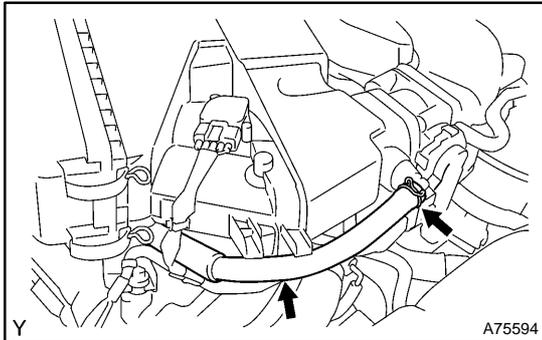
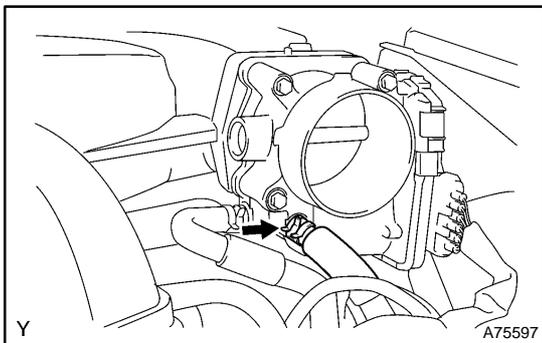


REPLACEMENT

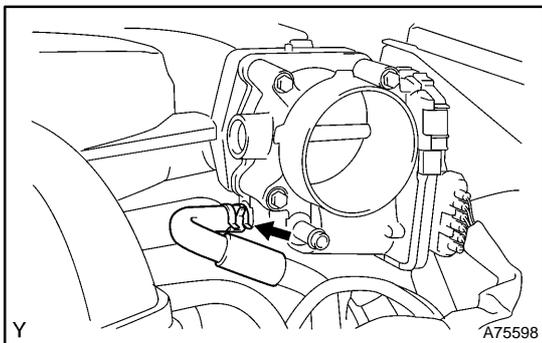
1. WORK FOR PREVENTING GASOLINE FROM SPILLING OUT (See page 11-1)
2. DRAIN ENGINE COOLANT (See page 16-5)
3. REMOVE V-BANK COVER (See page 10-7)



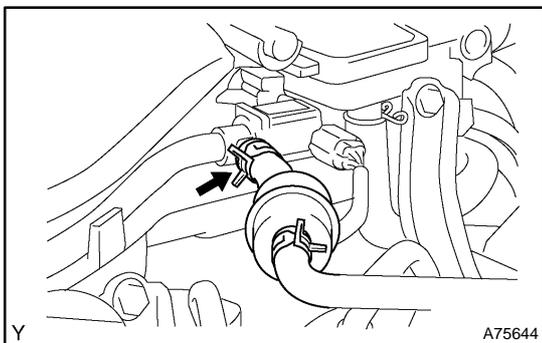
4. DISCONNECT VENTILATION HOSE NO.2
5. REMOVE AIR CLEANER ASSY (See page 10-7)



