.8L Car (60-72)	30-1002		
177-2.9L Car (88-89) Vin V, Truck (86-92) Vin T	30-1220		
177-2.9L Truck (91-92) Vin T		36-9510PT2	
181-3.0L Truck (01-04) Vin 1		36-9540PT3	
183-3.0L Car (96-00) Vin U,1,2, Truck (96-00) Vin U,V		36-9885PT3	
183-3.0L Car (01-07) Vin U,2		36-9885PT5	
200-3.3L Car & Truck (63-87)	30-1002		
232-3.8L Car (T-Bird,LX, Cougar,Xr7) (91-93) Vin 4		36-8857PT5	37-8857-5
232-3.8L Car (Some models) (91-93) Vin 4		36-9560PT1	37-9250-1
232-3.8L Car (94-95) (Some models) Truck (95) Vin4	30-1694		
232-3.8L Car (T-Bird,LX,Cougar,Xr7) (94-95) Vin 4		36-8857PT6	37-8857-6
232-3.8L Truck (3mm thick mfl'd. gasket) (97-1/14/98) Vin 4		36-9250PT1	37-8857-6
232-3.8L Truck (96) Vin 4	30-1739		37-8857-6
232-3.8L Truck (99-03) Vin 4		36-9250PT4	37-9250
240-3.9L Car (65-72), Truck (66-76)	30-1006		
244-4.0L Truck (90-94) Vin X 3 [*1994]		36-9724PT1	37-9724-1*
244-4.0L Truck (95-96) Vin X		36-9081PT	37-9724-1
244-4.0L Truck (97-01) Vin E, (00-01) Vin K)		36-9293PT	37-9293
244-4.0L Truck (97-01) Vin X		36-9081PT1	37-9724-1
244-4.0L Truck (00-03) Vin E,X		36-9293PT2	37-9293
244-4.0L Truck (04-09) Vin E,K		36-26300PT	
256-4.2L Truck (97-98) Vin 2		36-9250PT	37-9250

KIT PARTS

O.E. GASKETS

30- Full Sets

36- Head Sets

37- Lower Sets

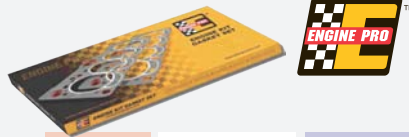
DESCRIPTION	30 FULL	36 HEAD SET	37 LOWER
256-4.2L Truck (98-00) Vin 2		36-9250PT2	37-9250
256-4.2L Truck (01-04) Vin 2		36-9250PT5	37-9250-1
281-4.6L Car (91-94) Vin W	30-1671		
281-4.6L Car (95-99) Vin W	30-1689		
281-4.6L Car (96-00) Vin 9, (95-00) Vin W		36-9790PT7	37-9790-4
281-4.6L Truck (97-99) (02) Vin W [*97-98]		36-9790PT8	37-9790-4*
281-4.6L Truck (99) (02) Vin W			37-9790-5
281-4.6L Truck (97-99) Vin 6		36-9792PT3 [*97-98]	37-9790-4*
281-4.6L Truck (99) Vin 6		36-9792PT3 (99)	37-9790-5
281-4.6L Car (99-00) Vin 6,X		36-9792PT1	37-9790-5
281-4.6L Car (00) Vin X	30-5500		
281-4.6L Truck (01-02) Vin W		36-9790PT10	37-9790-5
281-4.6L Car (01-02) Vin 9,W (01) Vin X		36-9790PT16	37-9790-5
281-4.6L Car (01-03) Vin X	30-5501		
281-4.6L Truck (01-03) Vin 6		36-9792PT5	37-9790-5
281-4.6L Truck (02-04) Vin W		36-9790PT17	37-9790-5
281-4.6L Car (03) Vin 9, (03-04) Vin W, (02-04) Vin X		36-9792PT6	37-9790-4
281-4.6L Car (04-08) Vin 9, Truck (97-99) Vin W		36-9792PT8	37-9790-4
289-4.7L Car (63-68) Vin D,K	30-1125		
300-4.9L Truck (65-85)	30-1006		
300-4.9L Truck (85-86) Vin B,Y	30-1174		
300-4.9L Truck (87-91) Vin Y, (90-91) Vin 9	30-1420		
302-5.0L Car & Truck (68-11/30/82)	30-1125		
302-5.0L Car (83-85) Vin F,H,N (87) Vin Y	30-1169		
302-5.0L Car (86-90) Vin E,F,M	30-1445		
302-5.0L Truck (87-89) Vin N,Y	30-1451		
302-5.0L Truck (90-96) Vin N,P,X	30-1559		
330-5.4L Truck (7/21/97-98) Vin L,M,Z (Some models)		36-9790PT11	37-9790-1
330-5.4L Truck (97-98) Vin L,M		36-9790PT4	
330-5.4L Truck (99) Vin L,M,Z (Some models)		36-9790PT12	37-9790-5
330-5.4L Truck (00-05) Vin L, (00-08) Vin M, (01-04) Vin W, (04) Vin Z		36-9790PT15	37-9790-5
351C-5.4L Car (70-74)	30-1014		
351M -5.4L Car (75-79) Vin H, Truck (77-81) Vin G,H	30-1014		
351W-5.8L Car (69-74) Vin H,M, Truck (69-74) Vin H,M	30-1028		
351W-5.8L Truck (75-83) Vin G,H,W	30-1189		
351W-5.8L Car (83-87) Vin G, Truck (83-87) Vin G,H	30-1170		
351W-5.8L Car (87-91) Vin G, Truck (87-93) Vin H,R	30-1446		
360-5.9L Truck (68-77)	30-1035		
390-5.9L Car (61-71), Truck (67-77)	30-1035		
400-6.6L Car 71-79 Vin S, Truck (72-82) Vin S,Z	30-1014		
427-7.0L Car (63-69)	30-1035		
428-7.0L Car (66-70), Truck (68-69)	30-1035		
429-7.0L Car (68-72), Truck (70-72)	30-1013		
460-7.5L Car (68-70), Truck (73-85)	30-1013		
GENERAL MOTORS PRODUCTS			
134-2.2L Car (93-97) Vin 4	30-1749	36-9469PT2	37-9469
134-2.2L Truck (94-97) Vin 4	30-1748	36-9170PT	37-9469
134-2.2L Car (98-02) Vin G, Truck (98-02) Vin 4		36-9170PT1	37-9469
134-2.2L Car (02-06) Opel Engine [*02-05]		36-26223PT1	37-26223*
146-2.4L Car (96-99), w/EGr (99) Vin T		36-9115PT	37-9115
146-2.4L Car (99-02) w/o EGr (99), Vin T		36-9059PT	37-9115
151-2.5L Car (84-86) Vin r,2 Truck (85-86) VinE	30-1178		
151-2.5L Car (85-86) Vin U	30-1179		

DESCRIPTION	30 FULL	36 HEAD SET	37 LOWER
151-2.5L Car (87) Vin r, Truck (86) Vin E	30-1228		
151-2.5L Car (87) Vin U	30-1229		
151-2.5L Car (88-89) Vin R	30-1464		
173-2.8L Car (80-85) Vin L,X,Z,1, Truck (82-85) Vin 3	30-1123		
173-2.8L Car (85) Vin X, Truck (85) Vin B w/o F.i.	30-1143		
173-2.8L Car (85-86) Vin S,W, Truck (86) Vin R	30-1144		
173/2.8L Car (87-89) Vin S, Truck (87-93) Vin R	30-1232		
189-3.1L Car (93-96) Vin M, 1st Int	30-1746	36-9957PT	37-9957
189-3.1L Car (95-99) Vin M, 2nd Int	30-9957PT2	36-9957PT2	37-9957
189-3.1L Car (99-03) Vin J		36-9957PT1	37-9957
189-3.1L Car (04-05) Vin J		36-9957PT3	37-9957
204-3.3L Car (92-93) Vin N		36-9644PT3	
207-3.4L Car (99), Truck (96-99) Vin E		36-9071PT	37-9957
207-3.4L Car & Truck (00-03) Vin E		36-9071PT1	37-9957
207-3.4L Car & Truck (04-05) Vin E		36-9071PT2	37-9957
231-3.8L Car (97-05) Vin K,2 FWD		36-9917PT3	
231-3.8L Car (98-05) Vin 1 Supercharged		36-9089PT2	37-9917
235-3.8L Car (53-62), Truck (53-63)	30-1569		
250-4.1L Car (66-79), Truck (66-78) w/o integral cyl. head	30-1005		
250-4.1L Car & Truck (75-79) w/integral cyl. head	30-1019		
254-4.2L Truck (02-04) Vin S		36-26214PT	
262-4.3L Car (86-92) Vin Z, Truck (86-92) Vin B	30-1240-2		
262-4.3L Truck (92-93) Vin W w/balance shaft	30-1730	36-9354PT3	37-9354-1
262-4.3L Car (92) Vin Z, Truck (91) Vin B, (91-92) Vin Z		36-9354PT1	37-9354-1
262-4.3L Truck (94-95) Vin W Vortec w/balance shaft	30-1728	36-9354PT4	37-9354-1
262-4.3L Truck (96-06) Vin X, (96-03) Vin W, (96) Vin Z	30-1738	36-9354PT6	37-9354-3
281-4.6L Car (95-99) Vin Y, 9		36-26150PT1	
281-4.6L Car (02-05) Vin Y, 9		36-26150PT3	
281-4.6L Car 9mm thick rear main seal (93-96) Vin Y 1st design, (93-94) Vin 9			37-26150
281-4.6L Car 12mm thick rear main seal (96-97) Vin Y 2nd design, (98) Vin Y 1st design w/o part # stamp on timing cover, (96-97) Vin 9			37-26150-1
281-4.6L Car (98) Vin Y w/part # stamp on timing cover, (99) Vin Z			37-26150-2
281-4.6L Car (00-05) Vin Y, (02-05) Vin 9			37-26150-3
292-4.8L Truck (63-78)	30-1005		
293-4.8L Truck (99-01) Vin V 1st design		36-9292PT	37-9284
293-4.8L Truck (02-03) Vin V 2nd design		36-26191PT	37-9284
302-4.9L Car (67-69)	30-1000		
305-5.0L Car & Truck (76-80)	30-1023		
305-5.0L Car & Truck (81-85) Vin F,G,H	30-1024		
305-5.0L Car (86), Truck (85-86) Vin F,G,H	30-1243-2		
305-5.0L Car & Truck (87-97) Vin E,G,H w/o F.i.	30-1246		
305-5.0L Car (87-92) Vin F w/o F.i.	30-1247		
305-5.0L Truck (96-02) Vin M Vortec w/o F.i.		36-8510PT6	37-8510-1
307-5.0L Car & Truck (68-73)	30-1000		
325-5.3L Truck (99-01) Vin T 1st design		36-9292PT	37-9284
325-5.3L Truck (02-03) Vin P,T		36-26191PT	37-9284
325-5.3L Truck (05-07) Vin B, (05-09) Vin M, (08-09) Vin L		36-26190PT2	37-9284
327-5.3L Car & Truck (62-69)	30-1000		
330-5.4L Car (Oldsmobile) (64-67)	30-1008		
350-5.7L Car (Chevrolet) (67-79) Truck (69-79)	30-1000		
350-5.7L Car (Chevrolet) & Truck (80-85) Vin 6.8 Exc. Corvette	30-1045		
350-5.7L Car (Chevrolet) (87-93) Vin 6.7,8, Truck (87-96) Vin K,M,R		36-7733PT15	
350-5.7L Car (Chevrolet) (89-93) Vin 7, Truck (87-95) Vin K	30-1269		

KIT PARTS

(Cont from page 51)

Full Sets, Head Sets, Lower Sets



DESCRIPTION	30 FULL	36 HEAD SET	37 LOWER
350-5.7L Truck (96-02) Vin r Vortec	30-1735	36-7733PT16	37-8510-1
350-5.7L Car (93-97) Vin P LT-1	30-1650		
350-5.7L Car (Oldsmobile) (68-76)	30-1008		
350-5.7L Car (Pontiac) (68-77)	30-1025		
364-6.0L Truck (01-03) Vin N,U		36-26192PT	37-9284
364-6.0L Truck (01-03) Vin U Vortec, (04-07) Vin N		36-26192PT2	37-9284
366-6.0L Truck (66-85)	30-1009		
396-6.5L Car (65-69) Truck (66-69)	30-1009		
400-6.6L Car & Truck (70-76) Small Block	30-1016		
400-6.6L Car (Oldsmobile) (65-67)	30-1008		
400-6.6L Car (Pontiac) (67-79)	30-1025		
402-6.6L Car & Truck (70-72) Big Block	30-1009		
425-7.0L Car (Oldsmobile) (65-67)	30-1008		
427-7.0L Car (67-69)	30-1009		
454-7.4L Car (70-76) Truck (70-79)	30-1009		
454-7.4L Truck (91-95) Vin N	30-1635		
454-7.4L Truck (80-95) Vin n,W (80-85 w/o HSD emissions)	30-1046		
454-7.4L Truck (96-97) Gen V	30-5250		
454-7.4L Truck (96-on) Gen VI	30-5251		
455-7.5L Car (Oldsmobile) (68-76)	30-1008		
455-7.5L Car (Pontiac) (70-76)	30-1025		

HONDA PRODUCTS

1.5L (86-91) D15B1,D15B2		36-9123PT	
1.5L (88-95) D15B6,D15B8		36-9123PT1-3	
1.6L (86-91) D16A6		36-9123PT	
1.6L (96-98) D16Y8, (96-00) D16Y5,D16Y7		36-9915PT1	
2.2L (90-96) F22A1,F22A4,F22A6		36-9851PT	
2.2L (90-91) F22B1		36-9851PT1	
2.2L (94-97) F22B2		36-9958PT	

ISUZU PRODUCTS

2.2L (98-03) X22SE		36-26317PT1	
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NISSAN PRODUCTS

2.4L Truck (83-89) Z24		36-9210PT1	
2.4L Car(93-95) Ka24DE altima		36-9942PT	

SUBARU PRODUCTS

2.5L Car & Truck (00-09) EJ251,EJ252,EJ253		36-26170PT1	
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TOYOTA PRODUCTS

1.6L (88-93) 4AF,4AFE		36-8188PT	
2.0L (87-92) 3SFE		36-9861PT	
2.2L (90-12/1/96) 5SFE		36-9861PT	
2.4L (81-82) Car & Truck 22R	30-1091		
2.4L (83-84) Car & Truck 22R	30-1188		
2.4L Car (85) Truck (85-95) 22REC	30-1503	36-26185PT2	
2.4L (85-95) 22REC w/.05mm thicker head gasket	30-1503.020	36-26185PT2.020	
2.4L Truck (95-00) 2RZFE		36-9465PT	
3.0L Truck (88-95) 3VZE	30-1714	36-9728PT1	

SILICONE STEEL CARRIER**VALVE COVER GASKET SETS**

- Molded Silicone, Steel Carrier, Steel Compression Limiters
- Made in USA



Part #	Thickness	Thick @ Nominal Limiter	Application
31-1628	0.34	0.25	Chevrolet Small Block (59-86) Most Cylinder Heads except early "staggered" bolt pattern. Fits Chevrolet 18 degree and Brodix 12
31-12869T	0.2	0.16	Chevrolet Small Block (59-86) Most Cylinder Heads except early "staggered" bolt pattern. Fits Chevrolet 18 degree and Brodix 12
31-50504R	NA	NA	Chevrolet LS1/LS6 4.8L, 5.3L, 5.7L, 6.0L, (99-08), NOTE : Includes EGR gasket
31-1635	0.18	0.14	Chevrolet Big Block (65-84), 3 upper and 4 lower bolts
31-1684	0.18	0.14	Ford Small Block (62-01)

OIL PAN GASKET SETS

- Molded Silicone, Steel Carrier, Steel Compression Limiters
- Made in USA



Application	Thickness	Part #
31-1880-1	0.0141	Chevrolet Small Block, (75-85) RH or LH dipsticks, side rails trimmed for strokers
31-1886	0.0141	Chevrolet Small Block (86-97), RH dipstick. Fits GM Bow Tie short deck block, Non-CNC Bow Tie block w/2 piece seal adapter.
31-30693R	NA	Chevrolet LS1/LS6 4.8L, 5.3L, 5.7L, 6.0L (97-09)
31-1884	0.094	Chevrolet Big Block (65-90)
31-34407	0.094	Chevrolet Big Block (91-00)
31-13260	0.094	Ford Small Block (62-85)

VICTOR GASKETS**VICTOR REINZ****SB CHEVY NITROSEAL GRAPHITE**

Features: Nitro seal graphite facing At only 5.4cc, this non-retorque head gasket will give you maximum compression. Race only.

Part #	Bore Dia / Thickness
5746	4.100" .026"

**SBC GASKETS**

Part #	Application and Gasket Type
MS16167	Intake with Vortec cylinder heads (manifold gasket only)
JV1627	Rear main seal Lip relocator type (1959-85)
T27781	Timing cover gasket only
OS30568RLH	1-Piece pan gasket 75-79 LH-dip
OS32496B	1-Piece pan gasket 86-01

MLS HEAD GASKETS

Features: Intellicoat™ polymer coated for positive fluid seal
Ultimate temperature resistance
Lower clamping force means less bore distortion

Part #	Application
54441	GM 4.8L-5.3L V8 1999-2007 vin P,T,Z, V
54450	Ford 6.0L Diesel 2003-06 18mm dowel



VICTOR GASKETS



Victor Reinz is the first manufacturer to ever introduce a replacement head gasket all the way back in 1910.

Part# Description

HEAD SETS

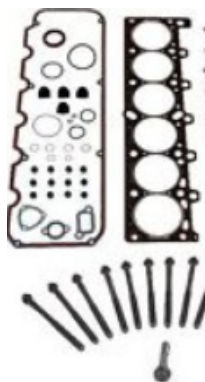
HS5765-1	Dodge/Mits 3.0L Truck 1990-2000 Vin 3
HS54557	Dodge/Cum. 5.9L TD 24-V 2003-09 Vin C, 6, 7 (o/s bore)
HS54556	Dodge/Cum. 5.9L TD 24-V 2003-09 Vin C, 6, 7 (std bore)
HS54774-1	Dodge/Cummins 6.7L TD 2007-13 Vin L, A
HS3428VM	Ford 351W 5.8L Marine
HS54450	Ford 6.0L TD 18mm dowel 2003-05 Vin P
HS54579	Ford 6.0L TD 20mm dowel 2004-10 Vin P
HS54657	Ford 6.4L TD 2008-10 Vin R
HS4956A	GM 3.4L V6 OHV 2000-03 Vin E
HS54648	GM 3.5L V6 2006-11 Vin K, N; 3.9L 06-09 Vin 1, 3, M, W
HS54385A	GM 4.2L L6 DOHC 24-V 2006-09 Vin S
HS5746C	GM 5.7L V8 Vortec 1996-02 Vin R
HS54580A	GM 6.6L Duramax TD 2004-07 Vin 1, 2, D (less head gskts)
HS4933VM	GM BBC 454 Marine Mark V

CONVERSION SETS

CS54556	Dodge/Cummins 5.9L TD 2003-09 Vin C, 6, 7
CS54450	Ford 6.0L TD 2003-11
CS54657	Ford 6.4L TD 2008-10 Vin R
CS5975	GM 4.8-6.0L V8 Gen III 1997-07

REBUILDER SETS

95-3568VR	AMC/Jeep 4.2L L6 1999-03
95-3549VR	Ford 5.4L Triton 1997-99 Vin L, M
95-3629VR	Ford 6.0L TD 2003-06 18mm Vin P
95-3641VR	Ford 6.4L TD 2003-06 Vin R
95-3584VR	Ford 7.3L TD Power-Stroke 1994-03
95-3033VR	GM SBC 283-350 1958-80
95-3639VR	GM 8.1L V8 2001-07 Vin E, G



GM LS GEN III & IV

Victor Reinz is an O.E.M. supplier to GM on the 4.8-6.2L Gen 3 and Gen 4 LS-motors.

Part# Description

54441	96mm bore 5.3L
54442	99mm bore 5.7L
54660	103.2mm bore 6.0 & 6.2L
VS50250A	Valve cover-all, except 1997-98 LS-1
MS19598	Rectangular Intake 2007-09 6.0-6.2L L92
MS16350	Square individual intake 1998-05 5.7L
MS16340	Cathe. intake 2002-07 5.3-5.7-6.0L
MIS16340	Cathe. intake 2002-07 5.3-5.7-6.0L-Improved Design
MS19328	Lifter valley 1997-05 5.3-5.7-6.0L
MS19305	Lifter valley 2006-12 5.3-6.0-6.2L
MS19501	Lifter valley 2005-on with DOD
MS16124	MLS exhaust-all
JV1657	Rear main seal-all
JV5022	Timing cover set-all
OS32241	Oil pan-all



...the turbocharger segment represents one of the largest growth markets in the automotive industry worldwide.



REBUILDER GASKET SET



Catalog: On-Line Link to Fel-Pro Catalog from: www.fme-cat.com

Part # Application

Chevy

260-1884	2.2L 4 cyl VIN 4, 98-02 Cavalier, Sunfire, S10
260-1482	2.5L 4 cyl VIN E 88-91, S10, S15, Astro, Blazer
260-1569	2.35 6 cyl 1953-62
260-1738	4.3L V6 262 VIN W 96-05 Truck, Van, SUV
260-1738T	same as above w/Perma Dry Plus
260-1000	283-307-327-350, 1957-80
260-1024	305 4BBL, 1982-85
260-1045	350 LH DIP, 1980-85
260-1269	350 VIN K, 1987-95
260-1735T	350 VIN K, 1987-95 with PermaDryPlus intake gskt
260-1973	5.3L VIN T 2002-03 Truck, SUV
260-1735	350 VIN R 1996-2000 Truck
260-1735T	350 VIN R 1996-2000 w/Perma Dry Plus
260-1650	350 VIN P 1993-97 Z28 LT1 Camaro
260-1016	400 SBC
260-1956	6.0L VIN N 2004-07 Truck, Van
260-1772	6.5L VIN F 1992-02 Turbo Diesel
260-1009	BBC to '79
260-1046	BBC 1980-90, wo H5D emissions
260-1418	BBC 454 1985-90 w/H5D emissions
260-1635	BBC 1991-95
260-1932	BBC 454 1996-2000

Chrysler

260-1959	3.7L V6 VIN K 2002-05 Ram, Durango, Dakota
260-1153	318, 1968-78
260-1033	360 EXC. HP, 1971-78
260-1121	340, 1968-73
260-1001	^361-440, 1963-78

Ford

260-1125	*221-302, 1962-82
260-1902	5.4L VIN L 2000-04 Truck, SUV SOHC
260-1976	5.4L VIN 5 2004-06 Truck, SUV SOHC 24 valve
260-1169	302, 1982-85
260-1445	302, 1986-90
260-1014	^351C - 400M, 1970-82
260-1028	351W, 1969-74
260-1035	332-428 FE, 1958-76
260-1013	^429-460, 1969 to 3/11/85
260-1882	7.3L Turbo Diesel from 4-1-99 to 2003

Jeep

260-1712	4.0L L6 Cyl VIN S 1994-95
260-1959	3.7L V6 VIN K 2002-05 Liberty

Olds

260-1008	^330-455, 1964-76
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Pontiac

260-1884	2.2L 4 cyl VIN 4, 1998-02, Sunfire
260-1650	350 VIN P 1993-97 LT1 Firebird Trans AM
260-1025	350-455, 1968-79

^Valley pan/intake gasket not included.
* Except Hemi or Boss



PERFORMANCE FULL SETS



Sets Include: race head gaskets, extra thick valve cover gaskets, fiber core rubber coated performance oil pan gaskets, exhaust header gaskets, synthetic rear main seal, timing cover seal and some misc. gaskets. Just add the correct performance intake gasket set for the cylinder heads and manifold being used. Add intake manifold, see list on next page.



