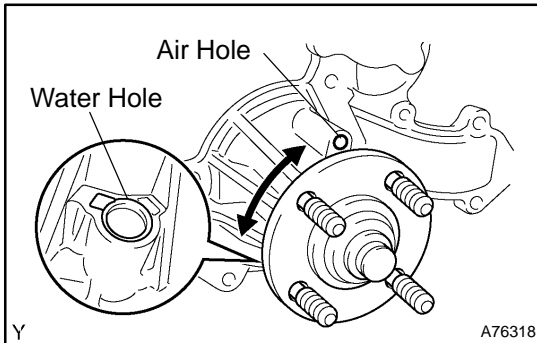


INSPECTION



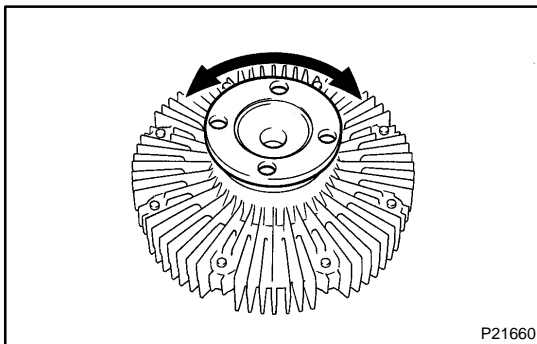
1. INSPECT WATER PUMP ASSY

- (a) Visually check the air hole and water hole for coolant leakage.

If leakage is found, replace the water pump.

- (b) Turn the pulley seat, and check that the water pump bearing moves smoothly and does not make noise.

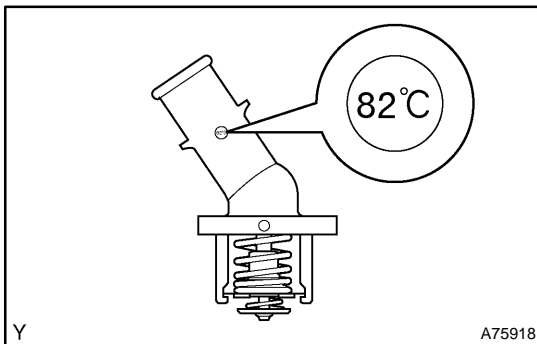
If necessary, replace the water pump.



2. INSPECT FLUID COUPLING ASSY

- (a) Check that the fluid coupling is not damaged and that no silicon oil leaks.

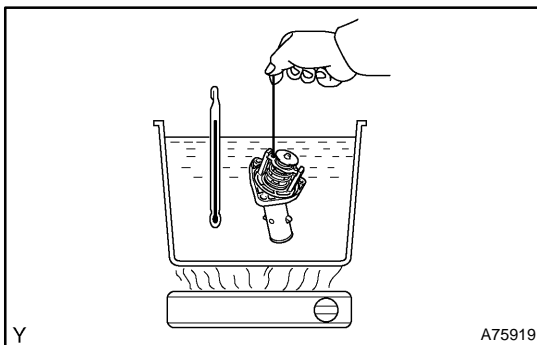
If necessary, replace the fluid coupling.



3. INSPECT WATER INLET W/THERMOSTAT

HINT:

The valve opening temperature is inscribed on the thermostat.



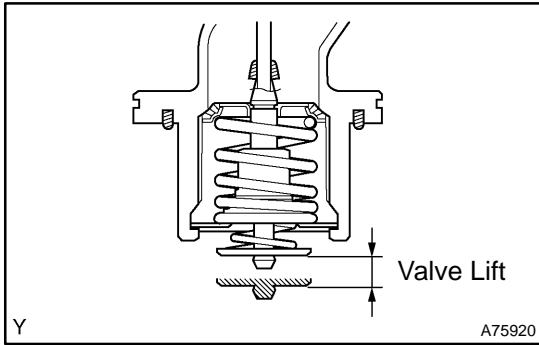
- (a) Immerse the thermostat in water and heat the water gradually.

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

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: 8 mm (0.31 in.) or more at 95°C (203°F)

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

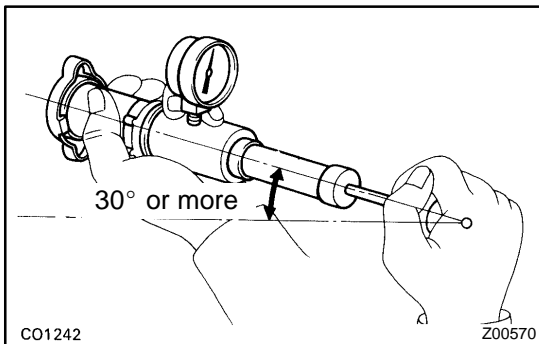
- (d) Check that the valve is fully closed when the thermostat is at low temperature (below 40 °C (104 °F)).

If not closed, replace the thermostat.

4. INSPECT RADIATOR CAP SUB-ASSY

NOTICE:

- If the reservoir cap has contaminations, 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 per 3 seconds or more

NOTICE:

Push the pump at a constant speed.

HINT:

- Pump speed: 1 push per 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:

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

Minimum opening pressure:

78 kPa (0.8 kgf/cm², 11.4 psi)

NOTICE:

The following pump speed is for the first time (in order to close the vacuum valve). After the first pumping, the pump speed can be reduced.

HINT:

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