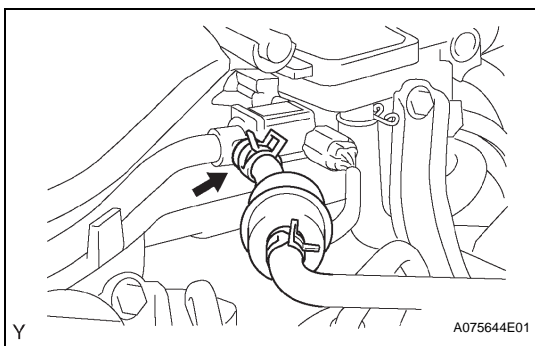
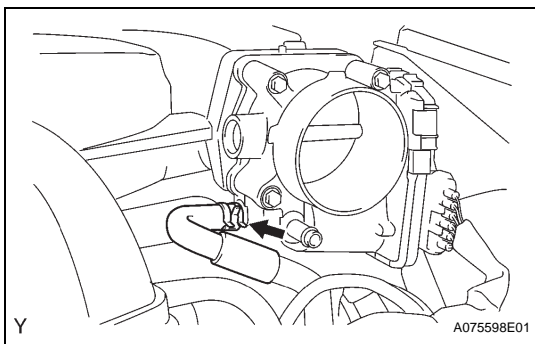
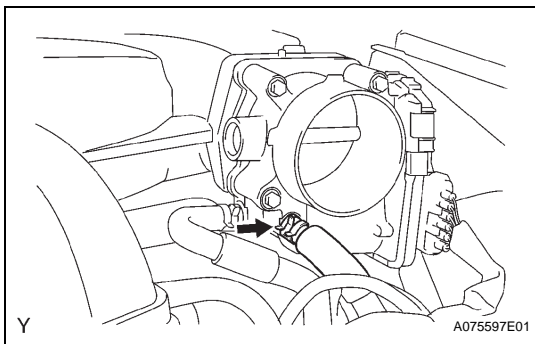


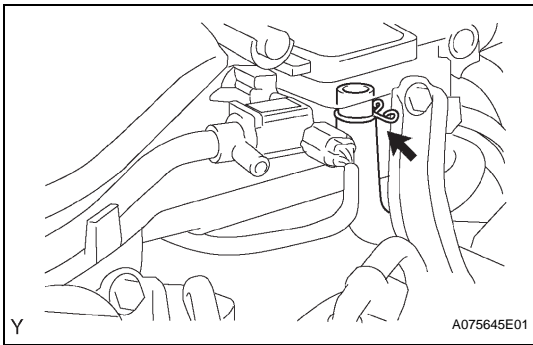
## REMOVAL

1. **DISCHARGE FUEL SYSTEM PRESSURE**  
(See page [FU-1](#))
2. **DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL**
3. **DRAIN ENGINE COOLANT** (See page [CO-3](#))
4. **REMOVE V-BANK COVER** (See page [ES-414](#))
5. **REMOVE AIR CLEANER ASSEMBLY** (See page [ES-415](#))
6. **REMOVE INTAKE AIR SURGE TANK**
  - (a) Disconnect the water by-pass hose No. 5.

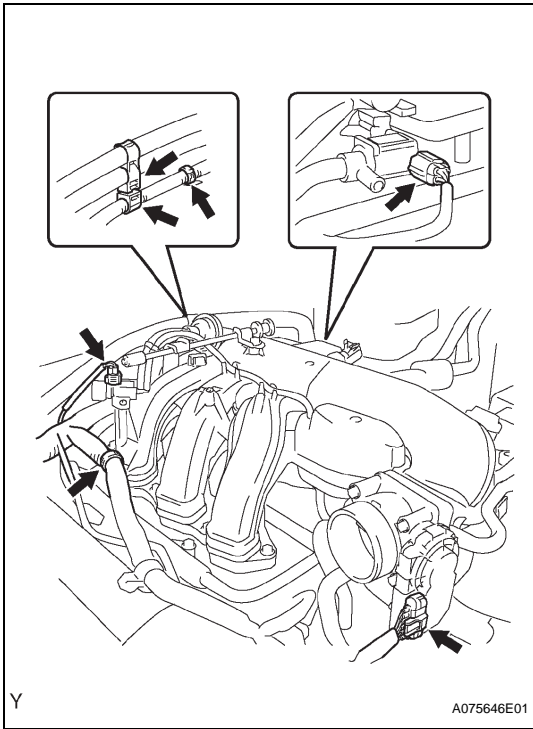


(b) Disconnect the water by-pass hose No. 4.

