

# Engine Cooling Systems

## GENERAL MOTORS

COOLING SYSTEM CAPACITIES			
Application	Approximate Capacity <sup>①</sup>		
	Standard System Manual Transmission	Heavy Duty Radiator	With Air Conditioning
4.1L (250")			
C & K10	15	15	15.5
C20	15	15	15.5
G10/30	17	17	17
4.8L (292")			
C20	15	15	15.5
C & K30	14	14	15
P10/30	13.5	13.5	.....
5.0L (305")			
C & K10	17.5	17.5	17.5
G10	19	19	20
5.7L (350")			
C & K10/30	17.5	18	18
P20	16.5	17	.....
G10/30	.....	20	20
6.5L (400")			
K20	18	19	20
G20	20	20	20
G30	21	21	21
7.4L (454")			
C20/30	23	23	24
P30	24.5	24.5	24.5

① — Add .5 qt. for automatic transmission.

### PRESSURE CAP

Application	psi
All Models .....	15

**NOTE** — On some vehicles, it may be necessary to loosen or remove alternator and (if equipped) air conditioning, power steering brackets to prevent removal interference.

2) Remove pump-to-block attaching bolts and remove water pump.

### THERMOSTAT

Application	① Rating °F
All .....	195

① — Thermostat should be full open at 25°F above stamped rating and fully closed at 10°F below stamped rating.

**Installation** — Clean mating surfaces of water pump and engine block. Using a new gasket, install water pump making sure attaching bolts are tightened uniformly.

**NOTE** — On V8 gasoline engines, apply a 1/8" bead of RTV sealer to sealing edges of water pump legs before installing.

### WATER PUMP

**Removal** — 1) Disconnect battery cable and drain cooling system. Remove accessory drive belts and disconnect water hoses from water pump. Remove fan (or fan clutch) to water pump hub attaching bolts and remove fan and pulley.

### TIGHTENING SPECIFICATIONS

Application	Ft. Lbs.
Water Pump Attaching Bolts	
6 Cyl. Engines .....	15
V8 Engines .....	30
V8 Diesel Engines .....	13