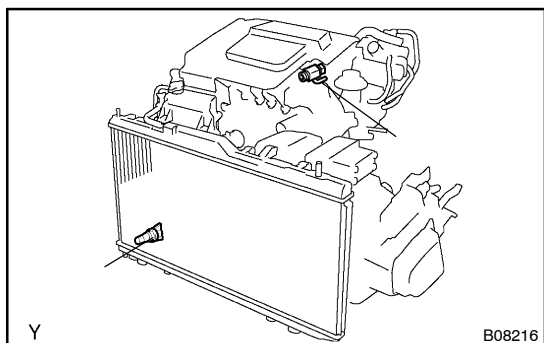


# COOLANT (1CD-FTV) REPLACEMENT

1606P-01

## 1. DRAIN ENGINE COOLANT

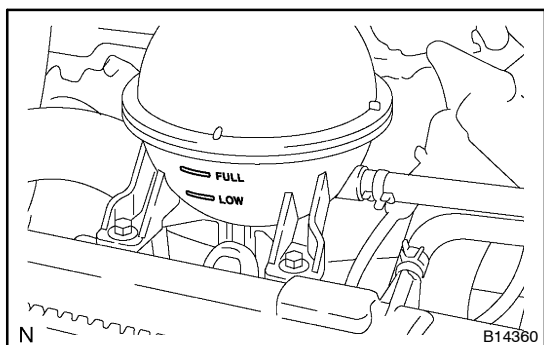
- (a) Remove the radiator cap.



- (b) Loosen the radiator and engine drain plugs, and drain the coolant.

- (c) Close the drain plugs.

**Torque: 13 N·m (130 kgf·cm, 9 ft·lbf) for engine**



## 2. ADD COOLANT

- (a) Slowly fill the system with coolant up to FULL mark.

**Capacity:**

**8.8 liters (9.3 US qts, 7.7 Imp. qts)w/ heater**

**7.6 liters (8.0 US qts, 6.7 Imp. qts) w/o heater**

**HINT:**

- 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  $-35^{\circ}\text{C}$  ( $-31^{\circ}\text{F}$ ) or 60 % (freezing protection down to  $-50^{\circ}\text{C}$  ( $-58^{\circ}\text{F}$ )) of ethylene-glycol is recommended but not more than 70 %.

- (b) Install the radiator cap securely.

- (c) Start the engine.

**HINT:**

Warm up the engine with the speed of 2,000 rpm or more and continue doing it until the thermostat has open and the radiator reservoir has become hot.

- (d) Check the coolant level is above LOW mark.

- (e) After the engine has become cold, check that the water level becomes below FULL line.

## 3. 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<sup>2</sup>, 17.1 psi), and check that the pressure does not drop.