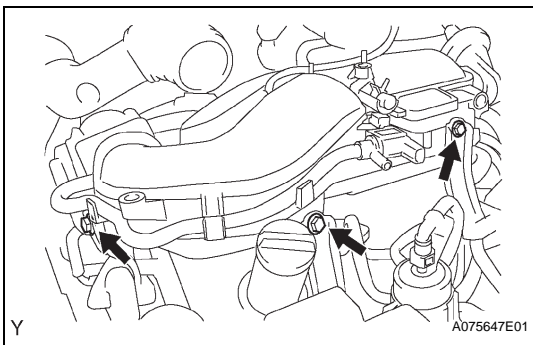
(c) Disconnect the fuel vapor feed hose.



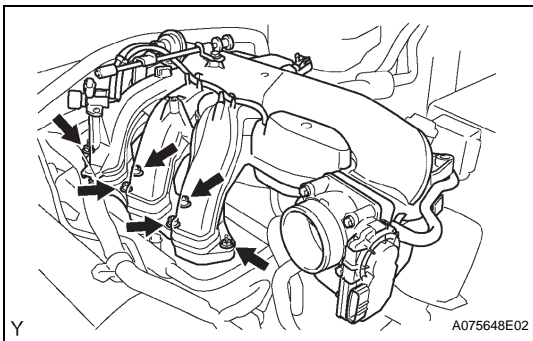
(d) Disconnect the ventilation hose.



- (e) Disconnect the 2 VSV connectors.
- (f) Disconnect the throttle motor connector.
- (g) Remove the 3 wire harness clamps and hose clamp.

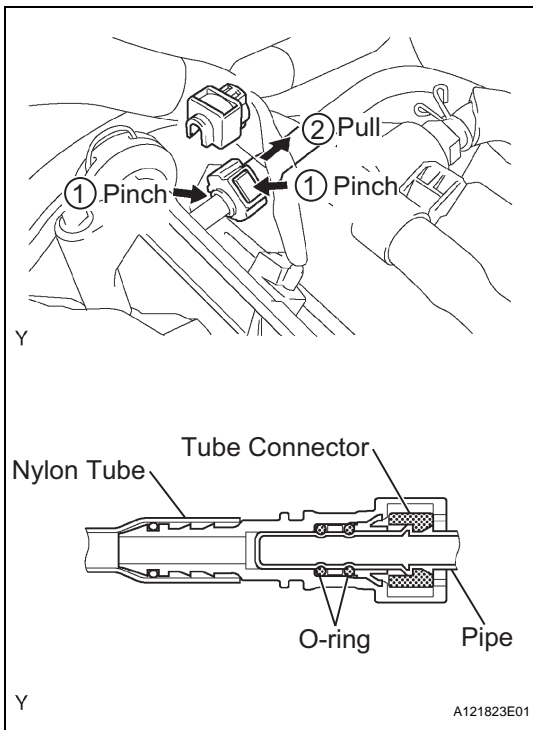


(h) Remove the 3 upper bolts which are used to secure the 2 surge tank stays and throttle body bracket.



- (i) Using an 8 mm socket hexagon wrench, remove the 4 bolts.
- (j) Remove the 2 nuts, then remove the intake air surge tank and gasket.

FU

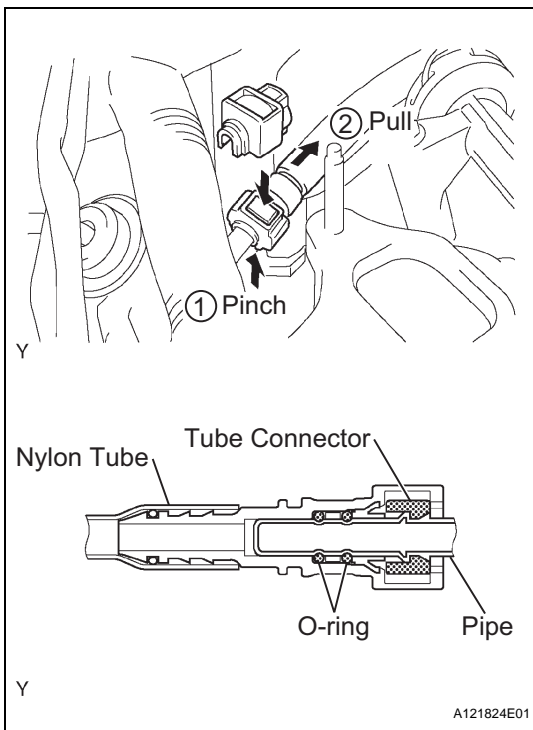


## 7. DISCONNECT NO.1 FUEL PIPE SUB-ASSEMBLY

- Remove the fuel pipe clamp.
- Pinch the tube connector, and then pull the fuel pipe out of the pipe as shown in the illustration.