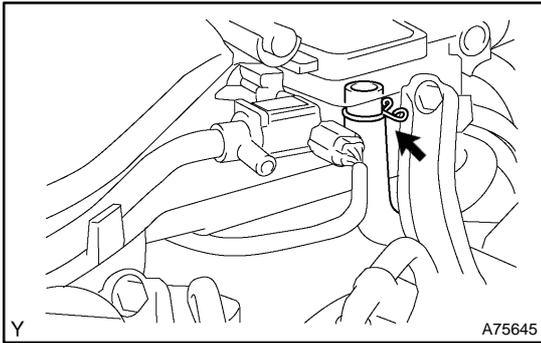
6. DISCONNECT WATER BY-PASS HOSE NO.5



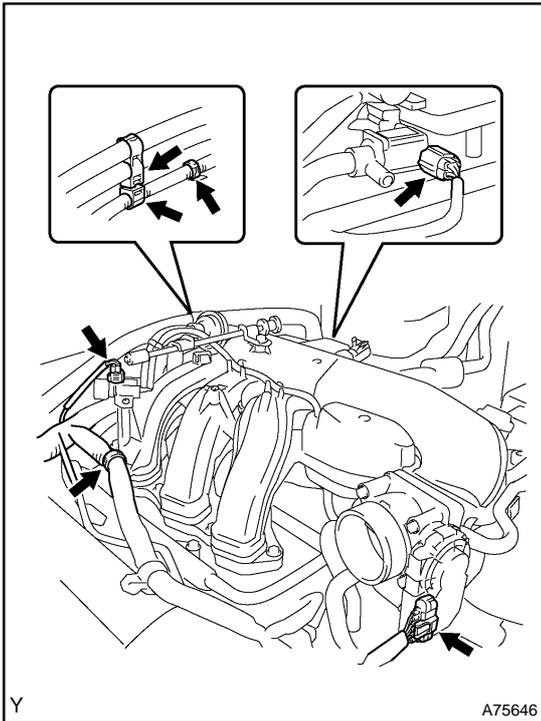
7. DISCONNECT WATER BY-PASS HOSE NO.4



8. DISCONNECT FUEL VAPOR FEED HOSE ASSY

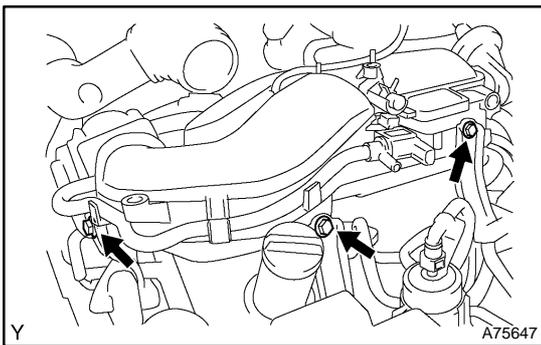


9. DISCONNECT VENTILATION HOSE

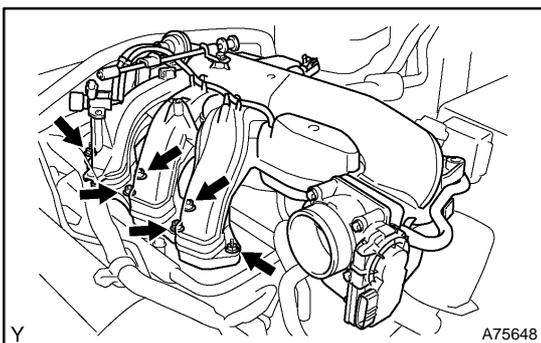


10. REMOVE INTAKE AIR SURGE TANK

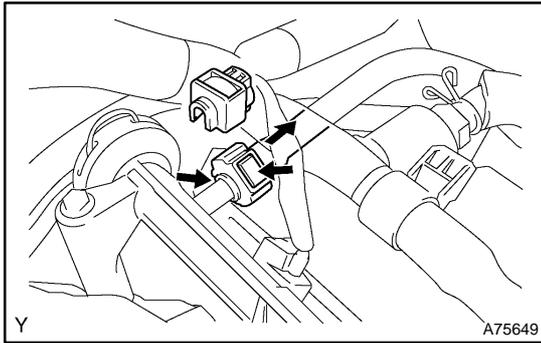
- (a) Disconnect the 2 VSV connectors.
- (b) Disconnect the throttle motor connector.
- (c) Remove the 3 wire harness clamps and hose clamp.



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



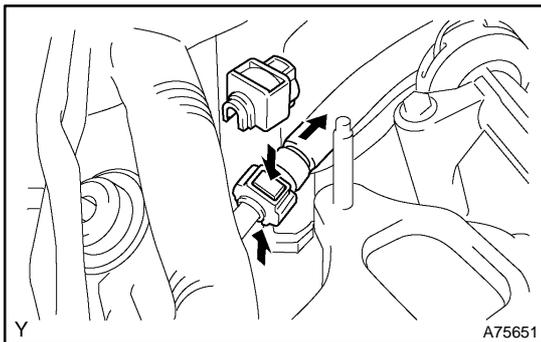
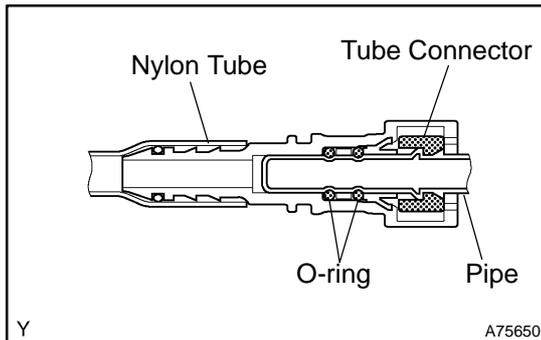
- (e) Using the socket hexagon wrench 8, remove the 4 bolts.
- (f) Remove the 2 nuts, intake air surge tank and gasket.

