



17 Dracut Road · Hudson, NH 03051 · (800) 591-9171 · www.golenengineservice.com
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LSx 427ci Boosted



The 427ci LSx Boosted engine was built for customers that are looking to run 20-30 psi of boost and 1000hp +.

Compression Ratio: 9.5:1

Operating Range: 2500 – 6700rpm

Required Fuel: 91+ Octane Pump Gasoline

Block Specifications:

Block:

- GM LSx Cast Iron Block
- Zero Decked
- Bored 4.125"
- Honed with Torque Plates and Pressure Washed
- New Durabond Cam Bearings Installed
- Line Honed
- ARP Main Studs

Pistons:

- Wiseco Forged Pistons, tool steel wrist pins

Bearings:

- Clevite H-Series Main and Rod Bearings

Lifters:

- Comp Cams Custom Hydraulic Roller

Covers:

- GM Oil Pan (Corvette, Camaro, GTO or Truck)
- GM Timing Cover
- GM Rear Cover
- GM Lifter Valley Cover
- GM Valve Covers

Crank:

- Callies Dragon Slayer 4340 Forged Steel
- 4.000" stroke
- Internally Balanced Front and Rear

Rods:

- Callies 4340 Ultra Forged I-Beam
- 6.125" length
- ARP 2000 Rod Bolts

Rings:

- Stainless Steel Rings Gapped for Boost

Camshaft:

- Comp Cams Hydraulic Roller

Timing Set:

- Cloyes Billet Roller Hex Adjust Z-Chain

Oil Delivery:

- Melling Performance
- GM Pick Up Tube
- GM Windage Tray



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Damper:

- Powerbond SFI
- ARP Damper Bolt

Gaskets:

- Cometic MLS Head Gaskets .051"
- GM Cover Gaskets

Cylinder Head Specifications:

Type:

- Trick Fow LS7 Aluminum CNC Ported 6-Bolt
- Three angle performance valve job

Intake Valves:

- Stainless Steel 2.20"

Exhaust Valves:

- Extreme Duty Inconel Stainless Steel 1.6"

Head Studs:

- ARP Performance Heads Studs 6-bolt

Intake System:

- Fast LSxR 102mm LS7 Intake
- 102mm Nick Williams Billet Throttle Body
- 80-120lb Uscar Fuel Injectors

Combustion Chamber:

- 70cc

Flow:

- 365CFM @ .650" Lift

Spring Kit:

- Polished Double Valve Spring
- Titanium Retainers and Hardened Locks

Rocker Arms:

- GM Factory 1.8 Ratio, Comp Cam Trunion Upgrade

Pushrods:

- Smith Brothers 3/8 .083" Wall Hardened

Ignition System:

- MSD 8.5mm Plug Wires
- Autolite Racing Spark Plugs

Dyno Test Service:

- Run Engine for Full Break In and Power Test
- 2 Oil Changes using Joe Gibbs Break In Oil
- Graphs Listing HP, Torque and all Engine Vitals

Notes:

Here are Golen Engine we build each LS Street engine with the same meticulous process used in our line of racing engines to ensure top quality performance and reliability throughout its lifetime.

When you purchase one of our LS HP or Hot Rod Series Street Engines you will receive a full spec sheet listing the exact components your engine was built with. We will also provide you with a complete Set Up Guide as well as full phone tech support to aid you with the installation process. It is mandatory for you to contact Golen Engine Tech Support before starting your engine for the first time and you can reach our Tech Support Line at 1-800-591-9171 ext 2.



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Each Golen Engine Performance Street Engine comes standard with a “Three Year no Mileage Limit Warranty” to keep you confident and covered!

We are able to custom build your engine to match just about any specs you desire and offer a long list of proven upgrades, so if you do not see it just ask us!

Feel free to contact us anytime for help choosing the perfect performance engine combination!!

Thank you,

Golen Engine