

## Roush Performance Engine Package **342RE**

*What do you get when you add Electronic Fuel Injection to a Roush 342R ?..... The 342RE, a powerhouse 5.0 liter with the horsepower and torque of a stroked 342 Cu.In engine with the efficiency and driveability of today's electronically controlled fuel injection vehicles. It comes complete with Throttle Body fuel injection utilizing Roush calibration, Harness, computer and fuel pump making it a "Plug and Play" application. This engine, with its "Laundry List of forged components and fully CNC ported heads delivers both power and durability. The 342RE 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 342RE delivers **440 horsepower, 410 ft-lbs of torque...** a great engine for that Mustang or Street Rod project you plan on driving regularly on premium unleaded "pump fuel".*

*We've built engines that have won us championships... Now it's your turn.*

*Isn't it time to put a little ' Jack' in your car?*

### **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:** Multi-Port Injected High Performance W/ High Flow Fuel Rails
6. **Fuel Management:** Engine Control unit utilizing "ROUSH" Calibration. High Volume Electric Fuel Pump W/ 1000CFM Throttle, Heated Oxygen Sensor W/O2 Bung, TPS,IAT,ECT, MST and Bar MAP Sensor. Mallory Hyfire Ignition. 36 Lb. / Hr. Fuel Injectors and Fuel Pressure Regulator. (Wide Band O2 Sensor Available).
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. **Flywheel:** SFI approved 157-tooth billet steel flywheel installed (balanced to 0 in./oz. factor). Aluminum flywheel available as an option.
13. **Ignition:** MSD "billet aluminum, vacuum advance distributor with Ford Racing 10 mm plug wires and wire-looms (8-piece set).
14. **Starter:** New, Super High Torque starter (1.6kw) with cable.
15. **Testing and Documentation:** Each engine is "hot-tested" and then subjected to several "dyno pulls" to confirm power. Each 342RE is shipped with a copy of the test results along with "fender and firewall badges".

**Other Options:** "Polished-Package" and others are available.