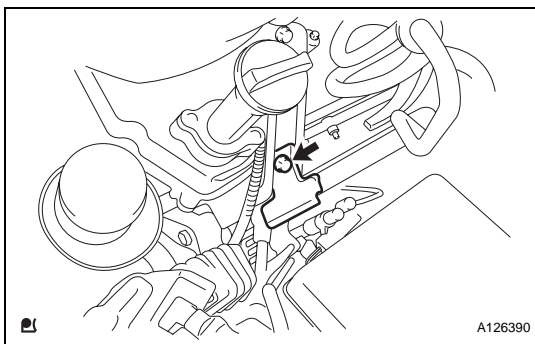
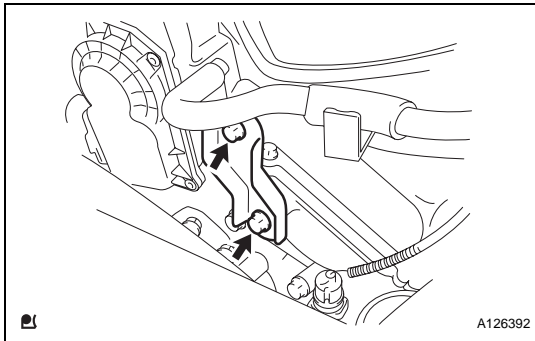
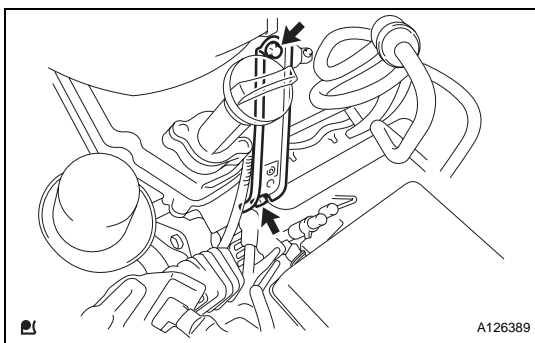


REMOVAL

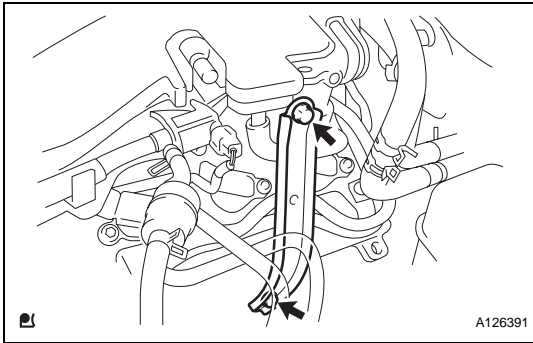
1. **DISCHARGE FUEL SYSTEM PRESSURE**
(See page [FU-1](#))
2. **DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL**
3. **DRAIN ENGINE COOLANT** (See page [CO-3](#))
4. **REMOVE V-BANK COVER** (See page [ES-428](#))
5. **REMOVE AIR CLEANER ASSEMBLY** (See page [ES-429](#))
6. **REMOVE THROTTLE BODY BRACKET**
(a) Remove the 2 bolts and the throttle body bracket.



7. **REMOVE OIL BAFFLE PLATE**
(a) Remove the bolt and the oil baffle plate.



8. **REMOVE NO. 1 SURGE TANK STAY**
(a) Remove the 2 bolts and the No. 1 surge tank stay.



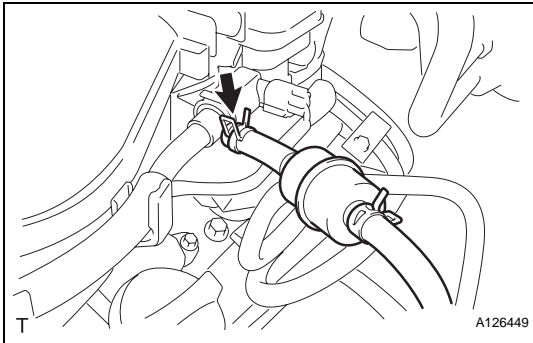
9. REMOVE NO. 2 SURGE TANK STAY

- (a) Remove the 2 bolts and the No. 2 surge tank stay.