Part #	Description	Head Gasket #
31-1000	....Sm. Block Chevrolet 1957-85 283-302-327-350	1003
31-1002	....Sm. Block Ford 1962-82 221-260-289-302 except Boss.....	9333PT-1/1152
31-1003	Small Block Chevrolet 1986-up 350	1003
	1-piece rear seal except Vortec	
31-1004	....Small Block Chevrolet 400 1970-80	1004
31-1006	....Chevrolet LS; MLS head gasket 3.945" bore, .053" Thick.....	1160L/R
31-1007	....Chevrolet LS; MLS head gasket 4.100" bore, .053" Thick.....	1161L/R
31-1005	....Big Block Chevrolet 396-454 1965-90 to 4.370" bore	1037/17046
31-1009	....Big Block Chevrolet 502 based on Gen IV, Bowtie,	1047/17048
	Dart, Merlin to 4.540" bore	

BULK GASKETS

Bulk 10-packs. Small gaskets 25 or 50 packs.

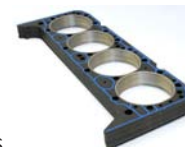


[Link to Fel-Pro Catalog www.fme-cat.com](http://www.fme-cat.com)

Part # Application Notes Bore Dia. Thickness Steam Holes

HEAD GASKETS

P1003	Iron Heads	4.166"	.041"	No
P1004	400 Chevy	4.190"	.041"	No
P1010	Aluminum Heads	4.166"	.039"	No
P1034	Iron or Aluminum Heads	4.200"	.039"	No
P1044	Iron or Aluminum Heads	4.200"	.051"	Yes



Part # Application Notes

MANIFOLD GASKETS

P9032211	.23" x 1.99" x 1/16"	Stock port, blocked crossover
P1205	1.28" x 2.09" x 1/16"	Stock or small race port
P1206	1.31" x 2.21" x 1/16"	Medium race port
P1207	1.38" x 2.28" x 1/16"	Large race port
P1256	1.23" x 1.99" x 1/16"	Stock port, open crossover
P1282	1.25" x 2.15" x 1/16"	18 degree high port



HEADER GASKETS

P1404	1.50" x 1.50" Square, stock or small race port
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VALVE COVER GASKETS

P1604	Extra thick with steel core 0.313"
P1628	Silicon Molded with steel core



Part # Application

OIL PAN

P34510	Molded rubber 1-piece, thick front, L.H. dip
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MISC.

P2900	Silicon 2-piece rear main seal
P2200	Thermostat housing gasket
PT5124	Timing cover gasket
P14842	Timing cover seal
P70576	Fuel pump plate gasket
P1900	4 BBL carb gasket-open
P1901	4 BBL carb gasket-4 hole
P1904	2 BBL carb gasket
P70194	Distributor gasket

PERFORMANCE SEALS



Part # Stem Diameter Guide Diameter Unloaded Seal Diameter Type

Positive

35-306V-16	5/16"	0.485	0.625	Fluoroviton
35-104V-16	11/32"	0.500	0.625	Fluoroviton
35-104P-16	11/32"	0.500	0.625	Polyacrylic
35-408AP-16	11/32"	0.531	0.680	Polyacrylic
35-305V-16	11/32"	0.562	0.700	Fluoroviton
35-304P-16	11/32"	0.562	0.700	Polyacrylic



Positive Metal Clad

35-8476V-16	5/16"	0.476	0.575	Fluoroviton
35-804V-16	5/16"	0.502	0.625	Fluoroviton
35-802V-16	5/16"	0.531	0.680	Fluoroviton
35-125V-16	11/32"	0.485	0.630	Fluoroviton
35-529V-16	11/32"	0.531	0.675	Fluoroviton
35-375V-16	3/8"	0.531	0.665	Fluoroviton
35-377V-16	3/8"	0.562	0.675	Fluoroviton



Teflon

35-1611-16	11/32"	0.500	0.610	Teflon
35-1711-16	11/32"	0.531	0.630	Teflon
35-1612-16	3/8"	0.500	0.600	Teflon
35-1712-16	3/8"	0.531	0.630	Teflon



Umbrella

35-133P-16	11/32"	O-Ring		Polyacrylic
35-233V-16	11/32"		0.750	Fluoroviton
35-232P-16	11/32"		0.750	Polyacrylic



PERFORMANCE FULL SETS

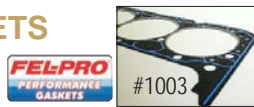


Complete engine sets include Fel Pro Performance head, intake and header gasket

Part#	Application	Head	Intake	Header
260-3013	SB Chev 1959-79, except 400	1003	1206, 1256	1404
260-3020	SB Chev 400, steam holes	1014/17031	1205	1404
260-3015	BB Chev 1965-84 396-454	1017-1	1211, 1212	1410
260-3004	Chrysler 383-440	1009	not included	1414
260-3005	SB Ford 1962-82 289-302	1011-1	1250, 1262	1415
260-3009	SB Ford 1969-82 351W	1011-1	1262	1415
260-3025	BB Ford 429-460	1018	1230, 1231	1419, 1420
260-3027	Pontiac 389-400-455	1016	1233	1424, 1436

PERFORMANCE GASKET SETS

HEAD GASKETS



Part #	Application	Bore Dia.	Thick
1003	Iron Heads	4.166"	.041"
1004	400 Chevy	4.190"	.041"
1010	Aluminum Heads	4.166"	.039"
1014	No Stream Holes	4.190"	.041"
1034	No Stream Holes	4.200"	.039"
1094	Embossed Steel Shim	4.100"	.019"

BB Chevy 1965-76

1017-1	Iron Heads	4.540"	.041"
1027	Aluminum Heads	4.370"	.039"
1057	Iron or Aluminum Heads	4.540"	.039"
1047	Iron or Aluminum Heads	4.630"	.041"

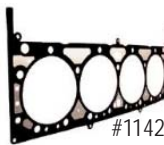
Ford 1962-93 260-302 & 351W

1011-2	1983-93	4.100"	.039"
1011-1	Steel Wire Ring	4.100"	.039"

Ford 1968-78 429-460

1018	Steel Wire Ring	4.500"	.041"
------	-----------------	--------	-------

PERMA TORQUE MULTI-LAYER STEEL HEAD GASKETS



Part #	Application
--------	-------------

Small Block Chevrolet V8 Iron & Aluminum Heads

1142	4.100" bore, .041" thick, 9.0cc volume
1143	4.165" bore, .041" thick, 9.2cc volume
1144	4.200" bore, .041" thick, 9.3cc volume
1144-053	4.200" bore, .053" thick, 12.0cc volume
1144-061	4.200" bore, .061" thick, 13.9cc volume
1144-071	4.200" bore, .071" thick, 16.1cc volume

Big Block Chevrolet V8 Gen IV, V and VI

1071	4.380" bore, .041" thick, 10.6cc volume
1071-1	4.380" bore, .053" thick, 13.7cc volume
1077	4.580" bore, .041" thick, 11.2cc volume
1077-1	4.580" bore, .053" thick, 14.5cc volume

Small Block Ford V8 289-351W Windsor & Yates Heads

1133	4.100" bore, .041" thick, 9.0cc volume
1134	4.180" bore, .041" thick, 9.3cc volume
1137	4.210" bore, .053" thick, 12.3cc volume

Modular Ford V8 4.6 and 5.4 liter

1141R	R hand, 3.630" bore, .036" thick, 6.1cc vol
1141L	L hand, 3.630" bore, .036" thick, 6.1cc vol

INTAKE MANIFOLD



Part #	Port Size	Description
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SB Chevy

1204	1.23" x 1.99" x 1/16"	Stock port, blocked crossover
1256	1.23" x 1.99" x 1/16"	Stock port, open crossover
1205	1.28" x 2.09" x 1/16"	Stock or small race port
1206	1.31" x 2.21" x 1/16"	Medium race port
1207	1.38" x 2.28" x 1/16"	Large race port

BB Chevy

1210	1.82" X 2.05" X 1/16"	Stock oval, blocked crossover
1212	1.82" X 2.05" X 1/16"	Stock oval, open crossover
1211	1.82" X 2.54" X 1/16"	Rectangular, most manifolds

SB Chrysler

1213	1.16" x 2.27" x 1/16"	'68-80 340-360, '67-89 318 4 bbl
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SB Ford

1250	1.20" x 2.00" x 1/16"	Stock and small race port
1262	1.28" x 2.10" x 1/16"	Lrg race; incl. TFS, GT-40, "N"

429-460 Ford

1230	1.98" x 2.26" x 1/16"	68-87 exc 429CJ, SCJ and C460
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INTAKE MANIFOLD with SOLID STEEL CORE



1211S3 Steel Core

Part #	Port Size	Description
--------	-----------	-------------

SB Chevy

1205S-3	1.28" x 2.09" x .065"	Stock or small race port
1206S-3	1.31" x 2.21" x .065"	Medium race port
1237S-3	1.40" x 1.90" x .065"	Medium race port

BB Chevy

1212S-3	1.82" X 2.05" X .065"	Stock oval, open crossover
1211S-3	1.82" X 2.54" X .065"	Rectangular, most manifolds
1275S-3	1.82" X 2.54" X .065"	Rect, without upper bolts

PERMA-DRY INTAKE MANIFOLD



MS9800T Upper/Lower

MS98000T	SB Chevy 305-350 Vortec 1996-02
MS98002T	GM V6 4.3L 1996-05
MS98003T	GM V6 3.1L (vin J) 99-05; 3.4L 96-05
MS98004T	GM V6 3.1L (vin M) 1993-99
MS98005T	Ford V6 4.0L 1990-97
MS98006T	Ford V6 4.0L 1998-01

REAR MAIN SEALS



Part #	Application
2900	Chevy 283-400, 2-piece seal
2909	Chevy 400 w/ oversize O.D. from align boring
2904	Chevy 396-454, 2-piece seal
2918	Chevy 396-454, 2-piece seal, HI VAC
2922RS	Ford 260-302, w/ 1-piece seal

OIL PAN



Part #	Application
--------	-------------

SB Chevy

1802	1957-74 with left-hand dipstick
1803	1975-79 with left-hand dipstick
1818	1980-85 with right-hand dipstick

BB Chevy

1804	1965-90 396-402-427-454
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SB Chrysler

1806	1970-87 except 360
------	--------------------

BB Chrysler

1808	Requires 2 sets when using wind age tray
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SB Ford

1809	1962-92 221-302
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Ford 351W

1810	1969-93 all
------	-------------

Ford 429-460

1812	1968-3/30/89
------	--------------

PERMA-DRY OIL PAN



- Grommetted bolt holes
- Reusable Design !!

Part #	Application
--------	-------------

OS30061T	Big Block Chevy 1965-90
OS34509T	Small Block Chevy 1957-74
OS34510T	Small Block Chevy 1975-85
OS13260T	Small Block Ford 221-302 1962-87
OS30214T	Ford 351W 1969-6/29/87

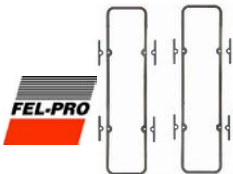
VALVE COVER



Part #	Application
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1603	SB Chevy 1955-85
1604	SBC w/ steel core
1606	Big Block Chevy
1630	BBC w/ steel core
1605	BBC Fel-CoPrene rubber
1609	SB Chrysler
1610	BB Chrysler 6-Bolt
1613	SB Ford except Boss

PERMA-DRY VALVE COVER



- Grommetted bolt holes
- Reusable Design !!

Part #	Application
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VS12869T	Small Block Chevy 1959-86
VS13264T	Small Block Ford 221-351W, '62-01

HEADER



Part #...	Application	Description
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Chevy

1404	1.50" x 1.50" square	SBC stock or small race port
1406	1.55" x 1.63" D shape	SBC special race port
1410	1.88" x 1.88" square	BBC stock CI or early alum.
1412	2.13" diameter round	BBC large race port

Chrysler

1413	1.25" x 1.75"	68-80 340-360, '67-89 318 4V
1414	1.76" x 1.45"	BB Chrysler 1959-78

Ford

1415	1.25" x 1.48" square	Small Block 1962-93
1416	1.89" x 2.19"	351C 4-bbl 1970-74
1419	1.50" x 2.10"	429-460 except 429CJ & 429SCJ

FORGED PISTONS & RACE RINGS

- 4032 low expansion high silicon aluminum alloy
- Pin fitting, and double spiro locks included
- 927-2750-150 wall wrist pin (130 grams) included
- CNC Machined ring grooves accept 1/16, 1/16, 3/16 rings



Application / Piston	Bore	Stroke / Rod	Comp. Hgt.	SRP PN	Ring Set #
350 CHEV FLAT TOP	4.030"	3.480 / 6.000	1.260"	138085.....	43M5523-30
350 CHEV FLAT TOP	4.030"	3.500 / 6.125	1.125"	138093.....	43M5523-30
350 CHEV FLAT TOP	4.030"	3.750 / 5.700	1.425"	138089.....	43M5523-30
357 CHEV Flyweight	4.040"	3.500 / 3.750	1.550"	157077.....	43M5523-30
350 CHEV DISH	4.030"	3.750 / 5.700	1.425"	139628.....	43M5523-30
350 CHEV DISH	4.030"	3.750 / 6.000	1.125"	138103.....	43M5523-30
350 CHEV DOME	4.030"	3.480 / 5.700	1.560"	140674.....	43M5523-30
350 CHEV DOME	4.030"	3.480 / 6.000	1.260"	140678.....	43M5523-30
350 CHEV DOME	4.030"	3.750 / 6.000	1.125"	140348.....	43M5523-30
400 CHEV FLAT TOP	4.155"	3.750 / 6.000	1.125"	138100.....	43M5529-30
400 CHEV DOME	4.155"	3.750 / 6.000	1.125"	142024.....	43M5529-30
454 CHEV SMALL DOME	4.280"	4.250 / 6.385	1.270"	212156.....	43M5519-30
540 CHEV SMALL DOME	4.500"	4.250 / 6.385	1.270"	212161.....	43M5589-05
489 CHEV DOME	4.280"	4.250 / 6.385	1.270"	139831.....	43M5519-30
2300 FORD FLAT	3.810"	3.126 / 5.205	1.590"	148221.....	43M5527-30
302 FLAT TOP	4.030"	3.850 / 5.956	1.600"	138734.....	43M5523-30
347 FORD FLAT TOP	4.030"	3.400 / 5.400	1.100"	140689.....	43M5523-30
351W FORD FLAT TOP	4.030"	3.500 / 5.956	1.774"	138730.....	43M5523-30
392W FORD FLAT TOP	4.030"	3.850 / 5.956	1.600"	138734.....	43M5523-30

PERFORMANCE PISTONS

KB PERFORMANCE

Part #	Application	Style	Ratio @ cc Head	Rod	Notes
Chevy					
KB156	327	Flat Top	9.1: 64cc	5.700	1.)
KB120	350	Flat Top	9.5:1; 64cc	5.700	1.)
KB118	350	Dish 11-12 cc	8.5:1; 64cc	5.700	1.)
KB112	350	Flat Top	9.5:1; 64cc	6.000	2.)
KB197	383	Dish 12cc	9.7:1; 64cc	5.700	1.)
KB134	383	Flat Top	9.7:1; 76cc	5.700	1.)
KB125	400	Flat Top	11:1; 64cc	5.700	1.)
KB147	400	Dish 16-18cc	10:1; 64cc	5.700	1.)
KB130	400	Dish 16-18cc	9.8:1; 64cc	6.000	2.)
KB202	454	Flat Top	8.4:1; 106.9cc	6.135	1.)
KB284	489	Flat Top	9.3:1; 108cc	6.385	2.)

Ford

KB217	2300	Flat Top	9.17:1; 62.5cc	5.205	2.)
KB115	302	Flat Top	9.1: 63cc	5.090	1.)
KB192	302	Dish .068"	8.6:1; 63cc	5.090	1.)
KB246	347	Flat Top	10:1; 64cc	5.400	2.)
KB366	347	Dish 16cc	9.1: 64cc	5.400	2.)
KB150	390	Dish 20cc	9.0:1; 73cc	6.490	4.)
KB137	460	Flat Top	10:1; 92cc	6.605	1.)

Chrysler

KB243	340	Flat Top	9.6:1; 68cc	6.123	1.)
KB107	360	Flat Top	10.2:1; 68cc	6.123	1.)
KB162	383	Flat Top	9.5:1; 80cc	6.358	1.)

Olds

KB132	455	Dish	9.3:1; 75cc	6.735	1.)
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Pontiac

KB133	400	Flat Top	9.2:1; 87cc	6.630	1.)
KB222	455	Flat Top	9.5:1; 96cc	6.630	3.)

1.) 5/64 X 5/64 X 3/16; 2.) 1/16 X 1/16 X 3/16; 3.) 5/64 X 1/16 X 3/16; 4.) 5/64 X 3/32 X 3/16

 Link to Piston Catalog www.KB-Silvolite.com

CLAIMER PISTONS



Part #	Application	Style	Ratio @ cc Head	Rod	Notes
Chevy					
9901HC	350	Flat Top 4-relief	10.2:1; 64cc	5.700	5/64 X 5/64 X 3/16
9902HC	350	Flat Top	10.4:1; 64cc	5.700	5/64 X 5/64 X 3/16
9904HC	350	Dome 4 cc	11.6:1; 64cc	5.700	5/64 X 5/64 X 3/16
9908HC	350	Flat Top	10.4:1; 64cc	6.000	5/64 X 5/64 X 3/16
9912HC	383	Dish 13cc	10.2:1; 64cc	5.700	5/64 X 5/64 X 3/16
9906HC	383	Flat Top	9.8:1; 76cc	5.700	5/64 X 5/64 X 3/16
9911HC	400	Flat Top	11:7; 64cc	5.700	5/64 X 5/64 X 3/16

ICON FHR FORGED PISTONS



Part #	Application	Style	Ratio @ cc Head	Rod	Notes
Chevy					
IC9913	350	Flat Top 4-relief	10.2:1; 64cc	5.700	1.)
IC9929	350	Flat Top	10.2:1; 64cc	5.700	1.)
IC9930	350	Flat Top	10.2:1; 64cc	6.000	1.)
IC9933	350	.123 Dome	12:1; 64cc	5.700	1.)
IC9931	383	Flat Top	11.3:1; 64cc	5.700	1.)
IC9941	400	Flat Top	11:9; 64cc	5.700	1.)
IC9942	400	Flat Top	11:9; 64cc	6.000	1.)
IC9949	402 OC	.580 Dome	10.6:1; 119cc	6.135	1.)
IC9919	454 OC	.200" Dome	9.6:1; 119cc	6.135	1.)
Ford					
IC9924	289-302	Flat Top	9:1; 58cc	5.155-5.090	1.)
IC9921	331	Flat Top .927 pin	9.8:1; 58cc	5.400	1.)
IC9922	347	Flat Top .927 pin	9.5:1; 64cc	5.400	1.)
IC9925	351W	Flat Top	9.8:1; 64cc	5.956	1.)
IC9923	408	Flat Top .927 pin	11:1; 64cc	6.200	1.)

Chrysler

IC9947	440	Flat Top 1.991 ch	8.8:1; 80cc	6.768	1.)
IC9953	440 '70-72	"Six-Pack" Flat Top 2.067 ch	10.6:1; 88cc	6.768	1.)

Pontiac

IC9946	400 '67on	Flat Top	10:1; 72cc	6.630	1.)
IC9960	455	Flat Top	9.9:1; 87cc	6.630	3.)

1.) 5/64 X 5/64 X 3/16; 3.) 5/64 X 1/16 X 3/16

PERFORMANCE PISTONS

HYPEREUTECTIC COATED



Part #	App	Style	Ratio @ cc Head	Rod	Notes
Chevy					
H660CP	327	Flat Top	9:1 @ 64cc	5.700	1.)
H345ACP	350	Flat Top	9.5:1 @ 64cc	5.700	1.)
H423ACP	350	Dished 11-12 cc	8.5:1 @ 64cc	5.700	1.)
H618CP	350	.100-.125 Dome	11:1 @ 64cc	5.700	1.)
H140CL#	350	Flat Top	9.5:1 @ 64cc	6.000	2.)
H141CL#	350	.125-.150 Dome	11:1 @ 64cc	6.000	2.)
H860CP	383 3.75st	Flat Top	10.75:1 @ 64cc	5.700	1.)
H859CP	383 3.75st	Dished 12cc	9.7:1 @ 64cc	5.700	1.)
H400CP	400	Flat Top	11:1 @ 64cc	5.565	1.)
H601P^	400	Dished 16-18cc	10.5:1 @ 64cc	5.565	1.)
H616CP	400	Flat Top	11:1 @ 64cc	5.700	1.)
H615CP^	400	Dished 16-18cc	10:1 @ 64cc	5.700	1.)
H625CP	454	Flat Top	8.4:1 @ 106.9cc	6.135	1.)
H426CP	454 OC	.100" Dome	9.37:1 @ 106.9cc	6.135	1.)
Ford					
H273CP	302	Flat Top	9:1 @ 63cc	5.090	1.)
H336CP	351W 73+	Flat Top	10.3:1 @ 64cc	5.956	1.)
H555CP^	351C	Flat Top	10:1 @ 63cc	5.778	1.)
H535CP^	460 72-90	Flat Top	9.2:1 @ 92cc	6.605	1.)
Chrysler					
H116CP	360	Flat Top	~10:1 @ 68cc	6.123	1.)
H143CP	440	Flat Top	9.5:1 @ 88cc	6.768	3.)
Pontiac					
411NP^^	400	Flat Top	10 to 10.7:1 @ 72cc	6.630	1.)
417NP^^+	455 67+	Flat Top	8.2:1 @	6.630	4.)

*Stock Cast ^Non-Coated #Lightweight + Sizes: .030", .040", .060"
 1.) 5/64 X 5/64 X 3/16 2.) 1/16 X 1/16 X 1/8 3.) 1/16 X 1/16 X 3/16 4.) 5/64 X 1/16 X 3/16

FORGED COATED



Part #	App	Style	Ratio @ cc Head	Rod	Notes
Chevy					
L2165F	327	Flat Top	9:1 @ 64cc	5.700	1.)
L2256F	350	Flat Top	9.5:1 @ 64cc	5.700	1.)
L2403NF	350	.068" Dish	8.5:1 @ 64cc	5.700	3.)
L2304F	350	.100-.125 Dome	10.63:1 @ 64cc	5.700	1.)
L2491NF	383	Flat Top	10.75:1 @ 64cc	5.700	3.)
L2467F	400	Flat Top	11:1 @ 64cc	5.565	1.)
L2352F	400	Dish 16-18cc	10.5:1 @ 64cc	5.565	1.), 4.)
L2377F	454	Flat Top	8.4:1 @ 106.9cc	6.135	1.)
L2399NF	454 OC	.095" Dome	9.71:1 @ 106.9cc	6.135	1.)
Ford					
L2482F	302	Flat Top	9:1 @ 63cc	5.090	1.)
L2446F	351W 77+	.110" Dish	9.06:1 @ 63cc	5.956	1.)
L2303NF	428	.085" Dish	10.35:1 @ 71cc	6.490	1.)
Chrysler					
L2315NF	383	Flat Top	9.5:1 @ 80cc	6.358	1.), 4.)
L2355F	440 '70-72 "Six-Pack",	Flat Top	9.5:1 @ 88cc	6.768	1.)
Olds					
L2323F	455	Dish	9.5:1 @ 75cc	6.735	1.)
Pontiac					
L2262F	400 67+	Flat Top	9.94:1 @ 72cc	6.630	1.)
L2359NF	455 67+	Flat Top	11.51:1 @ 72 cc	6.630	2.)

