EG

COOLANT CHECK

1. **CHECK ENGINE COOLANT LEVEL AT RADIATOR RESERVOIR**

The engine coolant level should be between the "LOW" and "FULL" lines.

If low, check for leaks and add engine coolant up to the "FULL" line.

2. **CHECK ENGINE COOLANT QUALITY**

(a) Remove the radiator cap from the water filler (BB) or water outlet (BU).

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

If excessively dirty, replace the coolant.

(c) Reinstall the radiator cap.

COOLANT REPLACEMENT

1. **DRAIN ENGINE COOLANT**

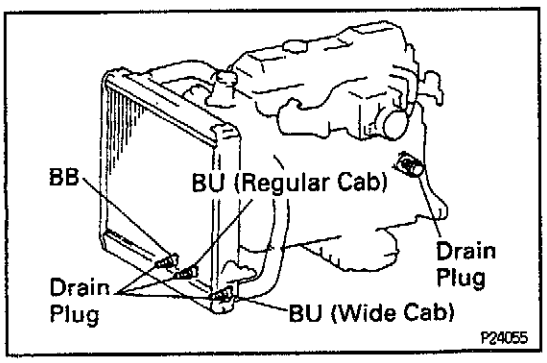
(a) Remove the radiator cap from the water filler (BB) or water outlet (BU).

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 radiator drain plug (on the radiator lower tank) and engine drain plug (on the cylinder block), and drain the coolant.

(c) Close the drain plugs.

Torque (Engine): 24.5 N·m (250 kgf·cm, 18 ft·lbf)



2. **FILL ENGINE COOLANT**

(a) Slowly fill the system with coolant.

- Use a good brand of ethylene—glycol base coolant and mix it according to the manufacturer's directions.

- Using coolant which includes more than 50 % ethylene–glycol (but not more than 70 %) is recommended.

NOTICE:

- **Do not use an alcohol type coolant.**
- **The coolant should be mixed with demineralized water or distilled water.**

Coolant capacity: liters (US qts, Imp. qts)

BB

3B	w/ Front and rear heaters	14.6 (15.4, 12.8)
14B	w/ Front and rear heaters	14.2 (15.0, 12.5)
	w/ Front and rear heaters	15.6 (16.5, 13.7)*
	w/ Front heater	13.0 (13.7, 11.4)
	w/o Heater	11.0 (11.6, 9.7)

*: Vehicles with cold weather package

BU (Regular cab)

3B	w/ Front and rear heaters	13.3 (14.1, 11.7)
	w/ Front heater	12.9 (13.6, 11.4)
	w/o Heater	11.8 (12.5, 10.4)
14B	w/ Heater Except G.C.C.	12.6 (13.3, 11.0)
	w/o Heater G.C.C.	11.8 (12.4, 10.3)
	w/o Heater Except G.C.C.	11.5 (12.1, 10.1)
15B–F	w/ Heater	12.2 (12.9, 10.7)
	w/o Heater	11.1 (11.7, 9.8)

BU (Wide cab)

14B	w/ Heater	13.0 (13.7, 11.4)
	w/o Heater	11.9 (12.6, 10.5)
15B–F	w/ Heater	12.6 (13.3, 11.1)
	w/o Heater	11.5 (12.2, 10.1)
15B–FT	w/ Heater	13.5 (14.3, 11.9)
	w/o Heater	12.4 (13.1, 10.9)

(b) Install the radiator cap.

(c) Start the engine, and bleed the cooling system.

- Open the heater water valve.
- Warm up the engine.
- Stop the engine, and wait until the engine coolant cools down.
- Refill the radiator reservoir with coolant until it reaches the "FULL" line.

3. CHECK ENGINE COOLANT FOR LEAKS