

GENERAL MOTORS

WATER PUMP

ALL MODELS (EXC. 4-CYL.)

Removal

Disconnect battery cable and drain cooling system. Remove heater hose, if necessary. 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. Remove pump-to-block attaching bolts and remove water pump.

NOTE: On some vehicles, it may be necessary to loosen or remove generator adjusting brace or air conditioner hose bracket nuts to prevent removal interference.

4-CYL. MODELS

Removal

Disconnect battery cable. Remove cover the attaching bolts and cover. Drain radiator. On non-air conditioned models, remove engine fan. On air conditioned models, remove engine fan, fan pulley and air pump drive pulley. Remove fan set plate and pulley. Remove water pump assembly.

ALL MODELS

Installation

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

4-CYL. MODELS

Removal

Disconnect battery cable. Remove cover the attaching bolts and cover. Drain radiator. On non-air conditioned models, remove engine fan. On air conditioned models, remove engine fan, fan pulley and air pump drive pulley. Remove fan set plate and pulley. Remove water pump assembly.

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 and diesel engines, apply a 1/8" bead of RTV sealant to sealing edges of water pump before installing.

SPECIFICATIONS

PRESSURE CAP

| Application | psi (kg/cm ²) |
|------------------|---------------------------|
| All Models | 15 (1) |

THERMOSTAT

| Application | Rating °F (°C) |
|-----------------------|----------------|
| All Thermostats | 195 (91) |

COOLING CAPACITIES

| Application | Quarts (Liters) |
|------------------------|-----------------|
| 1.9L 4-Cyl. | |
| All Models | 9.4 (8.9) |
| 2.8L V6 | |
| All Models | 12.0 (11.4) |
| 4.1L 6-Cyl. | |
| Van Models | 17.0 (16.1) |
| All Other Models | 15.5 (14.7) |
| 4.8L 6-Cyl. | |
| "P" Models | 13.5 (12.8) |
| All Other Models | 15.5 (14.7) |
| 5.0 & 5.7L V8 | |
| With A/C | 18.0 (17.1) |
| Without A/C | 17.5 (16.6) |
| 6.2L V8 Diesel | |
| With A/C | 24.5 (23.3) |
| Without A/C | 23.0 (21.7) |
| 7.4L V8 | |
| With A/C | 24.5 (23.3) |
| Without A/C | 23.0 (21.7) |

TIGHTENING SPECIFICATIONS

| Application | Ft. Lbs. (N.m) |
|----------------------------|----------------|
| Water Pump Attaching Bolts | |
| All Models | 15 (20) |