### NOTICE:

- Remove any dirt and foreign objects from the fuel tube connector before performing this work.
- Do not allow any scratches or foreign objects on the parts when disconnecting, as the fuel tube connector has the O-ring that seals the pipe.
- Perform this work by hand. Do not use any tools.
- Do not forcibly bend, twist or turn the nylon tube.
- Protect the disconnected part by covering it with a vinyl bag after disconnecting the fuel tube.
- If the fuel tube connector and pipe are stuck, push and pull to release them.

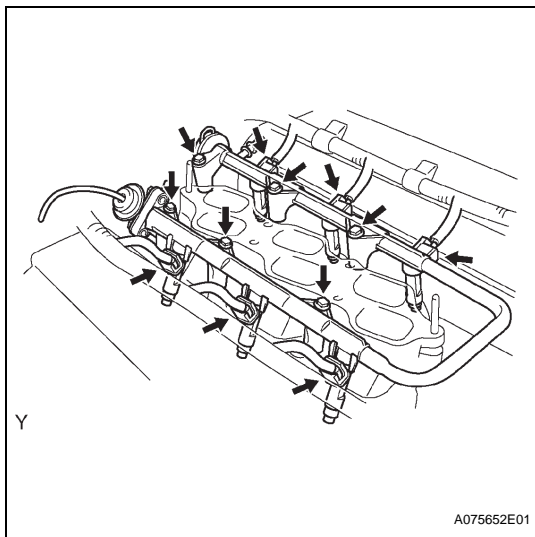


## 8. DISCONNECT NO.2 FUEL PIPE SUB-ASSEMBLY

- Remove the fuel pipe clamp.
- Pinch the tube connector, and then pull the fuel pipe out of the pipe as shown in the illustration.

### NOTICE:

- Remove any dirt and foreign objects from the fuel tube connector before performing this work.
- Do not allow any scratches or foreign objects on the parts when disconnecting, as the fuel tube connector has the O-ring that seals the pipe.
- Perform this work by hand. Do not use any tools.
- Do not forcibly bend, twist or turn the nylon tube.
- Protect the disconnected part by covering it with a vinyl bag after disconnecting the fuel tube.
- If the fuel tube connector and pipe are stuck, push and pull to release them.

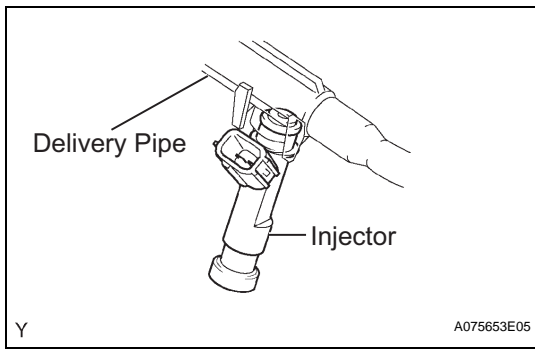


**9. REMOVE FUEL DELIVERY PIPE SUB-ASSEMBLY**

- (a) Disconnect the 6 fuel injector connectors.
- (b) Remove the 6 bolts and fuel delivery pipe together with the 6 fuel injectors.

**NOTICE:**

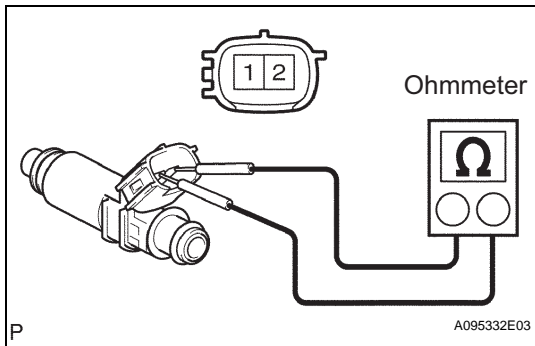
**Be careful not to drop the injectors when removing the fuel delivery pipe.**



**10. REMOVE FUEL INJECTOR**

- (a) Pull the 6 injectors out of the delivery pipe.