1.) 5/64 X 5/64 X 3/16 2.) 5/64 X 1/16 X 3/16 3.) 1/16 X 1/16 X 3/16 4.) Bore sizes: .030", .040", .060" only

COATED PISTONS W RINGS



CNC machined 4032 forgings with Grafal coating, skirts. Includes round wire locks and 1.5x1.5x3mm moly rings.



Part #	Application	Dome Volume	Rod Length	Ratio @ 64cc head
SB Chevy Flat Top				
SBC550030F05	.....355ci; 4.030" x 3.480/3.50"	-5cc	5.7"	10.6:1
SBC250030F05	.....355ci; 4.030" x 3.480/3.50"	-5cc	6.0"	10.6:1
SBC425030F05	.....383ci; 4.030" x 3.750"	-5cc	5.7"	11.3:1
SBC125030F05	.....383ci; 4.030" x 3.750"	-5cc	6.0"	11.3:1
SBC425155F05	.....406ci; 4.155" x 3.750"	-5cc	5.7"	11.8:1
SBC125155F05	.....406ci; 4.155" x 3.750"	-5cc	6.0"	11.8:1
SB Chevy Domed				
SBC550030D11	.....355ci; 4.030" x 3.480/3.50"	11cc	5.7"	13:1
SBC250030D11	.....355ci; 4.030" x 3.480/3.50"	11cc	6.0"	13:1
SBC125030D11	.....383ci; 4.030" x 3.750"	11cc	6.0"	13.8:1
SBC425155D04	.....406ci; 4.155" x 3.750"	4cc	5.7"	13:1
SB Ford				
SBF600030F06	.....306ci; 4.030" x 3.0"	-6.6cc	5.09"	9:1
SBF090030F06	.....347ci; 4.030" x 3.40"	-6.6cc	5.40"	10:1

CLASSICS & ANTIQUES



Custom pistons available from 2.283" to 5.250" bores. *Includes rings.

Part #	Application	Description	Ring Pack
83561	.....Chevrolet 409	10.5:1 C.R.; + .030"	5/64" x 5/64" x 3/16"
99462	.....Chrysler 392 Hemi	10.5:1 C.R.; + .030"	1/16" x 1/16" x 3/16"
80563*	.....Ford 239 Flat Head V8	.187" Dome; + .125"	3/32" x 3/32" x 5/32"
80564*	.....Merc 255.4 Flat Head V8	.187" Dome; + .125"	3/32" x 3/32" x 5/32"
99605	.....Ford 427 FE	Flat Top; + .025"	1/16" x 1/16" x 3/16"
99603	.....Ford 428 FE	Flat Top; + .030"	1/16" x 1/16" x 3/16"

O.E. HYPEREUTECTIC PISTONS



Part #	Applications	Pistons Type	Ring Part #
Chevy			
H640ACP	4.3L V6 85-96	.067 X 3.160 recess/ 4 reliefs	2M5712
H856CP	5.3L V8 2002-04	.068 X 3.050 recess, press pin	2M4978
H1127CT	5.3L V8 2004-07	.068 X 3.050 recess, float pin	2M4978
H423ACP	350 71-up	Dish Top/ 4 reliefs	2M139
H345ACP	350 67-70	Flat Top/ 4 reliefs	2M139
H815ACP	350 96-up	.080 X 3.020 recess/ 4 reliefs	2M4860
H989CP	427 68-85 truck	Flat Top/ 1 relief	2M6606
H661CP	454 70-76 car, 73-83 truck	Flat Top/ 2 reliefs	2M683
H693CP	454 70-76 car, 70-90 truck	.230 Dome/2 reliefs	2M683
H749CP	454 96-2000 truck VIN J & N	Flat Top/ 2 reliefs	2M4718
Ford			
H848CP	2.0L SOHC VIN P 97-03 Escort, 00-04 Focus	Contoured/ 2 valve reliefs	2M4889
H591CP	4.6L 94-02 VIN W	.152 X 2.700 recess, press pin	2M4628
H858CP	4.6L 96-98 VIN X, 6 cars only	.170 X 2.755 recess, press pin	2M4628
H831CP	4.6L 97-01 VIN 6 truck	.140 X 2.700 recess, float pin	2M4628
H864CP	4.6L 01-06 VIN W truck, van, SUV	.150X 3.050 recess, press pin	2M4628
H829CP	5.4L 97-05 VIN L,M SOHC 16	.068 X 2.700 recess, float pin	2M4628
Jeep			
H884CP	3.7L V6 2002-07 non H.O.	Flat Top, float pin	2M4636
H802CP	4.0L 96-02	D shape .116 recess	2M4815
H825CP	4.0L 96-02	D shape .116 recess	2M667
H883CP	4.7L V6 2000-07 non H.O.	Flat Top, press pin	2M4790

RACE RINGS

NITRO-BLACK



• All rings are made of gas nitride hardened stainless steel.

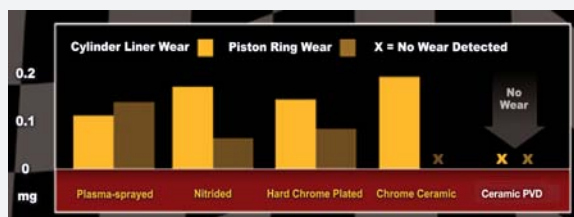
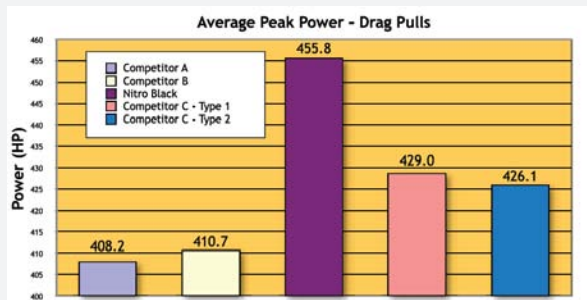
• Faces of top ring and oil rails are ceramic PVD coated. This coating has a very low coefficient of friction, in addition providing high scuff and heat resistance and excellent seating.

• Second ring is Napier profile design for optimum durability and oil scraping ability under the most severe performance conditions.

• Above features resulting in measurably improved horsepower.

• Gas Nitriding and Ceramic PVD coatings are compatible with Nikasil coated cylinder bores.

• For use with all types of fuel and injections including nitrous oxide.



NITRO-BLACK

Part #	Bore "	Ring Sizes	Tension	Gap
43SN8575	4.000	1/16 X 1/16 X 3/16	Reduced	File Fit
43SN8580	4.125	1/16 X 1/16 X 3/16	Reduced	File Fit
43SN8585	4.255	1/16 X 1/16 X 3/16	Reduced	File Fit
43SN8590	4.500	1/16 X 1/16 X 3/16	Reduced	File Fit
43SN8595	4.625	1/16 X 1/16 X 3/16	Reduced	File Fit

STEEL MOLY RACE RINGS

Top: steel plasma moly; 2nd: cast iron reverse twist torsional Oil: Flex-Vent

Part #	Bore "	Ring Sizes	Tension	Gap
43SM5587	4.000	.043" X .0473" X 3.0mm	Low	File Fit
43SM8527	4.000	.043" x 1/16 x 3/16	Std	File Fit
43SM8537	4.000	.043" x 1/16 x 3/16	Low	File Fit
43SM5593	4.125	.043" X .0473" X 3.0mm	Low	File Fit
43SM8547	4.125	.043" x 1/16 x 3/16	Std	File Fit
43SM8557	4.125	.043" x 1/16 x 3/16	Low	File Fit
43SM5597*	4.250	.043" X .0473" X 3.0mm	Low	File Fit
43SM8567	4.250	.043" x 1/16 x 3/16	Std	File Fit
43SM8577	4.250	.043" x 1/16 x 3/16	Low	File Fit
43SM8582*	4.500	.043" X .0473" X 3.0mm	Low	File Fit

* 2nd ring Ductile Iron Napier

STEEL CHROME RACE RINGS

Top: Chrome barrel faced steel; 2nd: iron reverse torsional twist Oil: Flex-Vent

Part #	Bore "	Ring Sizes	Tension	Gap
43SC5558	2.9530 (75mm)	1.2 X 1.5 X 2.8	Std	Std
43SC5572	3.1890 (81mm)	1.0 X 1.2 X 2.8	Std	Std
43C5573*	3.2680 (83mm)	1.5 X 1.5 X 3.0	Low	Std
43SC8513	3.307 (84mm)	1.0 X 1.2 X 2.8	Std	Std
43SC5556	3.445	1.2 X 1.2 X 3.0	Low	Std

* Top: ductile chrome barrel faced

DUCTILE PLASMA-MOLY NAPIER MIDDLE RACE RINGS

Top: steel plasma moly; 2nd: cast iron napier Oil: Flex-Vent

Part #	Bore "	Ring Sizes	Tension	Gap
43M8542	4.000	1/16 X 1/16 X 3/16	Standard	File Fit
43M8543	4.000	1/16 X 1/16 X 3/16	Low	File Fit
43M8571	4.000	1/16 X 1/16 X 1/8	Standard	File Fit
43M8552	4.125	1/16 X 1/16 X 3/16	Standard	File Fit
43M8559	4.125	1/16 X 1/16 X 3/16	Low	File Fit
43M8562	4.250	1/16 X 1/16 X 3/16	Standard	File Fit
43M8588	4.500	1/16 X 1/16 X 3/16	Std	File Fit
43M8594	4.505	1/16 X 1/16 X 3/16	Low	File Fit

CLAIMER MOLY PERFORMANCE RING SETS

Standard tension. Standard and file-fit gaps available.

Top: cast iron plasma moly; 2nd: cast iron reverse twist torsional; Oil: Flex-Vent

Part #	Bore "	Ring Sizes	Tension	Material
43CM5521	4.000	1/16 X 1/16 X 1/8	Std	Moly
43CM5531	4.000	5/64 X 5/64 X 3/16	Std	Moly
43CM5532	4.000	1/16 X 1/16 X 3/16	Std	Moly
43CM5530	4.000	1.5 X 1.5 X 4.0	Std	Moly
43CM5540	4.000	1.5 X 1.5 X 4.0	Low	Moly
43CM5533	4.125	5/64 X 5/64 X 3/16	Std	Moly
43CM5534	4.125	1/16 X 1/16 X 3/16	Std	Moly
43CM5501	4.125	1/16 X 1/16 X 1/8	Std	Moly
43CM5541	4.250	1/16 X 1/16 X 3/16	Std	Moly
43CM5574	4.320	1/16 X 1/16 X 3/16	Std	Moly
43CM5576	4.360	1/16 X 1/16 X 3/16	Std	Moly
43CM5580	4.500	1/16 X 1/16 X 3/16	Std	Moly

CLAIMER CAST PERFORMANCE RING SETS

Top: cast iron phosphate coated; 2nd: cast iron reverse twist torsional; Oil: Flex-Vent

Part #	Bore	Ring Sizes	Tension	Material
43C5532	4.000	1/16 X 1/16 X 3/16	Std	Cast
43C5530	4.000	1.5 X 1.5 X 4.0	Std	Cast
43C5540	4.000	1.5 X 1.5 X 3.0	Low	Cast
43C5534	4.125	1/16 X 1/16 X 3/16	Std	Cast
43C5541	4.250	1/16 X 1/16 X 3/16	Std	Cast
43C5531	4.000	1/16 X 1/16 X 3/16	Std	Cast
43C5533	4.125	1/16 X 1/16 X 3/16	Std	Cast

RACE RINGS (cont)



PREMIUM DUCTILE PLASMA MOLY

Top: steel chrome barrel face; 2nd: cast iron reverse twist torsional; Oil: Flex-Vent

Part #	Bore "	Ring Sizes	Tension	Gap
43M5545 (4cyl)	3.1875	1/16 X 5/64 X 5/32	Std	Std
43M5546 (4cyl)	3.1875	5/64 X 5/64 X 5/32	Std	Std
43M5544 (4cyl)	3.575	1/16 X 1/16 X 1/8	Std	Std
43M5527 (4cyl)	3.780	1/16 X 1/16 X 3/16	Std	Std
43M5567	3.736	1/16 X 1/16 X 3/16	Std	Std
43M5547	3.736	5/64 X 5/64 X 3/16	Std	Std & File Fit
43M5548	3.7636	5/64 X 5/64 X 3/16	Low	Std & File Fit
43M5522	3.875	1/16 X 1/16 X 1/8	Std	Std & File Fit
43M5506	3.875	5/64 X 5/64 X 3/16	Std	Std & File Fit
43M5503	3.875	5/64 X 5/64 X 3/16	Low	Std & File Fit
43M5575	3.910	1/16 X 1/16 X 1/8	Std	Std & File Fit
43M5507	3.9375	5/64 X 5/64 X 3/16	Std	Std & File Fit
43M5502 (4cyl)	4.000	5/64 X 5/64 X 3/16	Std	Std & File Fit
43M5508	4.000	5/64 X 5/64 X 3/16	Std	Std & File Fit
43M5504	4.000	5/64 X 5/64 X 3/16	Low	Std & File Fit
43M5521	4.000	1/16 X 1/16 X 1/8	Std	Std & File Fit
43M5523	4.000	1/16 X 1/16 X 3/16	Std	Std & File Fit
43M5505	4.000	1/16 X 1/16 X 3/16	Low	Std & File Fit
43M5538	4.000	1/16 X 1/16 X 3.0	Low	Std & File Fit
43M5540	4.000	1.5 X 1.5 X 3.0	Low	Std & File Fit
43M5535	4.000	1.5 X 1.5 X 4.0	Std	Std & File Fit
43M5561	4.040	5/64 X 5/64 X 3/16	Std	Std & File Fit
43M5511	4.0625	5/64 X 5/64 X 3/16	Std	Std & File Fit
43M5512	4.0925	5/64 X 5/64 X 3/16	Std	Std & File Fit
43M5590	4.120	1/16 X 1/16 X 3/16	Std	Std & File Fit
43M5524+	4.120	1/16 X 1/16 X 1/8	Std	Std & File Fit
43M5513	4.125	5/64 X 5/64 X 3/16	Std	Std & File Fit
43M5529	4.125	1/16 X 1/16 X 3/16	Std	Std & File Fit
43M5510	4.125	1/16 X 1/16 X 3/16	Low	Std & File Fit
43M5501*	4.125	1/16 X 1/16 X 1/8	Std	Std & File Fit
43M5539	4.125	1/16 X 1/16 X 3.0	Low	Std & File Fit
43M5581	4.125	1.5 X 1.5 X 3.0	Low	Std & File Fit
43M5543	4.151	1/16 X 1/16 X 3/16	Std	Std & File Fit
43M5542	4.165	1/16 X 1/16 X 3/16	Std	Std & File Fit
43M5526	4.2325	1/16 X 1/16 X 1/8	Std	Std & File Fit
43M5516	4.2325	5/64 X 5/64 X 3/16	Std	Std & File Fit
43M5517	4.233	1/16 X 1/16 X 1/8	Std	Std & File Fit
43M5518	4.250	5/64 X 5/64 X 3/16	Std	Std & File Fit
43M5514	4.250	5/64 X 5/64 X 3/16	Low	Std & File Fit
43M5519	4.250	1/16 X 1/16 X 3/16	Std	Std & File Fit
43M5515	4.250	1/16 X 1/16 X 3/16	Low	Std & File Fit
43M8569	4.250	1.5 X 1.5 X 3.0	Low	Std & File Fit
43M5528	4.320	1/16 X 1/16 X 3/16	Std	Std & File Fit
43M5520	4.320	1/16 X 1/16 X 3/16	Low	Std & File Fit
43M5577	4.3425	1/16 X 1/16 X 3/16	Std	Std & File Fit
43M5536	4.360	1/16 X 1/16 X 3/16	Std	Std & File Fit
43M5537	4.4675	1/16 X 1/16 X 3/16	Std	Std & File Fit
43M5589	4.500	1/16 X 1/16 X 3/16	Std	Std & File Fit
43M5596	4.500	1/16 X 1/16 X 3/16	Low	Std & File Fit
43M8525	4.500	1.5 X 1.5 X 3.0	Low	Std & File Fit

* Ring depth = .175"; + Ring depth = .200"

File Fit Requires Special Tooling.

PLASMA MOLY RACE RINGS



Part #	Ring Sizes	Tension	Gap
4" Bore V8			
R9342-35	1/16 X 1/16 X 1/8	Std	File Fit
R9401-35	1/16 X 1/16 X 3/16	Low	File Fit
R9771-35	1/16 X 1/16 X 3/16	Std	File Fit
R9343-35	5/64 X 5/64 X 3/16	Std	File Fit
R9902-30	1/16 X 1/16 X 3/16	Std	Std
R9903-30	5/64 X 5/64 X 3/16	Std	Std
R9968-30	1/16 X 1/16 X 3/16	Std	Std

4.125" Bore V8			
R10248-35	1/16 X 1/16 X 3/16	Std	File Fit
R5879-35	5/64 X 5/64 X 3/16	Std	File Fit

4.250" Bore V8			
R9344-35	1/16 X 1/16 X 3/16	Low	File Fit
R9745-35	1/16 X 1/16 X 3/16	Std	File Fit
R9590-35	5/64 X 5/64 X 3/16	Std	File Fit

4.320" Bore V8			
R9278-35	1/16 X 1/16 X 3/16	Low	File Fit

File Fit Requires Special Tooling.

GAPLESS RACE RINGS

TSS STREET GAPLESS



Part #	Bore "	Ring Sizes
S3690	4.000	1/16 X 1/16 X 3/16
S9090	4.000	5/64 X 5/64 X 3/16
S0690-30	4.125	1/16 X 1/16 X 3/16
S0190	4.125	5/64 X 5/64 X 3/16

Maxseal GAPLESS TOP RING

Gapless ductile top ring, reverse twist face second rings.

Part #	Bore "	Ring Sizes
M3690	4.000	1/16 X 1/16 X 3/16
M0690	4.125	1/16 X 1/16 X 3/16
M9190-5	4.250	1/16 X 1/16 X 3/16
M9190-255	4.505	1/16 X 1/16 X 3/16



CLAIMER GAPLESS

Part #	Bore "	Ring Sizes
CL3690	4.000	1/16 X 1/16 X 3/16
CL9090	4.000	5/64 X 5/64 X 3/16
CL0690	4.125	1/16 X 1/16 X 3/16
CL0190	4.125	5/64 X 5/64 X 3/16



TS-1 GAPLESS

Cast iron moly faced top ring and a gapless second ring.

Part #	Bore "	Ring Sizes
T3690	4.000	1/16 X 1/16 X 3/16
T9090	4.000	5/64 X 5/64 X 3/16
T9090	4.000	5/64 X 5/64 X 3/16
T0690	4.125	1/16 X 1/16 X 3/16
T0190-5	4.125	5/64 X 5/64 X 3/16
T6490	4.320	5/64 X 5/64 X 3/16



STOCK & CLAIMER RINGS



PERFORMANCE ENGINE BEARINGS



- 15,000 psi load carrying capacity
- Hardened 1020 backing for higher thrust loads
- High crush height for max fit
- Oversized chamfers for large radius fillets
- Patented profile on thrust face double load capacity
- 3/4 grooved for optimum oil supply.

Application	Oil Clearance	Rod Bearing Part #	Main Bearing Part #
CHEVY			
SB Chevy Large Journal	STD	11E-663H8 ¹	12E-909H*
SB Chevy Large Journal	STD	11E-663HD8 ²	12E-909H*
SB Chevy Large Journal	+0.01	11E-663HX8	12E-909HX
SB Chevy Large Journal	+0.01	11E-663HXD8 ²	12E-909HX
SB Chevy Small Journal	STD	11E-745H8	12E-429H
SB Chevy Small Journal	STD	11E-745HD8 ²	12E-429H
SB Chevy Small Journal	+0.01	11E-745HX8	12E-429HX
SB Chevy Small Journal	+0.01	11E-745HXD8 ²	12E-429HX
SB Chevy 400 C.I.D.	STD	11E-663H8 ¹	12E-1038H
SB Chevy 400 C.I.D.	STD	11E-663HD8 ²	12E-1038H
SB Chevy 400 C.I.D.	+0.01	11E-663HX8	12E-1038HX
SB Chevy 400 C.I.D.	+0.01	11E-663HXD ²	12E-1038HX
SB Chevy GEN III LS1	STD	11E-663H8 ¹	12E-2199H
SB Chevy GEN III LS1	STD	11E-663HD8 ²	12E-2199H
SB Chevy GEN III LS1	+0.01	11E-663HX8	12E-2199HX
SB Chevy GEN III LS1	+0.01	11E-663HXD8 ²	12E-2199HX
BB Chevy	STD	11E-743H8 ¹	12E-829H*
BB Chevy	STD	11E-743HD8 ²	12E-829H*
BB Chevy	+0.01	11E-743HX8 ¹	12E-829HX
BB Chevy	+0.01	11E-743HXD8 ²	12E-829HX

Application	Oil Clearance	Rod Bearing Part #	Main Bearing Part #
CHRYSLER			
273, 318, 340, 360 C.I.D.	STD	11E-481H8	
273, 318, 340, 360 C.I.D.	+0.01	11E-481HX8	
350, 361, 383, 400, 440 C.I.D.	STD	11E-527HD8 ²	
350, 361, 383, 400, 440 C.I.D.	+0.01	11E-527HXD8 ²	
FORD			
221, 255, 260, 289, 302 C.I.D.	STD	11E-634H8 ¹	12E-590H*
221, 255, 260, 289, 302 C.I.D.	STD	11E-634HD8 ²	12E-590H*
221, 255, 260, 289, 302 C.I.D.	+0.01	11E-634HX8	12E-590HX
221, 255, 260, 289, 302 C.I.D.	+0.01	11E-634HXD8 ²	12E-590HX
281 C.I.D. (4.6L), 330 C.I.D. (5.4L)	STD	11E-1442H8 ²	12E-2202H
281 C.I.D. (4.6L), 330 C.I.D. (5.4L)	+0.01	11E-1442HX8 ²	12E-2202HX#
351C C.I.D.	STD	11E-927H8	12E-1010H
351C C.I.D.	+0.01		12E-1010HX
351M, 400 C.I.D.	STD	11E-927H8	12E-1432H
351M, 400 C.I.D.	+0.01		12E-1432HX
429, 460 C.I.D.	STD	11E-818H8	12E-1039H
429, 460 C.I.D.	+0.01		12E-1039HX
CUSTOM PERFORMANCE			
2.015" Housing Bore/1.8885"-1.8890"		STD	11E-1663H
Shaft Dia. / .792" Long		+0.01	11E-1663HX

¹ Exclusive crank saver sizes (.009" and .011")

² HD and HXD bearings have dowel hole

IMPORTANT NOTE: Bearings are available in standard size and various undersizes. Please refer to price list for specific undersizes by part number. Rod bearings priced and sold in individual pairs except for Mitsubishi, sold in "-4" packs. Main bearings priced and sold in sets.