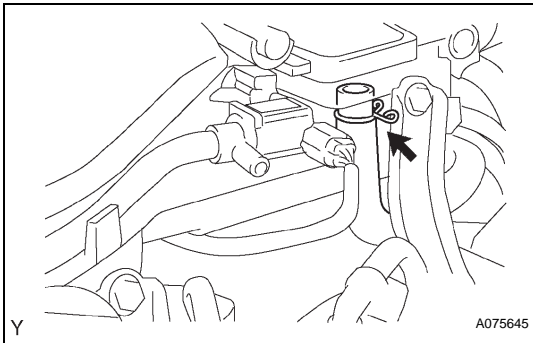


10. REMOVE INTAKE AIR SURGE TANK

- (a) Disconnect the 2 water by-pass hoses.

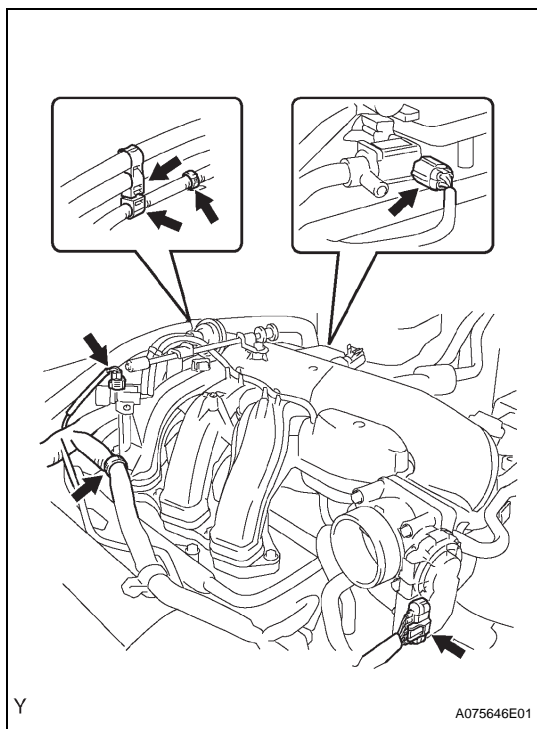


- (b) Disconnect the fuel vapor feed hose.

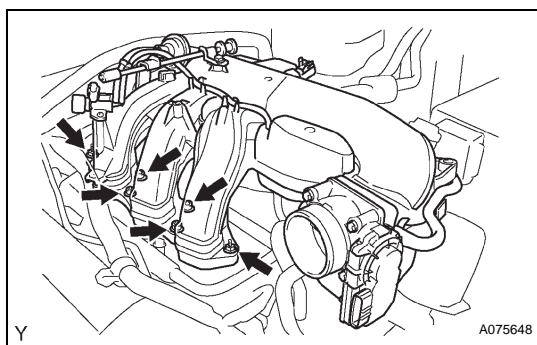


- (c) Disconnect the ventilation hose.

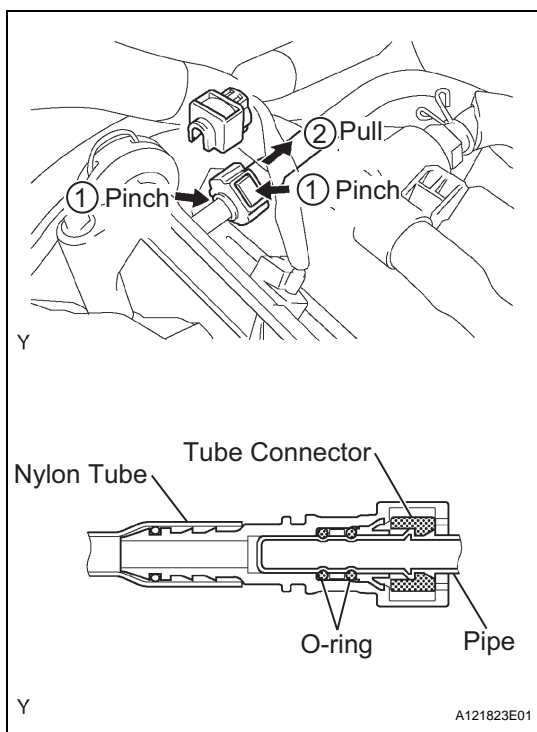
FU



- (d) Disconnect the 2 VSV connectors.
- (e) Disconnect the throttle body with motor connector.
- (f) Separate the 3 wire harness clamps and the hose clamp.



