COOLANT (1AZ–FE)

1609L–01

REPLACEMENT

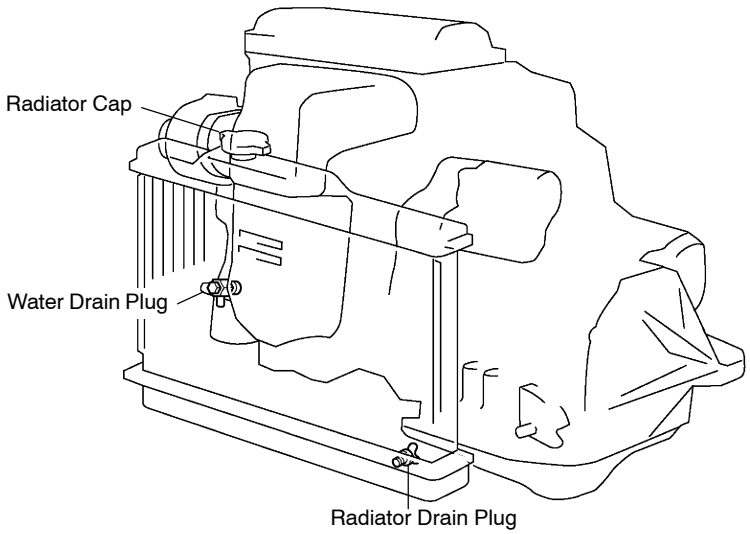
1. DRAIN COOLANT

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) Remove the radiator cap.

(b) Loosen the radiator plug and drain the coolant.



0

A52575

2. ADD COOLANT

(a) Tighten the radiator drain plug.

(b) Add the engine coolant into the radiator until it overflows.

Capacity: 6.2 liters (6.6 US qts, 5.4 Imp. qts)

HINT:

- Press the radiator inlet and outlet hose several times with hard.
- If the coolant level gets lower, pour coolant.
- Use of improper coolants may damage engine cooling system.
- Use ”Toyota Long Life Coolant” or equivalent and mix it with plain water according to the manufacturer’s directions.
- Using of coolant with includes more than 50 % (freezing protection down to –35°C (–31°F) or 60 % (freezing protection down to –50°C (–58°F)) of ethylene–glycol is recommended but not more than 70 %.

(c) Pour coolant into the radiator reservoir tank until it reaches full line.

(d) Install the radiator cap. (★ 1)

(e) Start the engine, and stop shortly. (★ 2)

(f) Remove the radiator cap after 10 seconds. Pour coolant if the coolant level is lower. (★ 3)

(g) Repeat (★ 1), (★ 2) and (★ 3) until the coolant level remains the same.

HINT:
Perform the procedures above before the engine is warm up. Warmed up engine causes the thermostat valve to open, and the air inside of the engine circulates between the radiator and the engine.

(h) Install the radiator cap.
(i) Warm up the engine until the thermostat valve begins to open.

HINT:
Press the radiator inlet and outlet hose several times with hand during the warming up.

(j) Stop the engine and wait until the coolant temp. gets cold. Pour the coolant if the coolant level is lower.
(k) Install the radiator cap and check the radiator reservoir tank coolant level.

3. INSPECT CHECK ENGINE COOLANT LEAK

(a) Fill the radiator with coolant and attach a radiator cap tester.
(b) Pump it to 118 kPa (1.2 kgf/cm^2), and check leakage.