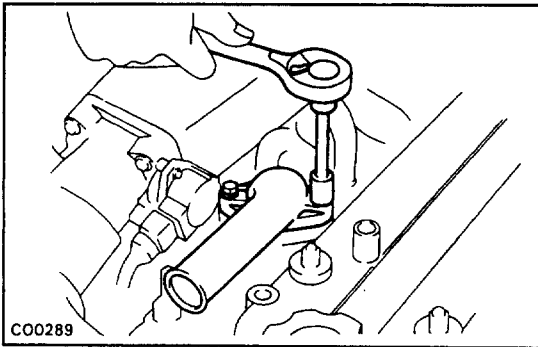


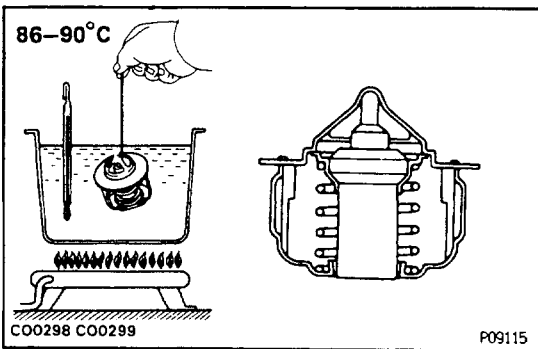
THERMOSTAT

THERMOSTAT REMOVAL

1. DRAIN COOLANT
2. DISCONNECT FOLLOWING 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:

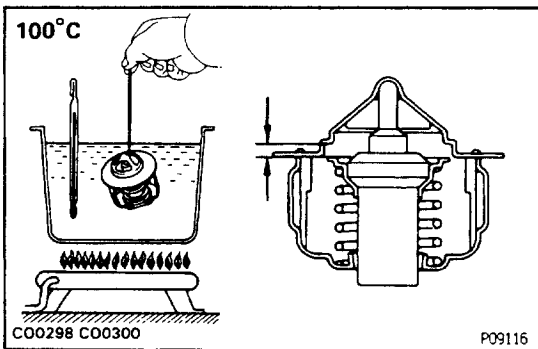
86-90°C (187-194°F)

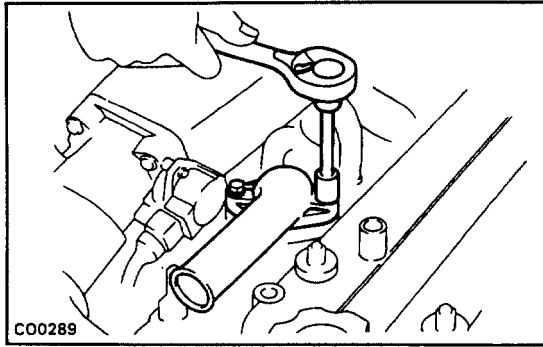
Valve lift:

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

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 FOLLOWING 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