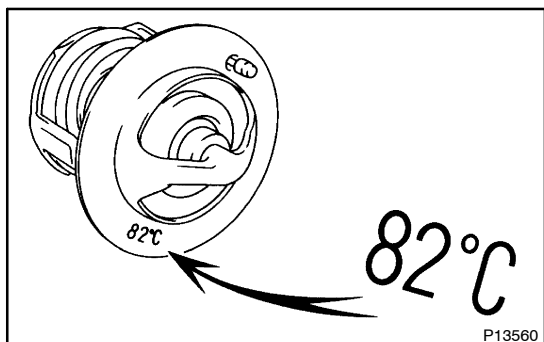


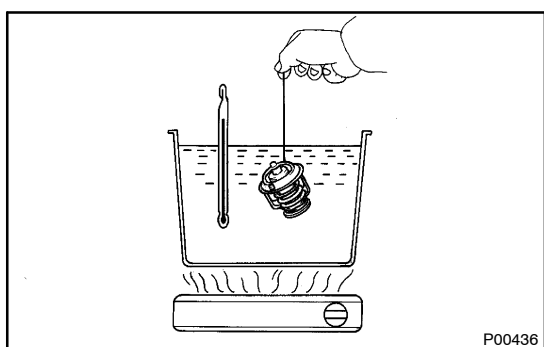
# INSPECTION



## 1. THERMOSTAT

### HINT:

The thermostat is numbered with the valve opening temperature.

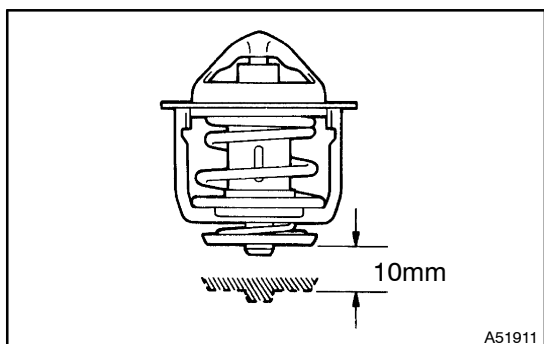


- (a) Immerse the thermostat in water and gradually heat the water.
- (b) Check the valve opening temperature.

### Valve opening temperature:

**80 – 84°C (176 – 183°F)**

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



- (c) Check the valve lift.

**Valve lift: 10 mm (0.394 in.) or more at 95°C (203°F)**

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

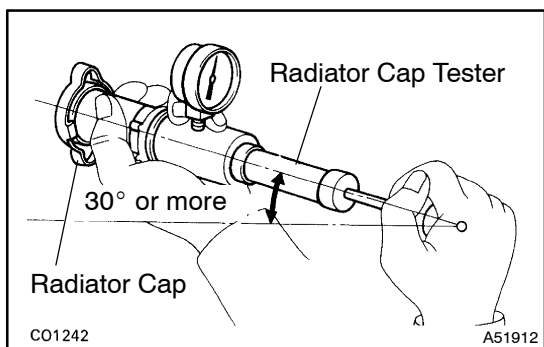
- (d) Check that the valve is fully closed when the thermostat is at low temperatures (below 77°C (171°F)).

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.



- (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 reservoir cap.

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

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

**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.**

**Standard opening pressure:**

**93 – 122 kPa (0.95 – 1.25 kgf/cm<sup>2</sup>, 13.4 – 17.6 psi)**

**Minimum opening pressure:**

**78 kPa (0.8 kgf/cm<sup>2</sup>, 11.2 psi)**

**HINT:**

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

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