

ENGINE COOLANT CAPACITIES (Cont.)

FORD MOTOR CO. (Cont.)

PRESSURE VALVE

Mustang, Pinto, Bobcat, Maverick and Comet models all use a 13 psi pressure cap which should be tested at 11-17 psi. All other models use a 16 psi cap which should be tested at 13-19 psi.

WATER PUMP

Ford Motor Co. recommends replacement of water pump if wear or damage exists. No attempt to overhaul or repair pump should be made.

MAINTENANCE

NOTE – Vehicles designate maintenance schedule "A" or "B" on glovebox and engine emission control information decal.

Inspect cooling system every 15 months or 15,000 miles on vehicles with maintenance schedule "B", and every 20 months or 20,000 miles on vehicles with maintenance schedule "A". Drain, clean and flush system if inspection indicates sufficient dirt or rust to impair cooling ability. Ford Motor Co. recommends that coolant should be replaced every 40 months or 40,000 miles.

GENERAL MOTORS

BUICK

CAPACITY (Qts.)		
Application	Standard	With A/C
Skyhawk		
231" V6	①11.5	①11.5
Skylark		
231" V6	12.7	12.8
301" V8	18.6	19.2
350" V8	15.6	15.6
LeSabre, Estate Wagon, Electra, Riviera		
231" V6	12.0	12.0
301" V8	17.2	②17.1
350" V8 (Dist. Frt.)	14.2	②14.1
350" V8 (Dist. Rear.)	14.6	②14.5
403" V8	15.7	②15.6
Century & Regal		
231" V6 (Man. Trans.)	12.9	12.8
231" V6 (Auto Trans.)	12.8	12.7
350" V8 (Dist. Frt.)	14.3	③14.9
350" V8 (Dist. Rear.)	15.3	③15.9
403" V8	16.4	③17.0

① – Calif. & High Alt. add .5 Qts.
 ② – With Hvy. Duty Cooling add .9 Qts.
 ③ – With Hvy. Duty Cooling add 1.3 Qts.

THERMOSTAT

Thermostat should operate at 195°F on all engines.

PRESSURE VALVE

All models use a 15 lb. radiator cap.

WATER PUMP

Water pump should be serviced as an assembly only if there is excessive endplay or roughness in bearing operation.

MAINTENANCE

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

CADILLAC

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

THERMOSTAT

Thermostat should initially open at 177-182°F. and be fully open at 202°F.

PRESSURE VALVE

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

Engine Cooling Systems

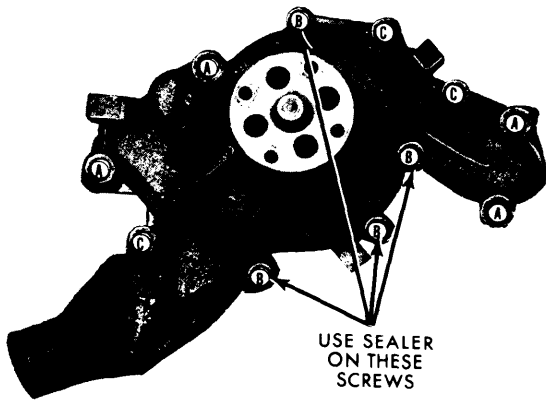
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GENERAL MOTORS (Cont.)

CADILLAC (Cont.)

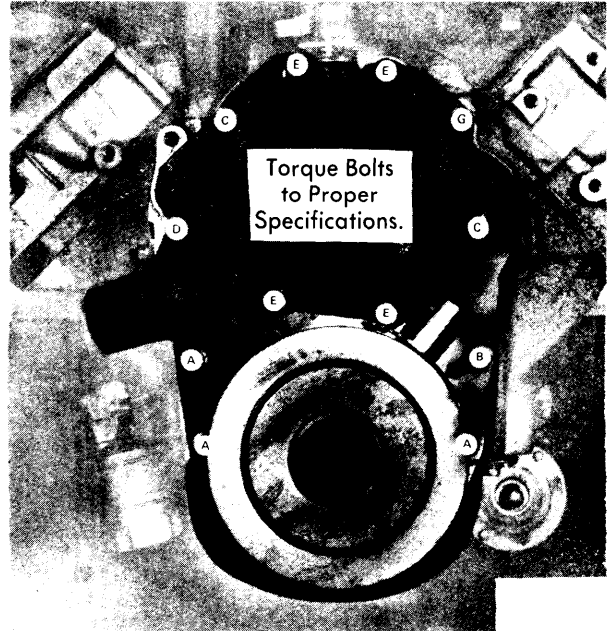
WATER PUMP

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.



Key	Size	Ft. Lbs.
A	$\frac{3}{8}$ -16x1 $\frac{3}{8}$	22 Ft. Lbs.
B	$\frac{1}{4}$ -20x1 $\frac{1}{8}$	70 INCH Lbs.
C	$\frac{5}{16}$ -18x1 $\frac{1}{4}$	15 Ft. Lbs.

Fig. 7 Water Pump Bolt Locations (All Except Seville)



Key	Size	Ft. Lbs.
A	$\frac{3}{8}$ -16x $\frac{3}{4}$	35 Ft. Lbs.
B	$\frac{3}{8}$ -16x	35 Ft. Lbs.
C	$\frac{5}{16}$ -18x1 $\frac{1}{2}$	22 Ft. Lbs.
D	$\frac{5}{16}$ -18x2 $\frac{1}{2}$	22 Ft. Lbs.
E	$\frac{1}{4}$ 20x1 $\frac{1}{4}$	70 INCH Lbs.
G	$\frac{5}{16}$ -18x1 $\frac{1}{2}$	22 Ft. Lbs.

Fig. 8 Water Pump Attaching Bolt Location (Seville Models)

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.

MAINTENANCE

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

CHEVROLET

CAPACITY (Qts.)					
Application	Standard	With A/C	Application	Standard	With A/C
Chevette			Camaro		
1.4 & 1.6 Liter	8.5	9.0	250" 6 Cyl.	15.0	16.0
Vega			305" & 350" V8	17.5	18.5
122" & 140" 4 Cyl.	8.0	8.0	Nova		
Monza			250" 6 Cyl.	14.0	15.0
140" 4 Cyl.	8.5	8.5	305" & 350" V8	17.0	18.0
262" & 305" V8	18.5	18.5	Monte Carlo		
Chevelle & El Camino			All	17.5	18.5
All 6 Cyl.	15.0	17.0	Chevrolet		
All V8	17.5	18.5	250" L-6	15.0	16.0
Corvette			305" & 350" V8	18.0	19.9
All	21.0	21.0			