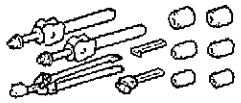
COOLING SYSTEM

PREPARATION

SST (SPECIAL SERVICE TOOLS)

EG0CF-2G

EG

	09230–01010 Radiator Service Tool Set	
	09231–14010 Punch	Aluminum type radiator

EQUIPMENT

EG06U-0R

Heater	Thermostat
Radiator cap tester	
Thermometer	Thermostat
Torque wrench	

ENGINE COOLANT

EG06V-0P

Item	Capacity	Classification
M/T	9.5 liters (10.0 US qts, 8.4 Imp. qts)	Ethylene–glycol base
A/T	9.3 liters (9.8 US qts, 8.2 Imp. qts)	

COOLANT CHECK AND REPLACEMENT

EG6NZ-03

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

   The coolant level should be between the "L" and "F" lines.

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

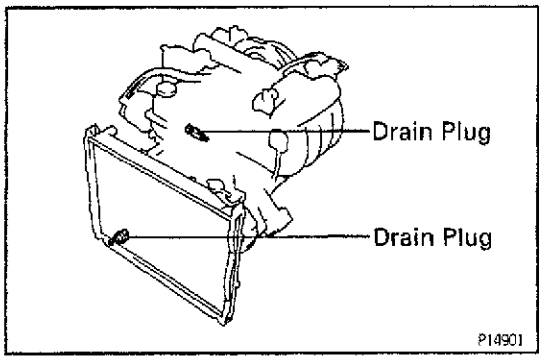
2. ***CHECK ENGINE COOLANT QUALITY***

(a) Remove the radiator cap.

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 scales around the radiator cap or radiator filler hole, and the coolant should be free from oil.

If excessively dirty, replace the coolant.



(c) Reinstall the radiator cap.

3. REPLACE ENGINE COOLANT

(a) Remove the radiator cap.

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) Drain the coolant from the radiator and cylinder drain plugs. (Engine coolant drain plug at the right of cylinder block.)

(c) Close the drain plugs.

Torque (Engine coolant drain plug):

24.5 N·m (250 kgf·cm, 18 ft·lbf)

(d) 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.**

Capacity:

M/T

9.5 liters (10.0 US qts, 8.4 Imp. qts)

A/T

9.3 liters (9.8 US qts, 8.2 Imp. qts)

(e) Reinstall the radiator cap.

(f) Warm up the engine and check for leaks.

(g) Recheck the coolant level and refill as necessary.