

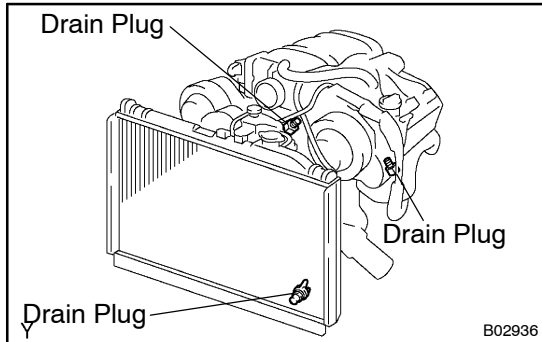
REPLACEMENT

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) Loosen the radiator drain plug (on the left side of the radiator lower tank) and engine drain plug (on the cylinder block), and drain the coolant.
- (c) Close the 3 drain plugs.

Torque: 24.5 N·m (250 kgf·cm, 18 ft·lbf) for engine

2. FILL WITH ENGINE COOLANT

- (a) Slowly fill the system with 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.

Grade:

"TOYOTA LONG LIFE Antifreeze Coolant" or equivalent

- Use of the coolant which 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%.

NOTICE:

- **Do not use an alcohol type coolant or plain water alone.**
- **The coolant should be mixed with plain water (preferably demineralized water or distilled water).**

Capacity: 9.8 liters (10.4 US qts, 8.6 Imp. qts)

- (b) Install the radiator cap.
- (c) Bleed the cooling system.
 - (1) Start the engine, and open the heater water valve.
 - (2) 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 the radiator reservoir with coolant until it reaches the "FULL" line.

3. CHECK FOR ENGINE COOLANT LEAKS

4. CHECK ENGINE COOLANT SPECIFIC GRAVITY CORRECTLY