

4GR-FSE IGNITION > IGNITION COIL > INSTALLATION

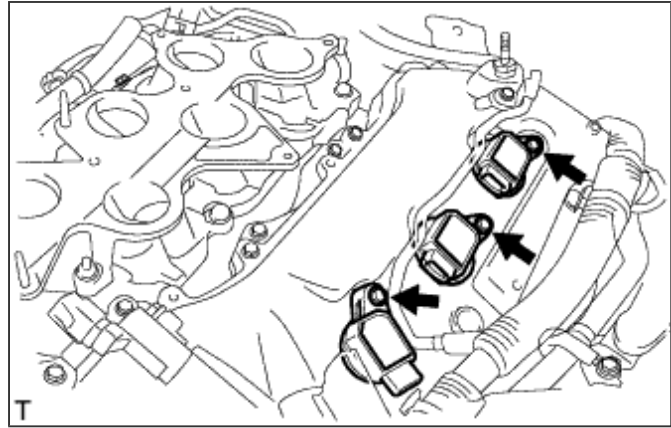
1. INSTALL IGNITION COIL ASSEMBLY

- a. Install the 6 ignition coils with the 6 bolts.

Torque:

10 N*m{ 102 kgf*cm , 7 ft.*lbf }

- b. Connect the 6 ignition coil connectors.



- a. Install a new gasket to the intake air surge tank.
- b. Using a 5 mm hexagon socket wrench, install the 6 bolts.

Torque:**Bolts except A:**

18 N*m{ 184 kgf*cm , 13 ft.*lbf }

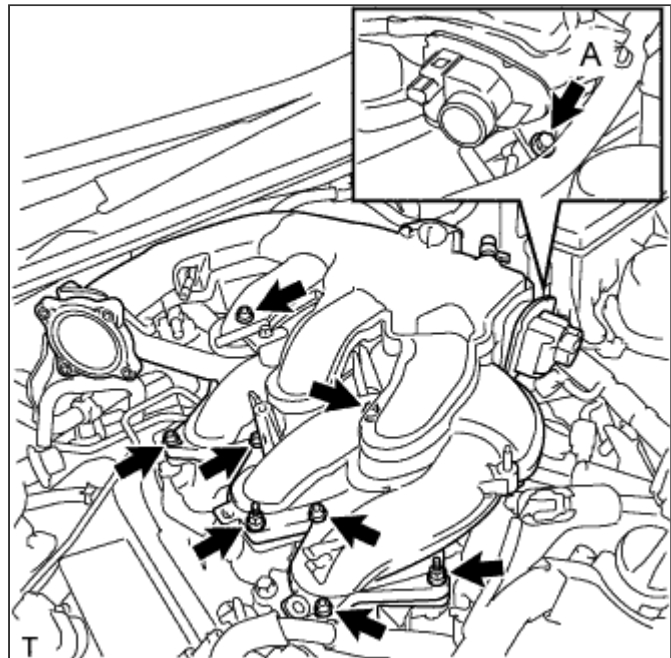
- c. Install the bolt and 2 nuts to the intake air surge tank.

Torque:**Bolt A:**

21 N*m{ 214 kgf*cm , 15 ft.*lbf }

Nut:

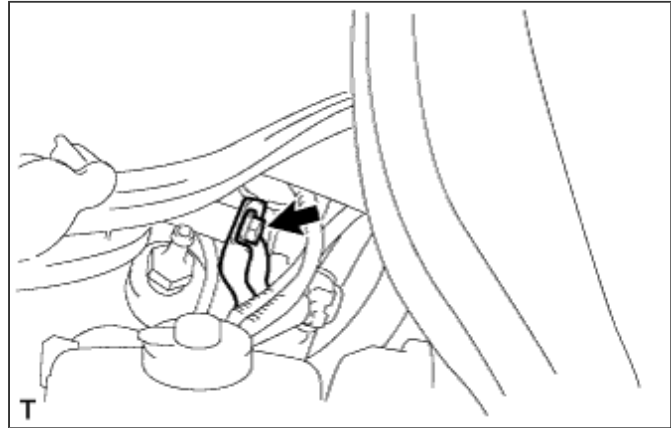
16 N*m{ 163 kgf*cm , 12 ft.*lbf }



- d. Install the surge tank stay to the intake air surge tank.

