

Roush Performance Engine Package **342R**

*When engine compartment space is limited but maximum performance is desired, the 342R is the answer. This engine, with its "Laundry List of forged components, main-cap girdle and fully CNC ported heads delivers both power and durability. The 342R was designed to be driven hard and performs great on Premium Unleaded fuel. Like the others offered, this engine is "hot tested", then dyno tested to verify power (and is shipped with documentation) and carries a warranty. The 342R delivers **450 horsepower, 420 ft-lbs of torque...** a great engine for that Mustang project you plan on driving regularly on premium unleaded "pump fuel".*

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:

1. **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.
2. **Cylinder Heads:** ROUSH Aluminum with premium stainless steel valves and springs. Fully CNC ported.
3. **Camshaft:** Hydraulic roller camshaft with Double-roller Timing Chain
4. **Valve train:** 1.6:1 roller rocker arms with dual valve springs.
5. **Intake Manifold:** Single-plane aluminum (Dual plane available upon request).
6. **Carburetor:** Roush "tuned", Holley 770 CFM with vacuum secondaries and electric choke.
7. **Air Cleaner:** 14" Chrome (standard, others available)
8. **Valve Covers:** Polished, tall aluminum covers engraved with the **POWERED BY ROUSH** logo and your engine Serial Number are standard (others are available).
9. **Oil Pan and Oil Pump:** 7-quart, Dual sump Canton pan is standard (Front-sump is available). Adjustable Melling oil pump and heavy-duty shaft.
10. **Water Pump:** Reverse rotation is standard on the Dual-sump oil pan engine (Mustang application). Standard rotation is standard on front sump applications.
11. **Accessory Drive (OPTIONAL):** Aluminum under drive V-belt pulley system, billet aluminum mounting bracket and spacers with 90 amp, single wire alternator.
12. **Fuel Pump:** Not Included
13. **Flywheel:** SFI approved 157-tooth billet steel flywheel installed (balanced to 28.2 in./oz. factor). Aluminum flywheel available as an option.
14. **Ignition:** MSD "billet aluminum, vacuum advance distributor with Ford Racing 10 mm plug wires and wire-looms (8-piece set).
15. **Starter:** New, Super High Torque starter (1.6kw) with cable.
16. **Testing and Documentation:** Each engine is "hot-tested" and then subjected to several "dyno pulls" to confirm power. Each 342R is shipped with a copy of the test results along with "fender and firewall badges".

Other Options: McLeod clutch (and installation), "Polished-Package" and others are available.