

## SPECIFICATIONS

### General Specifications

Item	Specification
Cooling System Capacity	15.2 L (4.0 gal)
<b>Coolant Type</b>	
Motorcraft Premium Gold Engine Coolant VC-7-A (in California, Oregon and New Mexico VC-7-B, in Canada CVC-7-A) or equivalent (yellow color)	WSS-M97B51-A1
<b>Other Chemicals</b>	
Premium Cooling System Flush VC-1	ESR-M14P7-A
Motorcraft Metal Surface Cleaner ZC-21	WSE-M5B392-A
Cooling System Stop Leak Pellets VC-6	WSS-M99B37-B6
Cooling System Pressure Test Specifications	138 kPa (20 psi)
Radiator Cap Pressure Test Specifications	110 kPa (16 psi)
<b>Thermostat Opening Temperatures</b>	
Starts to open (4.0L)	90-94°C (194-201°F)
Fully open (4.0L)	106°C (223°F)
Starts to open (4.6L)	80-83°C (175-182°F)
Fully open (4.6L)	94.5°C (202°F)

### Torque Specifications

Description	Nm	lb-ft	lb-in
Block heater retaining screw	2	—	18
Upper thermostat housing bolts — 4.0L (SOHC)	10	—	89

### Torque Specifications (Continued)

Description	Nm	lb-ft	lb-in
Lower thermostat housing bolts — 4.0L (SOHC)	12	9	—
Thermostat housing bolts — 4.6L (3V)	10	—	89
Alternator support bracket — 4.6L (3V)	10	—	89
Coolant crossover assembly bolts — 4.6L (3V)	10	—	89
Coolant pump pulley bolts — 4.0L (SOHC)	25	18	—
Coolant pump bolts — 4.0L (SOHC)	10	—	89
Coolant pump pulley bolts — 4.6L (3V)	25	18	—
Coolant pump bolts — 4.6L (3V)	25	18	—
Radiator support brackets	10	—	89
A/C condenser bolts	10	—	89
Power steering tubes and A/C condenser nut	10	—	89
Power steering reservoir bolt	8	—	71
Degas bottle bolts	8	—	71
Cooling fan motor and shroud bolts	9	—	80
Transmission cooler bolts (if equipped)	10	—	89