

# Engine Cooling Systems

## ENGINE COOLANT CAPACITIES (Cont.)

### GENERAL MOTORS (Cont.)

#### CADILLAC

CAPACITY (Qts.)	
Application	Capacity
Seville .....	17.2
Eldorado .....	25.7
All Others .....	20.8

#### THERMOSTAT

Thermostat should initially open at 192-199° F and be fully open at 219° F.

#### PRESSURE CAP

All models use a 15 lb. radiator cap. Test at 13.5-16.5 lbs.

Overhaul of water pump on all models except Seville is possible only if special tool kit is used. Tool kit and overhaul parts kits are available. Water pump on Seville should not be overhauled if defective. It must be replaced.

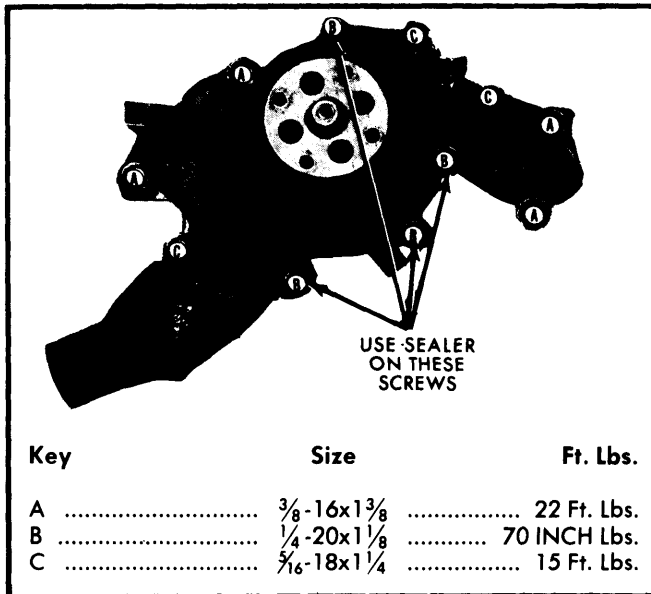


Fig. 7 Water Pump Bolt Location (Exc. Seville)

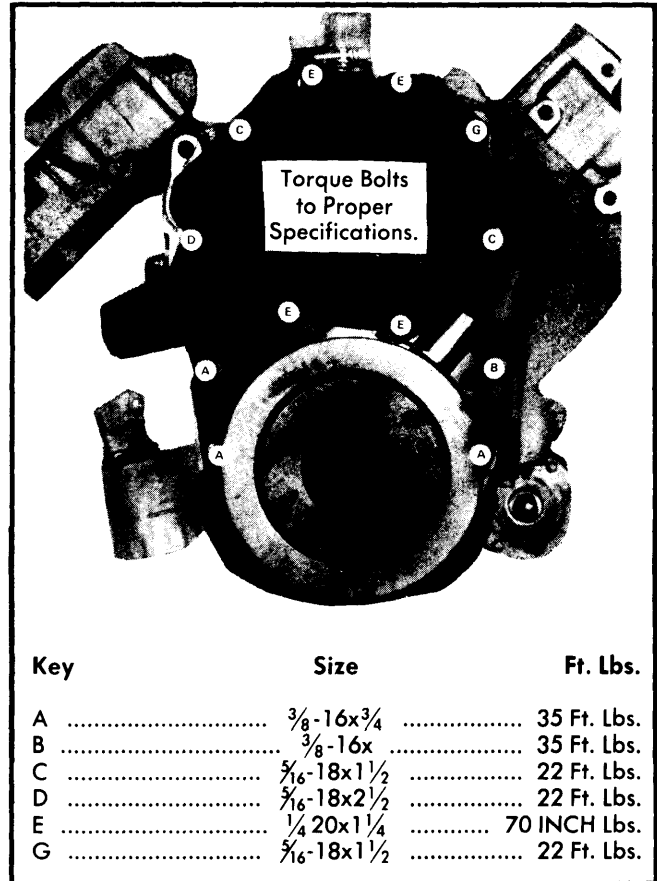


Fig. 8 Water Pump Bolt Location (Seville)

#### WATER PUMP

**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 every 24 months or 30,000 miles.

### CHEVROLET

#### THERMOSTAT

Thermostat contains a restriction valve actuated by thermostatic element and is designed to open and close at predetermined temperatures. Applications are as follows:

All except Chevette 195° F                      Chevette 190° F.