Torque:

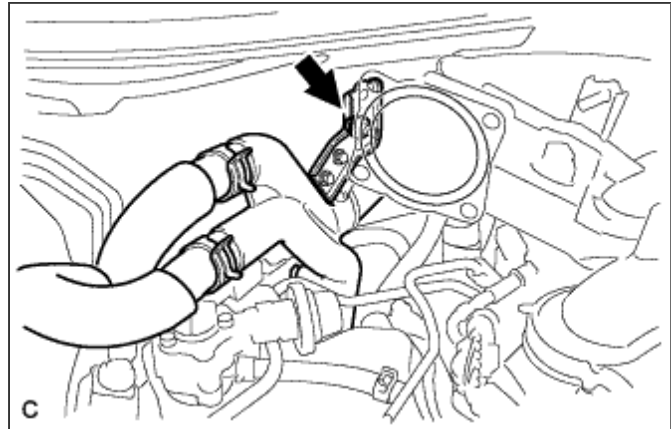
21 N*m{ 214 kgf*cm , 15 ft.*lbf }



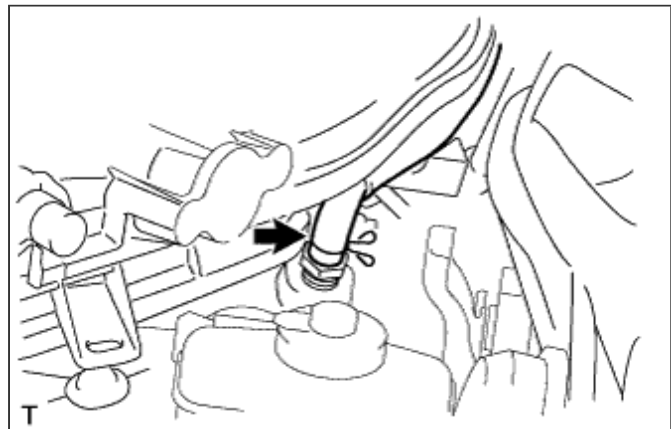
- e. Connect the water hose joint with the bolt.

Torque:

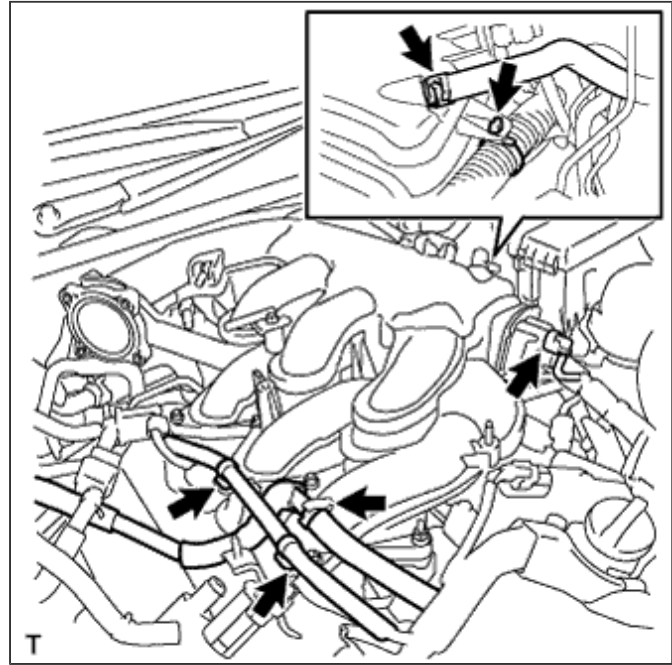
10 N*m{ 102 kgf*cm , 7 ft.*lbf }



- f. Connect the ventilation hose to the intake air surge tank.



- g. Connect the wire harness and hose to the intake air surge tank.

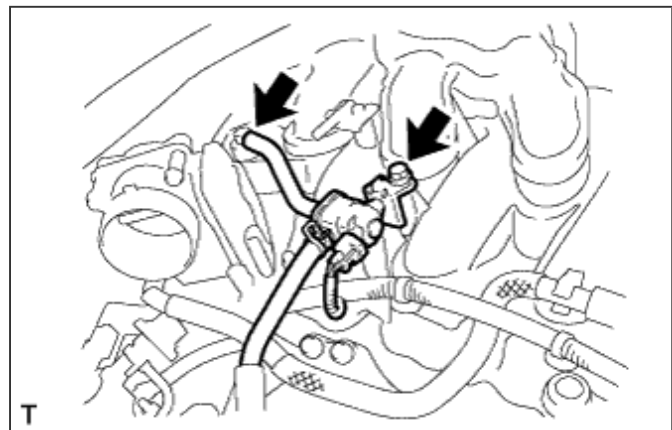


- h.** Connect the No. 1 vacuum switching valve assembly to the intake air surge tank.