BOLT BOOTS

BB1-50... bag of 50



O.E. BEARINGS

Tri-metal with steel back.



Application	Rod Bearing Set	Main Main Set
Chevy 4.3L VIN Z,W,X	11-1358P-6	12-1454P
Chevy Small Block	11-663P-8	12-909P
Chevy Small Block, small journal	11-745P-4*	12-429P
Chevy LS Gen III	11-663P-8	12-2199P
Chevy Small Block 400	11-663P-8	12-1038P
Chevy Big Block	11-743P-8	12-829P
Chrysler 273,318 (57-73)	11-481P-8	12-540P
Chrysler 360 74-80	11-481P-8	12-1266P
Chrysler 360 71-73	11-481P-8	12-1051P
Chrysler 383-400 thru '73	11-527P-8	12-876P
Chrysler 440 thru '73	11-527P-8	12-877P
Ford 260-302	11-634P-8	12-590P
Ford 351C	11-927P-8	12-1010P
Ford 351W,351M,400	11-831P-8	12-981P
Ford 370,429,460	11-818P-8	12-1039P
Jeep 4.0L 1991-05	11-960P-6	12-1947P
Olds 307,350	11-684P-8	12-805P
Olds 400,455	11-542P-8	12-804P
Pontiac 350,389,400,	11-758P-8	12-496P
Pontiac 455	11-758P-8	12-667P
Toyota 22R, 22RE	11-1218AL-4	12-1590AL

* 4-pack set

OBSOLETE MAIN BEARINGS

DISCONTINUED BY OTHER SUPPLIERS

IN STOCK at Engine Pro



Tri-metal design in "still-popular" oversizes

Application	Rod Bearings	Main Bearings
BUICK		
300 1964-67	CB610P	11-610P-4
		MS961P-20 12-961P-20
		MS961P-30 12-961P-30
CHEVROLET		
348 1958-65	CB743P	11-743P-8
		MS458P-30 12-458P-30
409 1961-65	CB743P	11-743P-8
		MS458P-30 12-458P-30
FORD		
312 1956-60	CB461P	11-461P-8
		MS195P-20 12-195P-20
383 1958-60	CB521P8-20	11-521P-8-20
		CB521P8-30 11-521P-8-30
410 1958	CB521P8-20	11-521P-8-20
		CB521P8-30 11-521P-8-30
430 1958-65	CB521P8-20	11-521P-8-20
		CB521P8-30 11-521P-8-30
462 1966-68	CB521P8-20	11-521P-8-20
		CB521P8-30 11-521P-8-30



KIT PARTS

PERFORMANCE BEARINGS



Application	Rod Bearings	Main Bearings
Chevy SBC Sm journal	CB745HN	MS429H
Chevy SBC Lg journal & LS1	CB663HN	MS909H
Chevy 400	CB663HN	MS1038H
Chevy 4.8L, 5.3L, 5.7L, 6.0L	CB663HN	MS2199H
Chevy 348, 409	CB743HN	MS458H
Chevy BB	CB743HN	MS829H
Chevy 6.6L Duramax Diesel	CB1805H	MS2218H
Ford 4.6L, 5.4L	CB1442H	MS2202H
Ford 289-302	CB634HN	MS590H
Ford 351W 1977-98	CB831HN	MS1432H
Ford 351W 1969-76	CB831HN	MS981H
Ford 429, 460	CB818HN	MS1039V
Olds, 400, 425, 455	CB542HN	MS804H
Pontiac 326, 350, 389, 400	CB758HN	MS496H

COATED PERFORMANCE BEARINGS



- Tri-Metal construction
- "BLUE" Moly/Graphite coating
- PTFE polymer adds protection

Part	Application	Notes
Small Block Chevy		
CB663HNK	350/400	2.100" journal
MS909HK	350/400	Mains
MS1038HK	400	Mains
Big Block Chevy		
CB743HNK	427/454	2.200" journal
MS829HK	427/454	Mains
Small Block Ford		
CB634HNK	289/302	2.125" journal
MS590HK	289/302	Mains

COATED PERFORMANCE BEARINGS



- Enhanced moly disulfide polymer coating

Part	Application	Note
Small Block Chevy		
C8-7065CH	283/327	2.000" journal
C8-7100CH	350/400	2.100" journal
C8-7195CH	SBC	Honda small journal
C139M	350/400	
C140M	400	
Big Block Chevy		
C8-7200CH	427/454	2.200" journal
C8-7200CHA	427/454	2.200" journal, dowel hole
C141M	427/454	
Ford		
C8-7160CH	289/302	
C129M	289/302	3/4 groove, countoured flange
C8-7155CH	351W	
C130M	351M	3/4 groove

COATED PERFORMANCE BEARINGS

Moly-Graphite coating extends bearing life and improves engine power, efficiency and longevity.



Part	Application	Sizes	Notes
Small Block Chevy			
11E-745HK8	Small Block	Std	2.000" journal
11E-663HK8	350-400	Std, X, 001, 010	2.100" journal
11E-663HDK8	350-400	Std	With Dowel
12E-909HK	305-350	Std, X, 010	Mains
12E-1038HK	400	Std	Mains
Big Block Chevy			
11E-743HK8	396-454	Std, 010	2.200" journal
11E-743HDK8	396-454	Std	With Dowel
12E-829HK	396-454	Std, X, 010	Mains

CAM BEARINGS

FULL ROUND CAM BEARINGS



STOCK

Part #	Application
CH-4	Chevy SB 1955-63
CH-8	Chevy SB 1964 up
CH-12	Chevy BB 1967 -96
CH-19	GM 2.2L OHV 1990-03
F-1	Ford Flathead V8 1936-53
F-18	Ford SB 1963-96
F-26	Ford 351C, M-400
F-30	Ford 429-460
F-33	Ford 352-428 FE
IN-17	Ford / IHC 6.9L-7.3L 1983-03
O-6	Olds 350-400-425-455 1965-76
PD-16	Chrysler 318-360 to '79
PD-17	Chrysler 383-440 to '79
PD-25	Chrysler 318 1980-03; 360 1979-03
P-4	Pontiac



PERFORMANCE

Part #	Application
CHP-8	Chevy SB '64 up
CHP-12	Chevy BB 1967 -96
FP-18	Ford SB 1963-96
FP-26	Ford 351C, M-400
FP-30	Ford 429-460
FP-33	Ford 352-428 FE
PDP-16	Chrysler 318-360 to '79
PDP-17	Chrysler 383-440 to '79

PERFORMANCE COATED

Part #	Application
CHP-8T	Chevy SB '64 up
DT-1T	Chevy SB Dart Little "M"
GMP-2T	Chevy SB Dart Iron Eagle
CHP-12T	Chevy BB 1967 -96
GMP-12T	Chevy BB Dart Big "M"
FP-18T	Ford SB 1963-96
SBF-1T	Ford SVO, Dart
32510000	Dart Cam Plug

BEARING ASSEMBLY LUBE

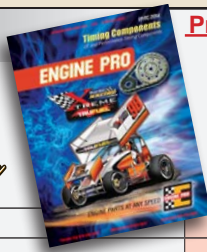


8 oz. #40-1100 8 oz. #50050 8 oz. #2800B2 Gallon #2800-B4

PERFORMANCE TIMING

Complete Performance and O.E.M.
Timing Line Available.

R = Rolon Chain

**Premium Billet**

.250 Double
9-Key

**Pro Adjust**

+6° to -6°
Billet gear

**Gear Drive**

8620 Steel
Roller Button

**Street .250**

.250 Double
3-Key

**HD .200**

.200 Double
3-Key

**HD .334**

.334 Single
3-Key



AMC - Jeep -- V8 290, 304, 343, 360, 390, 401				08-1118R		
Buick -- V6 & some V8 W/O integral Distributor Drive				08-1132R		
Buick -- V6 & V8 WITH integral Distributor Drive				08-1134R		
Buick -- V8 400, 430, 455 1967-76	08-2040R					
SB Chevy 1955-On, 262-400 V8, 200-262 V6 (4.3L wo Bal shaft), exc factory hyd roller cam	08-2001T-9R	08-4700R	08-5100 08-5100Q	08-1100R 08-1100T-9R	08-3023-3	08-3300
SB Chevy -- 1955-On - .005	08-2001T-9-005R	08-4700-005R		08-1100-005R		
SB Chevy -- 1955-On - .010	08-2001T-9-010R	08-4700-010R		08-1100-010R		
SB Chevy -- With Raised Cam Tunnel	08-2060T-9R	08-4760R				
SB Chevy - 1955-86 BB Chevy Crank Snout	08-2065T-9R	08-4765R				
SB Chevy - 1955-86 Raised Cam, BB Chevy Crank Snout	08-2066T-9R	08-4766R				
SB Chevy -- 1986 Up w/ Factory Roller Cam	08-2021T-9 R		08-5450	08-1145R		08-3381
SB Chevy -- 1986 Up w/ Factory Roller Cam - .005	08-2021T-9-005R			08-1145-005R		
SB Chevy -- 1986 Up w/ Factory Roller Cam - .010	08-2021T-9-010R			08-1145-010R		
Chevy LS1 -- 4.8V; 5.3T,Z,P; 5.7G,S; 6.0N,U - 1997-2004	08-2013T-9R ^{005 010}					
Chevy LS1 -- 4.8V; 5.3T,Z,P; 5.7G,S; 6.0N,U - 1997-2004 - .005	08-2013T-9-005R					
Chevy LS2 -- 4.8V; 5.3T,Z,B; 5.7S; 6.0N,U - 2005	08-2014T-9R ^{005 010}					
Chevy LS2 -- 4.8V; 5.3T,Z,B; 5.7S; 6.0N,U - 2005 - .005	08-2014T9-005R					
Chevy LS2 -- 4.8V; 5.3T,Z,B; 5.7S; 6.0N,U - 2006	08-2036T-9R					
Chevy LS2 -- 4.8V; 5.3T,Z,B; 5.7S; 6.0N,U - 2006 - .005	08-2036T-9-005R					
Chevy LS2 -- 4.8V; 5.3T,Z,B; 5.7S; 6.0N,U - 2007	08-2035T-9R					
Chevy LS2 -- 4.8V; 5.3T,Z,B; 5.7S; 6.0N,U - 2007 - .005	08-2035T-9-005R					
Chevy LS3 -- 6.20 W - 2008-2009	08-2036T-9R					
Chevy LS3 -- 6.20 W - 2008-2009 - .005	08-2036T-9-005R					
Chevy LS7 - 7.0L E - 2006-2010	08-2077T-9R					
Chevy -- 348, 409; 1958-65				08-1101R		
BB Chevy -- 1965-90	08-2002T-9R	08-4710 R	08-5410 08-5410Q	08-1110R 08-1110T-9R	08-3024-3	
BB Chevy -- 1965-90 - .005	08-2002T-9-005R			08-1110-005R		
BB Chevy -- 1965-90 - .010	08-2002T-9-010R			08-1110-010R		
BB Chevy -- 7.0 Marine 1991-1998						08-3399
BB Chevy -- 454, 502 Roller Cam Marine 1991-2000						08-3376
BB Chevy -- GEN VI - 454 (7.4B, J) -- 1996-00	08-2037T-9R		08-5415 08-5415 Q			08-3336 (99-00) 08-3337 (96-99)
BB Chevy 8.1 2001						08-3358
BB Chevy 8.1 2002-2005						08-3359
Chrysler -- V8 273, 318, 340, 354, 360, 392, V6 238	08-2004-9R			08-1103R	08-3028-3	
Chrysler -- V8 345 (5.7); 370 (6.1); Hemi 2005-2008	08-2011-9R					
Chrysler -- V8 383, 400, 426 Hemi, 440 -- 3 Bolt Cam	08-2005T-9R		08-5425 08-5425Q	08-1125R	3045	
Chrysler -- V8 383, 400, 426W, 440 -- 1 Bolt Cam	08-2010-9R			08-1104R	3044	
Ford V8 4.6 SOHC Vin X 1996-1998 (complete set)	08-7089					
Ford V8 4.6 SOHC Vin X 1996-2002 (sprocket set)	08-7123A					
Ford V8 4.6 SOHC Vin X 1999-2002 (complete set)	08-7123					
SB Ford -- 1 Piece Fuel Pump Eccentric --Late 1965-Early 72	08-2003T-9R	08-4720R		08-1135R	08-3054-3	
SB Ford -- 1 Piece Fuel Pump Eccentric --Late 1965-Early 72 - .005	08-2003T-9-005R			08-1135.005R		
SB Ford -- 1 Piece Fuel Pump Eccentric --Late 1965-Early 72 - .010	08-2003T-9-010R			08-1135.010R		
SB Ford -- 2 Piece Fuel Pump Eccentric--Late 1973-88	08-2023T-9R	08-4751R	08-5420 08-5420Q	08-1138R	08-3057-3	
SB Ford -- 2 Piece Fuel Pump Eccentric--Late 1973-88 - .005	08-2023T-9-005R					
SB Ford -- 2 Piece Fuel Pump Eccentric--Late 1973-88 - .010	08-2023T-9-010R					
Ford -- V8 351C, 351M, 400	08-2008T-9R		08-5421 08-5421Q	08-1121R		
Ford -- V8 360, 390, 427, 428	08-2006T-9 R			08-1108R	3029	
Ford -- V8 429, 460 w/ Factory TDC Timing	08-2009T-9R	08-4730R	08-5430 08-5430Q	08-1122R	3079	
Olds -- V8 260, 307, 350, 400, 403, 425, 455				08-1113R		
Pontiac -- V8 350P, 400, 428, 455	08-2007W-9R		08-5412 08-5412Q	08-1112R	3043	

Located: Dania Beach, FL -- Kansas City, MO -- Minneapolis, MN -- Worcester, MA

LS-SERIES SINGLE ROLLER BILLET SETS



NEW from Engine Pro

- Single Roller .250" Chain, heavy duty, heat treated and polished
- Billet Steel Cam Sprocket with thrust bearing and heat treated
- Billet Steel Crank Sprocket, heat treated & black oxide coated
- 9 keyway Crank with 2,4,6 & 8 degree adjustment
- Oil Pump Drive Sprocket



Part #	Applications	Cam Sprocket	
08-9014-T9	4.8L, 5.3L (99-06)	LS6 5.7L (04-05)	3-Bolt, 0 Sensors
08-9014-T9	LS1 5.7L (97-05)	LS2 6.0L (99-07)	3-Bolt, 1 Sensor
08-9036-T9	LS2 6.0L (06-07)	L92 6.2L (07)	3 Bolt, 4 Sensors
08-9035-T9	4.8L, 5.3L (07-10)	LS2 6.0L (05-10)	1 Bolt, 4 Sensors
08-9035-T9	LS3 6.2L (08-10)	L92 6.2L (07-09)	1 Bolt, 4 Sensors

TIMING POINTERS

- CNC Billet Aluminum
- Black Anodized
- 4 Degrees Adjustment
- Stainless Mounting Hardware



Part #	Application	Diameter
14-61900	SB Chevy	6 1/8"
14-61905	SB Chevy	6 1/4"
14-61907	SB Chevy	6 3/8"
14-61910	SB Chevy	6 3/4"
14-61911	SB Chevy	7 1/4"
14-61915	SB Chevy	8"
14-61918	BB Chevy	6 1/4"
14-61919	BB Chevy	7"
14-61920	BB Chevy	7 1/4"
14-61922	BB Chevy	8"
14-61930	SB Ford 302-351W-Adjustable,	6 1/4" to 6.700"



INSTALL PARTS FOR TIMING SETS

Part #	Description
08-7800T	SBC & BBC Chevy Roller Thrust Bearing
08-7800W	SBC & BBC Chevy Bronze Washer
08-7815PK	Installation Kit Set 08-5415, 08-5415Q
08-7820T	Ford Thrust Bearing
08-7820W	Ford Bronze Washer
08-7820TPK	Ford Thrust Plate w/Countersunk Screws for Clearance
08-7825PK	Installation Kit Set 08-5425, 08-5425Q
08-7840PK	Installation Kit Set 08-5100, 08-5100Q
08-7841PK	Installation Kit Set 08-5410, 08-5410Q
08-7850PK	Installation Kit Set 08-5450, 08-5450Q
3DR-58R	SB Chevy & SB Ford Replacement Timing Chain-.250" Roller
3DR-64R	BB Chevy Replacement Timing Chain for .250" Roller



BELT DRIVE TIMING SET

SB Chevy 1955-1988
Includes Thrust washers, seals and hardware.



Part #	Supplier
6100	Comp Cams
08-5600	Engine Pro



TIMING COVERS



Part #	Application
08-8001	SB Chevy 1965-90 - High Quality Reinforced Steel
08-8002	SB Chevy 1965-90 - Aluminum w/ cap screws

TIMING COVER STUD KIT

- 70,000PSI Black Oxide studs • zinc coated undersized head.
- Works with stamped and aluminum

29-4006SB Chevy 1965-90 timing covers.

BULK BOLTS

- 12-point head • 8740 Chrome Moly • 180k PSI • Black Oxide
- 250-0750-50... 1/4"-20 x .750"UHL



TIMING COVERS AND ACCESSORIES

Part #	Application
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ENGINE QUEST



TC361N	AMC V8 1968-91	
TCC350	SB Chevy w/ Metal 8" Balancer	
TCC305	SB Chevy w/ Metal 6" Balancer	
TC350M	SB Chevy Marine 1986-95	
TC350C	SB Chevy Chrome 1967-95	
TM350C	Chrome Bolt-on Timing Marker for TC350C/M	
TC351A	Ford 289-302 351W 1969-84	
TC351C	Ford 302-351W 1983-89 car, 83-86 truck	TC460N
TC351E	Ford 302 1991-93 T-Bird & Cougar w/elect. fuel pump	
TC351F	Ford 302-351W 1987-97 truck & van	
TC351H	Ford 1994-95 Mustang, 96-01 Explorer & Mountaineer	
TC460N	Ford 460 1969-97	
DT460	460 Dip stick tube for above	
TC400N	Pontiac V8 1969-77 (with timing mark, water plate and tubes included)	
WP400P	Pontiac V8 1969-77 Water pump backing plate	
WP400S	Pontiac V8 1969-77 Water tube insert. 2-required.	



PARTS FINDER

500262	GM 4.3 Plastic 1996-00 w sensor
500262WO	GM 4.3 Plastic 1996-00 without sensor hole
500350	SB Chevy Plastic 1996-00 w sensor
500350WO	SB Chevy Plastic 1996-00 without sensor



ELGIN

ETC113 Small Block Chevy, includes bolt on timing tab



SILVER SEAL

6570SC	Buick 196-213-252-350 RWD
6570TM	Timing Mark for 6570SC
TW455	Buick 400-430-455 1967-76
6544	SB Chevy 1985-92 Bare
6544CP	SB Chevy 1985-92 Chrome
6544T	Chrome Timing Tab 6-7-8" balancer
6544R	Chrome Timing Tab w/ pointer; 8" balancer
TW6552	BB Chevy 396-454 Bare steel
TW6552CP	BB Chevy 396-454 Chrome
TW6542	BB Chevy Gen 5, 1991-95
TW6544	BB Chevy Gen 6, 1996-on



FASTENERS

Part #	Descriptions
200-1401	Hex Head Stud Kit
200-1411	12 PT Stud Kit
400-1502	Stainless Steel Hex Head Bolt Kit
200-1501	Black Oxide 12 Point Bolt Kit
200-1502	Black Oxide Hex Head Bolt Kit



PERFORMANCE CAMSHAFT & LIFTERS



Add Prefix
to Base #
HT, JB, J

Part #	M/Hyd	Stage	Duration @ .050"		Advertised Duration		Valve Lift		Lobe Separation		Power Range	Idle	Notes	Base Part #
			Int	Exh	Int	Exh	Int	Exh	Int	Exh				
AMERICAN MOTORS V8, 1966-92 290, 304, 343, 360, 390, 401 C.I.														
MC1786	HYD	2	204	214	280	280	.448	.472	105	105	1500-4000	Smooth	B, D	2011
BUICK V6, 1978-88 181,196, 231, 252 C.I. (EVEN FIRE W/INTREGRAL DIST.DRIVE GEAR)														
MC1731	HYD	1	194	204	272	280	.424	.449	114	114	1000-5000	Smooth	B	969
CHEVROLET V6 1980-89 173 C.I. (2.8L) 1990-94 189 C.I. (3.1L)														
MC1784	HYD	2	204	214	278	288	.420	.443	107	112	1500-4000	Smooth	B	2095
CHEVROLET V8 1955-95 262, 265, 267, 302, 305, 307, 327, 350, 400 C.I.														
MC2199	HYD	1	184	194	260	270	0.368	0.398	104	104	1000-3500	Stock	B	817
MC2200	HYD	2	194	204	270	278	0.398	0.420	104	104	1500-4000	Smooth	B, C	817
MC2201	HYD	2	204	214	278	288	0.420	0.443	110	110	1500-4000	Smooth	B, C	817
MC1730	HYD	2	204	214	278	288	0.420	0.433	107	117	1500-4000	Smooth	B	817
MC2203	HYD	3	209	216	283	286	0.435	0.455	107	117	1500-4000	Fair	B	817
MC2204	HYD	3	214	214	288	288	0.443	0.443	107	117	2000-4000	Fair	B	817
MC1988	HYD	3	214	224	288	298	0.443	0.465	107	117	2000-4500	Fair	B	817
MC1989	HYD	3	214	214	287	287	0.444	0.444	105	115	2000-4000	Fair	B	817
MC1713	HYD	3	223	223	290	290	0.447	0.447	110	118	2000-4000	Fair	B	817
MC5840	HYD	3	224	224	291	287	0.450	0.461	114	114	2000-4500	Fair	B	817
MC1991	HYD	3	224	224	290	290	0.465	0.465	107	117	2000-5500	Fair	8	817
MC5892	HYD	4	224	234	298	304	0.465	0.488	107	117	2000-5500	Rough	2	817
MC1993	HYD	4	232	232	287	287	0.480	0.480	106	110	2000-5000	Rough	B	817
MC1995	HYD	4	234	244	303	313	0.488	0.509	107	117	2500-6500	Rough	B	817
MC1996	HYD	5	246	246	302	302	509	509	106	112	3200-7000	Very Rough	B	817
MC5871	HYD	5	244	254	313	328	0.508	0.533	107	117	3500-7500	Very Rough	B	817
MC1612	MECH	5	254	254	295	295	0.485	0.485	110	118	3200-7500	Very Rough	B	992
MC22398	RETRO RLR	4	234	238	296	300	0.537	0.546	107	117	2500-6000	Rough	B, N	17-5372-16
CHEVROLET SMALL BLOCK 305, 350, C.I. ROLLER CAMS														
MC22131	HYD	2	210	215	288	284	0.462	0.470	106	114	600-4500	Smooth	B, N	2148
MC22280	HYD	3	220	224	283	287	0.495	0.502	107	113	1800-5400	Fair	B, N	2148
MC22298	HYD	4	222	232	297	307	0.478	0.500	109	119	2000-5700	Rough	B, N	2148
MC22397	HYD	4	234	238	296	300	0.537	0.546	107	117	2500-6000	Rough	B, N	2148
CHEVROLET V8 1967-95 396, 402, 427, 454 C.I. 1969-90 366 C.I. (CHAIN DRIVE)														
MC2004	HYD	2	204	208	288	298	0.459	0.459	108	116	1500-4200	Smooth	B	817
MC2006	HYD	3	214	214	292	292	0.502	0.502	109	119	2000-4000	Fair	B	817
MC1737	HYD	3	214	224	292	302	0.502	0.527	108	116	2000-5500	Fair	B	817
MC1636	HYD	4	222	235	310	325	0.500	0.505	110	120	1500-4000	Rough	B	817
MC1958	HYD	4	224	224	293	293	0.510	0.510	114	117	1500-4000	Rough	GH	817
MC2305	HYD	4	224	232	302	307	0.529	0.553	110	118	2500-6000	Rough	B,D	817
MC22485	RETRO RLR	4	236	246	316	324	0.561	0.578	106	114	3000-6000	Rough	B, N	17-5374-16
MC22472	RETRO RLR	5	237	245	335	329	0.625	0.639	109	115	3000-6500	Very Rough	B, N	17-5374-16
MC22480	RETRO RLR	5	241	246	304	310	.559	.572	110	114	2800-6200	Very Rough	B, N	17-5374-16
MC22141	RETRO RLR	3	216	228	288	300	.501	.510	108	118	1700-5200	Fair	B, N	17-5374-16
MC22236	RETRO RLR	4	224	234	296	308	.527	.544	106	114	2200-5700	Rough	B, N	17-5374-16
CHRYSLER V8 1964-89 273, 340, 360 C.I. 1967-89 318 C.I. (EXCEPT ROLLER LIFTERS)														
MC1735	HYD	2	204	214	270	280	.421	.443	107	117	1500-4000	Smooth	B	2011
MC3203	HYD	3	214	224	288	298	.443	.466	108	116	2000-4800	Fair	B	2011
CHRYSLER V8 1958-78 350, 361, 383, 400, 413, 426, (EXC HEMI), 440 C.I. "B/RB" ENGINE - USE WITH SINGLE BOLT GEAR														
MC1787	HYD	2	204	214	270	280	.421	.443	107	117	1500-4000	Smooth	B	2011
MC2032	HYD	3	214	224	288	298	.443	.452	107	117	2000-4500	Fair	B, E	2011
FORD V8 1962-91 221, 255, 260, 289, 302 C.I. (EXCEPT 1982-85 302 H.O. & 302 C.I. W/HYD ROLLER LIFTERS) FIRING ORDER 1-5-4-2-6-3-7-8														
MC4120	HYD	2	194	204	260	270	.424	.448	105	115	1000-4000	Smooth	B	900
MC1734	HYD	2	204	214	270	289	.449	.473	107	117	1500-4000	Smooth	B, G	900
MC2057	HYD	3	214	224	280	290	.472	.496	107	117	2000-4500	Fair	B, G	900

