ENGINE COOLANT (14B)

160JW–01

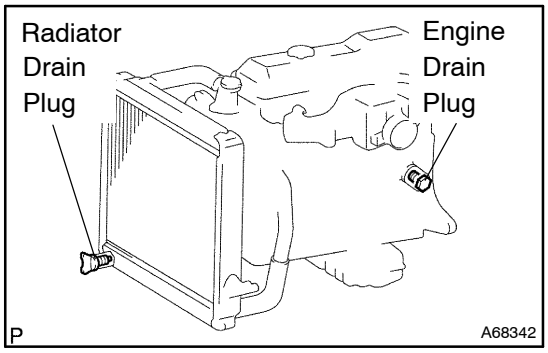
REPLACEMENT

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 radiator cap.



(b) Loosen the radiator drain plug and engine drain plug, and drain the coolant.

(c) Close the drain plugs.
Torque: 13 N·m (133 kgf·cm, 9.6 in.·lbf)

2. REFILL ENGINE COOLANT

(a) Slowly fill the system with coolant.
- Use of improper coolants may damage the engine cooling system.
- Use ”Toyota Super Long Life Coolant” or equivalent and mix it with plain water according to the manufacturer’s directions.
- Using coolant which includes ethylene–glycol more than 50 % (freezing protection down to –35°C (–31°F)) or 60 % (freezing protection down to –50°C (–58°F)) 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: 11.4 liters (12 US qts, 10 Imp. qts)

(b) Reinstall the radiator cap.

(c) Start the engine, and bleed air from the cooling system.
- Open the heater water valve.
- Warm up the engine.
- Stop the engine, and wait untill the engine coolant.

(d) Refill the radiator reservoir with coolant until it reaches the ”full” line.

3. CHECK FOR ENGINE COOLANT LEAKS

4. CHECK ENGNE COOLANT SPECIFIC GRAVITY CORRECTLY