#### PRESSURE CAP

All models use a 15 lb. pressure cap. Test at 14-16 lbs.

#### WATER PUMP

Water pumps are serviced as an assembly only.

#### MAINTENANCE

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

## ENGINE COOLANT CAPACITIES (Cont.)

### GENERAL MOTORS (Cont.)

#### CHEVROLET (Cont.)

CAPACITY (Qts.)					
Application	Standard	With A/C	Application	Standard	With A/C
<b>Monza</b>					
151" 4-Cyl. ....		11	305" V-8 .....	17.5	18.5
196" 6-Cyl. ....		12	350" V-8 .....	17.5	18.5
231" 6-Cyl. ....		12	<b>Chevrolet</b>		
305" V-8 .....		16	250" 6-Cyl. ....	14	15
<b>El Camino, Malibu</b>			305" V-8 .....	16.5	18.5
200" 6-Cyl. ....	15.0	16.0	350" V-8 .....	16.5	18.5
231" 6-Cyl. ....	15.0	16.0	<b>Chevette</b>		
305" V-8 .....	18.0	20.0	98" 4-Cyl. ....	8.5	9
350" V-8 .....	18.0	20.0	<b>Nova</b>		
<b>Monte Carlo</b>			250" 6-Cyl. ....	14	15
231" 6-Cyl. ....	15.0	16.0	305" V-8 .....	16	17
305" V-8 .....	18.0	20.0	350" V-8 .....	16	17
<b>Camaro</b>			<b>Corvette</b>		
250" 6-Cyl. ....	15	16	350" V-8 .....	21	21

## OLDSMOBILE

CAPACITY (Qts.)		
Application	Standard	With A/C
<b>Starfire</b>		
151" 4-Cyl. ....	11.0	11.5
231" 6-Cyl. ....	11.8	12.3
305" V-8 .....		16.3
<b>Omega</b>		
231" 6-Cyl. ....		12.8
305" V-8 .....	15.8	①16.0
350" V-8 (VIN L) .....	16.0	16.8
<b>Delta 88, Custom Cruiser, Ninety-Eight</b>		
231" 6-Cyl. ....		12.3
260" V-8 .....	16.3	②16.3
350" V-8 (VIN R) .....	14.5	③14.5
350" (Diesel) .....	18.0	18.0
403" V-8 .....	15.7	16.5
<b>Cutlass, Cutlass Cruiser</b>		
231" 6-Cyl. ....	12.0	12.9
260" V-8 .....	16.3	④16.3
305" & 350" V-8 .....	15.5	⑤15.5
<b>Toronado</b>		
All .....	17.4	17.2

① - 16.8 with heavy duty cooling.  
 ② - 17.3 with heavy duty cooling.  
 ③ - 15.5 with heavy duty cooling.  
 ④ - 16.9 with heavy duty cooling.  
 ⑤ - 16.3 with heavy duty cooling.

THERMOSTAT		
Application	Opens	Fully Opens
140" .....	180°F	212°F
231" .....	⓪195°F	222°F
All Others .....	195°F	222°F
⓪ - Calif. models open at 180°F.		

## PRESSURE CAP

All models use a 15 lb. radiator pressure cap. Test at 14-17 lbs. pressure.

## WATER PUMP

Water pump on all models is serviced as an assembly only. Install pump assembly on front cover using new gasket and suitable sealer.

## MAINTENANCE

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