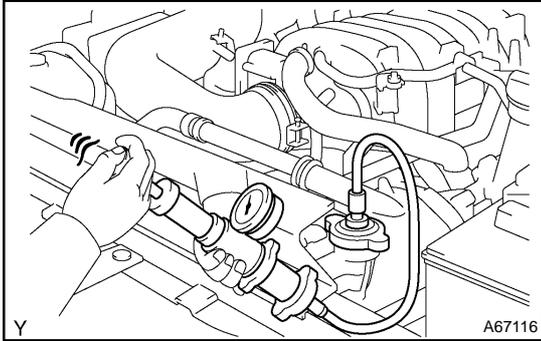


## COOLING SYSTEM (2UZ-FE)

### ON-VEHICLE INSPECTION

160EP-01



#### 1. INSPECT COOLING SYSTEM FOR LEAKS

##### CAUTION:

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

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

##### HINT:

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

#### 2. CHECK ENGINE COOLANT LEVEL AT RESERVOIR

- (a) The engine coolant level should be between the "LOW" and "FULL" line.

##### HINT:

If low, check for leaks and add "Toyota Long Life Coolant" or equivalent up to the "FULL" line.

#### 3. CHECK ENGINE COOLANT QUALITY

- (a) Remove the radiator cap.

##### CAUTION:

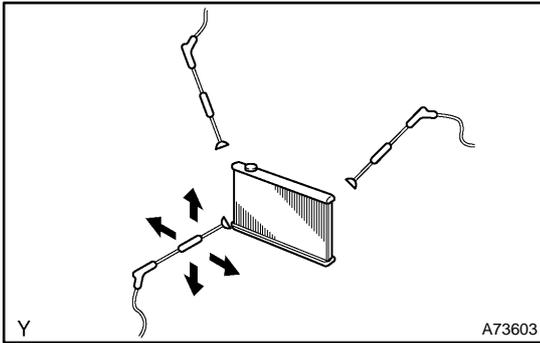
To avoid the danger of being burned, do not remove the radiator cap while the engine and radiator are still hot, as fluid and steam can be blown out under pressure.

- (b) Check if there is any excessive deposits of rust or scale around the radiator cap and radiator filler hole; the coolant should be free from oil.

##### HINT:

If excessively dirty, replace the coolant.

- (c) Reinstall the radiator cap.



#### 4. INSPECT FINS BLOCKAGE

- (a) If fins are clogged, wash them with water or a steam cleaner and dry with compressed air.

#### NOTICE:

- **If the distance between the steam cleaner and the core is too close, there is a possibility of damaging the fins, so keep the following injection distance.**

| Injection Pressures<br>kPa (kg/cm <sup>2</sup> , psi) | Injection Distance<br>mm (in.) |
|---|--------------------------------|
| 2,942 - 4,903<br>(30 - 50, 427 - 711)                 | 300 (11.811)                   |
| 4,903 - 7,845<br>(50 - 80, 711 - 1,138)               | 500 (19.685)                   |

- **If the fins are bent, straighten them with a screwdriver or pliers.**
- **Never apply water directly onto the electronic components.**