

NOTICE:

The above pumping speed is for the first pumping only (in order to close the vacuum valve). After the first pumping, the pumping speed can be reduced.

HINT:

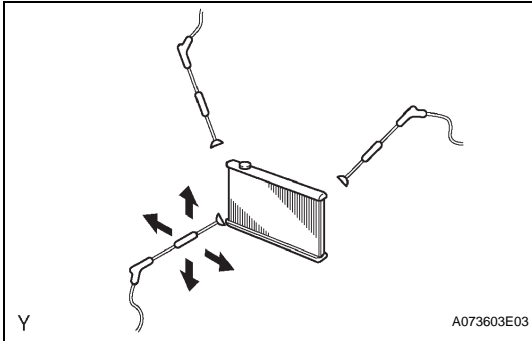
Use the tester's maximum reading as the opening pressure. If the opening pressure is less than the minimum, replace the radiator cap.

ON-VEHICLE CLEANING**1. CHECK FINS FOR BLOCKAGE**

- (a) If the fins are clogged, wash them with water or a steam cleaner and then dry them with compressed air.

NOTICE:

- If the distance between the steam cleaner and core is too small, the fins may be damaged. So, keep to the following injection distances.

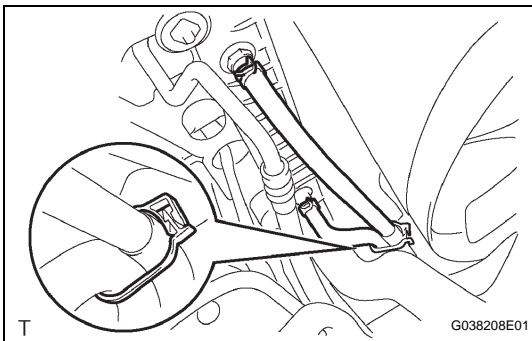
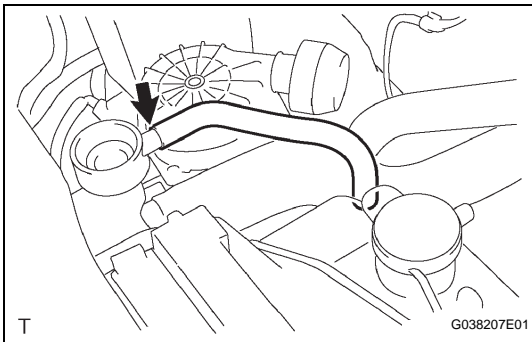
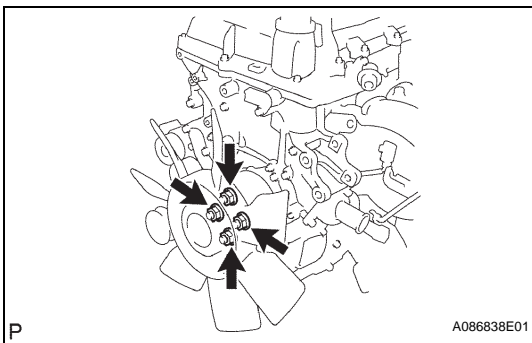
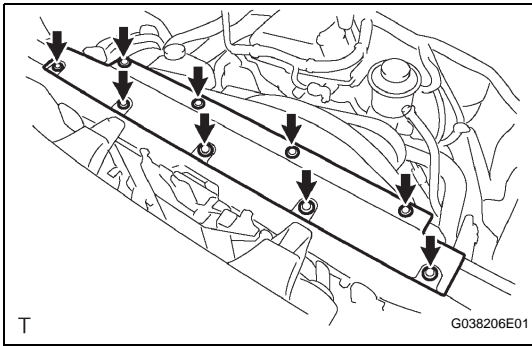


Injection Pressure kPa (kgf/cm ² , psi)	Injection Distance mm (in.)
2,942 to 4,903 (30 to 50, 427 to 711)	300 (11.811)
4,903 to 7,845 (50 to 80, 711 to 1,138)	500 (19.685)

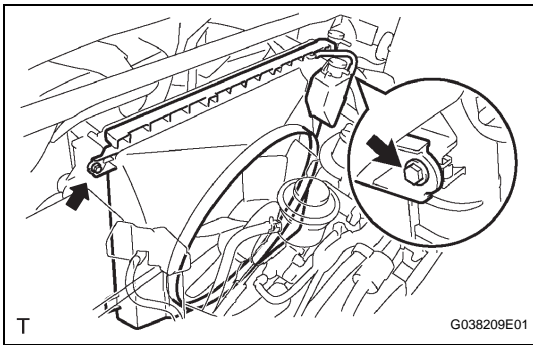
- If the fins are bent, straighten them with a screwdriver or pliers.
- Be careful not to expose electronic components to water.

