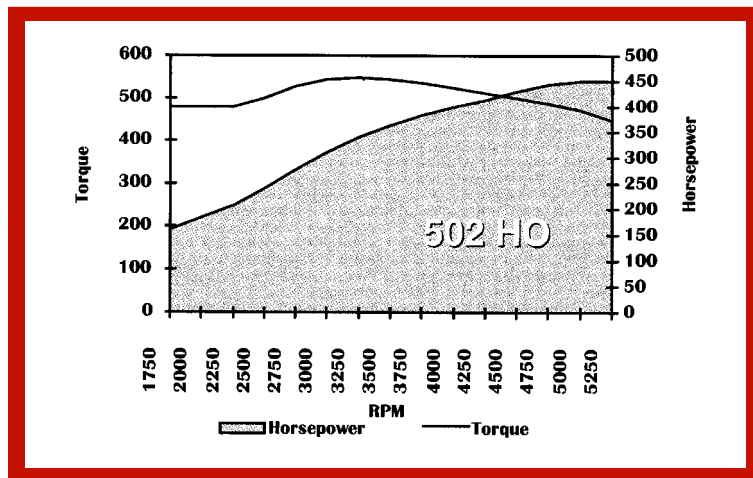


P/N 12568778 — 502 HO

450 Horsepower and 550 Ft. Lbs. of Torque Roller Cammed Street Thumper



502 HO

There is no replacement for displacement, and torque is king. With 550 Ft. Lbs. of torque the 502 HO will launch your car harder than you thought possible. With its 450 horsepower and awesome torque the 502 HO may have the best power to dollar ratio going. If your car is all steel, you'll appreciate the power of the 502 HO and if your car is a light weight racer, say 2300 pounds, the 550 ft.lbs. of torque will put a big ol' grin on your face. This engine is awesome.

Starting with a Gen VI four bolt main block, we fill it with forged pistons, forged 4340 steel connecting rods with 7/16" bolts, a 1053 forged steel crankshaft, and a steel roller camshaft. Then we torque down a pair of big breathing rectangular port heads with 2.19" intake and 1.88" exhaust valves. With their 118cc combustion chambers yielding a streetable 8.75 to 1 compression ratio, this engine is ready to rock on readily available pump premium.

We then top it all off with an aluminum dual plane intake manifold and dress the engine with a cast iron water pump, 6 quart oil pan, windage tray, 14" flexplate and torsional damper. So, all you need to do is provide an 750 cfm carburetor, HEI ignition system, headers with 2"x30" primaries and low restriction mufflers and a car with big sticky tires. Sounds simple, and it is. Check with your GM Performance Parts Authorized Center for specific oil pan needs for your application.

The 502 HO requires an electric fuel pump because the 502 Gen VI block has no mechanical fuel pump boss.

The 502 HO is not intended for marine use, and should only be used in 1978 and earlier pre-emissions street vehicles or any year off road vehicles.

502 HO Technical Information

Horsepower	450 @ 5250 RPM
Torque	550 Ft. Lbs. @ 3500 RPM
Max. Recommended RPM	5500
Compression Ratio	8.75:1
Block	10237292 Cast iron - Four bolt main caps
Crankshaft	10183723 Forged steel
Connecting Rods	10198922 Forged steel - Shot peened, 7/16" bolts
Pistons	12533507 Forged Aluminum
Piston Rings	12524293
Camshaft	24502611 Hydraulic roller Lift: .510" I, .540" E. Duration @ .050" 211° I, 230° E.
Timing Chain	3891519 Single roller
Cylinder Heads	14096801 Cast Iron 118cc Combustion chambers
Intake Valves	14097045 2.19"
Exhaust Valves	14097049 1.88"
Valve Springs	14097002
Rocker Arms	12523976 1.7:1
Intake Manifold	3933163 Aluminum with Holley flange
Torsional Damper	10216339 8"
Flexplate	10185034 14"
Valve Lash	Net lash
Spark Plugs	MR43T Gap .045 #10 Rapid Fire Gap .045
Fuel	92 Octane
Ignition Timing	36° @ 3600 rpm With vacuum advance disconnected

Technical Notes: Distributor, exhaust and carburetor are not included with this engine. For manual transmission applications use flywheel 14096987 and a suitable 11" clutch assembly. Distributor P/N 1104067 or melonized distributor gear P/N 10456413 must be used on all crate engines with steel camshafts.

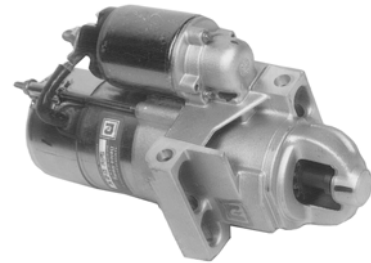


Service your crate engine with AC Delco filters and sparkplugs.

Customize your 502 HO with GM Performance Parts

Below is a sample of the 2 parts that you'll find throughout our catalog to help you complete your crate engine installation or customize your crate engine for your specific application.

9000852 — Starter, Light Weight



1104067 — HEI Distributor

12361323 — Roller Rocker Arms - 1.7 ratio full roller design (Qty 16)

12495518 — Stud Package, Rocker Arms (Qty 16)



12342099 — Tall Chrome Valve Cover - Provides clearance for roller rocker arms



12361058 — GM Performance Parts Logo 8mm Spark Plug Wires



12342080 — Chevrolet Logo 14" Hi Performance Air Cleaner

12495360 — 4-Quart Oil Pan