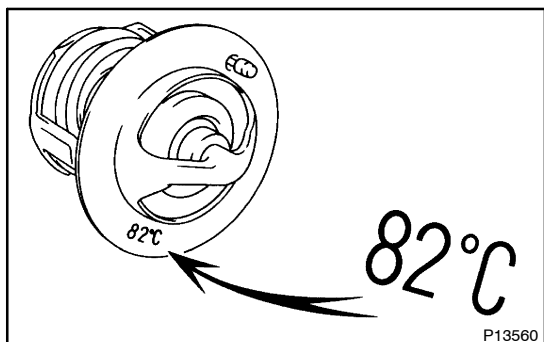


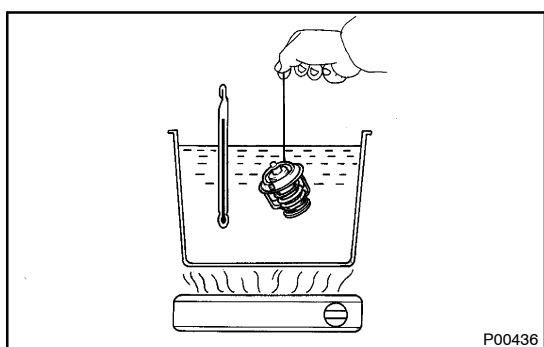
INSPECTION



1. INSPECT THERMOSTAT

HINT:

The valve opening temperature is inscribed on the thermostat.



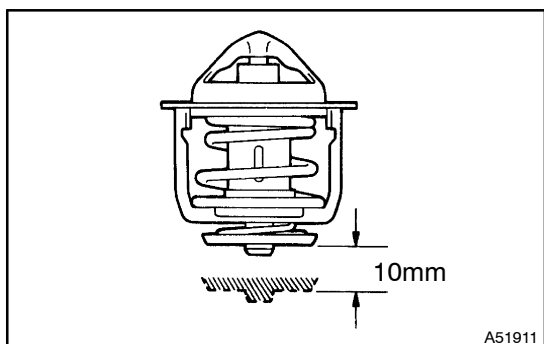
(a) Immerse the thermostat in water, then gradually heat the water.

(b) Check the valve opening temperature of the thermostat.

Valve opening temperature:

80 to 84°C (176 to 183°F)

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



(c) Inspect 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.

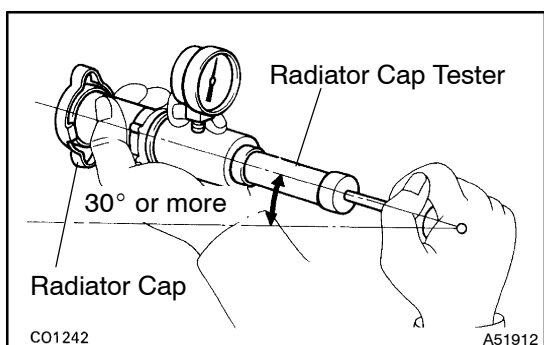
(d) Check that the valve is fully closed when the thermostat is at low temperatures (below 77°C (171°F)).

If not fully closed, replace the thermostat.

2. INSPECT RADIATOR CAP SUB-ASSY

NOTICE:

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



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

Pumping 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, then measure the relief valve opening pressure.

Pumping speed: 1 push within 1 second

NOTICE:

- The above pumping speed is for the first pumping only (in order to close the vacuum valve). After the first pumping, the pumping speed can be reduced.
- When performing steps (a) and (b), keep the tester at an angle of over 30° or more above the horizontal.

Standard opening pressure:

93 to 123 kPa (0.95 to 1.25 kgf/cm², 13.5 to 17.8 psi)

Minimum opening pressure:

78 kPa (0.8 kgf/cm², 11.3 psi)

- When performing steps (a) and (b), keep the tester at an angle of over 30° or more above the horizontal.

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

HINT:

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