- (g) Remove the 2 nuts.
- (h) Using a socket hexagon wrench 8, remove the 4 bolts, intake air surge tank and the gasket.

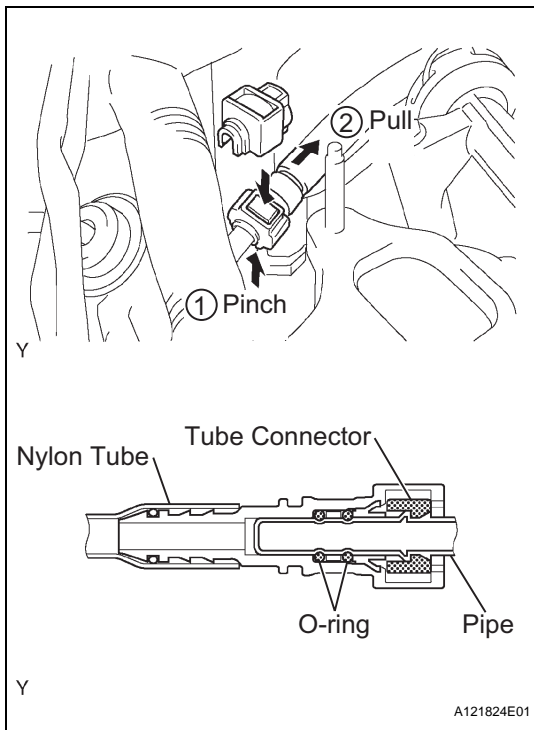


11. DISCONNECT NO. 1 FUEL PIPE SUB-ASSEMBLY

- (a) Remove the No. 2 fuel pipe clamp.
- (b) Pinch the tube connector, and then pull the fuel pipe out of the delivery 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.

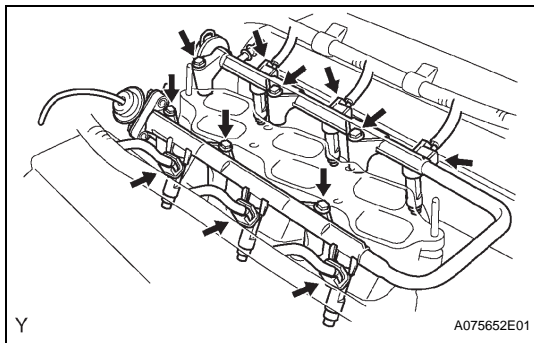


12. DISCONNECT NO. 2 FUEL PIPE SUB-ASSEMBLY

- (a) Remove the No. 2 fuel pipe clamp.
- (b) Pinch the tube connector, and then pull the fuel pipe out of the delivery 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.

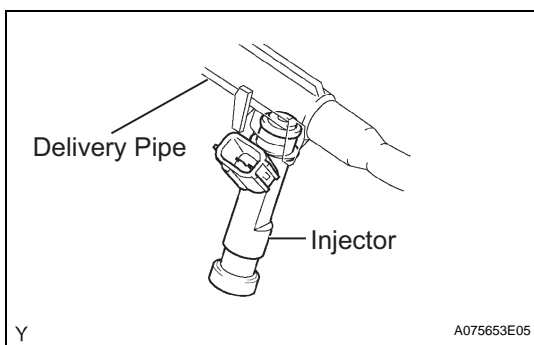


13. REMOVE FUEL DELIVERY PIPE SUB-ASSEMBLY

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

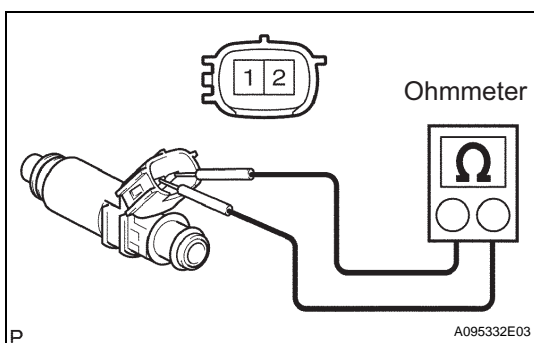
NOTICE:

