

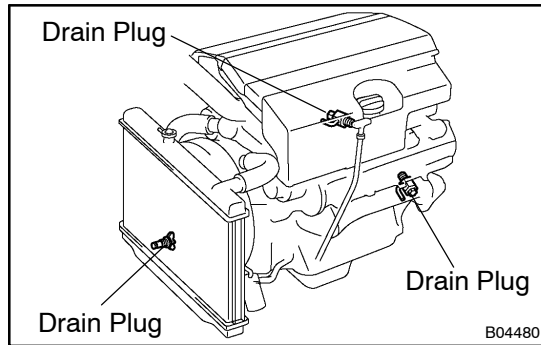
## REPLACEMENT

### 1. DRAIN ENGINE COOLANT

- (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) Remove the 3 drain plugs on the engine and radiator, and drain the coolant.

- (c) Close the 3 drain plugs.

**Torque: 12.7 N·m (130 kgf·cm, 9 ft·lbf) for engine**

### 2. REFILL WITH ENGINE COOLANT

- (a) Slowly fill the system with engine coolant.

- Use a good brand of ethylene–glycol base coolant and mix it according to the manufacturer's directions.

#### Grade:

**"TOYOTA LONG LIFE Antifreeze Coolant" or equivalent**

- Using coolant which includes more than 50 % ethylene–glycol (but not more than 70 %) is recommended.

#### NOTICE:

- Do not use a alcohol type coolant.
- The coolant should be mixed with demineralized water or distilled water.

#### Capacity:

**w/ Front heater: 14.8 liters (15.6 US qts, 13.0 Imp. qts)**

**w/ Front heater and rear heater:**

**15.3 liters (16.2 US qts, 13.4 Imp qts)**

- (b) Install the radiator cap.
- (c) Bleed the cooling system.
- Start the engine, and open the heater water valve.
  - Maintain the engine speed at 2,000 – 2,500 rpm, and warm up the engine.
- (d) Stop the engine, and wait until the engine coolant cools down.
- (e) Refill coolant into the reservoir until it is "FULL".

### 3. CHECK FOR ENGINE COOLANT LEAKS