

THERMOSTAT

THERMOSTAT REMOVAL

1. DRAIN COOLANT

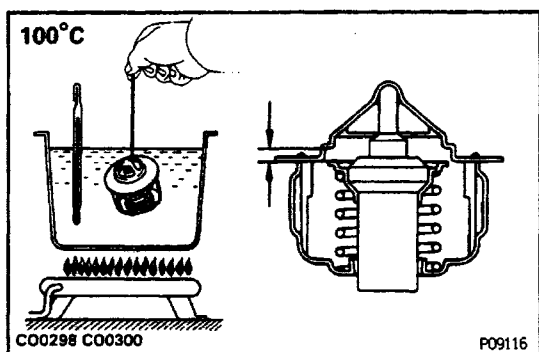
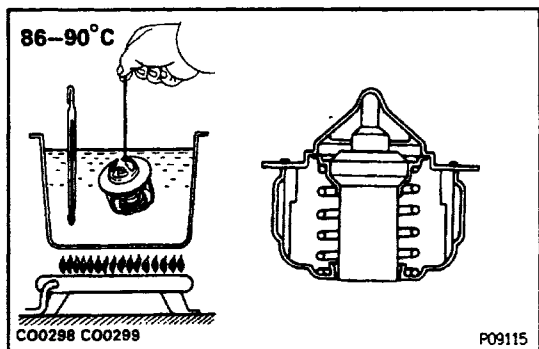
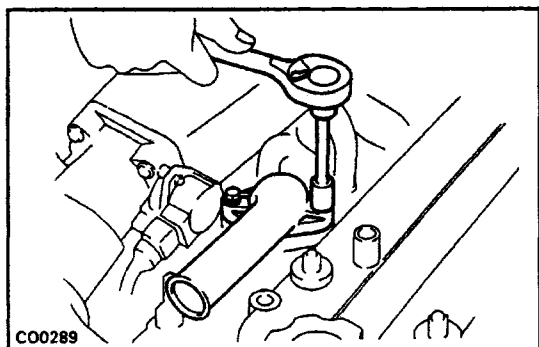
2. DISCONNECT THESE HOSES:

- (a) Vacuum hoses
- (b) PCV hose
- (c) w/ A/C:
Idle-up hose

3. DISCONNECT RADIATOR INLET HOSE

4. REMOVE THERMOSTAT

- (a) Remove the 2 bolts and water outlet from the intake manifold.
- (b) Remove the thermostat with the gasket.
- (c) Remove the gasket from the thermostat.



THERMOSTAT INSPECTION

HINT: The thermostat is numbered according to the valve opening temperature.

- (a) Immerse the thermostat in water and heat the water gradually.
- (b) Check the valve opening temperature and valve lift.

Valve opening temperature:

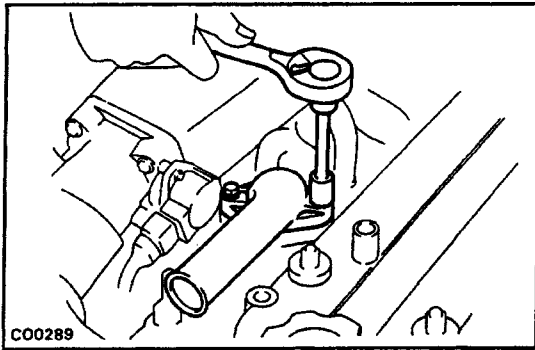
86 - 90°C (187 - 194°F)

Valve lift:

At 100°C (212°F): 8 mm (0.31 in.) or more

If the valve opening temperature and valve lift are not within specifications, replace the thermostat.

- (c) Check that the valve spring is tight when the thermostat is fully closed, and replace if it is not tight.



THERMOSTAT INSTALLATION

1. PLACE THERMOSTAT IN INTAKE MANIFOLD

- (a) Place a new gasket to the thermostat.
- (b) Install the thermostat to the intake manifold.
- (c) Install the water outlet with the 2 bolts.

Torque: 19 N-m (195 kgf-cm, 14 ft-lbf)

2. CONNECT RADIATOR INLET HOSE

3. CONNECT THESE HOSES:

- (a) w/ A/C:
 - idle-up hose
- (b) PCV hose
- (c) Vacuum hoses

4. FILL WITH COOLANT

5. START ENGINE AND CHECK FOR LEAKS