

# CRATE ENGINES

## 5.0L/302 – 340 HP GT-40 ALUMINUM HEAD FORD RACING PERFORMANCE CRATE ENGINE ASSEMBLY

**M-6007-X302B\*** B303 Camshaft - Manual transmission

**M-6007-X302E\*** E303 Camshaft - Auto or Manual Transmission

- 302 cubic inch
- 345 hp with M-6250-B303, 340 hp with M-6250-E303 camshaft, headers and 65 mm throttle body not included
- 9.0:1 compression ratio (nominal)
- Forged pistons
- Forged steel connecting rods
- BOSS 4-bolt main block M-6010-BOSS302
- Hydraulic roller camshaft M-6250-B303, .480" lift intake and exhaust, duration at .050" is 224 degrees intake and exhaust
- Hydraulic roller camshaft M-6250-E303, .498" lift intake and exhaust, duration at .050" is 220 degrees intake and exhaust
- Double roller timing chain set M-6268-A302
- Forged steel crankshaft
- Rear sump pan fits most Fox body cars
- Ford Racing aluminum GT-40 cylinder heads M-6049-X306 with 1.94" intake valves and 1.54" exhaust valves
- Roller rocker arms M-6564-B351
- Built with all new parts
- 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 sump oil pan and pickup, regular rotation timing cover and reverse 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 reverse 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-BOSS302) should fit most non-EFI applications, optional valve covers (sold separately) are available on pages 128-130.
- The flywheel included (M-6375-B302) should work for most 157-tooth manual transmission applications. For other transmission applications use the proper O balance 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 425 lbs.