



17 Dracut Road · Hudson, NH 03051 · (800) 591-9171 · [www.golenengineservice.com](http://www.golenengineservice.com)  
[questions@golenengineservice.com](mailto:questions@golenengineservice.com)

## *LQ9 408ci 550hp*



The 408ci makes max power and torque with a hydraulic cam which is very street able but also gives you the sound you are looking for!!

**Peak Horsepower:** 550bhp @ 6400 rpm  
**Peak Torque:** 540lb/ft @ 4800 rpm  
**Compression Ratio:** 11:1

**Operating Range:** 2300 – 6300rpm

**Required Fuel:** 91+ Octane Pump Gasoline

### **Block Specifications:**

#### **Block:**

- Seasoned GM LQ9 Cast Iron Block
- Zero Decked
- Bored 4.030"
- Honed with Torque Plates and Pressure Washed
- New Durabond Cam Bearings Installed
- Line Honed
- ARP Main Studs

#### **Pistons:**

- Mahle Forged pistons with Anti-Friction Coating

#### **Bearings:**

- Clevite H-Series Main and Rod Bearings

#### **Lifters:**

- Comp Cams Hydraulic Roller

#### **Covers:**

- GM Oil Pan (Camaro, Corvette, GTO or Truck)
- GM Timing Cover
- GM Rear Cover

#### **Crank:**

- Callies Comp Star 4340 Forged Steel
- 4.000" stroke
- Internally Balanced Front and Rear

#### **Rods:**

- Callies Comp Star 4340 Forged H-Beam
- 6.125" length

#### **Rings:**

- Mahle Plasma Moly

#### **Camshaft:**

- Comp Cams Hydraulic Roller

#### **Timing Set:**

- GM Single LS3 Roller

#### **Oil Delivery:**

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



17 Dracut Road · Hudson, NH 03051 · (800) 591-9171 · [www.golenengineservice.com](http://www.golenengineservice.com)  
[questions@golenengineservice.com](mailto:questions@golenengineservice.com)

- GM Lifter Valley Cover
- GM Valve Covers

**Damper:**

- Powerbond SFI
- ARP Damper Bolt

**Gaskets:**

- GM MLS Head Gaskets
- GM Cover Gaskets

**Cylinder Head Specifications:**

**Type:**

- Factory GM LS3 Aluminum Bowl Ported
- Three angle performance valve job

**Combustion Chamber:**

- 70cc

**Flow:**

- 340CFM @ .600" Lift

**Intake Valves:**

- Manley Stainless Steel 2.16"

**Spring Kit:**

- Polished Double Valve Spring
- Light Weight Tool Steel Retainers and Hardened Locks

**Exhaust Valves:**

- Manley Stainless Steel 1.59"

**Rocker Arms:**

- GM Factory 1.7 Ratio

**Head Bolts:**

- ARP Performance

**Pushrods:**

- Smith Brothers 5/16 .083" Wall Hardened

**Intake System:**

- GM Factory LS3 Intake
- 92mm Fast Billet Throttle Body
- Fast 40lb Uscar Fuel Injectors
- GM Factory Fuel Rails

**Ignition System:**

- MSD 8.5mm Plug Wires
- NGKSpark 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



17 Dracut Road · Hudson, NH 03051 · (800) 591-9171 · [www.golenengineservice.com](http://www.golenengineservice.com)  
[questions@golenengineservice.com](mailto:questions@golenengineservice.com)

for the first time and you can reach our Tech Support Line at 1-800-591-9171 ext 2.

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



17 Dracut Road · Hudson, NH 03051 · (800) 591-9171 · [www.golenengineservice.com](http://www.golenengineservice.com)  
[questions@golenengineservice.com](mailto:questions@golenengineservice.com)