PERFORMANCE CAMSHAFT & LIFTERS



Add Prefix to Base # HT, JB, J

Part #	M/Hyd	Stage	Duration @ .050"		Advertised Duration		Valve Lift		Lobe Separation		Power Range	Idle	Notes	Base Part #
			Int	Exh	Int	Exh	Int	Exh	Int	Exh				
FORD SMALL BLOCK ROLLER CAMS for engines originally equipped with roller camshafts														
MC24226	HYD RLR	3	211	222	270	280	.491	.509	107	117	2800-5000	Fair	B, N	A2205
MC24280	HYD RLR	3	220	223	280	290	.512	.512	109	115	2000-5500	Fair	B,N	A2005
MC24227	HYD RLR	4	222	232	289	297	.509	.532	107	117	2200-6200	Rough	B, N	A2005
FORD V8 1970-82 351C, 351M, 400 C.I.														
MC1733	HYD	2	204	214	270	280	.484	.511	107	117	1500-4000	Smooth	B	900
FORD V8 1969-91 351W C.I.														
MC1775	HYD	2	204	214	280	290	.448	.472	107	117	1500-4000	Smooth	B	900
MC4225	HYD	3	219	219	308	308	.467	.467	107	119	2000-4000	Fair	B	900
FORD V8 1970-82 352, 360, 390, 406, 410, 427, 428 C.I. 'FE' ENGINE														
MC1776	HYD	2	204	214	282	292	.484	.510	104	120	1500-4000	Smooth	B,H	2083
MC4205	HYD	3	214	224	292	302	.510	.536	104	120	2000-4500	Fair	B,H	2083
FORD V8 1968-97 370, 429, 460, 512 C.I.														
MC1732	HYD	2	204	214	270	280	.485	.512	107	117	1500-4000	Smooth	B	900
MC2311	HYD	3	214	224	280	290	.511	.544	107	117	2000-4800	Fair	B	900
OLDSMOBILE V8 1967-85 (30 DEGREE BANK ANGLE) 260, 307, 350, 400, 403, 425, 455 C.I.														
MC1777	HYD	2	204	214	270	290	.449	.473	107	117	1500-4000	Smooth	B, D	951
MC2101	HYD	3	214	224	280	290	.472	.496	106	118	2000-4500	Fair	B, D	951
PONTIAC V8 1955-81 265, 287, 301, 316, 326, 347, 350, 370, 389, 400, 421, 428, 455 C.I.														
MC1778	HYD	2	204	214	270	280	.420	.443	108	118	1500-4000	Smooth	B	951
MC1130	HYD	3	214	224	280	290	.443	.466	108	116	2000-4500	Fair	B	951

Notes: B - latest computer designed camshaft. C - preferred choice for computer controlled engines. D - may require conversion to an adjustable valve train.
 E - base circle size of camshaft is smaller than stock size. Special push rods or rocker arms may be required to keep geometry correct and avoid damage.
 F - this mechanical lifter camshaft requires adjustable valve train. G - the base circle size of the camshaft may require conversion to an adjustable valve train.
 H - the valve lift of this camshaft may require special pushrods, rocker arms or springs to keep geometry correct and prevent binding and damage.
 N - not computer compatible

PERFORMANCE ROLLER LIFTERS

- 8620 Tool Steel
- Limited Travel Hyd roller use 0.00" to 0.005" Preload



All lifters with a vertical tie bar (T/B) are designed to be installed in either Retro-Fit engines or engines originally equipped with roller lifters. Many more applications available.



Part #	Description	Roller Dia.	Part #	Description	Roller Dia.
17-6076-16	AMC .903D T/B Street Perf Hyd. Roller 304-401ci	0.700	17-4795-16	BB CHEV .842D T/B HYD (HLT) Roller	0.750
17-5333-16	BUICK .842D T/B Street Perf Hyd. Roller 401-425-455ci	0.700	17-5547-16	BB CHEV .842D T/B Street Perf Mech Roller	0.700
17-5331-16	CADILLAC .842D T/B Street Perf Hyd. Roller	0.700	17-4677-16	BB CHEV .842D Horiz T/B Mech Roller	0.750
17-5372-16	SB CHEV .842D T/B Street Perf Hyd. Roller	0.700	17-4606-16	BB CHEV .842D T/B Mech Roller .300 Tall O/C	0.750
17-4602-16	SB CHEV .842D T/B Perf Hyd. Roller	0.750	17-5339-16	CHEV 348-409 .842D T/B Street Perf HYD Roller	0.700
17-4789-16	SB CHEV .842D T/B Perf Hyd. Roller (HLT)	0.750	17-5321-16	SB MOPAR .903D Street Perf HYD Roller	0.700
17-4604-16	SB CHEV .842D T/B Mech. Roller +.300 O/C	0.750	17-5319-16	BB MOPAR .903D T/B Street Perf HYD Roller	0.700
17-5965-16	SB CHEV .842D T/B Mech. Roller U/P +.300 O/C with (NBA)	0.750	17-5323-16	SB FORD .875D T/B Street Perf HYD Roller	0.700
17-4838-16	SBC .842D T/B Mech. RLR U/P P/O +.300 .180 L&R INT Offset	0.750	17-5325-16	BB FORD .875D T/B Street Perf HYD Roller	0.700
17-4708-16	GM-LS .842D HYD Roller Stock Rocker Boxes	0.750	17-5335-16	OLDS .842D T/B Street Perf HYD Roller 400-403-425-455	0.700
17-4793-16	GM-LS .842D HYD Roller Stock Rocker Boxes (HLT)	0.750	17-5884-16	PONTIAC .842D T/B Street Perf HYD Roller 400-455	0.700
17-5290-16	GM-LS .842D T/B Street Perf HYD Roller	0.700			
17-5374-16	BB CHEV .842D T/B Street Perf HYD Roller	0.700			
17-5475-16	BB CHEV Mercury Marine Dog Bone .842D HYD Roller	0.750			
17-4603-16	BB CHEV .842D T/B HYD Roller	0.750			

T/B - Vertical Tie Bar lifter
 U/P - Ultra Pro Series Full Bodied lifter no Oil band Cut, Ported
 O/C - Pushrod Seat On Center
 HLT - HYD Limited Travel 0 to .005" Preload
 NBA - Nascar Bearing and Axle, Endurance Series

Located: Dania Beach, FL -- Kansas City, MO -- Minneapolis, MN -- Worcester, MA

PERFORMANCE CAMSHAFTS



HIGH ENERGY HYDRAULIC STREET CAMS

Application/Part#	RPM Range	Inches Lift Int / Exh	Duration @ .050"
SB Chevy			
12-205-2	800-4800	.425/.425	206/206
12-206-2	1200-5200	.440/.440	212/212
12-210-2	1500-5500	.454/.454	218/218
BB Chevy			
11-205-3	1500-5500	.485/.485	218/218
SB Ford 289 Firing Order			
31-216-2	1200-5200	.447/.447	212/212
31-218-2	1500-5500	.456/.456	218/218
Ford 351C, M, 400			
32-221-3	1500-5500	.494/.494	218/218
Ford 352-428 FE			
33-224-3	1500-5500	.494/.494	218/218
Ford 429-460			
34-227-4	1500-5500	.494/.494	218/218
SB Chrysler			
20-210-2	1200-5200	.440/.440	212/212

MAGNUM MUSCLE HYDRAULIC STREET CAMS

Application/Part#	RPM Range	Inches Lift Int / Exh	Degrees Duration @ .050
SB Chevy 327-350 300HP			
12-206-2	1200-5200	.440/.440	212/212
SB Chevy 327 350HP			
12-212-2	1800-5800	.470/.470	224/224
SB Chevy 302-327-350 290-370HP			
12-309-4	2500-6500	.489/.489	246/246
BB Chevy 396-402-427-454 375-465HP			
11-551-5	2000-6000	.575/.604	242/250
Olds 350-455 325-370HP			
42-231-4	2500-6500	.490/.490	230/230
Pontiac 400-455 345-370HP			
51-314-4	1500-5500	.481/.481	232/237
SB Ford 289 271HP			
31-334-4	2500-6500	.528/.528	236/236
SB Chrysler 340 275HP			
20-309-4	1800-5800	.464/.464	222/222
BB Chrysler 383-440 335-390HP (single bolt)			
21-305-4	1600-5600	.464/.464	222/226

MAGNUM CAMS FOR STREET AND STRIP

Application/Part#	RPM Range	Inches Lift Int / Exh	Degrees Duration @ .050"
SB Chevy			
12-211-2	1800-5800	.470/.470	224/224
12-212-2	2000-6000	.480/.480	230/230
12-213-3	2500-6500	.501/.501	244/244
12-214-4	3000-7000	.525/.525	253/253
12-224-4*	2500-6500	.525/.525	248/248
12-225-4*	3000-7000	.555/.555	260/260

MAGNUM CAMS FOR STREET (Cont)

Application/Part#	RPM Range	Inches Lift Int / Exh	Degrees Duration @ .050"
BB Chevy			
11-207-3	1500-5800	.510/.510	224/224
11-208-3	2000-6000	.520/.520	230/230
11-219-4*	2500-6500	.595/.595	248/248
SB Ford-289 firing order			
31-414-3	1800-5800	.501/.501	224/224
31-226-3	2000-6000	.512/.512	230/230
SB Chrysler			
20-232-4	2500-6000	.480/.480	230/230
20-243-4	3000-6500	.501/.501	244/244
BB Chrysler-single bolt			
21-306-4	1800-5500	.470/.470	224/224
21-242-4	3000-6200	.501/.501	244/244
Olds V8			
42-231-4	2000-6000	.490/.490	230/230
Pontiac V8			
51-240-4	2500-6500	.501/.501	244/244

* Solid Lifter

THUMPER



Part #	Application	RPM Range	Inches Lift Int / Exh	° Duration @ .050	Lobe Angle
SB Chevy					
12-600-4	Thumpr	2000-5800	.479/.465	227/241	107
12-601-4	Mutha'Thumpr	2200-6100	.489/.476	235/249	107
12-602-4	Big Mutha'Thumpr	2500-6400	.500/.486	243/257	107
BB Chevy					
11-600-4	Thumpr	1800-5600	.498/.483	227/241	107
11-601-4	Mutha'Thumpr	2000-5900	.510/.495	235/249	107
11-602-4	Big Mutha'Thumpr	2300-6200	.522/.507	243/257	107
SB Ford 289 Firing Order					
31-600-5	Thumpr	2000-5800	.491/.476	227/241	107
31-601-5	Mutha'Thumpr	2200-6100	.500/.486	235/249	107
31-602-5	Big Mutha'Thumpr	2500-6400	.512/.497	243/257	107
Ford 351W, 302HO					
35-600-4	Thumpr	2000-5800	.491/.476	227/241	107
35-601-4	Mutha'Thumpr	2200-6100	.500/.486	235/249	107
35-602-4	Big Mutha'Thumpr	2500-6400	.512/.497	243/257	107
Ford 429-460					
34-600-5	Thumpr	2000-5800	.506/.493	226/241	107
34-601-5	Mutha'Thumpr	2200-6100	.519/.503	234/249	107
34-602-5	Big Mutha'Thumpr	2500-6400	.531/.515	242/257	107
SB Chrysler					
20-600-4	Thumpr	2000-5800	.486/.473	227/241	107
20-601-4	Mutha'Thumpr	2200-6100	.497/.483	235/249	107
20-602-4	Big Mutha'Thumpr	2500-6400	.507/.494	243/257	107
BB Chrysler-single bolt					
21-600-5	Thumpr	2000-5800	.486/.473	227/241	107
21-601-5	Mutha'Thumpr	2200-6100	.497/.483	235/249	107
21-602-5	Big Mutha'Thumpr	2500-6400	.507/.494	243/257	107
Olds V8					
42-600-5	Thumpr	2000-5800	.491/.476	227/241	107
42-601-5	Mutha'Thumpr	2200-6100	.500/.486	235/249	107
42-602-5	Big Mutha'Thumpr	2500-6400	.512/.497	243/257	107
Pontiac V8					
51-600-5	Thumpr	2000-5800	.478/.465	227/241	107
51-601-5	Mutha'Thumpr	2200-6100	.490/.476	235/249	107
51-602-5	Big Mutha'Thumpr	2500-6400	.501/.486	243/257	107

CAMSHAFT ACCESSORIES



Part #	Application	Description
08-8501	SB Chevy	Roller Thrust Button .795"
08-8511	BB Chevy	Roller Thrust Button .945"
08-8551	SB Chevy	Solid Aluminum Thrust Button .795"aluminum
08-8561	SB Chevy	Solid Aluminum Thrust Button .810"
08-8512	BB Chevy	Solid Aluminum Thrust Button .945"
08-8502	SB & BB Chevy	Cam Lock Plate & Bolt Kit

7820TPK SB Ford Cam Thrust Plate w/counter-sunk screws provides extra clearance when using a cam gear with a Torrington bearing.



08-9428 SB Chrysler Timing Chain Tensioner first sold thru Direct Connection, this tensioner will stabilize cam timing by reducing chain slack. Replaces thrust plate.



Part # Description Shaft Dia

Bronze Distributor Gears

- Ampco 45 Extruded Aluminum Bronze Material
- Can Be Used With Cast Iron, Austemper Steel And Steel Camshaft Material

100-4910	..... Chevrolet Small & Big Block V8	..... .491"
100-5010	..... Chevrolet Small & Big Block V8	..... .501"



Melonite Distributor Gears

- Metal Is Coated With Melonite - Not Composite Plastic
- Wear Resistant Under High Rpm Conditions
- For Use With Cast Iron Camshafts Only Not Steel
- More Durable Than Bronze Gears When Used With Cast Iron Cams

100-1000	..... Chevrolet Small & Big Block V8	..... .491"
100-1010	..... Chevrolet Small & Big Block V8	..... .501"



Camshaft Degree Bushing Set

- Fit Chevrolet Small And Big Block, Chrysler Big Block And 426 Engines
- Color Coded

Part # Description
08-9760 Set Of 5 Cam Degree Bushings
(One Each: 0°, 2°, 4°, 6°, 8°)



ROLLER CAM PARTS

Part # Application

Late Model Roller Cam Install Kits

Includes: cam thrust plate, lifter retainers, retainer plate and hardware

LRK-350	1987-93 blocks 4.23" tip-tip thrust plate
LRK-350N	1991-02 blocks 3.90" tip-tip thrust plate Vortec & LT-1
08-1000	1987-93 blocks 4.23" tip-tip thrust plate
08-1001	1991-02 blocks 3.90" tip-tip thrust plate Vortec & LT-1
35-1001	5.0L & H.O. Ford 302 (Does not include thrust plate)



OEM Roller Cam Install Kit

Includes: guides, lifter retainers, screws

31-1000	Ford non-roller EOM engines: 289, 302, 351C/M, 400
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Thrust Plates

CP-350N	SB Chevy 1987-93 4.23" tip-tip; BB Chevy Gen VI
CP-350	SB Chevy 1991-02 3.90" tip-tip; Vortec & LT-1
MF126	Late 302 3.510" tip to tip



O.E. LIFTERS

Part # Application

HYDRAULIC

J817DELPHI	..... GM many 4,6,8 cyl
HT817B	..... GM many 4,6,8 cyl
HT969B	..... GM many 4,6,8 cyl
HT2083B	..... Ford 332-428
HT900B	..... Ford SB, 351-400, 429,460
HT951B	..... Olds, Pont
HT2011B	..... SB Chrysler, AMC V8

HI-REV HYDRAULIC

HT817RB	..... Chevy V8
HT900RB	..... Ford SB, 351-400, 429,460

SOLID

AT992B	..... Chevy V8
AT2000B	..... Ford SB

OE HYDRAULIC ROLLER

HT2148B	..... GM many 4,6,8 cyl
HT2279B	..... GM BB Gen 6 454, 8.1L
J2205	..... Ford 302, 351W
HT2271B	..... Ford 4.6L, 5.4L, 6.8L



2095



817

PERFORMANCE LIFTERS

HIGH ENERGY HYDRAULICS

Part #	Application
869-16	Buick, Cadillac
812-16	Chevy V8
822-16	SB Chrysler
824-16	BB Chrysler, early
832-16	Ford SB, 351-400 & 460
834-16	Ford 332-428
852-16	Olds, Pontiac



HI-REV HYDRAULIC RACE

84000-16	Chevy V8
84035-16	Ford V8

SOLID MECHANICAL

813-16	Chevy V8 Small and Big Block
833-16	Chevy SB with .875" overbore
888-16	Chevy SB Street/Marine +.300
866-16	Chevy BB Street/Marine +.300
821-16	Chrysler 273-360, 383-440
831-16	Ford 221-351W 1963-69
833-16	Ford all SB, 351-400, 429,460, 69-up
835-16	Ford 352-428



SOLID MECHANICAL

2900-16	Chevy and Pontiac V8
2910-16	Ford SB, C and 460



SOLID MECHANICAL w/ EDM OILING HOLE

800-16	Chevy V8
817-16	Ford V8

RETRO-FIT LINK BAR HYD. ROLLER LIFTERS

8920-16	Chrysler 273-360
8921-16	Chrysler 383-440
853-16	Chevy V8 Small Block
854-16	Chevy V8 Big Block
8931-16	Ford SB 289, 302, 351 & 400
8934-16	Ford BB FE & 429-460
857-16	Pontiac & Olds (SB check manifold clearance)



8920-16

OIL PUMPS & SCREENS

Part # Description

HIGH VOLUME OIL PUMPS

M55HV	Small Block Chevy V8
M77HV	Big Block Chevy V8
M99HVS	Small Block Chevy V8 (HP/HV)
M72HV	Chrysler Small Block V8
M63HV	Chrysler Big Block V8
M68HV	Ford 221-302 V8
M83HV	Ford 351W



M55HV

HIGH PRESSURE OIL PUMPS

M55A	SB Chevy LT-1 & Z28
M68A	SB Ford Boss & Special Hi-Performance
M57HP	Ford 406 & 427 FE
M57B	Ford 390-428 Police & Cobra Jet
M84B	Ford 429-460 Police, CJ & SCJ
M54F	Pontiac 400-455 SD, HO & RAM AIR



M54F

STOCK OIL PUMPS

M55	Small Block Chevy V8
M77	Big Block Chevy V8
M72	Chrysler Small Block V8
M68	Ford 221-302 V8
M83	Ford 351W
M57	Ford 352-428 FE
M84	Ford 429-460



M68

PRESS FIT SCREENS

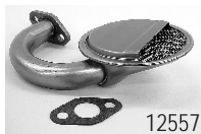
55S1	Goes with M55 or M55HV
305S	BBC to 1976
241S	BBC 1977 up
68S	Ford 302 68-80
68S4	Ford 302 81-90
83S1	Ford 351W 69-91



305S

BOLT-ON SCREENS

12557	*7" stock depth pan
12558	*7 1/2" deep pan
12559	*8" deep pan



12557

*Allow 3/16 to 1/4" adjustment.

RACE OIL PUMPS

Chevy pumps include an oil pump drive shaft.



10296

Part #	Description	Screen Inlet & type	Pinned Gears	Relief Valve	Dowel Cover
Gen III LS-1					
10296	18% greater volume	OEM Bolt-on	NA	Screw-in	NA
Small Block Chevy V8					
10550	25% greater volume	5/8 Press	Yes	Pinned	No
10555	25% greater volume	3/4" Both	No	Screw-in	Yes
10552	10% greater volume	3/4" Both	No	Screw-in	Yes
10990	25% greater volume	3/4" Both	No	Screw-in	Yes
Big Block Chevy V8					
10770	25% greater volume	3/4" Press	Yes	Pinned	No
10778	25% greater volume	3/4" Press	No	Screw-in	Yes
Small Block Ford					
10688	25% greater volume	OEM Bolt-on	NA	Screw-in	Yes
10687	Standard volume	Mustang Only	NA	Screw-in	NA
Ford 351W					
10833	25% greater volume	OEM Bolt-on	NA	Screw-in	Yes

BILLET OIL PUMPS

Stud kit & extra springs included.