- Do not drop the injectors when removing the fuel delivery pipe.**



14. REMOVE FUEL INJECTOR

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



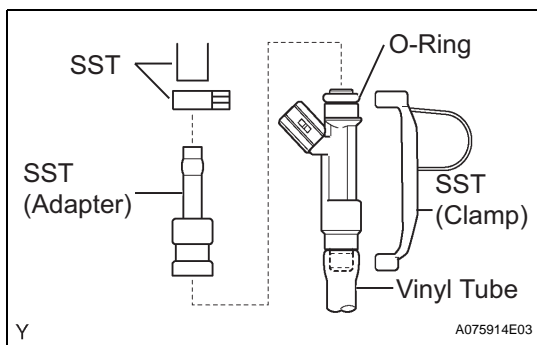
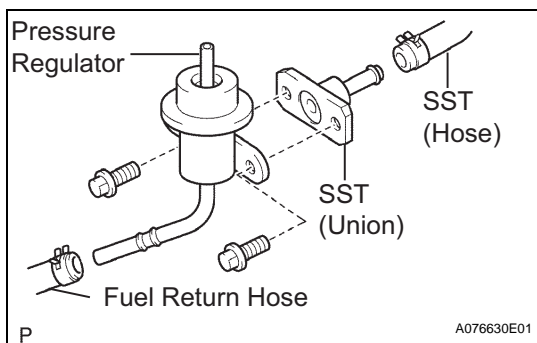
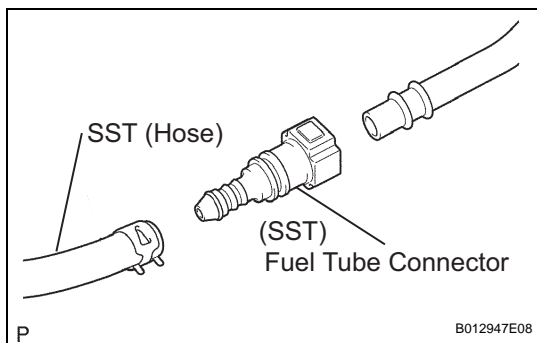
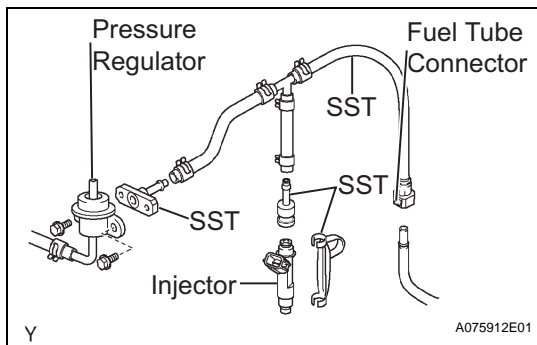
INSPECTION

1. INSPECT FUEL INJECTOR ASSEMBLY

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

Standard resistance

Tester Connection	Specified Condition
1 - 2	11.6 to 12.4 Ω at 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 away from naked flames.
- Handle the fuel tube connector carefully.

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

SST 09268-31011 (95336-08070, 09268-41500)

CAUTION:

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

- (2) Remove the fuel pressure regulator (See page [FU-22](#)).
- (3) Install the O-ring onto the fuel inlet of the pressure regulator.

- (4) Connect SST (hose) to the fuel inlet of the pressure regulator with another SST (union) and the 2 bolts.

SST 09268-31011 (09268-41091, 95336-08070)

Torque: 9.0 N*m (92 kgf*cm, 80 in.*lbf)

- (5) Connect the fuel return hose to the fuel outlet of the pressure regulator.