**11. DISCONNECT FUEL PIPE SUB-ASSY NO.1**

- (a) Remove the fuel pipe clamp.
- (b) Pinch the tube connector then pull out the fuel pipe.

NOTICE:

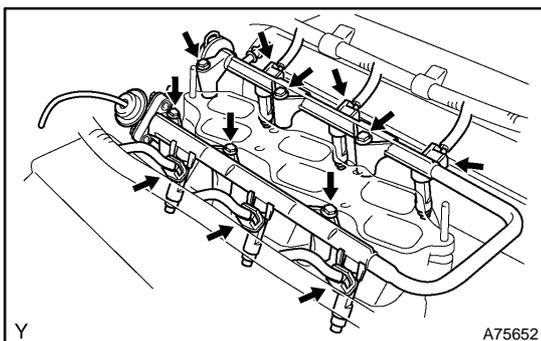
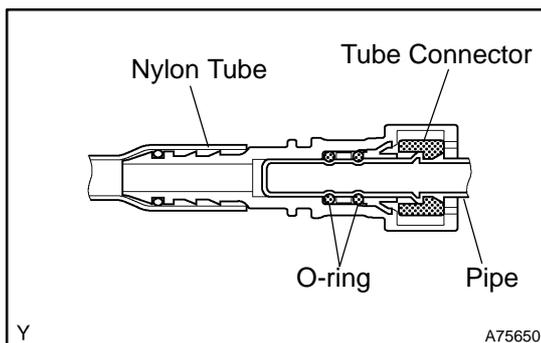
- Check if there is any dirt like mud around the connector before this work, because the quick connector has the O-ring to seal the fuel pipe and fuel delivery pipe. Clean dirt away if necessary.
- Do not use any tool in this work.
- Do not bend or twist the nylon tube.
- Keep off plug from foreign objects.
- To protect the fuel pipe, cover it with a vinyl bag after checking.
- When the fuel pipe and fuel delivery pipe are stuck, pinch the nylon tube with fingers, and turn it carefully to free and then disconnect the fuel pipe.

**12. DISCONNECT FUEL PIPE SUB-ASSY NO.2**

- (a) Remove the fuel pipe clamp.
- (b) Pinch the tube connector then pull out the fuel pipe.

NOTICE:

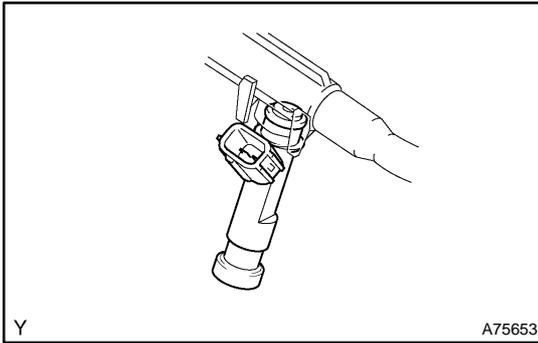
- Check if there is any dirt like mud around the connector before this work, because the quick connector has the O-ring to seal the fuel pipe and fuel delivery pipe. Clean dirt away if necessary.
- Do not use any tool in this work.
- Do not bend or twist the nylon tube.
- Keep off plug from foreign objects.
- To protect the fuel pipe, cover it with a vinyl bag after checking.
- When the fuel pipe and fuel pressure regulator are stuck, pinch the nylon tube with fingers, and turn it carefully to free and then disconnect the fuel pipe.

