

Hardcore Horsepower 540 BBC Parts List

BBC 540cid stroker kit; 2-pc RMS, All Forged

- Scat 4340 crank 4.250-S, 2-pc RMS, ST WT
- Scat 4340 rods 6.385" H-beam bushed
- Wiseco 4032 forged piston, +15cc dome, 4.500"-B
- Wiseco Low-friction file-fit moly rings
- King Alecular Silicon main and rod bearings

Block;

BBC iron; 4.500-B, 4.250-S, 9.80-D, 454-Mains, Ductile Iron 4-bolt caps w/ 1/2" mains (1-5), 2-4 splayed, 2-pc RMS, +.300" lifters req'd, Made in USA; Dart "Big M Sportsman" Blocks DO NOT include freeze plugs, cam bearings, or dowel pins.

Camshaft;

BBC, SR, steel billet core, reqs' modified dist gear; Comp Cams custom grind 1 Roller Cam Button and Lock Plate Kit, Black Oxide, includes 5/16-18 G8 bolts (each) 1 Cam drive; BBC Timing Chain Set, True-Roller, Billet-Series, 9-key adjustable +/- 2-4-6-8 degrees, billet steel sprockets, w/ thrust shim, Made-in USA

Lifters; BBC, SR, Pro-series, pressurized oiling, +.300" tall, No offset. .750" wheel

Cam Drive Cover;

BBC Timing Chain Cover, polished aluminum, no timing tab, will clear dbl. roller chain, inclds. SS bolts, gasket/seal

Carb, 950cfm, Gasoline, Ultra HP Race 4150, Race Calibration, Universal, 4-Barrel, Dual Inlet, Grey/Black, No Choke, Mech

Secondary; Holley Ultra HP

Carb gasket; 4150 4-hole base

Carb Space:

2" aluminum "Super Sucker" 4150 Holley/Demon 4bbl.; HVH "Super Sucker" 1

Carb Studs; 5/16" x 3.700" (2) + 5/16" x 4.000" (2) OAL for 2" spacer + 1/4" billet throttle cable brkt, 4150/4160 single-carburetor, BLK OXD

Cylinder Heads: BBC 300cc, 113cc, O-Port, 100% CNC ported, cast aluminum, ASSEMBLED complete w/ parts (pair); AFR

2.30" x 11/32" SS 1-pc Int valves

1.88" x 11/32" SS 1-pc Ex valves

1.625" dual springs w/ dampener: 275# @ 2.000", 810# @ 1.150", .850"-max

10° hardened steel locks

10° steel retainers

Steel valve spring cups

Viton rubber valve seals

3/8" Pushrod guideplates, 7/16" screw-in rocker arm studs

+.375" raised exhaust ports

Cylinder Head Gasket;
BBC, GEN IV, 4.540" x .039", 10.5cc, Composition Type (each); Fel-Pro, Permatormq Blue 2

Cylinder Head bolts:
BBC, 6-Point Head, Fits: AFR, Bowtie (late), Dart alum, Merlin, Heads, Kit; ARP HP-Series 1

Dampener; BBC, 7.0" Neutral (Internal) balance, SFI-approved, 9.7-lbs; Powerbond 1
Dampener Bolt; BBC; Steel, Blk Oxd, 5/8" socket, 12-pt, Each; ARP 1
Distributor; GM Pro-Billet, Magnetic Trigger, Mechanical Advance, Chevy, Big/Small Block;

MSD

Distributor Hold-Down Clamp; Chevy Small/ Big Block, Billet Steel, Zinc Plated, Each; MSD
1Distributor gear; fits Chevy V8; .500" ID, Nitrided; Lunati 1

Flexplate; SBC/BBC, 2-pc RMS, 168-Tooth, 4130CM Steel, Int Bal, .187" x 14.13" OD, Each;
CSR Performance 1
Flexplate Bolts; 12-pt, Steel, Blk Oxd, 7/16-20, 0.680". U.H.L., Chevy, Ford, Set of 6; ARP 1

Fuel Pump Block-Off Plate, Aluminum, Black Anodized, Moroso, Fits: BBC, Chrysler, Ford,
Dodge, Plymouth

Intake Manifold;
BBC, Oval-port, Victor Jr. 454-O; Non-EGR; Edelbrock 1
Bolts; 3/8-16 x 1-1/2 SOCKET HEAD CAP SCREW 18-8 STNLS STEEL 12

Intake Gasket;
BBC, Composite, O-port, 2.116" x 1.85" Port, .060 in. Thick, Set; Mr. Gasket Co. 1
Port-Match Intake to heads/gaskets 1

BBC/4.250-Stroke Race Oiling system includes:

- Moroso BBC MK IV Street/Strip wet sump oil pan, steel 6 qt, RH dipstick, 4.250-stroke, crank scraper, windage screen, Clear Zinc, 5" Front Depth, 8" Rear Depth,
- Moroso BBC HV oil pump, blueprinted, w/ pick-up # 24440 welded on
- HD oil pump driveshaft
- HD oil pump stud
- Fel-Pro: 1-pc silicone rubber oil pan gasket and locking fasteners
- Spin-on filter adapter
- Braided SS locking dipstick
- Fasteners

Pushrods;
9.250" x 3/8" x .080"-wall, 4340 seamless chrome moly, hardened, blk oxd, (set of 8); Hi Tech 1
Pushrods; 8.400" x 3/8" x .080"-wall, 4340 seamless chrome moly, hardened, blk oxd, (set of 8);
Hi Tech 1

Rear Main Seal: BBC, 2-Piece, Premium Fluoroelastomer Viton, High-Vacuum, Buick, 1965-90
Big-Block, Chevy V6 (each); Fel-Pro 1

Rockers;

1.7:1, Full-Roller, 8650-CM steel, 7/16" Stud Mount, w/ Poly-Locks, Set of 16; Comp Cams BBC Ultra Pro Magnum 1

Rocker arm adjusting nuts to fit stud girdle; 7/16" (set of 16) Comp Cams 1

Stud Girdle; BBC, Fits AFR heads 1

Spark Plug; Gasket Seat, 14mm Thread, .750 in. Reach, Projected Tip, Resistor, Copper Core, Iridium Electrode, Each; Autolite Racing XP8

Timing Pointer; BBC 7.25" dampener, billet alum, adjustable; Moroso 1

Valve Covers;

BBC, Billet Fabb'd Aluminum, w/ Baffled Breather Holes, Tall, Satin Black Painted, Inclds Bolts, Pair; Mr. Gasket Co. 1

Valve Cover Breather; Push-In, Filtered, Chrome Top w/ Bow-Tie Logo, Fits 1.22" hole, each; GMPP 2

Valve Cover Gaskets; BBC 1-pc Molded Silicone rubber w/ steel core and compression limiters,

Break-In Motor Oil, 15W-50 (quart); Joe Gibbs Driven *includes waste oil disposal fees 7

Oil Filter, 13/16-16 Thread, 3-5/8" Dia., 5-3/16" Tall, 21-Micron, Each; WIX Racing Filters 1

Oil Filter, 13/16-16 Thread, 3-5/8" Dia., 5-3/16" Tall, 61-Micron, Each; WIX Racing Filters