Torque:

18 N*m { 184 kgf*cm , 13 ft.*lbf }

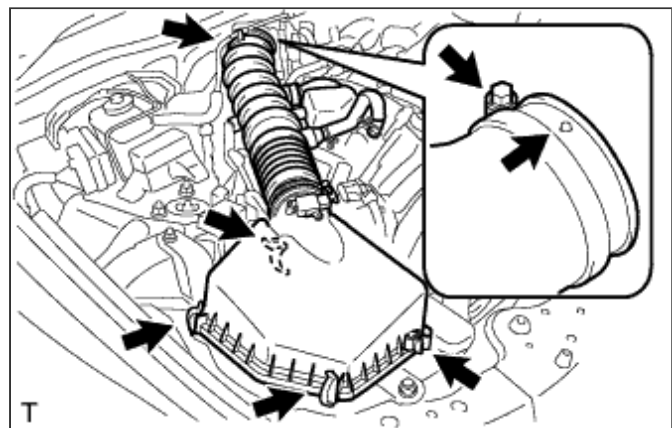
- i.** Connect the vacuum hose to the intake air surge tank.



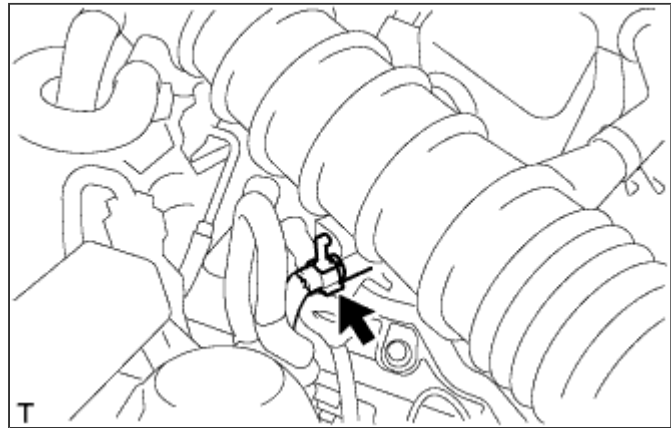
- a.** Install the air cleaner cap with air cleaner hose assembly with the 4 clamps and hose clamp.

HINT:

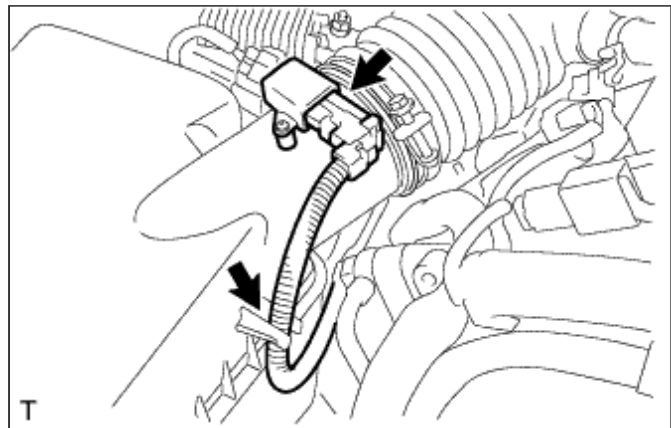
Be sure to install the air cleaner assembly so that the screw part of the hose clamp is as shown in the illustration.



- b.** Install the VSV hose to the air cleaner hose.

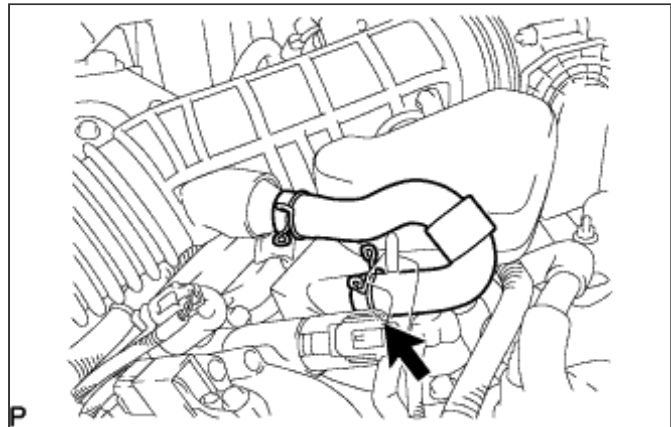


- c. Connect the MAF meter connector and clamp to the air cleaner.