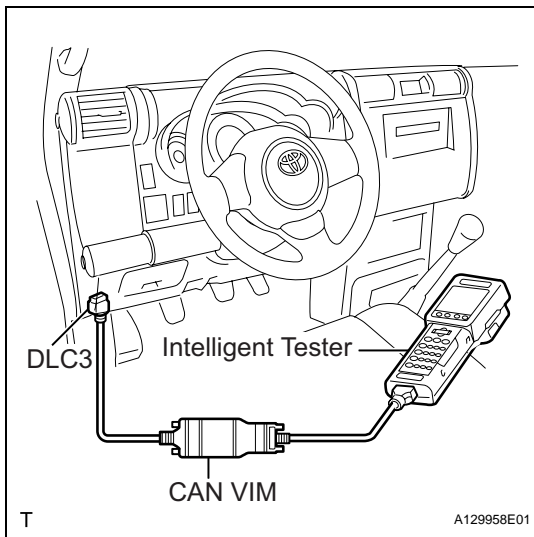
- (6) Install a new O-ring onto the injector.
- (7) Connect SST (adaptor and hose) to the injector and hold the injector and union with SST (clamp).

SST 09268-31011 (95336-08070, 09268-41100), 09268-41140

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

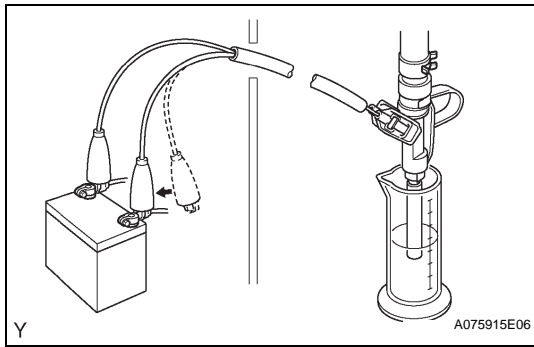
CAUTION:

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



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

FU



- (14) 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 ³ (4.6 to 5.5 cu in.) per 15 seconds	15 cm ³ (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 for fuel leakage.
 - (1) When checking the injection volume, remove SST from the battery. Inspect the fuel leakage from the fuel injector.

Standard:

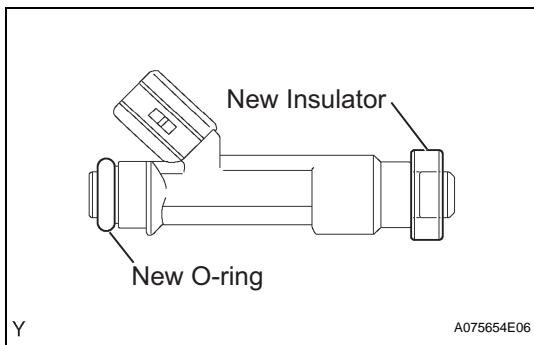
1 drop or less every 12 minutes.

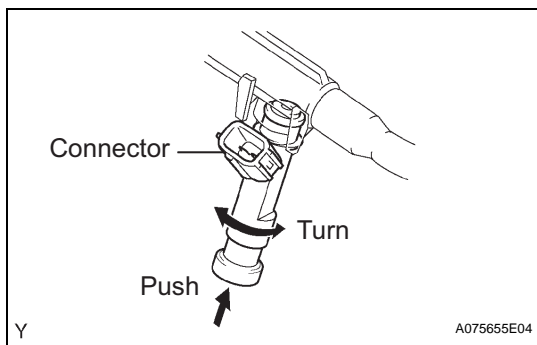
If the result is not as specified, replace the fuel injector.

INSTALLATION

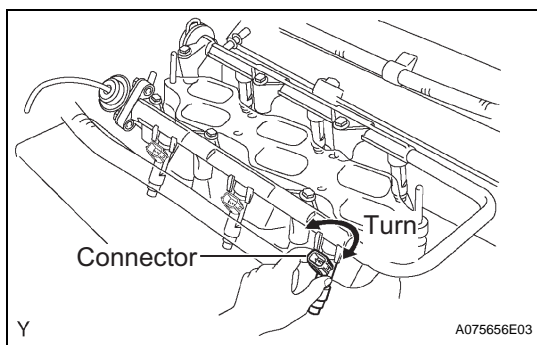
1. INSTALL FUEL INJECTOR

- (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 each 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 NO. 2 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.