Part # Description

10050-700ct	SB Chevy, Circle Track with 7" deep sump
10050-750SS	SB Chevy with 7.5" deep sump
10050-825SS	SB Chevy with 8-1/4" deep sump
10070-800SS	BB Chevy with 8" deep sump
10070-900SS	BB Chevy with 9" deep sump
10070-1000SS	BB Chevy with 10" deep sump



OIL PUMP SHAFTS

MELLING STOCK SHAFTS

Part # Application

IS55E	Small Block Chevy V8 w/steel sleeve
IS77	Big Block Chevy V8
IS68	Ford 221-302 V8
IS60	Ford 352-428 FE
IS83	Ford 351W
IS84A	Ford 429-460
IS72	Chrysler Small Block V8
IS63	Chrysler Big Block V8
IS54A	Pontiac V8



MELLING SELECT SHAFTS

12550	Small Block Chevy V8
12770	Big Block Chevy V8



ARP PERFORMANCE SHAFTS

Part # Application

134-7901	Small Block Chevy V8
135-7901	Big Block Chevy V8
154-7904	Ford 221-302 V8
154-7902	Ford 352-428 FE
154-7901	Ford 351W
154-7903	Ford 429-460



OIL SYSTEM ACCESSORIES



Part # Application

COMP CAMS

4932	Chevy V8 Lifter Valley Breather Tubes
4917	Chevy V8 .055" Lifter Galley Restrictors- Not for use with Hyd. Cams

PIONEER

839055	SB Chevy Lifter Valley Screen Kit
PG591-25	SB Chevy Filter Adapter Bolts
839061	SB Chevy Oil Pick Up Retainer
PP454-25	BB Chevy 1/4" Hex Plug W/Hole
839007	Chrysler Tower Shaft Bushing



ENGINEQUEST

OFA305	SB Chevy Filter adapter 1968-95
DT350C	SB Chevy Chrome Dip Stick & Tube
DT454C	BB Chev Early Chrome Dip Stick & Tube
OFA 302	SB Ford Filter Adapter Fitting
DT460	429-460 Ford '69-97 Dip Stick and Tube



OIL SYSTEM ACCESSORIES



Part # Application

29-4000-8...Chevy V8 Lifter Valley Breather Tubes. Set of 8.



29-4004Chevy V8 Aluminum Lifter Galley Restrictors-Not for use with Hyd. Cams



29-4005Chevy V8 Steel Lifter Galley Restrictors Not for use with Hyd. Cams

29-4001SB Chevy Lifter Valley Screen Kit. Multiple Screens with Epoxy.



29-4002BB Chevy Lifter Valley Screen Kit. 2 Screens and Epoxy.



29-4003Universal Magnet Kit. 4 Each Large and Small with Epoxy.



FASTENERS

OIL PUMP STUDS

Aircraft 8740 chromemoly • Black oxide finished hex head or 12 point.

Part # Application

- 230-7001 SB Chevy Hex Head
- 230-7003 SB & BB Chevy 3.125" length Hex Head
- 230-7002 SB Chevy 12 pt.
- 230-7004 SB & BB Chevy 3.125" length 12 pt.
- 154-7005 Ford Oil Pump Screen Bolts Hex Head



OIL PAN BOLTS & STUDS

Aircraft 8740 chromemoly • Black oxide finished hex head or 12 point.

Part # Application

- 234-1802 SB Chevy - Hex Head
- 234-1801 SB Chevy - 12 PT
- 235-1802 BB Chevy - Hex Head
- 234-1901 SB Chevy Oil Pan Stud Kit



OIL PAN BOLTS KITS

Part # Application

- S1100 Oil Pan Bolt Kit SB Chevy & SB Ford; Plated
- S1101 Oil Pan Bolt Kit BB Chevy & BB Ford FE series; Plated

BULK BOLTS - 50-Pack

• 12 point, 8740 chrome moly, 180,000PSI, black oxide, USA

Part # Application

- 250-0750-50 1/4-20 x .750" Under head length
- 312-0750-50 5/16-18 x .750" Under head length



OIL PANS

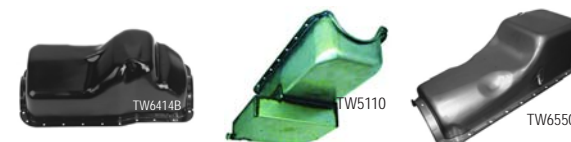


Part # Application

- OP262MV6 Chevy 4.3 Marine 1995-99
- OP350ESB Chevy 1970-79 left dip
- OP350MSB Chevy Marine 1986-96 5-quart
- OP350CSB Chevy 1970-79 left dip-Chrome
- OP454BB Chevy 1965-90 Passenger & Truck
- OP454CBB Chevy 1965-90 Passenger & Truck-Chrome
- OP302AFord 302 pickup & van 87-96
- OP351CFord 351W 1969-79 Passenger Car
- OP350ASB Chevy 1970-79 6-quart with baffle, left dip



OIL PANS



Part # Style/Model Dipstick Year

REBUILDER UNPAINTED STEEL

6500	SB Chevy 4qt - 2 pc rear seal	Drivers Side	55-79
6501	SB Chevy 4qt - 2 pc rear seal	Passenger Side	80-85
6503	SB Chevy 4qt - 1 pc rear seal	Passenger Side	86-up
TW6550	BB Chevy 396-454 w/baffle Mark IV (does not fit Corvette)		65-95
TW6550A	same as above w/extra clearance		65-92
TW6586	Pontiac 301-455		74-81
TW6484	Olds 300-455 (except 1975 400)		all
6513	Ford 260,289,302 (front sump car)		65-87
6514	Ford 351W (front sump car)		all
6514C	Ford 351C, 351M, 400		70-79
TW6561	Ford 390, 406, 427		58-76
TW6560	Ford 429, 460 (front sump car)		68-79
TW6569	Chrysler 273, 318, 340 (car only)		early

NEW BLACK POWDER COATED OEM

TW6400B	Chevy SB 283-400	Drivers Side	64-79
TW6401B	Chevy SB 305-350	Passenger Side	80-85
TW6403B	Chevy SB 305-350 4qt w/o oil level sensor	Passenger Side	86-02
TW6404B	Chevy SB 265, 305, 350 4qt w/ oil level sensor	Passenger Side	91-97
TW6761B	Chevy BB 396,402,454		66-78
TW6742B	Ford 255,289,302 cars only, no baffle		64-80
TW6414B	Ford 302 Bronco, truck,van		80-96
TW6727B	Ford 351 Bronco, truck,van dipstick tube in pan		81-87

STANDARD CIRCLE TRACK UNPAINTED

TW5110	SB Chevy 7 1/4" deep, 2 trap doors, 6 Qt	Drivers Side	55-79
TW5130	SB Chevy 7 1/4" deep, 2 trap doors, 6 Qt	Passenger Side	80-85
TW7106	Pick-up tube (std volume pump)		
TW7107	Pick-up tube (high volume pump)		

CHROME DIP STICKS

Part #	Application	Years
TW6505CP	SB Chevy	thru 1977
TW6534CP	SB Chevy	80-82
TW6522CP	SB Chevy	82-85
TW6538CP	BB Chevy	65-90
TW6541CP	Chrysler 318, 340, 360	all
TW6542CP	Chrysler 383, 426, 440	all
TW6535CP	Ford 260, 289, 302	all
TW6536CP	Olds 350-455	all
TW6537CP	Pontiac all V8 except 389	all



H-BEAM CONNECTING RODS

- Forged from 4340 Steel • Magnafluxed
- Heat Treated • Stress Relieved
- Shot Peened • Weight Balanced +/- 1.5g
- Your Choice of ARP Bolts
- Bronze Bushed Pin Bores • ARP Moly Lube Included



AVAILABLE WITH ARP 2000 OR L19 BOLTS UPGRADE

Application	Length	Rod Journal Size	Pin Bore	Weight (Grams)	Maximum Recommended Horsepower	8740 Bolts Tensile Strength 190,000+ Part #	2000 BOLTS Tensile Strength 215,000+ Part #	L-19 BOLTS Tensile Strength 230,000+ Part #
SB Chevy	5.700"	2.100"	.928"	632	700	10-1000-8	10-1100-8	10-1200-8
SB Chevy	5.700"	2.000"	.928"	640	700	10-1001-8	10-1101-8	10-1201-8
SB Chevy	6.000"	2.100"	.928"	642	700	10-1002-8	10-1102-8	10-1202-8
SB Chevy	6.000"	2.000"	.928"	660	700	10-1003-8	10-1103-8	10-1203-8
SB Chevy	6.125"	2.100"	.928"	720	700	10-11004-8	10-1104-8	10-1204-8
SB Chevy	6.200"	2.100"	.928"	650	700	10-1020-8	10-1120-8	10-1220-8
SB Chevy LS-1 No Offset	6.125"	2.100"	.928"	720	700		10-1108-8	
BB Chevy	6.135"	2.200"	.991"	790	900	10-1005-8	10-1105-8	10-1205-8
BB Chevy	6.385"	2.200"	.991"	809	900	10-1006-8	10-1106-8	10-1206-8
BB Chevy	6.535"	2.200"	.991"	821	900	10-1007-8	10-1107-8	10-1207-8
BB Chevy	6.700"	2.200"	.991"	815	850	10-1025-8	10-1125-8	10-1225-8
BB Chevy	6.800"	2.200"	.991"	820	850	10-1026-8	10-1126-8	10-1226-8
SB Ford	5.400"	2.123"	.912"	604	700	10-1009-8	10-1109-8	10-1209-8
SB Ford	5.400"	2.100"	.928"	604	700	10-1010-8	10-1110-8	10-1210-8
SB Ford	5.400"	2.123"	.928"	604	700	10-1011-8	10-1111-8	10-1211-8
Ford Modular 4.6	5.933"	2.086"	.867"	602	700		10-1112-8	

BOTTOM END

PERFORMANCE CONNECTING RODS

 [Link to Eagle Catalog: www.eaglerod.com](http://www.eaglerod.com)

I-BEAM
• 5140 Steel, 3/8" ARP 8740 capscrew style bolts



Part #	Length	Notes
SB Chevy, Lg Journal		
5700BPLW	5.700"	press fit pin
5700BBLW	5.700"	bushed pin
6000BPLW	6.000"	press fit pin
6000BBLW	6.000"	bushed pin
BB Chevy		
6135P	6.135"	press fit pin
6135B	6.135"	bushed pin
6385B	6.385"	bushed pin
SB Ford		
5090FP	5.090"	press fit pin
5090FB	5.090"	bushed pin
5400CB	5.400"	bushed pin
5956FB	5.956"	bushed pin
BB Ford		
6605FB	6.605"	bushed pin
SB Chrysler		
6123CB	6.123"	bushed pin
6123CP	6.123"	press fit pin



H-BEAM
• 4340 Steel, 7/16" 8740 ARP bolts

Part #	Length	Notes
SB Chevy, Lg Journal		
5700B3D	5.700"	630 grams
6000B3D	6.000"	645 grams
6000B3DL19	6.000"	includes ARP L-19 bolts



H-BEAM (Cont)

BB Chevy

61353D	6.135"	780 grams
63853D	6.385"	785 grams
63853DL19	6.385"	includes ARP L-19 bolts
65353D	6.535"	785 grams
67003D	6.700"	805 grams



Ford 289-351W

5090F3D	5.090"	SBF, 2.125" journal
5400C3D	5.400"	SBF, 2.100" journal
5956F3D	5.956"	351W, 2.310" journal
6200B3D	6.200"	.927" pin, 2.100" journal

Ford Modular 4.6, 5.4

5933F8740	5.933"	
5933F3D	5.933"	w/ARP 2000 bolts
5950F3D	5.950"	for 1.889" journals
6657F3D	6.657"	



BB Ford and FE

6605F3D	6.605"	
67003D	6.700"	.990" pin, for 2.200" rod journal
68003D	6.800"	.990" pin, for 2.200" rod journal
6490F3D	6.490"	
67003D	6.700"	.990" pin, 2.200" rod journal

SB Chrysler

6123C3D	6.123"	695 grams
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BB Chrysler

6358C3D	6.358"	1.094" pin
6760C3D	6.760"	1.094" pin, 2.375" journal
6760B3D	6.760"	.990" pin, 2.375" journal
6760S3D	6.760"	.990" pin, 2.200" rod journal
7100C3D	7.100"	.990" pin, 2.200" rod journal



H-BEAM CONNECTING RODS



Catalog: www.oliverconnectingrods.com

Application	Lengths	Pins
Chevy Small Block Standard Weight Billet Rods	5.700 to 6.400,	2.000 & 2.100
Chevy Super Speedway Billet Rods	5.585 to 6.300,	2.100
Chevy Small Block Ultra Light Billet Rods	5.700 to 6.300,	1.889, 2.000, 2.100
Chevy Sport Lite Billet Rods	5.700 to 6.250,	1.889, 2.000, 2.100
Chevy Ls Series Standard Weight Billet Rods	6.098 to 6.125,	2.100
Chevy/Svo Billet Rods(Offset For Ford Block)	5.400 & 6.200,	2.000 & 2.100
Chevy Big Block Billet Rods	6.135 to 6.800,	2.100 & 2.200
Chevy Big Block Billet Rods Max	385 to 6.800,	2.200
Chevy Big Block Billet Tall Deck Rods	7.000 to 8.000,	2.200
Ford Small Block Ultra Light Billet Rods	5.400 to 6.657,	2.000, 2.124, 2.086
Ford Big Block Billet Rods	6.800,	2.200
Mopar Big Block Billet Rods	Hemi	
Viper	6.250,	2.124
Sport Compact	4 Cylinder	

CONNECTING RODS



Catalog: www.scatterprises.com

I-BEAM CHEVY PRO COMP 4340 FORGED

- With 8740 ARP 7/16" cap screw bolts
- Profiled for stroker



Part #	Length	Journal Size	Notes
2-ICR5700-7/16	5.700	2.100	Bushed Pin
2-ICR6000-7/16	6.000	2.100	Bushed Pin
2-ICR6125-7/16	6.125"	2.100"	Bushed
2-ICR6200-7/16	6.200"	2.100"	Bushed
2-ICR6100-927	6.100"	2.100"	Bushed

I-BEAM CHEVY PRO STOCK 4340 FORGED

- With 8740 ARP 3/8" cap screw bolts



Part #	Length	Journal Size	Notes
3-ICR5700P	5.700	2.100	Press Fit Pin
3-ICR5700	5.700	2.100	Bushed Pin
3-ICR6000P	6.000	2.100	Press Fit Pin
3-ICR6000	6.000	2.100	Bushed Pin

H-BEAM CHEVY PRO SPORT 4340 FORGED

- With 8740 ARP 8740 7/16" cap screws



Part #	Length	Journal Size	Notes
2-350-6000-2100	6.000"	2.100"	Bushed
2-350-6125-2100	6.125"	2.100"	Bushed
2-350-6250-2100	6.250"	2.100"	Bushed

CONNECTING ROD DEPARTER

Rod Departer protects stock and performance rod alignment dowels. For use with rods having housing bore from 1.880" to 2.800"..

Order #RD1000



ZDDP LUBES

Contains Blend of Lubricating Solids Including ZDDP and EP Additives



Part#	Description
40-1000	ZDDP + moly, 10oz paste, brush top. For: fasteners
40-1100	ZDDP with hi-pressure package, 8 oz liquid, flip-top.

CONNECTING ROD BOLTS



Catalog: <http://arp-bolts.com>



Part #	Application
STANDARD	
134-6001	Small Journal SB Chevy
134-6002	400 Chevy
134-6003	Large journal SB Chevy
134-6005	Chevy 350 PM Rod 96 LT1/LT
134-6006	SB Chevy LS1 hi-perf "Cracked Rod"
135-6002	BB Chevy 3/8"
135-6001	BB Chevy 7/16"
154-6002	Ford 289-302 Std 5/16"
154-6003	Ford 351C
154-6001	Ford 351-400
150-6004	Ford Boss, 351W-460
155-6002	Ford 330-428 FE
144-6001	SB Chrysler
145-6002	BB Chrysler
190-6001	Pontiac, except 301 & 455 SD
184-6001	350 Oldsmobile
185-6001	455 Oldsmobile



WAVE-LOC	
134-6403	Large journal SB Chevy
135-6401	BB Chevy 7/16"
135-6402	BB Chevy 3/8"
150-6404	Ford Boss, 351W-460

PRO SERIES	
234-6403	Large Journal SB Chevy
235-6402	BB Chevy 3/8"
235-6401	BB Chevy 7/16"
250-6404	Ford Boss 351W-46



LATE MODEL ROD BOLTS



Cap Screw Rod Bolts for Late Model Applications. Packaged 16 to a box.



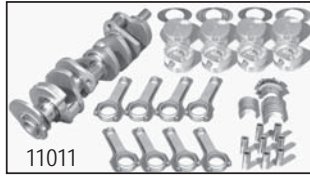
Part#	Application
RB-LS1	GEN III GM 4.8-6.0 V8- SPS latest design
RBF-046	Ford Modular - 4.6 V8 1991-92
RBF-4.6-L	Ford Modular - 4.6/5.4 V8 1993-on with sleeve

Remanufactured Connecting Rods Available

ROTATING ASSEMBLIES



XXX = Bore Size.
Order size as:
000, 020, 030, 040, 060



Part #	Cu. In.	Stroke	Description	Compression Ratio	
				64CC	76CC
SB Chevy					
12020xxx	357	3.500"	SRP flat top, 6.0" rod	10.3	9
12007xxx	383	3.750"	SRP inv. dome, 5.7" rod	9.8	8.7
12075xxx	383	3.750"	Mahle -5cc flat top, 3.750" rod	10.5	9.3
12008xxx	383	3.750"	Mahle flat top, 5.7" rod	11	9.7
12503xxx	406	3.750"	SRP flat top, 6.0" rod	11.6	10.2
				112CC	118CC
BB Chevy					
11012xxx	489	4.250"	Mahle +18cc dome , 6.385" rod	10.7	10.2
11013xxx	489	4.250"	Mahle +43cc dome , 6.385" rod	13.8	12.7
11011xxx	489	4.250"	SRP flat top, 6.385" rod	9.5	9.1
11614xxx	540	4.250"	SRP 10CC-dome, 6.385" rod	10.8	10.3
				60CC	70CC
SB Chrysler					
20102xxx	408	4.000"	SRP inv. dome, 6.123" rod	10.7	9.7
				72CC	84CC
BB Chrysler					
21201xxx	493	4.150"	SRP flat top, 6.670" rod	12.4	11.1
				58CC	64CC
SB Ford					
14006xxx	332	3.250"	SRP flat top, 5.40" rod	10.1	9.4
14003xxx	347	3.400"	SRP flat top, 5.40" rod	10.8	10
14004xxx	347	3.400"	SRP inv. dome, 5.40" rod	9.9	9.3
14121xxx	383W	3.750"	SRP inv. dome, 6.250" rod	8.9	8.5
14124xxx	408W	4.000"	SRP inv. dome, 6.200" rod	9.8	9.3
				72CC	84CC
BB Ford					
15011xxx	521	4.300"	Mahle flat top, 6.8" rod	12.9	11.5

BALANCED ROTATING ASSEMBLIES



B13004E balanced



XXX = Bore Size. Order size as:
000, 020, 030, 040, 060

BALANCED STREET ROTATING ASSEMBLIES

Part #	Cu. In.	Stroke	Description	Compression Ratio	
				64CC	76CC
SB Chevy Internally Balanced					
B13403Exxx	355	3.480"	-10CC inv. Dome, 5.7" rod	9.3	8.3
B13402Exxx	355	3.480"	Flat top, 5.7" rod	9.8	8.7
B13454Exxx	383	3.750"	-12CC inv. Dome, 5.7" rod	9.9	8.8
B13455Exxx	383	3.750"	Flat top, 5.7" rod	10.7	9.4
				64CC	76CC
SB Chevy Externally Balanced w/ flexplate & balancer					
B13404Exxx	383	3.750"	-12CC inv. Dome, 5.7" rod	9.9	8.8
B13405Exxx	383	3.750"	Flat top, 5.7" rod	10.7	9.4
				112CC	118CC
BB Chevy Externally Balanced w/ flexplate & balancer					
B18400xxx	454	4.000"	Flat top, 6.135" rod	8.4	8.1
B18401xxx	454	4.000"	22CC dome, 6.135" rod	10.1	9.6

BALANCED STREET & STRIP ROTATING ASSEMBLIES

Part #	Seal	Description	Compression Ratio		
				64CC	76CC
383 Chevy					
B13004Exxx	2-piece	KB -18CC inv. dome, 5.7" rod	9.7	8.7	
B13004Lxxx-53	1-piece	KB -18CC inv. dome, 5.7" rod	9.7	8.7	
B13005Exxx	2-piece	KB Flat top, 5.7" rod	10.9	9.6	

NEW CRANKSHAFTS

CAST STEEL CRANKSHAFTS



Part #	Engine	Stroke	Seal & Balance
Chevrolet			
103503480	350	3.48	2-pc, internal
103503480CM	350	3.480"	2 pc, IMCA legal, no holes, .125" radii
103503750	*350-383	3.75	2-pc, external
104003750	*400	3.75	2-pc, external
103523750	*350-383	3.75	1-pc, external
104544000	454	4.00	2-pc, external
Ford			
103023250	302-331	3.25	NA, external
103023400	302-347	3.40	NA, external
104604140	460-501-514	4.14	NA, internal
Pontiac			
104004250	400-461	4.25	(6.625" Pontiac rod)
104554210	455	4.21	(6.625" Pontiac rod)
104554250	455-468	4.25	(6.800", 2.200" rod)

* 5.7 connecting rods or longer

Cast steel cranks are available for many more applications!

FORGED 4340 STEEL CRANKSHAFTS

Part #	Engine	Stroke	Seal, Rod
SB Chevrolet			
435034805700	350	3.48	2-pc, 5.700
43053480SPRINT	350	3.48	2 pc, round rear flange
435034805700	350	3.48	2-pc, 5.700
435037505700	350-383	3.75	2-pc, 5.700
435337505700	350-383	3.75	1-pc, 5.700
435036255700	350-362	3.625	2-pc, 5.700
440034805700	400-377	3.48	2-pc, 5.700
434636226100	LS1	3.62	1-pc, 6.100
434639006100	LS1	3.90	1-pc, 6.100
434640006100	LS1	4.00	1-pc, 6.100
440037505700	400	3.75	2-pc, 5.700
440038756000	400-421	3.85	2-pc, 6.000
440040006000	400-434	4.00	2-pc, 6.000
BB Chevrolet			
445440026135	454	4.00	2-pc, 6.135
445442526385 ¹	454-489	4.25	2-pc, 6.385
445442546385	454-489	4.25	2-pc, 6.385
Ford			
430234005400	302-347	3.40	na, 5.400
430232505400	302-331	3.25	na, 5.400
435140006200	351W-408	4.00	na, 6.200
Chrysler			
444237506760 ²	440	3.752	na, 6.760
444241506760 ²	440-499	4.152	na, 6.760

Part #	Engine	Stroke	Seal, Rod
430234005400	302-347	3.40	na, 5.400
430232505400	302-331	3.25	na, 5.400
435140006200	351W-408	4.00	na, 6.200

Part #	Engine	Stroke	Seal, Rod
444237506760 ²	440	3.752	na, 6.760
444241506760 ²	440-499	4.152	na, 6.760

Notes: 1. Center Counter Weight 2. 8-Bolt Flange

CRANK SEAL ADAPTERS



Adapts 2-piece rear main seal cranks to late style
1-piece rear seal blocks.
Precision machined billet aluminum.

Part #	Application
RSH349	SB Chevy with early style pan
RSH350	SB Chevy with late style pan
500	BB Chevy-use late style oil pan



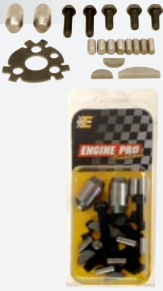
PERFORMANCE HARDWARE

HARDWARE KITS

Dowels, cam & oil filter bolts, woodruff keys, camshaft lock plate

Part # Application

- 29-1000SB Chevy 1957-86
- 29-1001BB Chevy 1967-91
- 29-1200Chrysler V8 350, 361, 383, 400, 426, 426 Hemi, 440



BELLOUSING TO BLOCK DOWELS

These +.400" extra long solid steel dowels total 1.550" in length.

