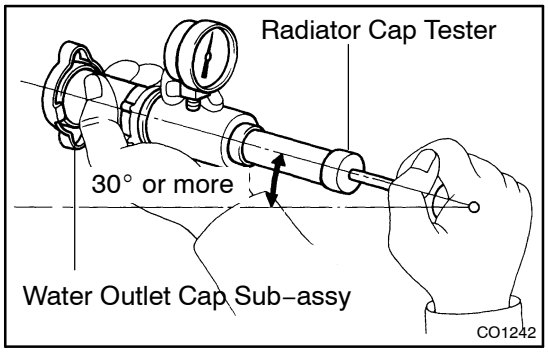
160JV–01

INSPECTION

1. INSPECT WATER OUTLET CAP SUB–ASSY

CAUTION:

To avoid the danger or being burned, do not remove the water outlet cap sub–assy while the engine and radiator are still hot, as fluid and steam can be blown out under pressure.



(a) Inspect the water outlet cap sub–assy.

NOTICE:

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

(b) Using a water outlet cap sub–assy 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 no air is coming from the vacuum valve, replace the water outlet cap sub–assy.

(c) Pump the radiator cap tester, and measure the relief valve opening pressure.

Pump speed: 1 push within 1 second

NOTICE:

Push the pump at a constant speed.

If no air is not coming from the vacuum valve, replace the water outlet cap sub–assy.

(d) Pump the radiator cap tester, and measure the relief valve opening pressure.

Pump speed: 1 push within 1 second

NOTICE:

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

Standard opening pressure:
74 – 103 kPa (0.75 – 1.05 kgm/cm^2, 10.7 – 14.9 psi)
Minimum opening pressure:
59 kPa (0.6 kgf/cm^2, 8.5 psi)

HINT:

Use the maximum reading on the tester as the opening pressure.

If the opening pressure is less than the minimum, replace the water outlet cap sub–assy.