

CRATE ENGINES

5.0L/302-347 CID SMALL BLOCK 450 HP "Z" HEAD FORD RACING PERFORMANCE CRATE ENGINE ASSEMBLY

M-6007-Z347*

- 347 cubic inch
- 450 hp @ 6000 rpm (with headers, and a 650 CFM Holley carburetor not included)
- 400 lb-ft of torque @ 4900 rpm
- 9.7:1 compression ratio (nominal)
- Forged pistons
- Forged steel cap screw connecting rods
- Hydraulic roller camshaft, .580" lift intake .602" exhaust, duration at .050" is 232 degrees intake and 240 degrees exhaust with 1.6 rocker arms
- Double roller timing chain set M-6268-A302
- Forged steel crankshaft
- "BOSS" 4-bolt main block, M-6010-BOSS302
- High-performance rear T-sump oil pan
- Rear sump pan fits most Fox body cars
- MSD billet distributor
- Ford Racing aluminum "Z" cylinder heads M-6049-Z304DA with 2.02" intake valves and 1.60" exhaust valves
- Roller rocker arms M-6564-F351
- Single plane "Victor Jr." intake manifold M-9424-D302
- New heavy-duty block, oil and water pumps, performance oil pan and high-performance harmonic balancer
- Can be used in kit cars, street rods, Mustangs, Fox-bodied cars and trucks
- Depending on your application, a different timing cover, water pump, performance oil pan and pickup may be required. See installation notes

See Also...

- Crate Engine Build-Up
- Crate Engine Warranty
- Engine Tips & Specs
- Crate Engine Catalog



INSTALLATION NOTES:

See engine installation and tuning tips on page 95.

Some or all of the following items may need to be changed from your original engine or modified for proper installation:

- This engine has a rear T-sump performance oil pan and pickup, regular rotation timing cover and regular rotation water pump and non-EFI valve covers.
- A different performance oil pan and pickup may be required for your application. Call the Techline at (800) FORD788 for more information.
- The timing chain cover will work with most regular rotation water pumps.
- Fuel pump eccentric M-6287-B302 installed, allows use of mechanical fuel pump.
- A standard rotation water pump is installed on the engine. Other applications may require different water pumps and timing chain covers found on page 123.
- The valve covers (M-6582-BOSS) should fit most non-EFI applications, optional valve covers (sold separately) are available on pages 128-130.
- The damper M-6316-C351 may require a spacer for pulley alignment, see page 126.
- The flywheel (M-6375-A302) not included should work for most 157-tooth manual transmission applications. For other transmission applications use the proper 28 oz. flywheel, see pages 171-172.
- Firing order 1-3-7-2-6-5-4-8 (5.0L HO and 351W order).
- Built with current available parts. Photo and specs may vary.
- Shipping weight approximately 465 lbs.