

Engine Cooling Systems

GENERAL MOTORS

CHEVROLET & GMC COOLING SYSTEM CAPACITY

Application	Quarts
250" Engine	
"G" Models	
Auto. Trans. & H.D. Radiator	15.2
All Others	15.0
"C" & "K" Models	
Auto. Trans. & Air Cond.	15.6
All Others	15.0
292" Engine	
"P" Models	13.6
"C", "K" & "G" Models	① 14.8
350" Engine	
"C" Models	
Man. Trans.	② 17.6
Auto. Trans.	③ 17.4
"P" Models	
Man. Trans.	④ 16.6
Auto. Trans.	16.9
"K" Models	
Man. Trans.	② 17.6
Auto. Trans.	17.8
G10-15 Models	
Man. Trans.	② 17.9
Auto. Trans.	② 17.7
G20-35 Models	
Man. Trans.	② 17.9
Auto. Trans.	18.2
400" Engine	
K10-15 Models	⑤ 19.7
K20-25 Models	20.4
"G" Models	
Man. Trans.	18.2
Auto. Trans.	19.9
454" Engine	
"P" Models	23.6
C10-15 Models	⑤ 24.0
C20-25 Models	
Man. Trans.	24.4
Auto. Trans.	24.7
455" Engine	
Motor Homes	21

- ① — Add .6 qt. with air conditioning except on "G" models.
 ② — Add .5 qt. with air conditioning and heavy duty radiator.
 ③ — Add .4 qt. with air conditioning and heavy duty radiator.
 ④ — Add .6 qt. with heavy duty radiator.
 ⑤ — Add .7 with air conditioning and heavy duty radiator.

CHEVROLET & GMC PRESSURE CAP

Application	PSI
Motor Home	9
All Other Models	15

CHEVROLET & GMC THERMOSTAT

Application	① Rating °F
C2500 & C3500 W/292" or 454" (Calif. Only)	180
All Others	195

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

WATER PUMP

ALL MODELS EXCEPT MOTOR HOME

Removal — Drain cooling system and loosen fan pulley bolts. Disconnect heater hose, lower radiator hose and by-pass hose at water pump. Loosen alternator and remove drive belt. Remove fan bolts, fan and pulley. **NOTE** — *Thermostatic fan clutches must be supported so clutch disc remains in a vertical plane to prevent silicone fluid leakage.* Remove water pump attaching bolts and water pump assembly. **CAUTION** — *On 6 cylinder engines, pull pump straight out of block to avoid damaging impeller.*

Installation — Clean gasket surfaces, install new hoses (as required) and gaskets. Reverse removal procedure, tighten bolts, adjust drive belt tension and refill cooling system.

GMC MOTOR HOME

Removal — Drain cooling system. Remove heater hose and disconnect by-pass hose from water pump. Remove all drive belts. Raise on a twin post hoist. **CAUTION** — *Size and weight of vehicle necessitates use of a twin post hoist ONLY.* Remove fan clutch-to-water pump hub and position assembly forward in the shroud taking care not to damage radiator. Remove venturi ring and water pump pulley. Disconnect power steering pump and left hand upper venturi ring bracket. Remove water pump attaching bolts, and water pump assembly.

Installation — Clean gasket surfaces, install new hoses (as required) and gaskets. Reverse removal procedure, tighten bolts, adjust drive belt tension, and refill cooling system.

TIGHTENING SPECIFICATIONS

Application	Ft. Lbs.
Water Pump Attaching Bolts	
6 Cyl. Engines	15 ICNH Lbs.
V8 Engines Except Motor Home	30
V8 Engines Motor Home	25-30