



BUICK®

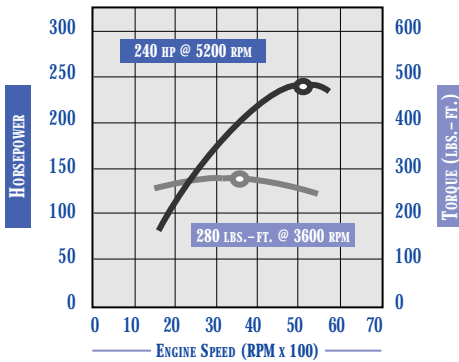
# 1997<sup>1/2</sup> REGAL

## SPECIFICATIONS

### REGAL GS SEDAN



### 3800 SERIES II SUPERCHARGED V-6 (GS)



	<i>Regal LS</i>	<i>Regal GS</i>
	<b>3800 Series II V-6</b>	<b>3800 Series II Supercharged V-6</b>
Type	90° V-6	90° V-6
Bore and Stroke (in.)	3.80 x 3.40	3.80 x 3.40
Piston Displacement (cu. in.)	231	231
Cylinder Head and Block Material	Cast Iron / Cast Iron	Cast Iron / Cast Iron
Compression Ratio	9.4:1	8.5:1
Net Horsepower @ Engine rpm	195 @ 5200	240 @ 5200
Net Torque (lbs.-ft.) @ Engine rpm	220 @ 4000	280 @ 3600
Recommended Fuel	Unleaded Regular	Unleaded Premium
Fuel Management	Sequential-Port Fuel Injection	Supercharged Sequential-Port Fuel Injection
Oil Capacity (qts.)	4 (5 w/ filter)	4 (5 w/ filter)
EPA Fuel Economy Rating, City/Hwy (Projected)	19/30	18/28

### SUSPENSION

Front Suspension Type	MacPherson Strut with L-Shaped Lower Control Arm and Aluminum Knuckle
Shock Absorbers	Twin-tube strut
Stabilizer (in.)	1.18 — Hollow
Rear Suspension Type	Tri-Link Independent, Coil Spring Over Strut
Shock Absorbers	Twin-tube strut
Stabilizer (in.)	.55 — Solid (LS) .68 — Hollow (GS & Y56)

### TRANSAXLE

Automatic Transmission with overdrive	
Type	Electronically Controlled Four-Speed with Torque Converter Clutch
Selector Pattern	PRND321
Gear Ratio (each times converter ratio)	
First	2.92
Second	1.57
Third	1.00
Fourth	0.71
Reverse	2.39
Final Drive Ratio	3.05 (LS); 2.93 (GS)
Cooling	Liquid
Capacity — Dry (pts.)	13.4

### STEERING

Steering Gear Type	Rack-and-Pinion Magnetic Variable Effort
Overall Ratio	15.2:1 (LS); 13.3:1 (GS)
Number of Wheel Turns (stop to stop)	2.76 (LS); 2.39 (GS)
Turning Diameter (ft.) (curb to curb)	37.5
Linkage	Rear
Tie Rods, Number	2

### CHASSIS

Chassis/Body	Integral Body/ Frame Construction
Body Material	Steel

### BRAKES

Power Brake Type	Power Four-Wheel Disc Anti-Lock System
Self-Adjusting Feature	Standard
Hydraulic System Type	Split Diagonal
Effective Area Total (sq. in.)	54.25
Gross Lining Area Total (sq. in.)	54.2
Swept Area Total (sq. in.)	350.2
Outer Rotor Diameter (in.) (F/R)	10.3/10.7
Inner Rotor Diameter (in.) (F/R)	6.7/8.1
Rotor Thickness (in.) (F/R)	1.3/0.4
Front Rotor Material and Type	Cast Iron — Vented
Rear Rotor Material and Type	Cast Iron — Solid with Integral Parking Brake Drum
Brake Lining Material	Semi-Metallic Front; Non-Asbestos Rear
Front Lining	
Outboard (in.)	4.96 x 1.81 x 0.60
Inboard (in.)	4.96 x 1.81 x 0.60
Rear Lining	
Outboard (in.)	3.58 x 1.32 x 0.35
Inboard (in.)	3.58 x 1.32 x 0.35
<b>PARKING BRAKE</b>	
Control	Foot Pedal
Operated On	Rear Brakes with Drum-in-Hat Mechanism
Operation	Push-to-Set-and-Release
Release Location	Left of Driver's Left Knee

### MAJOR CHANGES FOR 1997

#### Powertrain/Chassis/Suspension:

- Two models: LS and GS
- 3800 Series II V-6 standard on Regal LS
- 3800 Series II Supercharged V-6 standard on Regal GS
- 4T60E HD four-speed automatic transmission with new electronically controlled converter clutch (LS)
- 4T65E HD four-speed automatic transmission with electronically controlled converter clutch (GS)
- Traction control (Std), full-range on GS
- Magnetic variable effort steering (Std)
- Grind protection renders starter inoperative while engine is running
- Touring suspension (LS)
- Dual exhaust tips (Std) (bright tips on GS)

#### Exterior:

- All-new styling with two new exterior colors: Santa Fe Red Pearl (53) and Royal Orchid Pearl (89)
- Integral fog lamps
- Cornering lamps
- New bolt-on wheelcover design (Std LS)
- Two new aluminum wheel designs (Std 16" GS; and Avail 15" and 16" on LS)
- New 16" chrome-plated aluminum wheel design (Avail LS/GS)

#### Interior:

- All-new interior design with new instrument panel and full-length operating console
- Driver information center (Std GS; Avail LS)
- Bucket seats standard — Cloth trim on LS; Leather trim on GS (Avail LS)
- New cloth fabric for LS — Dunbar
- One new interior color: Bordeaux Red
- Theater seating for rear passengers
- Rear-seat center armrest with dual cup holders
- Rear-seat pass-through to luggage compartment (N.A. with child safety seat)
- Leather-wrapped steering wheel (Std)
- Lap belts to seat design for driver and outboard front-seat passenger
- Triple door seals
- Check tire pressure indicator light (Std GS) (N.A. LS)
- Oil-life monitor (Std)

#### New Standard Equipment:

- Air filtration system
- Programmable automatic door locks
- Remote keyless entry
- Warning lights for door ajar and trunk ajar
- *New Convenience Plus Features*
  - Daytime running lamps with Twilight Sentinel®
  - Battery Rundown Protection
  - Lockout protection
  - Retained accessory power
  - Low fuel reminder tone
- ETR® AM-FM stereo cassette player with automatic tone control (GS)

- Heated power remote outside mirrors

#### New Optional Equipment:

- Rear-window antenna
- Remote 12-disc CD changer
- Cellular phone readiness package
- Electrochromic automatic dimming inside rearview mirror
- Heated driver and passenger seats (Requires leather trim)
- Integrated child safety seat
- Dual automatic ComforTemp climate control (GS)