



1996 BUICK ENGINES

SPECIFICATIONS

3800 SFI SERIES II SUPERCHARGED V-6 (L67)

FEATURES

- New redesigned supercharger
- Supercharger bypass
- Preset boost levels
- Balance shaft
- On-center cylinder design
- Mass air flow sensor
- Micro-finished crankshaft
- Computer controlled coil ignition
- Belt-driven supercharger
- Electronic spark control
- Gerotor oil pump
- Low tension piston rings
- Tubular exhaust manifolds
- Single belt accessory drive
- High-flow injectors
- Linear EGR valve
- Cast iron block and cylinder head
- New long-life spark plugs

USAGE

Standard

Park Avenue Ultra

Optional

Riviera

SPECIFICATIONS

Type	90° V-6
Piston Displacement	3.8L (231 C.I.D.)
Fuel Management	SFI
Compression Ratio	8.5:1
Bore/Stroke (in.)	3.80 x 3.40
Horsepower @ RPM	240 @ 5200
Torque @ RPM	280 @ 3200
EPA (Est.) City	17 [†]
Hwy	27 [†]

[†] Projected

3800 SFI SERIES II V-6 (L36)

FEATURES

- Sequential fuel injection
- Low deck engine block
- Larger diameter throttle body
- Improved flow ports and bigger inlet valves
- Lightweight valves, high performance springs and spring caps
- 9.4:1 compression ratio
- Direct mounted engine accessories
- Laminated oil pan
- Lightweight pistons
- Tuned intake
- Symmetrical combustion chambers
- Balance shaft
- Quieter reduced friction oil pump
- Cast iron block and cylinder head
- New long-life spark plugs

USAGE

Standard

Regal Limited and Gran Sport
LeSabre
Park Avenue
Riviera

Optional

Regal Custom

SPECIFICATIONS

Type	90° V-6
Piston Displacement	3.8L (231 C.I.D.)
Fuel Management	SFI
Compression Ratio	9.4:1
Bore/Stroke (in.)	3.80 x 3.40
Horsepower @ RPM	205 @ 5200
Torque @ RPM	230 @ 4000
EPA (Est.) City	19
Hwy	30 [†]

[†] Projected highway for Park Avenue and Riviera is 29

3.1L SFI V-6 (L82)

FEATURES

- Sequential fuel injection
- New roller rocker arms
- Low restriction aluminum intake manifold/low friction piston rings
- New mass air flow sensor
- Net build valve train (no need to adjust)
- Cast aluminum cylinder heads
- 24X ignition system
- Stiffened block skirt
- New quieter intake manifold
- Single belt accessory drive
- Steel assembled camshaft
- Forged steel connecting rods
- Die cast aluminum pan
- Cast iron block
- Low oil level sensor (Skylark/Regal)
- New long-life spark plugs

USAGE

Standard

Skylark Gran Sport
Century "Special" Wagon
Century Custom & Limited (incl.)
Regal Custom

Optional

Skylark Custom & Limited

SPECIFICATIONS

Type	60° V-6
Piston Displacement	3.1L (191 C.I.D.)
Fuel Management	SFI
Compression Ratio	9.6:1
Bore/Stroke (in.)	3.50 x 3.30
Horsepower @ RPM	160 @ 5200*
Torque @ RPM	185 @ 4000
EPA (Est.) City	21 [†]
Hwy	29

* Skylark HP — 155 @ 5200

[†] 20 on Century and Regal Custom models

2.2L PFI L-4 (LN2)

FEATURES

- Multi-port fuel injection
- Cast aluminum cylinder head
- Cast iron block
- Thin-wall exhaust manifold
- Assembled steel camshaft
- Overhead valve design
- Hydraulic roller lifters
- One piece plenum
- Low friction valve train
- Long-life spark plugs

USAGE

Standard

Century "Special" Sedan

SPECIFICATIONS

Type	Inline 4-Cylinder
Piston Displacement	2.2L (134 C.I.D.)
Fuel Management	PFI
Compression Ratio	9.0:1
Bore/Stroke (in.)	3.50 x 3.46
Horsepower @ RPM	120 @ 5200
Torque @ RPM	130 @ 4000
EPA (Est.) City	25 [†]
Hwy	32 [†]

[†] Projected

2.4L TWIN CAM L-4 (LD9)

FEATURES

- New sequential port fuel injection
- Balance shaft
- Stainless steel fuel injectors
- Fast burn combustion
- Double overhead cam
- 16 valves (4 per cylinder)
- New cast aluminum cylinder head
- Speed density fuel control
- Distributorless direct ignition (no spark plug wires) with electronic spark control
- New tuned composite intake manifold
- Gerotor oil pump
- Forged steel connecting rods
- Lightweight pistons
- Single belt accessory drive
- New inlet thermostat system
- New direct drive accessories
- New dual fan generator
- Long-life spark plugs

USAGE

Standard

Skylark

SPECIFICATIONS

Type	Inline 4-Cylinder
Piston Displacement	2.4L (146 C.I.D.)
Fuel Management	SFI
Compression Ratio	9.5:1
Bore/Stroke (in.)	3.54 x 3.70
Horsepower @ RPM	150 @ 6000
Torque @ RPM	150 @ 4400
EPA (Est.) City	22
Hwy	32

5.7L SFI V-8 (LT1)

FEATURES

- Sequential-port fuel injection
- Hydraulic roller lifters
- 3-way catalytic converter
- New enhanced ignition system
- Single belt accessory drive
- Dual oxygen and knock sensors
- New copper lead cam bearings
- New tri-layered exhaust manifold gaskets
- Angle-based optic spark control
- Oil level sensor
- Composite rocker arm covers
- Gear driven water pump
- Long-life spark plugs

USAGE

Standard

Roadmaster Sedan

Roadmaster Estate Wagon

SPECIFICATIONS

Type	90° V-8
Piston Displacement	5.7L (350 C.I.D.)
Fuel Management	SFI
Compression Ratio	10.5:1
Bore/Stroke (in.)	4.00 x 3.48
Horsepower @ RPM	260 @ 5000
Torque @ RPM	330 @ 2400
EPA (Est.) City	17
Hwy	26