

LS9 6.2L SC

19201990



The most powerful regular-production engine ever from GM!

The new LS9 6.2L supercharged—the standard engine in the 2009 Chevrolet Corvette ZR1—is a technology marvel that holds the distinction of being the most powerful regular-production engine ever offered in a GM car. It helps propel the 3,324-pound ZR1 from 0-60 in 3.4 seconds and through the quarter-mile in an astonishing 11.3 seconds at 131 mph—all the way to a top speed of 205 mph! Those stats make the ZR1 not only the most powerful car ever from GM, but the quickest and fastest, too!

GM Performance Parts is thrilled to offer the LS9 6.2L in a fully dressed crate engine package. And while it shares the 6.2L displacement of other LS engines, this one is unique, with stronger block casting, stronger cylinder-head castings and steel cylinder liners that are honed with a deck plate installed to maximize performance and cylinder sealing.

High-rpm-validated lightweight reciprocating parts, including titanium intake valves and connecting rods, are used along with high-flow cylinder heads that flow the charge forced on them by a sixth-generation supercharger. A revised, higher-helix design delivers greater power at the low end and sustains it longer through the rpm band for broad, on-demand power whether off-idle or at speed. A dual-brick charge cooler is integrated on a unique manifold system that mounts the “blower” in the engine’s valley, with charge cooler on top.

See page 300 for information on our reference guide P/N 88959384 for installing an LS engine in an older car.

FULLY DRESSED CRATE ENGINE

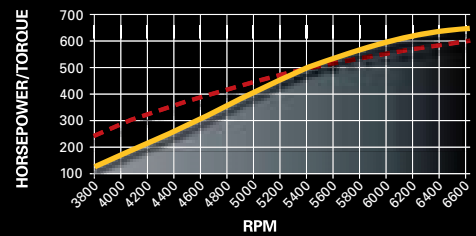
SIXTH-GENERATION SUPERCHARGER

638 HP / 604 LB-FT TORQUE

INSTALLATION NOTES

- 14-inch manual transmission flywheel included
- Assembly does not include any electronics
- Includes Corvette dry sump oil pan - requires production or aftermarket oil lines and oil tank (not included)
- Intended for pre-1976 street vehicles or any off-road vehicle
- Not intended for marine applications
- Crankshaft has unique 9-bolt flywheel mounting pattern

LS9 DYNO CHART



Horsepower: 638 @ 6500 rpm Torque (lb-ft): 604 @ 3800 rpm

POSSIBLE APPLICATIONS*

- Build your own ZR1
- A '69 Camaro with the ultimate Vette engine
- Any 4th-Gen F-body that deserves 600+ horsepower

**Applications have not been validated. They are merely suggestions of how you might enjoy your GM Performance Parts crate engine. Some applications may affect engine warranty. See page 362 for specific warranty information. Some applications may not be emission-legal; check state and local ordinances.*

LS9 TECH SPECS

Part Number:	19201990	Cylinder Heads (P/N 12621774):	Aluminum L92 style ports; as cast with 68cc chambers
Engine Type:	LS Series Gen IV Small-Block V-8	Valve Size (in):	2.16 intake / 1.59 exhaust
Displacement (cu in):	376 cu in (6.2L)	Compression Ratio:	9.1:1
Bore x Stroke (in):	4.06 x 3.62 (103.25 x 92mm)	Rocker Arms (P/N 12569167 int):	Investment-cast, roller trunnion
Block:	Cast-aluminum with 6 bolt, cross-bolted main caps	Rocker Arms (P/N 10214664 exh):	Investment-cast, roller trunnion
Crankshaft (P/N 12598610):	Forged Steel	Rocker Arm Ratio:	1.7:1
Connecting Rods (P/N 12624231):	Forged titanium	Recommended Fuel:	92 octane
Pistons (P/N 12598634):	Forged aluminum	Maximum Recommended rpm:	6600
Camshaft Type (P/N 12605527):	Hydraulic roller	Reluctor Wheel:	58X
Valve Lift (in):	.562" intake / .558" exhaust	Balanced:	Internal
Camshaft Duration (@.050 in):	211° intake / 230° exhaust		

For a complete list of parts to complement and finish this engine, turn to page 80.

Available for purchase online at gmperformanceparts.com

GM Performance Parts Crate Engines include a 24-month or 50,000-mile/80,000-kilometer limited warranty.

GM Performance Parts does not utilize any used or remanufactured parts in this crate engine.