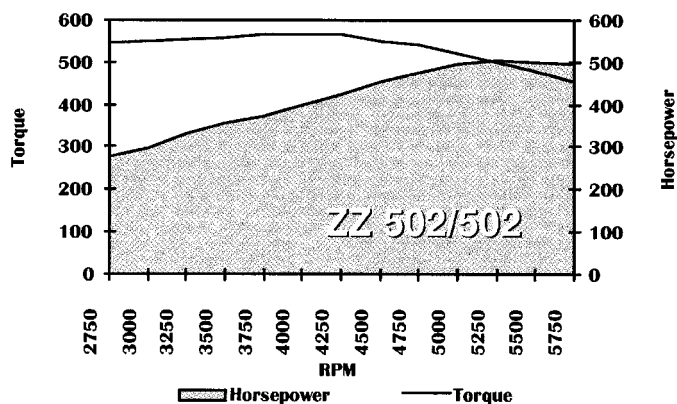
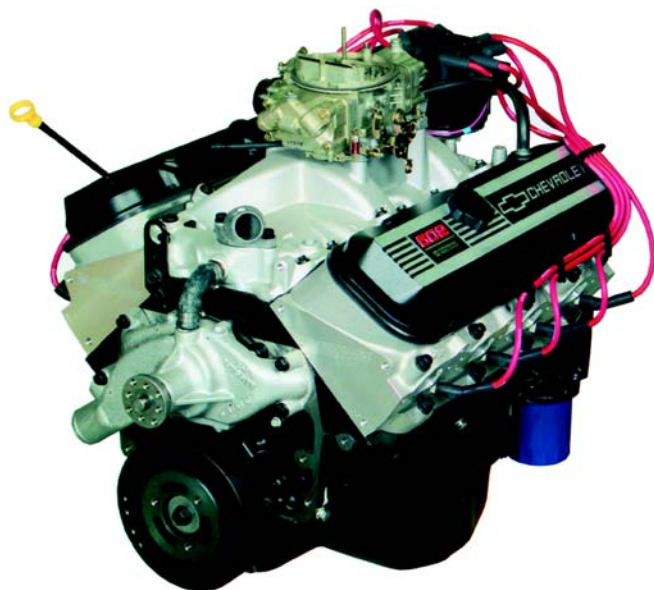


P/N 12496962 and P/N 12496963 — ZZ502 FULLY ASSEMBLED 502/502

America's favorite big-block crate engine is now available fully assembled. All the same great parts used in the ZZ502 kit engines, but fully assembled for easier installation in your hot rod, street rod or sportsman racer. Available in two versions, base (P/N 12496963) and deluxe (P/N 12496962). The base engine is a fully assembled long block with valve covers and valvetrain. The deluxe is a complete engine from intake manifold to pan. (Carburetor and starter included but not installed because of crating.) See the ZZ502 kit engine information for specific content and specifications.



ZZ 502/502 Technical Information

Horsepower	502 @ 5200 RPM
Torque	567 Ft. Lbs. @ 4200 RPM
Max. Recommended RPM	5800
Compression Ratio	9.6:1
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	12366543 Hydraulic roller Lift: .527" I, .544" E. Duration @ .050" 224° I, 234° E.
Timing Chain	3891519 Single roller
Cylinder Heads	12363390 Aluminum oval port 110cc Combustion chambers
Intake Valves	12366987 2.25" Stainless Steel
Exhaust Valves	12366988 1.88" Stainless Steel
Valve Springs	12462970
Rocker Arms	12368082 1.7:1 Stamped Steel
Intake Manifold	12363407 Aluminum Holley flange
Carburetor	12366996 Holley 850cfm
Distributor	1104067 HEI
Starter	9000852 Gear Reduction
Water Pump	14058915 Aluminum
Valve Lash	Zero
Spark Plugs	#4 Rapid Fire Gap .045 R43XLS Gap .045
Fuel	92 Octane
Ignition Timing	8° BTDC @ 800 RPM 36° Total @ 5,000 RPM

Technical Notes: Distributor P/N 1104067 or melonized distributor gear P/N 10456413 must be used on all crate engines with steel camshafts.

- The clutch linkage boss is cast in this block, but it is not drilled or tapped.
- When using cast iron exhaust manifolds the lower head bolt may need to be replaced with bolt with shorter heads.



Service your crate engine with AC Delco filters and sparkplugs.