

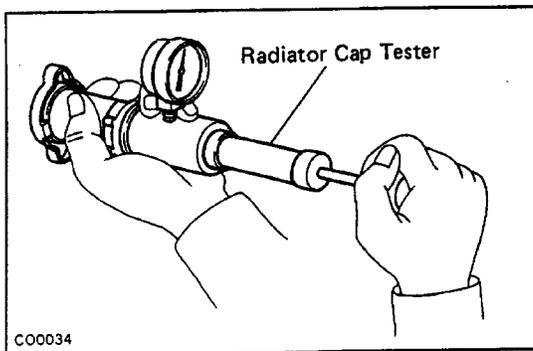
RADIATOR

RADIATOR CLEANING

EG1DE-01

Using water or a steam cleaner, remove mud and dirt from the radiator core.

NOTICE: If using a high-pressure type cleaner, be careful not to deform the fins of the radiator core. For example, keep a distance of more than 40 – 50 cm (15.75 – 19.69 in.) between the radiator core and cleaner nozzle when the cleaner nozzle pressure is 2,942 – 3,432 kPa (30 – 35 kgf/cm², 427 – 498 psi).



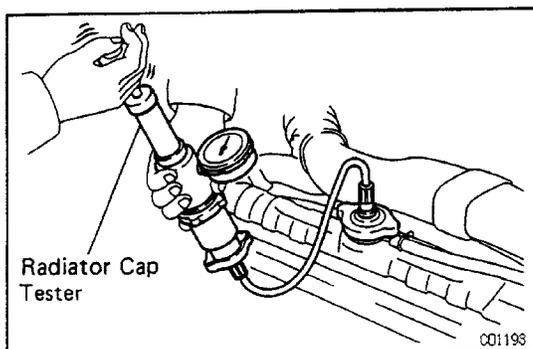
RADIATOR INSPECTION

EG1DF-01

1. CHECK RADIATOR CAP

- Using radiator cap tester, pump the tester until relief valve opens. Check that the valve opens between 74 kPa (0.75 kgf/cm², 10.7 psi) and 103 kPa (1.05 kgf/cm², 14.9 psi).
- Check that pressure gauge does not drop rapidly when pressure on cap is below 59 kPa (0.6 kgf/cm², 8.5 psi).

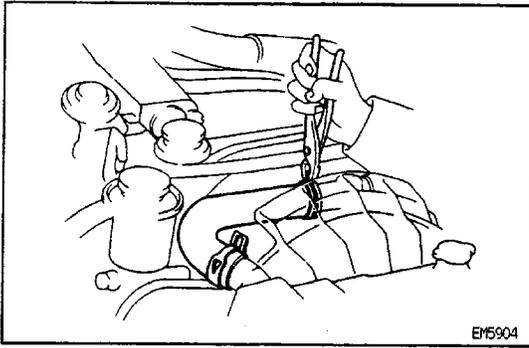
If either check is not within limit, replace the radiator cap.



2. CHECK COOLING SYSTEM FOR LEAKS

- Fill the radiator with engine coolant and attach a radiator cap tester.
- Warm up the engine.
- Pump it to 118 kPa (1.2 kgf/cm², 17.1 psi), and check that the pressure does not drop.

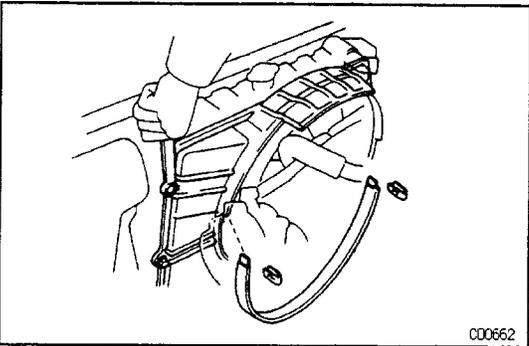
If the pressure drops, check for leaks from the hoses, radiator or water pump. If no external leaks are found, check the heater core, block and intake manifold.



RADIATOR REMOVAL

1. DRAIN ENGINE COOLANT
2. REMOVE ENGINE UNDER COVER
3. REMOVE RADIATOR

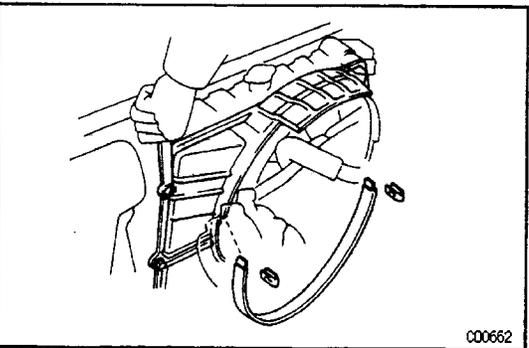
- (a) Disconnect the reservoir hose.
- (b) Remove the radiator hoses.



- (c) Remove the No.2 fan shroud.
- (d) Remove the No.1 fan shroud.
- (e) Disconnect the oil cooler hoses.

HINT:

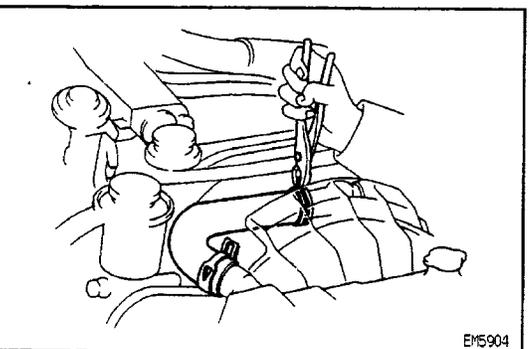
- Be careful as some oil will leak out. Catch it in a suitable container.
 - Plug the hose to prevent oil from escaping.
- (f) Remove the four bolts and radiator.



RADIATOR INSTALLATION

1. INSTALL RADIATOR

- (a) Install the radiator with the four bolts.
- (b) Connect the oil cooler hoses.
- (c) Install the No.1 fan shroud
- (d) Install the No.2 fan shroud



- (e) Install the radiator hoses.
- (d) Connect the reservoir hoses.

2. INSTALL ENGINE UNDER COVER
3. FILL WITH ENGINE COOLANT
4. START ENGINE AND CHECK FOR LEAKS