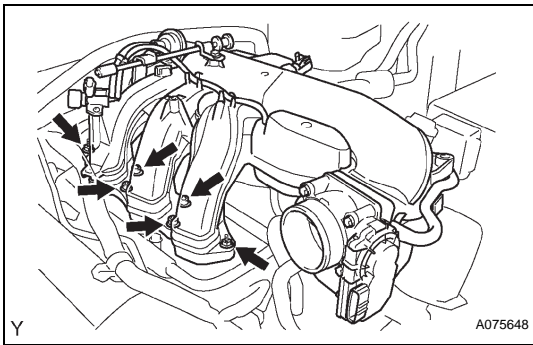
NOTICE:

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

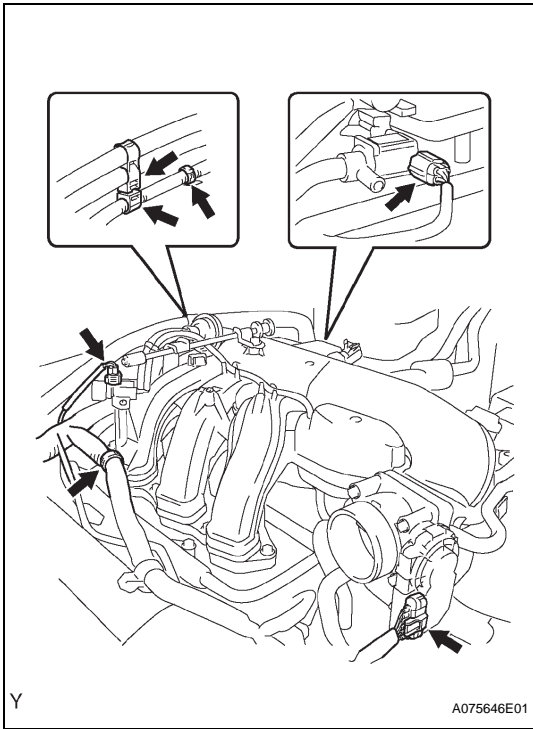
- (b) Install the fuel pipe clamp.

5. INSTALL INTAKE AIR SURGE TANK

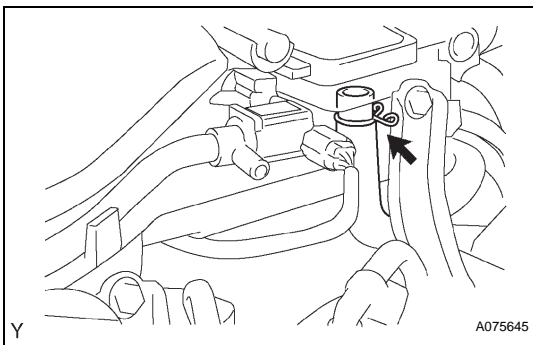
- (a) Install a new gasket onto the intake air surge tank.



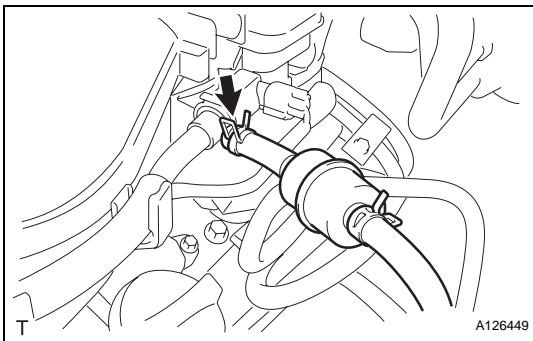
- (b) Using a socket hexagon wrench 8, install the intake air surge tank with the 4 bolts.
Torque: 28 N*m (286 kgf*cm, 21 ft.*lbf)
- (c) Install the 2 nuts.
Torque: 28 N*m (286 kgf*cm, 21 ft.*lbf)



- (d) Install the 3 wire harness clamps and hose clamp.
- (e) Connect the throttle body with motor connector.
- (f) Connect the 2 VSV connectors.



