

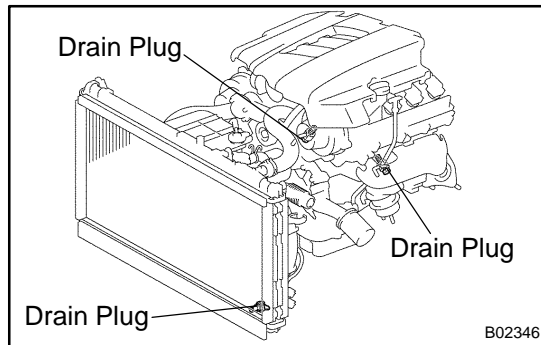
REPLACEMENT

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 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 an alcohol type coolant.**
- **The coolant should be mixed with demineralized water or distilled water.**

Capacity: 9.3 liters (9.8 US qts, 8.2 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