

# Engine Cooling Systems

## FORD MOTOR CO.

| CAPACITY (Qts.)                       |         |             |
|---------------------------------------|---------|-------------|
| Application                           | Non A/C | A/C or Opt. |
| <b>Pinto &amp; Bobcat</b>             |         |             |
| 2300 cc 4-Cyl. ....                   | 8.7     | 9.0         |
| 2800 cc V6.....                       | 12.5    | 13.2        |
| <b>Mustang II</b>                     |         |             |
| 2300 cc 4-Cyl. ....                   | 8.5     | 9.1         |
| 2800 cc V6.....                       | 12.3    | 13.2        |
| 302" V8.....                          | 16.3    | 16.3        |
| <b>Maverick &amp; Comet</b>           |         |             |
| 250" 6 Cyl. ....                      | 10.5    | 10.7        |
| 302" V8.....                          | 14.4    | 14.6        |
| 351" W V8.....                        | 15.7    | 16.7        |
| <b>Torino, Montego, Elite, Cougar</b> |         |             |
| 351" M V8.....                        | 17.1    | 18.0        |
| 351" M V8①.....                       | 17.5    | 17.5        |
| 351" W V8.....                        | 15.9    | 16.2        |
| 400" V8.....                          | 17.1    | 17.5        |
| 400" V8②.....                         | 18.0    | 18.0        |
| 460" V8.....                          | 19.2    | 19.2        |
| 460" V8②.....                         | 19.7    | 19.7        |
| <b>Ford &amp; Mercury</b>             |         |             |
| 351" M V8.....                        | 17.1    | 17.6        |
| 400" V8.....                          | 17.1    | 17.6        |
| 460" V8.....                          | 18.5    | 18.5        |
| 460" V8①.....                         | 19.0    | 19.0        |
| 460" V8②.....                         |         | 20.0        |
| 460" V8 Wagon.....                    |         | 19.0        |
| <b>Mark IV</b>                        |         |             |
| 460" V8.....                          |         | 19.8        |
| 460" V8 Heated Wind. ....             |         | 19.9        |
| <b>Thunderbird</b>                    |         |             |
| 460" V8.....                          |         | 19.3        |
| 460" V8 Trailer.....                  |         | 19.8        |
| 460" V8 Heated Wind. ....             |         | 19.4        |
| <b>Lincoln</b>                        |         |             |
| 460" V8.....                          |         | 19.7        |

① - Medium Trailer Tow.  
 ② - Heavy Trailer Tow.  
 NOTE - Add one quart with closed cooling systems.

### THERMOSTAT

On all engines except V6, thermostat is located in water outlet elbow. On V6 engines, thermostat is located on bottom of water pump housing. Thermostat housing connects to lower radiator hose. Test thermostat to see that it starts to open at specified temperature and is fully open at specified temperature.

#### Thermostat Opening Temperatures (°F)

| Application      | Starts Open  | Fully Opens |
|------------------|--------------|-------------|
| All Engines..... | 188-195..... | 212-215     |

### PRESSURE VALVE

Mustang, Pinto, Bobcat, Maverick and Comet models all use at 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 be replaced every 40 months or 40,000 miles.

## GENERAL MOTORS

### BUICK

| CAPACITY (Qts.)   |         |      |
|---|---------|------|
| Application   | Non A/C | A/C  |
| <b>Skyhawk</b>  |         |      |
| 231" V6.....  | 13.5    | 13.9 |
| <b>Skylark</b>  |         |      |
| 231" V6.....  | 16.6    | 16.7 |
| 260" V8.....  | 22.4    | 22.9 |
| 350" V8.....  | 17.9    | 18.5 |
| <b>Century, Regal, LeSabre, Estate Wagon, Electra &amp; Riviera</b> |         |      |
| 231" V6.....  | 15.5    | 15.4 |
| 350" V8.....  | 16.9    | 17.2 |
| W/HD Cool. ....   | 18.7    | 18.7 |
| 455" V8.....  | 19.7    | 20.0 |
| W/HD Cool. ....   | 21.5    | 21.5 |

### 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.