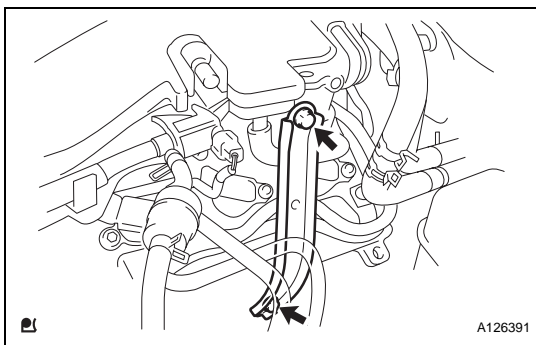
- (g) Connect the ventilation hose.



- (h) Connect the fuel vapor feed hose.

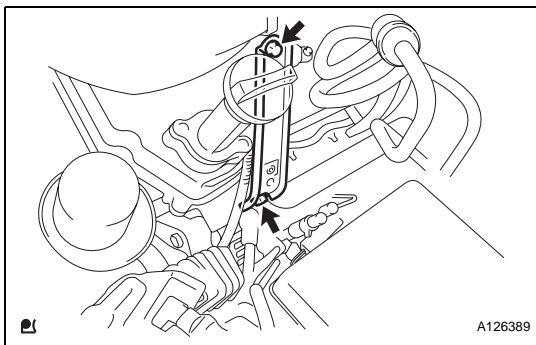


- (i) Connect the 2 water by-pass hoses.



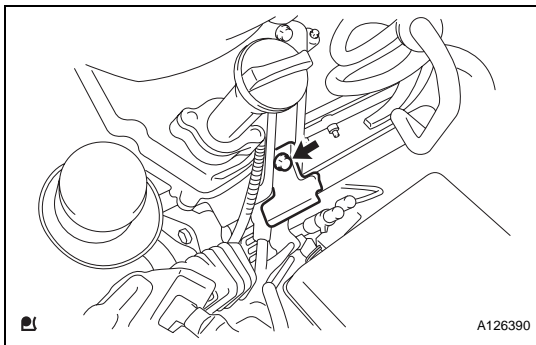
6. INSTALL NO. 2 SURGE TANK STAY

- (a) Install the No. 2 surge tank stay with the 2 bolts.
Torque: 21 N*m (214 kgf*cm, 15 ft.*lbf)



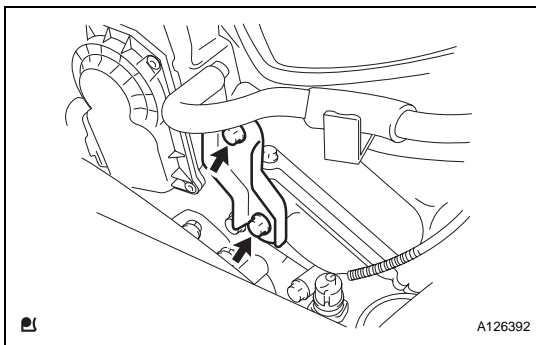
7. INSTALL NO. 1 SURGE TANK STAY

- (a) Install the No. 1 surge tank stay with the 2 bolts.
Torque: 21 N*m (214 kgf*cm, 15 ft.*lbf)



8. INSTALL OIL BAFFLE PLATE

- (a) Install the oil baffle plate with the bolt.
Torque: 9.0 N*m (92 kgf*cm, 80 in.*lbf)



9. INSTALL THROTTLE BODY BRACKET

- (a) Install the throttle body bracket with the 2 bolts.
Torque: 21 N*m (214 kgf*cm, 15 ft.*lbf)

10. INSTALL AIR CLEANER ASSEMBLY (See page [ES-431](#))

11. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

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

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

13. CHECK FOR ENGINE COOLANT LEAKAGE (See page [CO-4](#))
14. CHECK FOR FUEL LEAKAGE
15. INSTALL V-BANK COVER (See page [ES-431](#))