

COOLANT INSPECTION

1. CHECK ENGINE COOLANT LEVEL AT RESERVOIR

The engine coolant level should be between the "LOW" and "FULL" lines, when the engine is cold. If low, check for leaks and add "Toyota Long Life Coolant" or equivalent up to the "FULL" line.

2. CHECK ENGINE COOLANT QUALITY

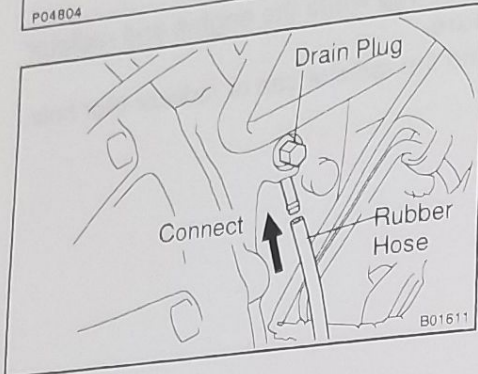
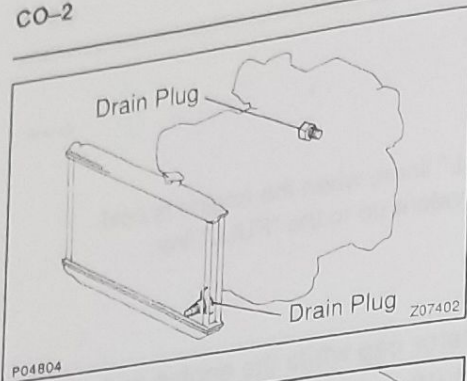
Remove the radiator cap.

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.

There should not be any excessive deposits of rust or scale around the radiator cap or radiator filler hole, and the coolant should be free from oil.

If excessively dirty, replace the coolant.



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 2 drain plugs (for the engine and radiator), and drain the coolant.

HINT:

To prevent the coolant from spraying over the cylinder block, connect the rubber hose (inside diameter 6 – 8 mm) in the market to the union pipe under the drain plug.

- (c) Close the drain plugs.

Torque: 30 N·m (300 kgf·cm, 22 ft·lbf) for engine

2. FILL 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.
- 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 (preferable demineralized water or distilled water).

Capacity (w/ Heater):

7.7 liters (8.1 US qts, 6.8 Imp. qts)

- (b) Install the radiator cap.
- (c) Start the engine, and bleed the cooling system.
- (d) Refill the reservoir with coolant until it reaches the "FULL" line.

3. CHECK ENGINE COOLANT FOR LEAKS

4. CHECK ENGINE COOLANT SPECIFIC GRAVITY CORRECTLY