FU



**INSPECTION**

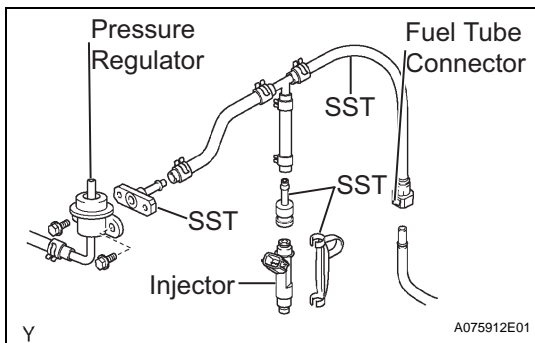
**1. INSPECT FUEL INJECTOR ASSEMBLY**

- (a) Check the resistance.
  - (1) Using an ohmmeter, measure the resistance between the terminals.

**Standard**

Tester Connection	Specified Condition
1 -2	11.6 to 12.4 Ωat 20°C (68°F)

If the result is not as specified, replace the fuel injector.



- (b) Check the injection volume.

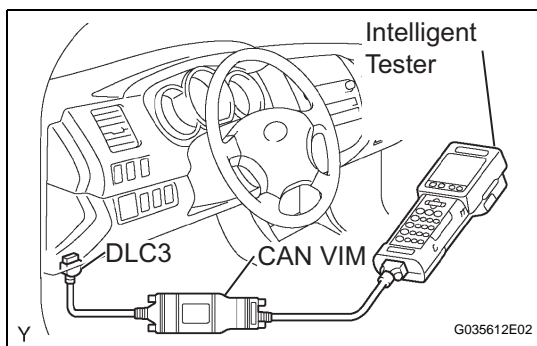
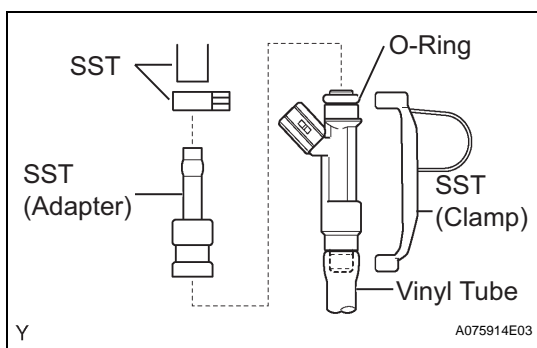
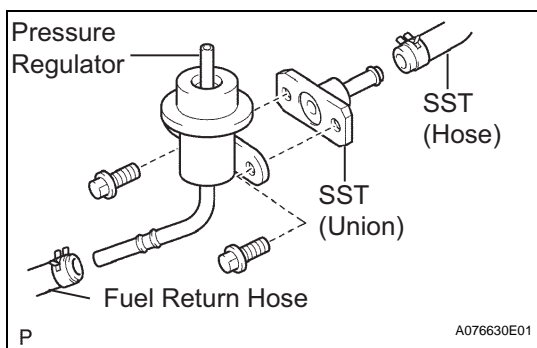
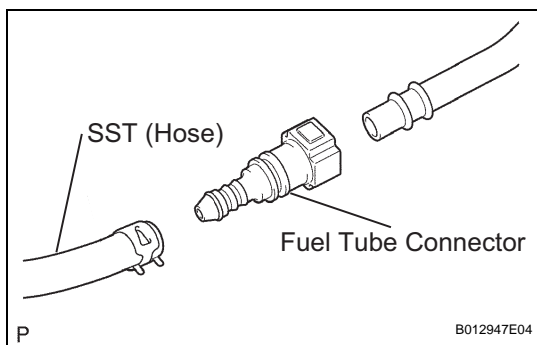
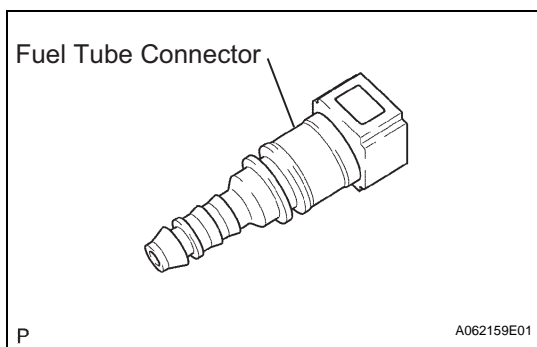
**NOTICE:**

- **Perform the test in a well-ventilated area and watch out for flames.**
- **Handle the fuel tube connector carefully.**

- (1) Prepare a new fuel tube.

