

Roush Performance Long Block Engine Package *342R - Long Block*

*The 342R Long block assembly is the perfect replacement for that Mustang that begs for maximum power. It is built with "forged" crank, pistons and H-beam rods. We also install a main-cap girdle to assure "bottom-end" stability in the 2-bolt main block. It includes "fully CNC ported" Roush aluminum heads and a hydraulic-roller cam. The 342R engine is built to perform and runs on Premium Unleaded fuel. The 342R delivers **450 horsepower, 420 ft-lbs of torque...** when we sell it as a complete engine. It should deliver similar power and torque with your intake.*

The engine department at Roush has been assembling engines for over 25 years. They have built thousands of race engines that have competed and won in drag racing, road racing, oval track racing and "land speed record" attempts. The same experienced group of engine builders; inspect, assemble and test every engine offered.

Engine Features:

- ◆ **Base engine:** New production 2-bolt iron block with main cap girdle, forged crank, forged connecting rods with 3/8" high-strength" bolts and forged pistons with a 10:1 compression ratio.
- ◆ **Cylinder Heads:** ROUSH Aluminum "fully CNC-ported" with premium stainless steel valves and springs.
- ◆ **Camshaft:** Hydraulic-roller camshaft with Double-roller Timing Chain
- ◆ **Valve train:** 1.6:1 roller rocker arms with dual valve springs.
- ◆ **Valve Covers:** Polished, tall aluminum covers engraved with the POWERED BY ROUSH logo (others are available).
- ◆ **Oil Pan and Oil Pump:** 5-quart, Production is standard. Competition and high performance pans for different applications are available. Adjustable Melling oil pump with heavy-duty oil pump "drive" shaft.
- ◆ **Water Pump:** Reverse rotation is standard on the Dual-sump oil pan engine (Mustang application). Standard rotation is standard on front sump applications.
- ◆ **Accessory Drive (OPTIONAL):** Aluminum under-drive V-belt pulley system, billet aluminum mounting bracket and spacers with 90-amp, single wire alternator.
- ◆ **Fuel Pump:** Not Included.
- ◆ **Flywheel:** Ford "SFI Approved" 157-tooth billet steel flywheel installed (balanced to 28.2 in./oz. factor). Aluminum flywheel available as an option.
- ◆ Every engine is machined, blueprinted and balanced to Roush's high standards and is assembled in Livonia Michigan in the same facility that builds our NASCAR Winston Cup engines.