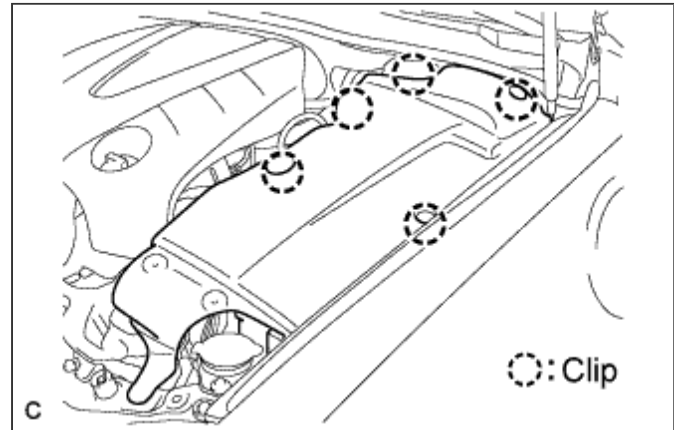
4. INSTALL NO. 2 VENTILATION HOSE

- a. Connect the ventilation hose to the cylinder head cover with the clamp.



5. INSTALL ENGINE ROOM SIDE COVER LH

- a. Install the side cover with the 5 clips.



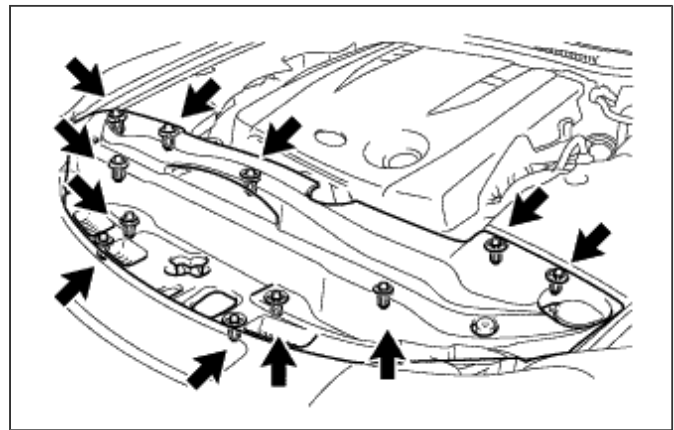
6. INSTALL ENGINE ROOM SIDE COVER RH

HINT:

Install the RH side following the same procedures as for the LH side.

7. INSTALL COOL AIR INTAKE DUCT SEAL

- a. Install the intake duct seal with the 11 clips.

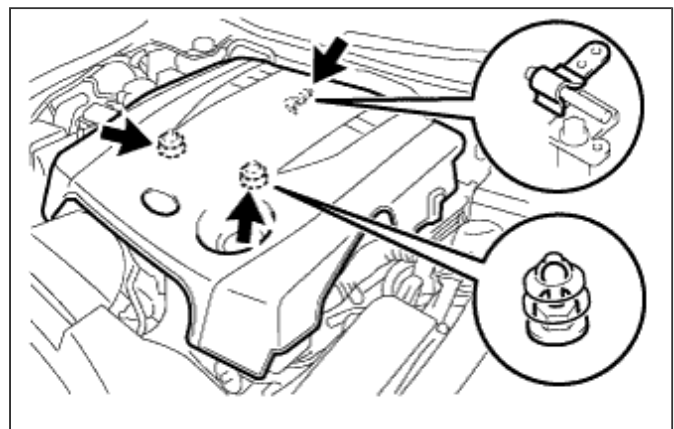


8. INSTALL V-BANK COVER SUB-ASSEMBLY

- a. Engage the 2 clips on the front of the cover, and then engage the clip on the rear to install the V-bank cover.

NOTICE:

- Be sure to engage the clips securely.
- Do not apply excessive force or do not hit the cover to engage the clips. This may cause the cover to break.



9. CONNECT BATTERY NEGATIVE TERMINAL

Torque:**5.4 N*m{ 55 kgf*cm , 48 in.*lbf }****10. PERFORM INITIALIZATION**

- a. Perform initialization (Refer to INTRODUCTION > REPAIR INSTRUCTION > PRECAUTION (200508 -)).

NOTICE:

Certain systems need to be initialized after disconnecting and reconnecting the cable from the negative (-) battery terminal.