**HINT:**

Part No. 23801-0P010



- (2) Using a cutter knife, cut the fuel tube protector. Tear the protector by hand, then remove the fuel tube connector.

**NOTICE:**

If the protector is cut too deeply with the cutter, the O-ring of the fuel tube connector will be damaged.

- (3) Install the fuel tube connector into SST (hose), then connect the tube connector to the fuel pipe.

**SST 09268-41047 (95336-08070)**

**CAUTION:**

Connect the fuel tube connector (quick type) after observing the precautions.

- (4) Remove the pressure regulator(see page 11-40).
- (5) Install the O-ring onto the fuel inlet of the pressure regulator.
- (6) Connect SST (hose) to the fuel inlet of the pressure regulator with another SST (union) and the 2 bolts.
- SST 09268-41047 (95336-08070, 09268-41091)**
- Torque: 9.0 N\*m (92 kgf\*cm, 80 in.\*lbf)**
- (7) Connect the fuel return hose to the fuel outlet of the pressure regulator.

- (8) Install a new O-ring onto the injector.
- (9) Connect SST (adaptor and hose) to the injector and hold the injector and union with SST (clamp).

**SST 09268-41047 (95336-08070), 09268-41140, 09268-41400**

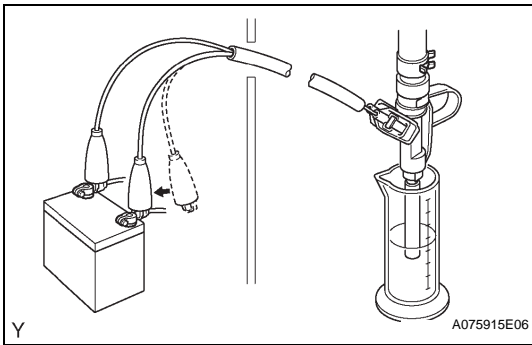
- (10) Set the injector in a graduated cylinder.

**CAUTION:**

Install a suitable vinyl tube onto the injector to prevent gasoline splashes.

- (11) Connect the intelligent tester to the DLC3.
- (12) Turn the ignition switch to ON.
- (13) Turn the intelligent tester ON.
- (14) Select the following menu items: DIAGNOSIS / ENHANCED OBD II / ACTIVE TEST / FUEL PUMP / SPD / ON.
- (15) Install SST onto the fuel injector.

**SST 09842-30080**



(16) Connect SST to the battery, then measure the injection volume for 15 seconds. Perform the inspection 2 or 3 times, then calculate the average.

**Standard:**

Injection Volume	Difference Between Each Fuel Injector
76 to 91 cm <sup>3</sup> (4.6 to 5.5 cu in.) per 15 seconds	15 cm <sup>3</sup> (0.9 cu in.) or less

**NOTICE:**

**Always do the switching at the battery side.**  
If the result is not as specified, replace the fuel injector.

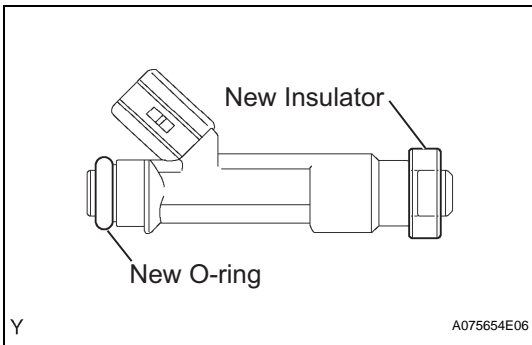
- (c) Check the fuel leakage.
  - (1) When checking the injection volume, remove SST from the battery. Inspect the fuel leakage from the fuel injector.

**Standard:**

**1 drop or less every 12 minutes.**

If the result is not as specified, replace the fuel injector.