Part # Application

- 29-2000-2 SB and BB Chevrolet V8 1957-on (one pair)



BLOCK FASTENERS

MAIN STUD KITS

8740 chromemoly steel with nuts and washers. Rated at 190,000 psi.

Part # Application

- 134-5401SB Chevy w/o windage tray 2-bolt
- 234-5501SB Chevy with windage tray 2-bolt
- 134-5501Small Journal SBC with wind. tray 2-bolt
- 134-5601SB Chevy w/o windage tray 4-bolt
- 234-5601SB Chevy with windage tray 4-bolt
- 234-5608SB Chevy LS1 cast iron
- 234-5606400 Chevy with windage tray 4-bolt
- 135-5601BB Chevy w/o windage tray 4-bolt
- 235-5701BB Chevy with windage tray 4-bolt
- 154-5401SB Ford 2-bolt
- 254-5501SB Ford with windage tray
- 154-5403Ford 351W 2-bolt
- 155-5402Ford 460 2-bolt
- 240-5501Chrysler V8 with windage tray
- 194-5601Pontiac V8 4-bolt
- 185-5401Olds 455 2-bolt



MAIN BOLT KITS

- Heat treated chromemoly steel
- Rated at 170,000 psi.

Part # Application

- 134-5001SB Chevy large journal 2-bolt
- 134-5202SB Chevy large journal 4-bolt
- 135-5002BB Chevy 2-bolt
- 135-5201BB Chevy 4-bolt
- 156-5401Ford Modular 4.6L 2V 2-bolt
- 156-5402Ford Modular 4.6L 4V 2-bolt
- 154-5001SB Ford 2-bolt
- 155-5202Ford 429-460
- 140-5001Chrysler V8



FLEXPLATE & TORQUE CONVERTER BOLTS

- 100-2901Chevy 2-Piece/Ford 7/16"
- 200-2906Chevy 1-Piece seal
- 200-2904Pontiac 1/2"

CONVERTER BOLTS

- 230-7301TH350 w/ 11" conv. 3/8x24
- 230-7302TH400 w/ 10" conv. With tabs 7/16"
- 230-7303TH350, 400, 200 R4 10" conv. 7/16"



FLYWHEELS & FLEXPLATES



SFI APPROVED FLEXPLATES

Pioneer Performance heavy duty flexplates are manufactured on their own tooling, not an import rebox item. They meet SFI Certification 29.1 for racing applications.

Part # Dia Teeth Application Notes

Chevy

- 871001 14.13" 168 2-piece rear seal w/o weight
- 871002 14.13" 168 400 w/weight
- 871003 14.13" 168 70-90 454 w/weight
- 871004 12.85" 153 2-Pc rear seal w/o weight. Powerglide & Turbo 350
- 871006 14.13" 168 86-97 V6 & SB V8 w/weight
- 871008 14.13" 168 91-97 454 Gen V & VI w/weight
- 871010 12.85" 153 86-97 V6 & SB V8 w/weight. Turbo 350 bolt Pattern



Ford

- 871009 13.30" 157 68-76 302 & 351W w/weight. 10.5" Converter bolt circle. 28oz weight.

AUTOMATIC TRANSMISSION FLEXPLATES

Many MORE applications available.

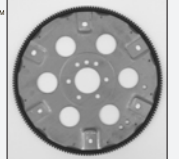
Part # Application

Buick

- 32-101 Buick V8 300-340-350 1964-71, 1976-80

Chevy

- 32-100 Chevy SB 168 Tooth, V8 & L6 Internal balance 1967-85
- 32-100HD Heavy Duty Version of FRA-100
- 32-104 Chevy 400 External Balance
- 32-104HD Heavy Duty Version of FRA-104
- 32-112 GM Passenger & Truck, 153 Tooth, L4, L6, V6 & V8 1969-85
- 32-105 GM V6 231 3.8L 75-77
- 32-159 Chevy Police & Truck 4.3L & 5.0L 1986-92
- 32-160 Chevy Passenger & Truck 4.3L, 5.0L & 5.7L 1986-89



Ford

- 32-203 Ford 289-302 1964-76
- 32-214 Ford 255 & 302 Passenger & Truck 1980-89
- 32-224 Ford 428 with C6 1966-70

Jeep

- 32-107 Jeep 232 74-75

Olds

- 32-109 Olds 307,350,403,455 68-78

Pontiac

- 32-103 Pontiac V8 1965-70



FLYWHEEL RING GEARS

Many sizes available.

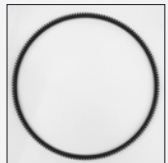
Part # Application

GM

- 33-153N 1962-72 153 Tooth 6-8 Cylinder with Powerglide
- 33-168S 1955-89 168 Tooth 4-6-8 Cylinder Standard Trans.
- 33-197B 1958-88 197 Tooth V8 Truck Standard Trans.

Ford

- 33-164N 1965-90 164 Tooth 6-8 Cylinder Standard Trans.
- 33-157N 1962-89 157 Tooth 6-8 Cylinder Standard Trans



STANDARD TRANSMISSION FLYWHEELS

Many MORE applications available.

Part # Application

Chevy

- 34-100 B V8 & L6 Internal balance
- 34-101 454 External Balance
- 34-102 400 External Balance

Ford

- 34-116 Ford Mustang 5.0L 1986-94



PERFORMANCE BALANCERS



CLAIMER

Claimer series balancers are superior to OE balancers in material and design.

STREET

Street performance balancers offer bonded technology, eliminating separation and spinning to 6500 RPM and etched timing marks. Great for race classes requiring an OE type balancer.



S.F.I. APPROVED

RACE SFI APPROVED

Race series balancers offer the advantage of a bonded balancer to high revving race and street applications where an SFI rating is required. Steel inertia ring protects against backward movement.

SC-Supercharger conversion, SFI, Dual key, drilled for factory & 6-bolt Gilmer pulleys or 8-rib serpentine

Harmonic Balancer Application

Diameter	Depth	Width	Balance	CLAIMER weight (lbs)	STREET weight (lbs)	RACE weight (lbs)
Chevrolet						
283, 307	6 1/4"	Street Stock	Speedway Light Weight	PB1012-N	PB1012-ST	PB1012-SS
6.1	2.36	1.34	Neutral	4.55	4.55	5.8
283, 307	6 1/4"	Light Weight	to suit big block snout			PB1160-SS
6.1	2.36	1.34	Neutral			8.5
283 - 350	Small Block	V-8	7"	PB2221-N	PB2221-ST	PB2221-SS
6.1	2.36	1.32	Neutral	7.9	7.9	8.1
283 - 350	Small Block	V-8	7" Supercharger			PB2221-SCN
6.75	2.36	1.32	Neutral			8.1
283 - 350	Small Block	V-8	7" to suit Big Block crank snout			PB1161-SS
6.75	2.36	1.32	Neutral			8.1
283 - 350	Small Block	V-8	8"	PB1046-N	PB1046-ST	PB1046-SS
8	2.33	1.6	Neutral	10.4	10.4	11.2
400	Small Block	V-8	8"	PB1050-N	PB1050-ST	PB1050-SS
8	2.33	1.6	C/W Ring	7.9	7.9	10.7
400	Small Block	V-8	7" Light Weight			PB1118-SS
7	2.33	1.6	C/W Ring			7.8
427	Big Block	V-8	8"	PB1211-N	PB1211-ST	PB1211-SS
8	2.68	1.95	Neutral	13.2	13.2	15.4
454	Big Block	V-8	8"	PB1018-N	PB1018-ST	PB1018-SS
8	2.68	1.95	C/W Hub	15.1	15.1	16.8
454	Big Block	V-8	8" Supercharger			PB1018-SC
8	2.68	1.95	C/W Hub			16.8
454	Big Block	Light Weight	Neutral Balance		PB1019-ST	PB1019-SS
7.1	2.68	1.42	Neutral		8.9	9.7
454	Big Block	Light Weight	Neutral Balance, Supercharger			PB1019-SC
7.1	2.68	1.42	Neutral			9.7
350(5.7L)	Small Block	LT1 1993-97	crank flange mount serp. belt			PBU1481-SS
7.5	N/A	1.28	Neutral			8.37
350 (5.7L)	LT1 Small Block	10% Underdrive	6.750" OD serp. belt			PBU1481-SS10
6.75	N/A	1.28	Neutral			8.37
350	LT1 Small Block	8 rib serp belt, supercharger conversions				PB81481-SC
7.5	N/A	1.34	Neutral			6.4
350	LT1 Steel Crank Flange	(short style) suit F body 96-97, 96 Corvette				FHXS1481-SS
Replaces OEM 12550097 Length 3.417 use with PB1481-SS, PBU1481-SS and PB81481-SS						
350	LT1 Steel Crank Flange	(short style) suit F body 93-95, vette 92-95				FHS1481-SS
Replaces OEM 10168570 Length 4.09 use with PB1481-SS, PBU1481-SS and PB81481-SS						
350	LT1 Steel Crank Flange	(short style) suit F body Caprice & Impala 93-95				FHL1481-SS
Replaces OEM 10168570 Length 4.09 use with PB1481-SS, PBU1481-SS and PB81481-SS						
LS1	Gen 3 all alloy	5.7L V-8 (Camaro/Firebird)	Serp. Belt	PB1480-N	PB1480-ST	PB1480-SS
7.5	3.66	2.22	Neutral		10.5	11.2
LS1	5.7L V-8	Serp Belt	10% Under Drive 6.81" OD			PBU1480-SS10
6.81	3.66	2.2	Neutral			10.9
LS1	5.7L V-8	Serp belt	25% Under Drive 6.81" OD			PBU1480-SS25
6.22	3.86	2.48	Neutral			10.7
LS1	5.7L V-8	8 Rib Serp Belt	Suit Supercharger Conversions			PB81480-SC
7.5	3.88	2.46	Neutral			11.4
LS1	5.7L V-8	8 Rib Serp Belt,	10% overdrive, Supercharger			PBO81480-SC10
7.5	3.88	2.46	Neutral			11.4
LS6	5.7L, LS2	6.0L, LS3	6.2L V-8 Serp Belt Corvette, SSR			PB1117-SS
7.5	2.83	2.42	Neutral			8.55
LS6	5.7L, LS2	6.0L, LS3	6.2L V-8 Serp Belt Corvette, SSR, 10% Underdrive			PBU1117-SS10
6.75	2.83	2.42	Neutral			7.61

Harmonic Balancer Application

Diameter	Depth	Width	Balance	CLAIMER weight (lbs)	STREET weight (lbs)	RACE weight (lbs)
Chevrolet (Cont)						
LS6	5.7L, LS2	6.0L, LS3	6.2L V-8 Serp Belt Corvette, SSR, 25% Underdrive			PBU1117-SS25
6.22	2.83	2.42	Neutral			7.4
LS6	5.7L, LS2	6.0L, LS3	6.2L V-8 8 Rib Serp Belt Corvette, Sprchrgr Convsns			PB81117-SC
5	2.83	2.42	Neutral			8.55
LS6	5.7L, LS2	6.0L, LS3	6.2L V-8 8 Rib Serp Belt Corvette, 10% overdrive, Sprchrgr			PBO81117-SC10
5	2.83	2.42	Neutral			8.55
99-08	4.8/5.3/6.0L	Silverado, Sierra SUV and 06-07 Trailblzr	SS 25% Underdrive			PBU1190-SS25
6.22	4.53		Neutral			11.75
99-08	4.8/5.3/6.0L	Silverado, Sierra SUV and 06-07 Trailblzr	SS 10% Overdrive Supercharger			PBO81190-SC10
6.22	4.53		Neutral			11.75
LS7	7.0L V-8	Serp Belt	Corvette Z06			PBU1503-SS
7.64	2.64		Neutral			9.74
LS7	7.0L V-8	Serp Belt	Corvette Z06, 10% overdrive Supercharger			PBO81503-SC10
7.64	2.64		Neutral			9.74
LS3	2010 Camaro	6.2L Manual L99 Auto, 8 Rib, 10% overdrive, Supercharger				PBO81190-SC10
7.5	4.53		Neutral			11.75
Chrysler						
318	340	Small Block			PB1004-ST	PB1004-SS
7.11	2.56	1.2	Neutral		7.7	9.4
360	V-8	C/W		PB1108-N	PB1108-ST	PB1108-SS
7.26	2.56	1.2	C/W Ring		7.7	9.4
392	Big Block	Hemi			PB1115-ST	PB1115-SS
7.08	2.49	1.1	Neutral		7.7	9.1
440	Big Block	Steel Crank		PB1112-N	PB1112-ST	PB1112-SS
7.24	2.56		Neutral		7.7	9.4
5.7L	Hemi	300C, Daylona Ram Truck	8 Rib Serpentine Belt			PB1375-SS
6.85	3.98		Neutral			7.76
5.7L, 6.1L	SRT Hemi	300C, Daylona	25% Underdrive			PBU1375-SS25
6.89	3.7		Neutral			6.84
Ford 4 Cylinder						
Focus	25%	Underdrive				PBU1155-SS25
4.06	1.42	0.98	Neutral			2.43
Ford V-8						
302, 351	Cleveland	V-8		PB1082-N	PB1082-ST	PB1082-SS
6.5	3.5	1.39	C/W Hub		9.3	10.9
289, 302	Windsor	3 Bolt (countersunk pulley Location)		PB1008-N	PB1008-ST	
6.33	3	0.77	C/W Hub			6.6
289, 302	Windsor	3 Bolt (Raised Pulley Location)			PB1202-ST	
6.33	3.45	0.77	C/W Hub			6.7
302, 351	V-8	3 Bolt (Raised Pulley Loc) 28oz. in.		PB1203-N	PB1203-ST	PB1203-SS
6.5	3.18	1.39	C/W Hub		9.2	10.9
302, 351W	V-8	3 Bolt (Countersunk Pulley Location) 28oz. In.		PB1009-N	PB1009-ST	PB1009-SS
6.5	3.18	1.39	C/W Hub		9.1	10.9
302, 351	Windsor	4 Bolt (Raised Pulley Location) 28oz. In.		PB1060-N	PB1060-ST	PB1060-SS
6.5	4.09	1.25	C/W Hub		10.1	11.4
302	Windsor	EFI V-8	4 Bolt 50oz. In.	PB1084-N	PB1084-ST	PB1084-SS
6.4	4.13	1.57	C/W Hub		9.1	10.9
302	Windsor	4 Bolt Hub Counter Weight Ring		PB1070-N	PB1070-ST	
6.4	4.13	1.57	C/W Ring			9.1
5.8L	EFI	V-8	4 Bolt	PB1214-N	PB1214-ST	
6.4	4.08	1.2	C/W Ring			9.2
5.0L	EFI	Windsor	With Factory Crank Trigger (AU Falcon)	PB1463-N	PB1463-ST	
6.38	4.05	1.48	C/W Ring			9.6
Windsor	Small Block	6" Stock	Speedway Lightweight 3 Bolt		PB1479-ST	PB1479-SS
5.9	3.1	1.26	Neutral		6.6	5.9
302, 351	Windsor	Neutral Balance	Lightweight 4 Bolt		PB1086-ST	PB1086-SS
6.37	4.13	1.57	Neutral			8
390	Big Block	FE V-8	Internal Balance		PB1111-ST	PB1111-SS
7	1.574	1.102	Neutral		7.7	8.9
460	Big Block	V-8	Internal Balance		PB1210-ST	PB1210-SS
6.62	1.62	1.37	Neutral		8.32	9.6
Note: The PB1210-SS can be used on externally balanced 460 with factory winged counterweight						
4.6L	V-8	Mustang, Crown Victoria			PB1478-ST	PB1478-SS
6.75	1.75	1.25	Neutral		6.8	7.8
4.6L	V-8	Mustang, Crown Vic	8 Rib Serpentine Belt Supchrgr Convsns			PB81478-SS
6.75	1.75	1.25	Neutral			7.8
5.4L	V-8	Modular Mustang, Falcon BA	Serpentine Belt		PB1116-ST	PBU1116-SS10
7.05*	2.32	1.83	Neutral		9.03	9.1
* Race balancer is 6.35 in. diameter for 10% underdrive						
5.4L	V-8	Modular Mustang, Falcon BA				PBK116-SS25
7.05	2.32	1.83	Neutral -- 25% Underdrive			Race Balancer & Water Pump Pulley Kit

PERFORMANCE BALANCERS (cont)

Harmonic Balancer Application				CLAIMER	STREET	RACE
Diameter	Depth	Width	Balance	weight (lbs)	weight (lbs)	weight (lbs)
General Motors 3800 V-6						
3.8L V-6 Series 1&2 Suit Carb & 8 Rib Supercharger Conversion					PB1083-ST	PB081083-SC5
7.28	3.45	2.26	C/W Hub			10.38
3.8L V-6 L Series 3 Suit Carb & 8 Rib Supercharger Conversion					PB1207-ST	PB081207-SC5
7.28	3.45	2.26	C/W Hub	10.38		10.38
3.8L V-6 L36&L67 Supercharged 5% Overdrive on S/C Pulley 8 Rib						PB081461-SC5
7.28	3.45	2.26	C/W Hub			11.83
3.8L V-6 L36&L67 Supercharged STD Diameter on S/C Pulley 8 Rib						PB81461-SS
6.94	3.45	2.26	C/W Hub			10.5
3.8L V-6 L36&L67 Suprchgd STD Dia S/C Pulley 8 Rib Neutral Balance						PB081197-SC5
7.28	3.45	2.26	Neutral			9.78
3.6L High Feature OHC V-6 LY7, LLT 20% Underdrive						PBU1177-SS20
6.77	2.36		Neutral			6.84
Pontiac						
287 to 455 CID V-8				PB1056-N	PB1056-ST	PB1056-SS
6.79	3.24	1.26	Neutral		6.8	10.4
GTO 5.7L LS1, 6.0L LS2 V-8 Serp Belt					PB1480-ST	PB1480-SS
7.5	2.25	1.37	Neutral		10.5	11.2
GTO 5.7L LS1, 6.0L LS2 10% Underdrive						PBU1480-SS10
6.75	2.25	1.37	Neutral			9.9
GTO 5.7L LS1, 6.0L LS2 25% Underdrive						PBU1480-SS25
6.22	2.13	1.37	Neutral			9.9
G8 L98 6.0L, LS3 6.2L V-8 Serp Belt						PB1117-SS
7.5	2.83	2.42	Neutral			8.55
G8 L98 6.0L, LS3 6.2L V-8 Serp Belt 10% Underdrive						PBU1117-SS10
6.75	2.83	2.42	Neutral			7.61
G8 L98 6.0L, LS3 6.2L V-8 Serp Belt 25% Underdrive						PBU1117-SS25
6.22	2.83	2.42	Neutral			7.4
G8 L98 6.0L, LS3 6.2L V-8 Serp Belt 8 Rib Suit Supercharger Conversions						PB81117-SS
7.5	2.83	2.42	Neutral			8.55
Nissan						
200SX 94-on SR20 DET 25% Under drive						PBU1104-SS25
5.16	2.56	2.28	Neutral			6.68
Sylvia CA18 DET 25% Underdrive						PBU1504-SS25
5.98	2.6		Neutral			7.05
Subaru						
WRX EJ20 97-2000 25% Underdrive						PBU1164-SS25
4.02	1.93	1.48	Neutral			3.37

PERFORMANCE BALANCERS



Part #	Application	Part #	Application
870001	SB Chevy 6.3"	870002	SB Chevy 7"
870003	400 Chevy ext. bal. 7.92"	870004	BB Chevy 6.3"
870005	BB Chevy 7"	870006	454 Chevy ext. bal. 7.92"
870012	SB Chrysler 7.17"	870009	BB Chrysler 7.17"
870007	SB Ford ext. bal. 6.3"	870010	SB Ford 6.29"
870014	SB Ford 5.0L HO ext. bal. 6.3"	870008	BB Ford 7.17"
870018	Pontiac V8 6.29"		

TIMING COVERS



Part #	Application
08-8001	SB Chevy 1965-90 - High Quality Reinforced Steel
08-8002	SB Chevy 1965-90 - Aluminum w/ cap screws

TIMING COVER STUD KIT

- 70,000PSI Black Oxide studs • zinc coated undersized head.
- Works with stamped and aluminum

29-4006SB Chevy 1965-90 timing covers.

BULK BOLTS

- 12-point head • 8740 Chrome Moly • 180k PSI • Black Oxide
- 250-0750-50... 1/4"-20 x .750"UHL



BALANCER BOLTS

- 4340 steel, 1" hex head, rolled threads, integral washer, black oxide finish.



Part #	Description	Dimensions
06-1200	SB Chevrolet	7/16" NF thread x 1-7/8"
06-1201	BB Chevrolet	1/2" NF threads x 1-5/16"

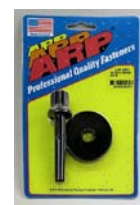
BALANCER BOLTS



170,000 psi
1/4" thick wide area washer.
Black oxide finish.



Part #	Application
134-2501	SB Chevy, 5/8" hex
234-2501	SB Chevy, 13/16" hex
234-2503	LS1, LS6 5.7L & 6.0L
135-2501	BB Chevy, 5/8" hex
235-2501	BB Chevy, 13/16" hex
150-2501	Most Ford, 5/8" hex
154-2501	Ford 351C, 5/8" hex
156-2501	Ford 4.6l, 18mm hex
245-2501	Chrysler, 3/4" hex
190-2501	Pontiac, 5/8" hex



BALANCER BOLTS



140,000 PSI and include a thick wide area washer.



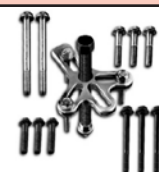
Part #	Dimensions	Application
859012	7/16" X 2.250"	SB & 4.3 V6 Chevy, 5/8" hex
859013	1/2" X 1.50"	BB Chevy, 13/16" hex
HBB-302	5/8" X 2"	Most Ford, 15/16" hex

TIMING POINTERS

- CNC Billet Aluminum
- Black Anodized
- 4 Degrees Adjustment
- Stainless Mounting Hardware



Part #	Application	Balancer Diameter
14-61900	SB Chevy	6 1/8"
14-61905	SB Chevy	6 1/4"
14-61907	SB Chevy	6 3/8"
14-61910	SB Chevy	6 3/4"
14-61911	SB Chevy	7 1/4"
14-61915	SB Chevy	.8"
14-61918	BB Chevy	6 1/4"
14-61919	BB Chevy	.7"
14-61920	BB Chevy	7 1/4"
14-61922	BB Chevy	.8"
14-61930	SB Ford 302-351W-Adjustable	6 1/4" to 6.700"



HARMONIC BALANCER PULLER #4600

- Range: 1-3/8" - 3-9/16"
- Contains: (2) 3/8" - 16 x 4", (3) 3/8" - 24 x 2", (3) 5/16" - 18 x 2", and (3) M8 x 1.25 x 80mm.



PERFORMANCE BLOCKS

Part # _____ Application

LITTLE M

Siamese bores, priority main oiling, 4-bolt main caps with splayed bolts and are machined for 2-piece rear main seal.

