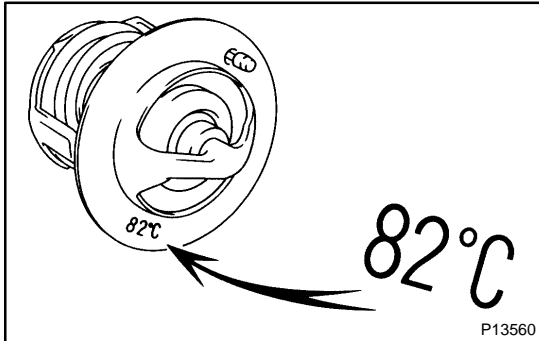


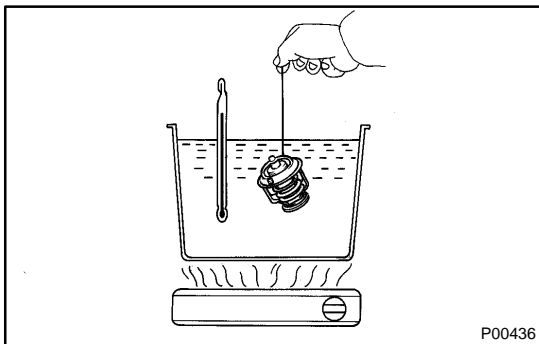
# INSPECTION



## 1. THERMOSTAT

HINT:

The thermostat is numbered with the valve opening temperature.



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

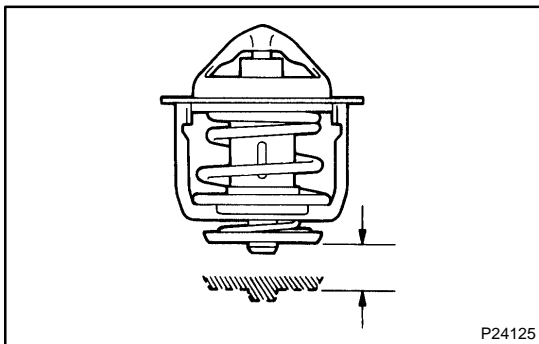
(b) Check the valve opening temperature.

**Valve opening temperature:**

**80 to 84°C (176 to 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)).

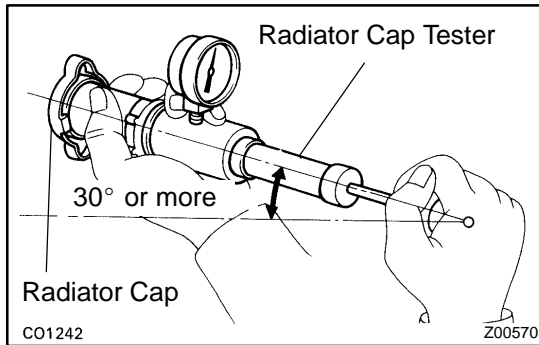
HINT:

If not closed, replace the thermostat.

## 2. RADIATOR CAP SUB-ASSY

**NOTICE:**

- If the radiator 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.**

If air is not coming from the vacuum valve, replace the radiator cap.

- (b) Pump the tester and measure the relief valve opening pressure.

**Pump speed: 1 push within 1 second**

**NOTICE:**

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

**Standard opening pressure:**

**74 to 103 kPa (0.75 to 1.05 kgf/cm<sup>2</sup>, 10.7 to 14.9 psi)**

**Minimum opening pressure:**

**59 kPa (0.6 kgf/cm<sup>2</sup>, 8.5 psi)**

**HINT:**

Use the tester's maximum reading as the opening pressure.

If the opening pressure is less than minimum, replace the radiator cap.