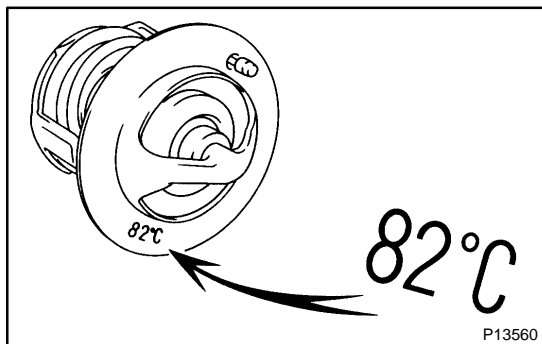


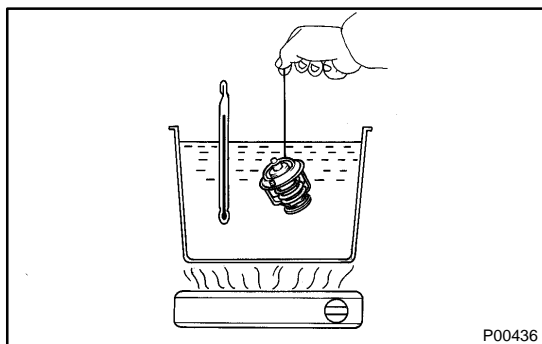
INSPECTION



1. THERMOSTAT

HINT:

The thermostat is numbered with the valve opening temperature.



(a) Immerse the thermostat in water and gradually heat the water.

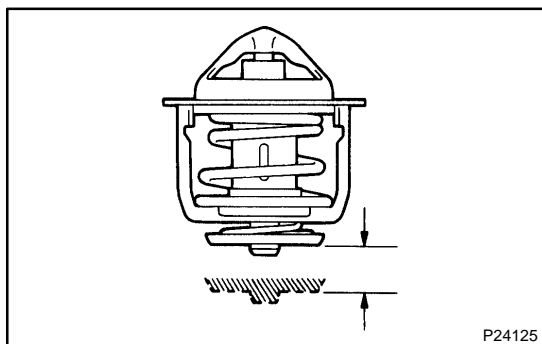
(b) Check the valve opening temperature.

Valve opening temperature:

80 – 84°C (176 – 183°F)

HINT:

If the valve opening temperature is not as specified, replace the thermostat.



(c) Check the valve lift.

Valve lift: 10 mm (0.39 in.) or more at 95°C (203°F)

HINT:

If the valve lift is not as specified, replace the thermostat.

(d) Check that the valve is fully closed when the thermostat is at low temperatures (below 77°C (171°F)).

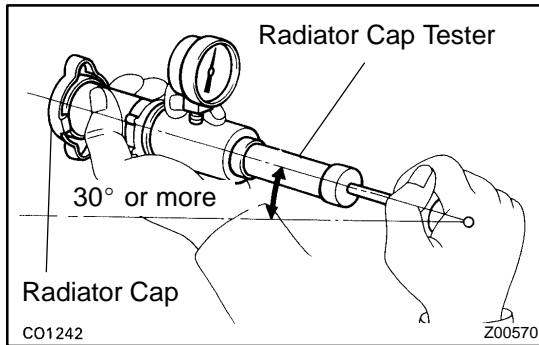
HINT:

If not closed, replace the thermostat.

2. RADIATOR CAP SUB-ASSY

NOTICE:

- If the reservoir cap has contaminations, always rinse it with water.
- Before using a radiator cap tester, wet the relief valve and pressure valve with engine coolant or water.
- When performing step (a) and (b) below, keep the tester at an angle of over 30° above the horizontal.



- (a) Using a radiator cap tester, slowly pump the tester and check that air is coming from the vacuum valve.

Pump speed: 1 push / (3 seconds or more)

NOTICE:

Push the pump at a constant speed.

HINT:

- Pump speed: 1 push / (3 seconds or more)
 - If air is not coming from the vacuum valve, replace the reservoir cap.
- (b) Pump the tester and measure the relief valve opening pressure.

Standard opening pressure:

74 – 103 kPa (0.75 – 1.05 kgf/cm², 10.7 – 14.9 psi)

Minimum opening pressure:

59 kPa (0.6 kgf/cm², 8.5 psi)

NOTICE:

This pump speed is for the first pump only (in order to close the vacuum valve). After this, the pump speed can be reduced.

HINT:

- Pump speed: 1 push within 1 second
- Use the tester's maximum reading as the opening pressure.
- If the opening pressure is less than minimum, replace the reservoir cap.