

# Engine Cooling Systems

## ENGINE COOLANT SPECIFICATIONS (Cont.)

### GENERAL MOTORS – BUICK

#### THERMOSTAT

Thermostat should operate at 195°F on all engines.

#### WATER PUMP

Water pumps are serviced only as an assembly.

#### PRESSURE CAP

All models use a 15 psi pressure cap which should be tested at 14-18 psi.

#### MAINTENANCE

Inspect cooling system every 12 months or 15,000 miles. Drain and flush cooling system every 24 months or 30,000 miles.

BUICK COOLANT CAPACITY (Qts.)					
Application	Standard	With A/C	Application	Standard	With A/C
1.8L (112") 4-Cyl. ....	8.0	8.0	5.0L (307") V8		
2.0L (122") 4-Cyl. ....	8.0	8.0	Electra & LaSabre .....	15.4	ⓐ16.2
2.5L (151") 4-Cyl.			Riviera .....	16.4	16.2
Man. Trans. ....	9.5	9.8	5.7L (350") V8 Diesel		
Auto. Trans. ....	ⓑ9.4	ⓑ9.7	Electra & LaSabre .....	18.0	18.0
2.8L (173") V6			Regal .....	17.3	17.3
Man. Trans. ....	11.5	ⓐ11.8	Riviera .....	18.1	18.1
Auto. Trans. ....	11.3	ⓐ11.7			
3.0L (181") V6 .....	14.4	ⓐ13.6	① – 12.1 quarts for Century with manual transmission and heavy duty cooling.		
3.8L (231") V6 Turbo .....	13.7	13.5	② – 9.9 quarts for Century with manual transmission and heavy duty cooling.		
3.8L (231") & 4.1L (252") V6 .....	13.0	13.1	③ – 12.1 quarts with heavy duty cooling.		
4.3L (262") V6 Diesel			④ – 14.0 quarts with heavy duty cooling.		
Regal .....	14.8	14.8	⑤ – 16.1 quarts with heavy duty cooling.		
Skylark .....	13.2	13.9			

### GENERAL MOTORS – CADILLAC

#### THERMOSTAT

All models use a thermostat that starts to open at 192-199°F, and is fully open at 219°F.

#### PRESSURE CAP

All models use a 15 psi pressure cap which should be tested at 12-16 psi.

CADILLAC COOLANT CAPACITY (Qts.)	
Application	Capacity
1.8L (112") & 2.0L (122") 4-Cyl.	
Man. Trans. ....	8.7
Auto. Trans. ....	9.3
4.1L (252") V6	
Eldorado & Seville .....	13.0
All Other Models .....	18.2
4.1L (250") V8 .....	11.8
5.7L (350") V8 Diesel	
Eldorado & Seville .....	18.4
All Other Models .....	23.7
6.0L (368") V8 .....	21.4

#### WATER PUMP

Water pumps are serviced only as an assembly.

**NOTE** – Some water pumps may have a reddish or greenish coolant stain at vent hole below shaft. This is a normal condition and water pump should not be serviced unless it is obviously leaking with the engine running.

#### MAINTENANCE

Inspect cooling system every 12 months or 15,000 miles. Drain and flush cooling system with water only, every 24 months or 30,000 miles.

### GENERAL MOTORS – CHEVROLET

#### THERMOSTAT

Thermostat contains a restriction valve actuated by a thermostatic element. On Chevette models, thermostat is designed to open and close at 190° F. On all other models, thermostat is designed to open and close at 195° F.

#### WATER PUMP

Water pumps are serviced as an assembly only.

#### PRESSURE CAP

All models use a 15 psi pressure cap which should be tested at 14-17 psi.

#### MAINTENANCE

Inspect cooling system every 12 months or 15,000 miles. Drain and flush cooling system every 24 months or 30,000 miles.