AC2II–01

INSTALLATION

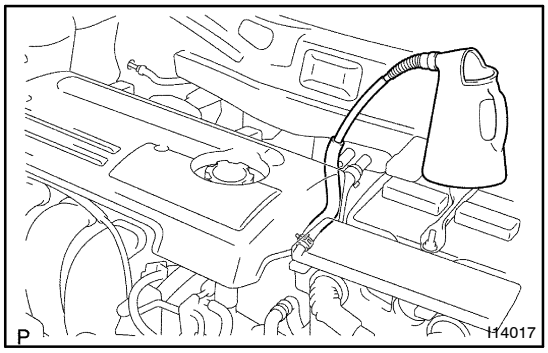
Installation is in the reverse order of removal (See page AC–26).

1. HOWEVER, NOTE THAT THE FOLLOWING PROCEDURES SHOULD BE SURELY CONDUCTED

(a) Remove the joint of the heater outlet hose from the heater pipe.

HINT:

Do not detach the other joint on the engine side.



(b) Hold the removed heater hose with the end facing up, pour LLC into the hose.

(c) Pour LLC until it flows into the reverse tank from the hose at the bottom.

(d) When this happens, stop pouring and reinstall the heater hose to the heater pipe.

(e) Perform air bleeding in the same manner when LLC is replaced.

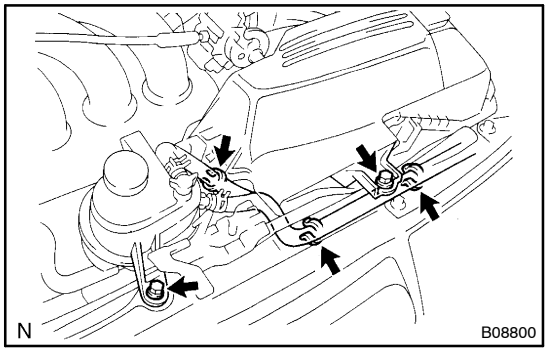
HINT:

Note that the amount of LLC removed from the heater parts should be added.

Additional amount (example):
Heater core: approx. 350 cc
Heater pipe: approx. 200 cc
Heater hose: approx. 70 cc

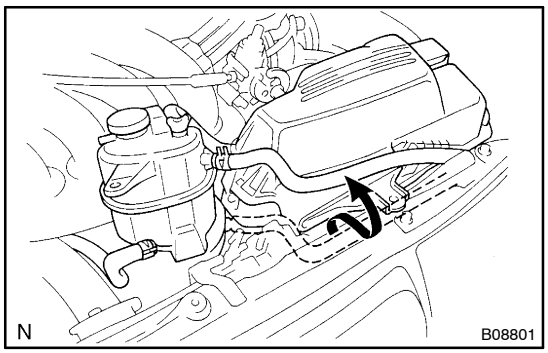
2. FILL ENGINE COOLANT

(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.

(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 litters (6.0 US qts, 5.0 Imp. qts)
A/T	5.6 litters (5.9 US qts, 4.9 Imp. qts)

2ZZ–GE:

M/T	5.9 litters (6.2 US qts, 5.2 Imp. qts)
A/T	5.8 litters (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