

Roush Performance Engine Package **342AL**

*When you are looking for extra power at an affordable price in a replacement engine for your Mustang or project vehicle, the 342 AL is a good solution. It is built with "cast" crank, I-beam rods and utilizes a main-cap girdle to assure "bottom-end" stability in the 2-bolt main block. It includes "port-matched" Roush aluminum heads and a hydraulic-roller cam. The 342AL engine is built to perform and runs on Premium Unleaded fuel. Like the others offered, this engine is "hot tested", then dyno tested to verify power and carries a warranty. The 342AL delivers **430 horsepower, 415 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 Ford Production, 2-bolt main iron block with a Main Cap Girdle, cast crank, "I-beam" connecting rods with 3/8" high-strength" bolts and forged pistons.
2. **Cylinder Heads:** ROUSH Aluminum "port-matched" with premium stainless steel valves and springs.
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:** Victor Jr., 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 (others are available).
9. **Oil Pan and Oil Pump:** 5-quart Production (type) oil pan is standard (Front-sump is available). Adjustable Melling oil pump and heavy-duty shaft is standard.
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:** McLeod "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:** Not included
16. **Testing and Documentation:** Each engine is "hot-tested" and then subjected to several "dyno pulls" to confirm power. Each engine is shipped with "fender" and "Firewall" badges for vehicle identification.

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