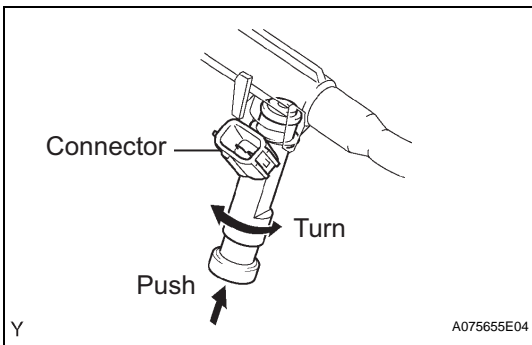
FU



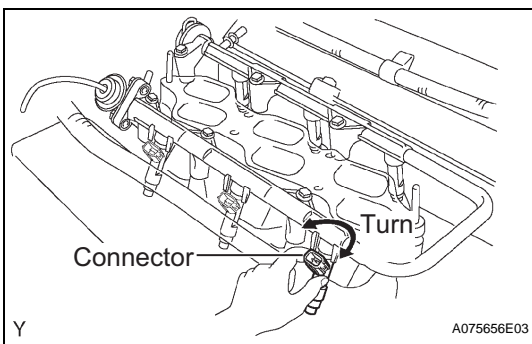
**INSTALLATION**

**1. INSTALL FUEL INJECTOR**

- (a) Install a new insulator onto each fuel injector.
- (b) Apply a light coat of spindle oil or gasoline to a new O-ring and install it onto each fuel injector.



- (c) While turning the fuel injector left and right, install it onto the fuel delivery pipe.
- (d) Position the fuel injector connector facing outward.



**2. INSTALL FUEL DELIVERY PIPE SUB-ASSEMBLY**

- (a) Place the fuel delivery pipe together with the 6 fuel injectors on the intake manifold.
- (b) Provisionally install the 6 bolts, which are used to hold the fuel delivery pipe, onto the intake manifold.
- (c) Check that the fuel injectors rotate smoothly.
 

**HINT:**  
If the fuel injectors do not rotate smoothly, replace the O-ring.
- (d) Position the fuel injector connector facing outward.

- (e) Tighten the 6 bolts, which are used to hold the fuel delivery pipe, to the intake manifold.

**Torque: 15 N\*m (153 kgf\*cm, 11 ft.\*lbf)**

- (f) Connect the 6 fuel injector connectors.

### 3. CONNECT FUEL PIPE SUB-ASSEMBLY

- (a) Push the tube connector into the pipe until the tube connector makes a "click" sound.

**NOTICE:**

- **Check if there is any damage or foreign objects on the connected part of the fuel pipe.**
- **After connecting, check that the pipe and connector are securely connected by pulling them.**

- (b) Install the fuel pipe clamp.

### 4. CONNECT NO.1 FUEL PIPE SUB-ASSEMBLY

- (a) Push the tube connector into the pipe until the tube connector makes a "click" sound.

**NOTICE:**

- **Check if there is any damage or foreign objects on the connected part of the fuel pipe.**
- **After connecting, check that the pipe and connector are securely connected by pulling them.**

- (b) Install the fuel pipe clamp.

### 5. INSTALL INTAKE AIR SURGE TANK

- (a) Install a new gasket and the intake air surge tank with the 2 nuts.

**Torque: 28 N\*m (286 kgf\*cm, 21 ft.\*lbf)**

- (b) Using an 8 mm socket hexagon wrench, install the 4 bolts.

**Torque: 28 N\*m (286 kgf\*cm, 21 ft.\*lbf)**

- (c) Install the 3 upper bolts which are used to secure the 2 surge tank stays and throttle body bracket.

**Torque: 21 N\*m (214 kgf\*cm, 16 ft.\*lbf)**

- (d) Install the 3 wire harness clamps and hose clamp.

- (e) Connect the throttle motor connector.

- (f) Connect the 2 VSV connectors.

- (g) Connect the ventilation hose.

- (h) Connect the fuel vapor feed hose.

- (i) Connect the water by-pass hose No. 4.

- (j) Connect the water by-pass hose No. 5.

### 6. INSTALL AIR CLEANER ASSEMBLY (See page [ES-416](#))

### 7. INSTALL V-BANK COVER (See page [ES-416](#))

### 8. CONNECT CONNECT BATTERY NEGATIVE TERMINAL

**Torque: 3.9 N\*m (40 kgf\*cm, 35 in.\*lbf)**

### 9. ADD ENGINE COOLANT (See page [CO-3](#))

### 10. CHECK FOR ENGINE COOLANT LEAKAGE (See page [CO-4](#))

**11. CHECK FOR FUEL LEAKAGE**

**FU**