Small Block Chevy w/ Steel Main Caps

31131111	350 mains, 4" bore
31131211	350 mains, 4.125" bore
31132211	400 mains, 4.125" bore

**Small Block Chevy w/ Ductile Iron Caps**

31151111	350 mains, 4" bore
31151211	350 mains, 4.125" bore
31152111	400 mains, 4.000" bore
31152211	400 mains, 4.125" bore

Also Available:
Little M Pro Series
with special
racing options

BIG M

Siamese cylinders, 4-bolt Main Caps with splayed bolts, lifter valley stud bosses, MKIV style lifter bosses, stepped oil galley.

Big Block Chevy w/ Steel Main Caps

31263344	4.25" bore; 9.8" deck
31263354	4.25" bore; 10.2" deck
31263444	4.50" bore; 9.8" deck
31263454	4.50"; 10.2" deck
31263644	4.60" bore; 9.8" deck
31263654	4.60" bore; 10.2" deck

**Big Block Chevy w/ Ductile Iron Main Caps**

31273344	4.25" bore; 9.8" deck
----------	-----------------------

IRON EAGLE

Cast iron Block, stroker crank clearance, priority oiling, 1/2" head bolt bosses, 1-piece ('83 on) rear Main seal housing and all the stock pieces bolt on!

FORD 302 Mains w/ Steel Main Caps

31384175	4 bore; 8.2" deck
31384185	4" bore; 8.7" deck
31384195	4" bore; 9.2" deck
31384275	4.125" bore; 8.2" deck
31384285	4.125" bore; 8.7" deck
31384295	4.125" bore; 9.2" deck

**FORD 351C Mains w/ Steel Main Caps**

31385195	4" bore; 9.2" deck
31385135	4" bore; 9.5" deck
31385295	4.125" bore; 9.2" deck
31385235	4.125" bore; 9.5" deck

**SHP ENGINE BLOCKS**

• Cast Iron • Clearanced for 3.75" stroke • '81 pan • OE bolt holes

350 Mains

31161111	2-piece rear seal	4.000"
31161211	2-piece rear seal	4.125"
31161111L	1 piece style rear seal	4.000"
31161211L	1 piece style rear seal	4.125"

**SHP PRO ENGINE BLOCKS**• Cast Iron • Billet main caps • BBC cam bore • .904" lifter bores
• Clearanced for 3.75" stroke • '81 pan • OE bolt holes

31161112	2 piece style rear seal	4.000"
31161212	2 piece style rear seal	4.125"

PERFORMANCE HARDWARE KITS

Dowels, bolts, keys, plate



Part #	Application
29-1000	SB Chevy 1957-86
29-1001	BB Chevy 1967-81
29-1200	Chrysler V8



BELL HOUSING DOWELS

SOLUTIONS

Part #	Application
DP-4.3	GM GEN III, V8 & V6
DP-283	Ford V8



HARDWARE KITS

These kits include dowels, keys and bolts.

Dura-Bond
A MELLING COMPANY



Kit #	Application
FKC-1	GM 283-400 SB; 348 & 409
FKC-1A	GM 305 & 350 w/seal housing
FKC-2	GM V6 4.3 1985-86
FKC-2A	GM V6 4.3 roller cam
FKC-2B	GM V6 4.3 with balance shaft
FKC-3	GM 396-454 Big Block
FKF-1	Ford 289-351W
FKF-1A	Ford 302-351W w/seal housing
FKF-2	Ford FE 332-428
FKF-4	Ford L6 240-300
FKP-1	Chrysler 273-360 1964-2005
FKP-2	Chrysler 361-440 1958-78 with single bolt cam



MAIN CAP CONVERSIONS

4-BOLT MAIN CAP CONVERSION

Part # _____ Application

839021	.....350 Chevy conversion for 2-bolt blocks
839022	.....350 Chevy conversion for 2-bolt, splayed bolt ang
839020	.....*350 Chevy 350 w/ 4-bolt. Replaces center 3 caps
839023	.....400 Chevy conversion for 2-bolt, splayed bolt angle
839056	.....*396-454 Chevy conversion for 2-bolt blocks

* Does not include hex head bolts and drill bushing.

PIONEER
Performance Products



MAIN STUD KITS

ARP
automotive racing products

Application	2-Bolt Kit	4-Bolt Kit
SB Chev large journal (hex)	134-5401	134-5601
SB Chev small journal	134-5402	
Gen III LS & GMPP LSX block		234-5608
BB Chev 396-454	135-5402	135-5601
SB & BB Chrysler 318-440	145-5402	
5.7-6.4L Chrysler Hemi w/cross bolts	244-5400	
SB Ford 289-302	154-5401	
Ford 351W	154-5403	154-5606
Ford 429-460	155-5402	155-5501

ENGINE OIL ADDITIVES

Early engines with flat tappet cams, non-OBD

Part #	Description
40-1900-12 With ZDDP
159-12 With ZDDP



DRIVEN OIL & LUBES



Part #	Description
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ENGINE BUILDER PRODUCTS

00728	Assembly Grease 1 lb. Tub
00732	Assembly Grease 1 oz. Tube
50050	High Viscosity Lube 8 oz. Bottle
50011	Foaming Degreaser Case of 12 Spray Cans
50021	Brake & Parts Cleaner Case of 12 Spray Cans
50030	CSP Cooling System Protector 12 oz. Bottle

mPAO Is A GAME CHANGER
High Temp High Shear Viscosity

BREAKIN MOTOR OILS

00107	BR 15w-50 Case of 12 Quarts
00115	BR Case of 2-2 1/2 Gallon Jugs
01807	BR30 5w-30 Case of 12 Quarts
01814	BR30 2 1/2 Gallon Jug
03707	BR40 10w-40 Case of 12 Quarts



HOT ROD-HIGH PERFORMANCE MOTOR OILS

02007	HR-2 Conventional 10w-30 Case of 12 Quarts
03807	HR Conventional 10w-40 Case of 12 Quarts
02107	HR-1 Conventional 15w-50 Case of 12 Quarts
01507	HR-4 Synthetic 10w-30 Case of 12 Quarts
03907	HR Synthetic 10w-40 Case of 12 Quarts
01607	HR-3 Synthetic 15w-50 Case of 12 Quarts
02407	DT40 Synthetic 5w-40 Case of 12 Quarts
02607	MR50 Synthetic 15w-50 Case of 12 Quarts
02907	LS30 Synthetic 5w-30 Case of 12 Quarts
03007	FR20 Synthetic 5w-20 Case of 12 Quarts



RACE OILS-CONVENTIONAL

00507	XP-4 20w-50 Case of 12 Quarts
01907	XP-8 5w-30 Case of 12 Quarts

RACE OILS-SEMI-SYNTHETIC

00907	XP5 20w-50 Case of 12 Quarts
00915	XP5 Case of 2-2 1/2 Gallon Jugs
01707	XP7 10w-40 Case of 12 Quarts



RACE OILS-SYNTHETIC

00407	XP0 0w-5 Case of 12 Quarts
00007	XP1 5w-20 Case of 12 Quarts
00207	XP2 0w-20 Case of 12 Quarts
00307	XP3 10w-30 Case of 12 Quarts
01007	XP6 15w-50 Case of 12 Quarts
03307	XP9 0w-10 Case of 12 Quarts
03207	XP10 10w-40 Case of 12 Quarts



RACE GEAR OILS-SYNTHETIC

00631	75w-110 Case of 12 Quarts
00831	SS 70w-85 Case of 12 Quarts
01131	Qualifying Case of 12 Quarts

STREET PERFORMANCE

03007	FR20 Synthetic 5w-20 Case of 12 Quarts
02907	LS30 Synthetic 5w-30 Case of 12 Quarts
04107	FR50 Synthetic 5w-50 Case of 12 Quarts

TURBO DIESEL

02535	DP40 Synthetic 5w-40 Case of 4 Gallons
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ASSEMBLY LUBES

Part #	Description
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ARP	
100-9908 5 oz. Tube
100-9909 1.69 oz. Tube
100-9910 5 pt. Brush Top Container

CLEVITE	
2800B1	..... Bolt Boots-Journal Protectors
2800B-2	..... 8 oz Bearing Guard Assembly Lube
2800B4	..... 1 gal Bearing Guard Assembly Lube

COMP CAMS	
153	..... Cam & Lifter installation lube 8oz

ENGINE PRO	
40-1100	..... Hi Pressure package 8oz flip-top
40-1000	..... Moly Lube paste, 10oz brush-top

PERMATEX	
81950	..... Ultra Slick Assembly Lube

SILVER SEAL	
V753 Valco-Rorco MPZ red lube



SEALERS, LOCKERS, DRESSINGS

Part #	Description
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THREAD SEALER

ARP	
100-9904 1.69 oz. Tube

Permatex	
24200 Blue Thread locker, Medium Strength 6 ml. Tube
56521	..... Replaces Teflon tape on fittings and head bolts

GASKET MAKER

Silver Seal	
V135	..... Black - All-In-One Silicone, 3oz tube
V142	..... Black - All-In-One Silicone, 11oz tube

HYLOMAR	
HS1002	..... Non-hardening sealant and dressing

VAVLE GRINDING COMPOUND	
80037	..... Valve Grinding Compound, 3oz



HARD BLOK

The original non-shrinking block filler!

Part #	Description
860228	..... Tall Fill 2 - 14lb bags
860212	..... Short Fill 2 - 6-1/4lb bags



TOP ENGINE PAINT

Part #	Description
T-26-A	..... Univ Black
T-10-A	..... Chevy Orange
T-17-A	..... Mustang Dark Blue
T-58-A	..... Cast Blast

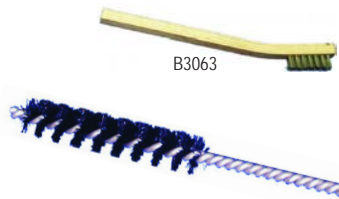


MACHINE SHOP ESSENTIALS



CLEANING BRUSHES

Part #	Description
B3022	3/8" Nylon Guide
B3024	1/2" Nylon Hand Guide
B3041	5/16" x 2 1/2" Nylon
B3040	1/4" x 2" x 10" Nylon
B3063	7/8" Diesel Injection



KNOTTED WIRE END BRUSHES

B3076	3/4"L, Severe Duty, .014 Wire
B3082	1-1/8"L, Extreme Duty, .020 Wire
B3084	3/4"L, Extreme Duty, .020 Wire

PORT BRUSHES

B3093	1/4" Port Brush
B3094	1/2" Port Brush

POLISHING BELTS

3050	1" X 64"; 240 Grit
3058	1" X 70"; 320 Grit
3064	1" X 72"; 320 Grit

FLEX-HONES

4163	11/32", 240 Grit - Valve Guide
4164	3/8", 240 Grit - Valve Guide
4123	3/4", 180 Grit - Lifter Bore
4124	1", 180 Grit - Lifter Bore
4108	3.750"-4.125" x 13.5", 120 Grit, SD
4114	4.000"-4.500" x 13.5", 120 Grit, HD

VALVE RESURFACER WHEELS

2300	4 X 1 X 5/8 GP
2300R	4 X 1 X 5/8 GP Ruby
2312	5 X 7/8 X 7/8 GP
2320	7 X 1 X 7/8 GP
2342	7 X 11/16 X 1-3/4 GP
2400	4/3 X 1-1/2 Flared
3046	CPB 64 x1 (10)32
80702	Diamond Dressing

CYLINDER HONING STONES

SAN100	70 Grit, 2.7"-4.1" Bore
SAN101	70 Grit 3.5"-5.5" Bore
SAN200	150 Grit 2.7-4.1 Bore
SAN201	150 Grit 3.5-5.5" Bore
SAN300	220 Grit 2.7-4.1 Bore
SAN301	220 Grit 3.5-5.5" Bore
SAN500	280 Grit 2.7-4.1 Bore
SAN501	280 Grit 3.5-5.5" Bore
SM27J87	400 Grit 2.7-4.1" Bore

ROD HONING STONES

80010	Roughing, For Con-Rod CR-1900 CR4500 Mandrel
80020	GP, For Con-Rod CR-1900 CR4500 Mandrel

SIOUX VALVE SEAT STONES

SX1-1/8"45	1-1/8, 45° GP
SX2003	1-1/4, 45° GP
SX2009	1-3/8, 45° GP
SX2015R	1-1/2, 45° Ruby
SX2027	1-3/4, 45° GP
SX2027R	1-3/4, 45° Ruby
SX2033	1-7/8, 45° GP
1702	Stone Holder for Sioux
4455	Clover Grinding Compound, 280 Grit

HONING OIL

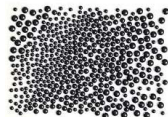
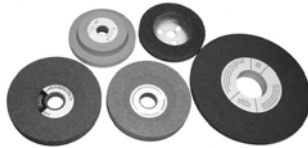
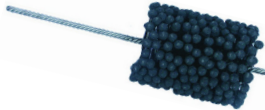
Part #	Description
84005	MD Honing Oil (CK50), 5 gal
84505	HD Honing Oil (MAN845) 5 gal
85005	General Purpose Honing Oil 5 gal

COOLANT

4513	Crankshaft Grinding Coolant 5 gal
4506	Flywheel Grinding Coolant 1 gal
4508	Flywheel Grinding Coolant 5 gal

BLASTING MEDIA

801-208	AC Glass Beads 50lb bag
MG6	Glass Bead, 50lb bag
170	Steel Shot 50lb bag
7016	Steel Shot 50lb pail
S-170B	Steel Shot 50lb bag



MACHINE SHOP ESSENTIALS



HEAT TABS

80-1000-100	Heat Tabs (Bag of 100)
HTA	Heat Tab Adhesive
T-5101-32	Seal-Wel Cubes (Box of 32)

BEAD & TANK GLOVES

4700	Hot Tank Gloves, mid-forearm, pair
4708	Glass Bead Glove, Left only
4709	Glass Bead Gloves, 8"x25"x30" OAL, pair

CRACK DETECTION

10100	Crack Detection Kit
10010	Dye Penetrant Crack Finer Kit
30333	Fluid Weld 2oz. Bottle
30334	Seal-Lock - 8.8 oz Bottle
30444	Seal-Lock - 1 Qt Bottle
30445	Seal-Lock - 1 Gal Bottle
10020	Yellow Mag Powder 3 lbs
10021	Yellow Mag Powder 5 lbs
10012	Dye Penetrant 8.5oz. Spray
10205	Developer 8.5oz. Spray
4409	Blue Dye, 16oz Aerosol
4410	Blue Dye, 8 oz. Brush Top Bottle
T-5120-Y	Metal Marker - Yellow

CLEANING

CH31801	Jet Pro Spray 160-190F
CH31862	Jet Citrus Spray 160-190F
CH30814	Hot Tank Citrus Soak 140F
4738	Basket - 2 piece small steel basket
4739B	Basket - 9" high
4739L	Basket - Lid for 4739B

PROTECTIVE PLUGS

6520	14MM, 100-Pk.....	\$3.56
6525	5/8", 100-Pk.....	\$3.37

ENGINE & HEAD BAGS Box of 100

3400	Engine Bags 2 ml, 23" x 17" x 50".....	\$79.00
3402	Head & Crank Bags 3 ml, 10" x 8" x 36".....	\$40.00

VALVE SPRING INSERTS

.060 Type A For serviceable springs Std - Copper Color HP - Blue, Case Hardened	.030 Type B For New Springs Std - Silver Color HP - Blue Case Hardened	.015 Type C For Balancing Std - Black Color HP - Blue Tempered Spring Steel	.060 Cup A500 Series For Step/Flush Spring Pads Std - Copper Color HP - Blue Case Hardened

BENCH GRINDER WHEELS

Part #	Size	Grit	Part #	Size	Grit
2441	6" X 1/2"	36	2458	7" X 1"	36
442	6" X 1/2"	46	2460	7" X 1"	46
2444	6" X 1/2"	60	2462	7" X 1"	60
2446	6" X 3/4"	36	2466	8" X 1"	46
2448	6" X 3/4"	46	2468	8" X 1"	60
2450	6" X 3/4"	60	2472	10" X 1"	46
2452	6" X 1"	36	2476	10" X 1-1/4"	36
2454	6" X 1"	46	2478	10" X 1-1/4"	46
2456	6" X 1"	60	2480	10" X 1-1/4"	60
			2482	10" X 1-1/2"	36
			2486	10" X 1-1/2"	60

HAND DRESSERS FOR GRINDER WHEELS

Part #	Description
2912	Complete Dresser For Wheels Up To 10" Dia.
2914	Cutter Repl. Set (Includes 4 blades, 2 spacers, for #2912)
2916	Complete Dresser For Wheels 10" - 16" Dia.
2918	Cutter Repl. Set (Includes 4 blades, 2 spacers, for #2916)

THREAD REPAIR KITS

Perma-Coil inserts and repair kits are designed to repair stripped threads in a variety of metals including aluminum, aluminum alloys, magnesium, cast iron and bronze



THREAD KITS CO.



PERFORMANCE TOOLS

Part # Description



AN10..... A N Hex Wrench Set (8 Pcs)
8 Piece A N Hex Wrench Set. Color coded for fast identification. Scratch resistant to hose fittings. Lightweight aluminum alloy construction. Set includes 1/2" #3, 9/16" #4, 11/16" #6, 13/16" #8, 1" #10, 1-1/4" #12, 1-1/2" #16, 1-13/16" #20 wrenches in a carrying case.



KK701A... Top Dead Center Locator (Chrysler)

KK701: Top Dead Center Locator (Chevy)

This tool provides a positive stop for the piston when locating top dead center. Screws into the spark plug hole.



KK990: Deck Bridge (w/Magnetic Base)

KK991: Deck Bridge (w/o Magnetic Base)

Checks piston-to-deck clearance. For cylinder bores up to 4-1/2".



KK644KT Universal Degree Wheel Kit

This kit contains all of the tools needed to degree cams, assuring proper cam timing and lobe lift. Features deluxe components including a 9° degree wheel and indicator, dial indicator mount, 2 valve check springs, clamp kit, 14mm top dead center locator, wire degree wheel, pointer, detailed instructions, and a durable foam padded carrying case. For use with heads on engines.



PERFORMANCE TOOLS



4796..... Universal Degree Wheel Kit

4943..... Ford 5.0L 4V Coyote Degree Kit

This kit contains: 9° Degree Wheel - #4790, Cam Checking Fixture - #4902, 0-1" Travel Dial Indicator - 4909, Cam Degree DVD - #190DVD, Wire Degree Wheel Pointer - #4794, TDC Piston Stop - #4795, (2) Lightweight Checking Springs - #4758, Cam Degreasing Instruction Booklet - #145



4758-2 Checking Springs

Low tension checking springs can be installed by hand in place of valve springs. Simplify measuring piston-to-valve clearance, rocker ratio, cam degreasing, etc. Set of two springs is enough for one cylinder



5311..... Universal Camshaft Installation Handle

4919..... Chevy Handle with Hardware

Universal handle includes five interchangeable adapters that fit most domestic V6 and V8 engines, including Chevrolet, Ford and Chrysler. Chevrolet specific handle fits SBC and BBC and includes necessary hardware that stores inside hex-design handle.



4921..... Chevy V8 Oil Pump Primer

4922..... Ford 260-351W 1/4" Oil Pump Primer

Allow the oil pump to be primed and the engine prelubed prior to initial start-up. Eliminates the chance of a "dry start" and thus avoids premature engine damage. Primers drop in place of distributor and, with the use of a drill, spin the oil pump to supply oil to critical engine components. Both models feature a top alignment collar and Chevrolet model includes a bushing to pressurize the upper valve train



5327..... Valve Spring Organizer Tray

5329..... Rocker Arm Organizer Tray

These COMP Cams® Valve Train Organizer Trays are perfect for novice or pro engine builders alike. These durable polymer trays neatly store your valve train components while assembling or rebuilding your engine. Organizers are labeled on the front and rear to help keep track of your part location for reassembly. Each tray has built-in handles to make easy work of moving parts around your shop or garage.



PRE-LUBE OILER TANK

A MUST HAVE TOOL TO PRE-LUBE ENGINES

- Eliminates dry starts after engine rebuilds
- Eliminates initial wear on engine components
- Can be used on all internal combustion engines



Part # MPL-101

COMMON FASTENERS TO KEEP IN STOCK

BOLTS & WASHERS

-Note: UHL = Under Head Length

- 250-0750-50 1/4-20 x .750" UHL.
Oil pans, valve covers, Chevy front cover
- 312-0750-50 5/16-18 x .750" UHL.
Carburetors, oil pans
- 375-1000-50 3/8"x1.00" UHL.
Headers, Intakes, mounts, Chevy fuel pump
- 375-1250-50 3/8"x1.250" UHL w/ captive flange.
Headers w/ thick flange, Intake manifolds, motor mounts, Chevy water neck, acc bracket
- 375-0625-100 3/8" washer - 100-pack



PUSHROD LENGHT CHECKING KIT

Aluminum alloy

Twelve tubes

1/2 inch increments range from 6.000" to 12.000".

Order #LC5A-K



PRECISION MEASURING

Part # Description



LDT03..... Quick Compression Tester

Short offset stem with a rubber cone tip permits easy seating in any spark plug port. Fits domestic and import engines. Large face dial gauge allows fast and accurate readings. 0-300 psi and 21 bar.



KK678..... Feeler Gauge Set (26 Blades, 3-1/2" Long)

26 Blade Set, 3-1/2" Long. Includes The Following Sizes: .0015, .002, .0025, .003, .004, .005, .006, .007, .008, .009, .010, .011, .012, .013, .014, .015, .016, .017, .018, .019, .020, .021, .022, .023, .024, .025.



KK670..... One-Revolution Dial Caliper (0"-6" Range)

0" - 6" Range, .001" Graduations, .001" per 6" Accuracy. Measuring face hardened, precision ground, and microlapped for absolute accuracy. Satin chrome finish, crisp engraved graduations, and made of stainless steel. Includes a deluxe fitted case.



KK723..... Starrett Precision Level (8" Long)

8" Long Level. Ground and graduated vials are housed in a satin finished, brass protective tube with a friction-fit closing cover to prevent breakage. Base made of the highest quality seasoned casting and are precision machined on the bearing surface. Each level contains a cross test vial to simultaneously level in both directions



SE24..... Kwik-Check Straight Edge (24")

24", For Small Engines. Straight edges for determining height variation across a surface quick and accurately. Precision ground one side with +/- .001" variance over length. Commonly used on flywheels, crankshaft saddles, head and block warpage.



KK666..... Outside Inch Micrometer Set (0-4" Range)

KK629..... Outside Inch Micrometer Set (0-6" Range)
4 Piece Kit, 0"-4" or 0"-6" Range. .001" reading plus .0001 vernier. Swiss style design, balance, and quality. Ratchet stop for exact and repetitive readings. Microfine graduations allow for easy reading. Carbide faces with .250" dia. Meets or exceeds U.S. Federal specs for accuracy. Price includes standard, wrench, and fitted case.



KK676..... Depth Micrometer Set, 0"-4" Range, 2-1/2" Base with 4 Rods.

KK630..... Depth Micrometer Set, 0"-6" Range, 4" Base with 6 Rods.

Ratchet stop insures consistent and repetitive measurements. .157" Diameter rods with lapped measuring end. Satin - Chrome finish. Two adjusting wrenches. Fitted Case. +/- .0003" Accuracy. .001" Graduation.





Professional Engine Builders

Customized printed catalogs available

Sterling Sales: 1-888-765-5487