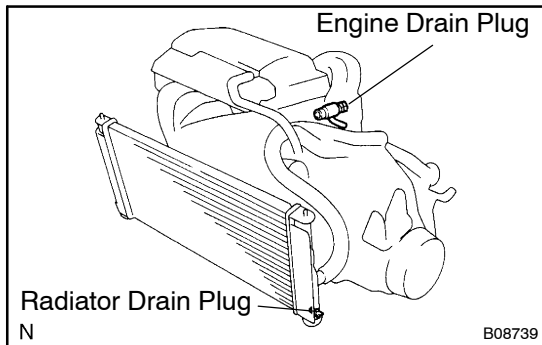




REPLACEMENT

HINT:

For replacing the heater parts such a heater core or heater hose, refer to Pub. No. RM734E AC section.

1. DRAIN ENGINE COOLANT

- (a) Remove the reservoir cap.

CAUTION:

To avoid the danger of being burned, do not remove the reservoir cap while the engine and radiator are still hot, as fluid and steam can be blown out under pressure.

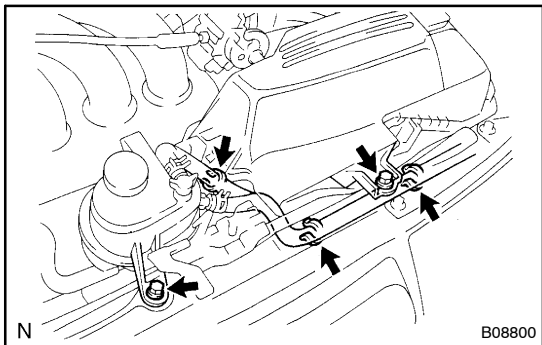
- (b) Loosen the radiator drain plug (on the left under side of the radiator tank) and engine drain plug on the engine coolant drain union (on the left rear of the cylinder block), and drain the coolant.

- (c) Close the drain plugs.

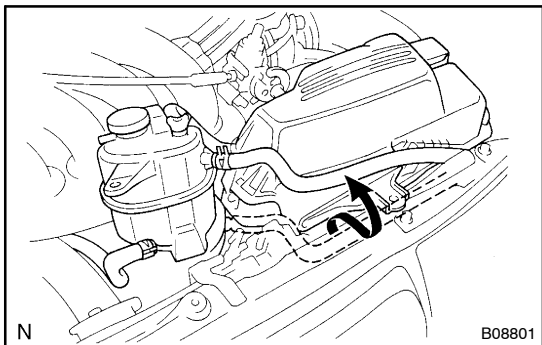
Torque: 12.7 N·m (130 kgf·cm, 9 ft·lbf) for engine

2. FILL ENGINE COOLANT

- (a) Remove the upper front fender apron seal and upper radiator support seal.



- (b) Remove the 2 bolts.
- (c) Disconnect the 3 clamps and 2 hoses, then place hoses on air cleaner case.



- (d) Lift the engine coolant reservoir and hook it on a hood latch to fix.

HINT:

- (e) Remove the bleeder plug.
- (f) Supply coolant of approx. 3.7 liters into the reserve tank until the level reaches FULL line.
 - 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 manufactures 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 (preferably demineralized water or distilled water).**

Capacity:**1ZZ-FE:**

M/T	5.7 liters (6.0 US qts, 5.0 Imp. qts)
A/T	5.6 liters (5.9 US qts, 4.9 Imp. qts)

2ZZ-GE:

M/T	5.9 liters (6.2 US qts, 5.2 Imp. qts)
A/T	5.8 liters (6.1 US qts, 5.1 Imp. qts)

HINT:

When the level can not be lowered before the supply of the 3.7 liters coolant, squeeze the radiator lower hose several times while blocking the hole in the bleeder plug with a finger, and surely supply the coolant.

- (g) Start the engine with the reservoir cap and the bleeder plug removed and warm it up until the cooling fan blows first and then stops.

HINT:

At this time, the A/C switch should be OFF.

- (h) Additionally supply 500 cc coolant with the engine idling.
 (i) Install the bleeder plug and reservoir cap.

HINT:

Close the reservoir cap by marking approx. 2.5 rotations until clicks is heard.

- (j) Repeat 5 sec. engine operation at 3,000 rpm and 5 sec. idling alternately for 15 min. or more.
 (k) After complete cooling of the engine, the level shall be between Low and FULL.

HINT:

After warming-up of engine, the level shall be over the FULL.

- (l) Connect the 2 hoses and clamps.
 (m) Install the 2 bolts.
 (n) Install the cover.

3. CHECK FOR COOLANT LEAKS**4. CHECK ENGINE COOLANT SPECIFIC GRAVITY CORRECTLY**