COOLANT (5L–E)

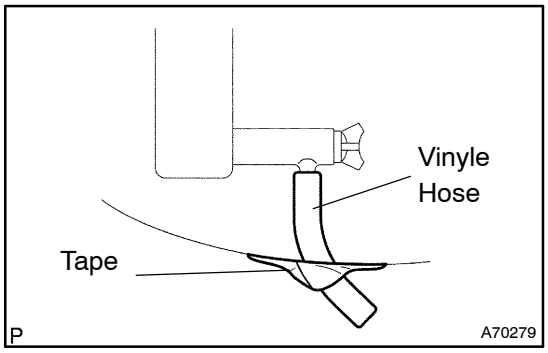
REPLACEMENT

160HE–01

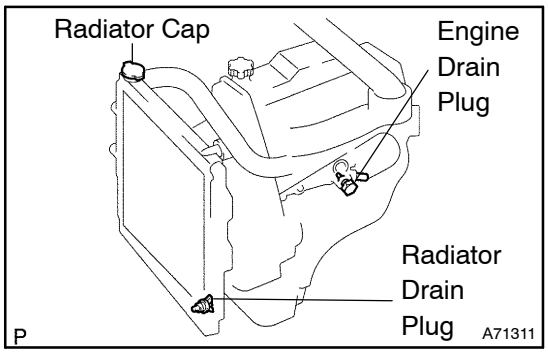
1. DRAIN ENGINE COOLANT

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.

(a) Remove the service hole cover of the engine under cover.



(b) Insert the vinyle hose into the service hole on the engine under cover, connect it to the radiator.
(c) Fix the vinyle hose with tape.
(d) Remove the radiator cap.



(e) Loosen the radiator drain cock plug and engine drain plug and drain the engine coolant.
(f) Close the drain plugs.
Torque: 13 N·m (130 kgf·cm, 9 ft·lbf) for engine

2. ADD ENGINE COOLANT

(a) Slowly fill the system with coolant.

HINT:

- Use of improper coolants may damage engine cooling system.
- Use "Toyota Long Life Coolant" or equivalent and mix it with plan water according to the manufacturer's directions.
- Using of 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: 9.3 liters (9.8 US qts, 8.1 Imp. qts)

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

3. CHECK FOR ENGINE COOLANT LEAKS

(a) Fill the radiator with coolant and attach a radiator cap tester.
(b) Pump it to 118 kPa (1.2 kgf/cm^2, 17.1 psi), and check leakage.