**13. REMOVE FUEL DELIVERY PIPE SUB-ASSY**

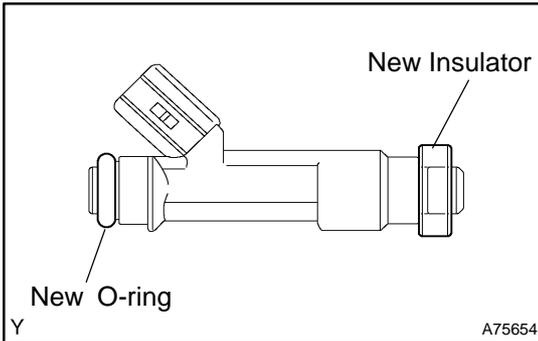
- (a) Disconnect the 6 fuel injector connectors.
- (b) Remove the 6 bolts and fuel delivery pipe together with the 6 fuel injectors.

NOTICE:

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

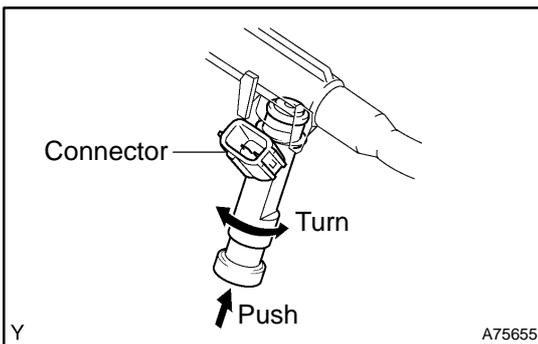


14. REMOVE FUEL INJECTOR ASSY

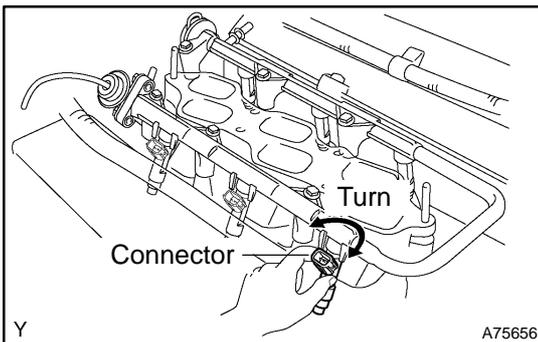


15. INSTALL FUEL INJECTOR ASSY

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



- While turning the fuel injector left and right, install it to the fuel delivery pipe.
- Position the fuel injector connector outward.



16. INSTALL FUEL DELIVERY PIPE SUB-ASSY

- Place the fuel delivery pipe together with the 6 fuel injectors on the intake manifold.
- Temporarily install the 6 bolts which are used to hold the fuel delivery pipe to the intake manifold.
- Check that the fuel injectors rotate smoothly.

HINT:

If fuel injectors do not rotate smoothly, the probable cause is incorrect installation of O-rings. Replace an O-ring.

- Position the fuel injector connector outward.
- 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)

- Connect the 6 fuel injector connectors.

17. CONNECT FUEL PIPE SUB-ASSY NO.2

- Push in the tube connector to the pipe then tube connector makes "click" sound.

NOTICE:

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

- Install the fuel pipe clamp.

4RUNNER Supplement (RM1034U)

18. CONNECT FUEL PIPE SUB-ASSY NO.1

- (a) Push in the tube connector to the pipe then tube connector makes "click" sound.

NOTICE:

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

19. 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 the socket hexagon wrench 8, 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.

20. CONNECT VENTILATION HOSE**21. CONNECT FUEL VAPOR FEED HOSE ASSY****22. CONNECT WATER BY-PASS HOSE NO.4****23. CONNECT WATER BY-PASS HOSE NO.5****24. INSTALL AIR CLEANER ASSY (See page 10-7)****25. CONNECT VENTILATION HOSE NO.2****26. INSTALL V-BANK COVER (See page 10-7)****27. ADD ENGINE COOLANT (See page 16-5)****28. CHECK FOR ENGINE COOLANT LEAKS (See page 16-1)****29. CHECK FOR FUEL LEAKS (See page 11-5)**