



Thermostat

Replacement

NOTE: Use new gaskets and O-rings when reassembling.

ENGINE COOLANT TEMPERATURE (ECT) SENSOR
18 N·m (1.8 kg-m, 13 lb-ft)

O-RING
Replace.

THERMOSTAT COVER

6 x 1.0 mm
12 N·m (1.2 kg-m, 9 lb-ft)

THERMOSTAT COVER SEAL
Replace.

BLEED BOLT
10 N·m (1.0 kg-m, 7 lb-ft)

ECT GAUGE SENDING UNIT
9 N·m (0.9 kg-m, 7 lb-ft)
Apply liquid gasket to the threads.

WATER PASSAGE

THERMOSTAT HOUSING

THERMOSTAT
Install with pin up.

Testing

Replace thermostat if it is open at room temperature.

To test a closed thermostat:

1. Suspend the thermostat in a container of water as shown.
2. Heat the water and check the temperature with a thermometer. Check the temperature at which the thermostat first opens and at full lift.

CAUTION: Do not let thermometer touch bottom of hot container.

3. Measure lift height of thermostat when fully open.

STANDARD THERMOSTAT

Lift height: above 10 mm (0.39 in)
Starts opening: 172°F ± 3°F (78° ± 2°C)
Fully open: 194 F (90 C)

