

Roush Performance Engine Package 427R

In the history of Hot Rods and Muscle cars, the number "427" brings back "Magic Memories". Back then, the "Side Oiler" was the King. Today, we have the option to build to this memorable cubic inch and still have all of the benefits of the "Windsor Engine". By using the "Dart- Iron Eagle" 4 bolt main block, we accomplish the best of both worlds: big cubic inches and dependability. This is our Thoroughbred: forged pistons, rod and crank in a race-ready block. The 427R is perfect fit for any project car and performs great on premium unleaded "pump fuel". This engine, like the others offered, is "hot tested", then dyno tested to verify power (and is shipped with documentation) and carries a warranty.

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 Dart 4-Bolt Main iron block, 4340 forged crank, 4340 forged "H" beam connecting rods with 3/8" high-strength" bolts, forged crankshaft (Internally Balanced) and pistons with a 10.25:1 compression ratio.
2. **Cylinder Heads:** Roush Aluminum with premium stainless steel valves; 2.08" intake and 1.600" exhaust.
3. **Camshaft:** Hydraulic roller cam (Roush proprietary) with a double roller timing chain and gear set.
4. **Valve train:** 1.6:1 roller rocker arms with dual valve springs mounted on 7/16" studs.
5. **Intake Manifold:** Single plane aluminum. (Dual Plane available)
6. **Carburetor:** Roush "tuned", Holley 7 50 CFM with mechanical secondaries (Electric Choke Avail.)
7. **Air Cleaner:** 14" Chrome (standard, others available)
8. **Valve Covers:** Polished, tall aluminum covers engraved with the POWERED BY ROUSH logo and your engines Serial Number are standard (others are available).
9. **Oil Pan:** Powder Coated- 8-quart "T" style, front sump ROUSH pan is standard. Adjustable Melling and heavy-duty shaft.
10. **Accessory Drive:** Roush Aluminum under drive V-belt pulley system, billet aluminum mounting bracket and spacers with 90 Amp, single wire alternator.
11. **Fuel Pump:** Mechanical high-performance pump with braided line and fittings from pump to carburetor w/ fuel log.
12. **Flywheel:** SFI approved 157-tooth billet steel flywheel installed (balanced to Ooz). Aluminum flywheel available as an option.
13. **Ignition:** MSD distributor with Ford Racing 9 mm plug wires and wire-looms.
14. **Starter:** New, Super High Torque starter (1.6kw) with cable.
15. **Water Pump:** New Ford production or equivalent, standard rotation for V-belt applications under 6,000 rpm.
16. **Testing and Documentation:** Each engine is "hot-tested" and then subjected to several "dyno pulls" to verify power. Each engine is shipped with a copy of the results along with "fender and firewall badges".

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