

## ON-VEHICLE INSPECTION

### 1. REMOVE RESERVOIR CAP

#### CAUTION:

To avoid the danger of being burned, do not remove the reservoir cap while the engine and radiator are still hot, as fluid and steam can be blown out under pressure.

### 2. INSPECT RESERVOIR CAP

#### NOTICE:

- If the reservoir cap has contaminations, always rinse it with water.
- Before using a reservoir cap tester, wet the relief valve and pressure valve with engine coolant or water.

Using a radiator cap tester, pump the tester and measure the relief valve opening pressure.

#### Standard opening pressure:

**93 – 123 kPa**

**(0.95 – 1.25 kgf/cm<sup>2</sup>, 13.5 – 17.8 psi)**

#### Minimum opening pressure:

**78 kPa (0.8 kgf/cm<sup>2</sup>, 11.4 psi)**

#### HINT:

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

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

### 3. INSPECT COOLING SYSTEM FOR LEAKS

- Fill the radiator with coolant and attach a reservoir cap tester to the water filler.
- Warm up the engine.
- Pump it to 118 kPa (1.2 kgf/cm<sup>2</sup>, 17.1 psi), and check that the pressure does not drop.

If the pressure drops, check the hoses, reservoir or water pump for leaks. If no external leaks are found, check the heater core, cylinder block and cylinder head.

### 4. REINSTALL RESERVOIR CAP