REMOVAL

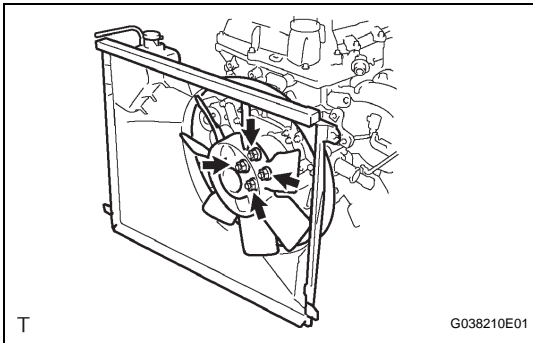
1. **DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL**
2. **REMOVE NO. 1 ENGINE UNDER COVER SUB-ASSEMBLY (for Pre Runner and 4WD Type)**
 - (a) Remove the 4 bolts, then remove the engine under cover No. 1.
3. **DRAIN ENGINE COOLANT (See page CO-3)**
4. **REMOVE RADIATOR SUPPORT TO FRAME SEAL LH**
 - (a) Disengage the 9 clips, then remove the radiator support to frame seal LH.



5. **REMOVE FAN SHROUD**
 - (a) Loosen the 4 nuts shown in the illustration.
 - (b) Remove the fan and generator V belt.
- (c) Disconnect the radiator reserve tank hose from the radiator.
- (d) Disconnect the oil cooler inlet and outlet hoses from the fan shroud. (for Automatic Transmission)



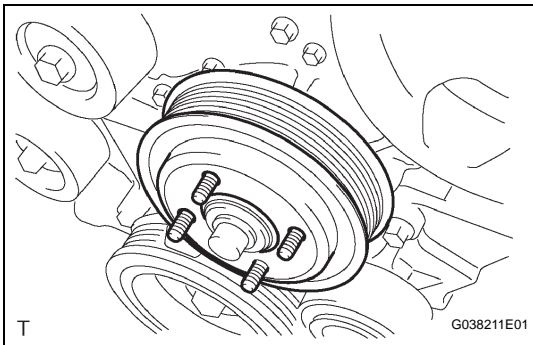
(e) Remove the 2 bolts shown in the illustration.



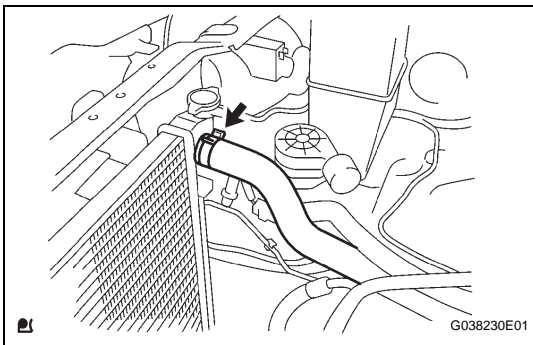
(f) Remove the 4 nuts, then remove the fan shroud and fan with fluid coupling together.

NOTICE:

Make sure that the fan shroud and fan with fluid coupling do not make any contact with the radiator when they are removed.

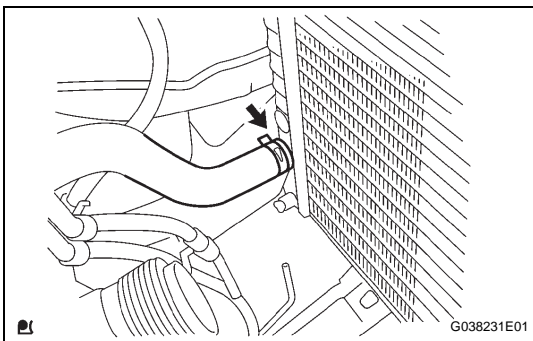


(g) Remove the fan pulley.

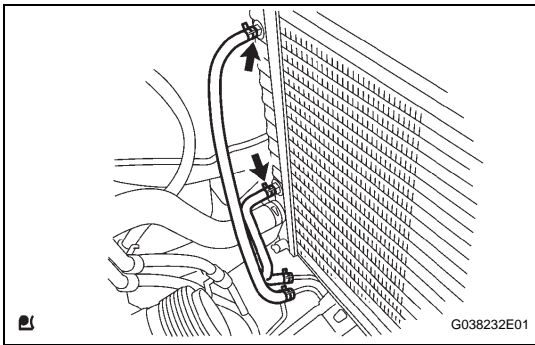


6. REMOVE RADIATOR ASSEMBLY

(a) Disconnect the radiator hose inlet.



(b) Disconnect the radiator hose No. 2.



- (c) Disconnect the oil cooler inlet and outlet hoses. (for Automatic Transmission)
- (d) Remove the 4 bolts, then remove the radiator.

