

23. Fuel Tank

A: REMOVAL

WARNING:

Place "NO OPEN FLAMES" signs near the working area.

CAUTION:

- Be careful not to spill fuel.
- Catch the fuel from the tubes using a container or cloth.

1) Release the fuel pressure. <Ref. to FU(H6DO)-62, RELEASING OF FUEL PRESSURE, PROCEDURE, Fuel.>

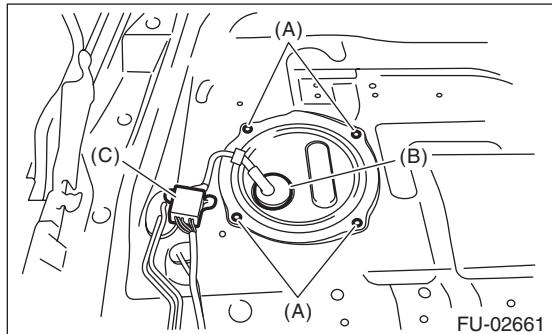
2) Drain fuel. <Ref. to FU(H6DO)-62, DRAINING FUEL (WITH SUBARU SELECT MONITOR), PROCEDURE, Fuel.>

3) Disconnect the ground cable from battery.

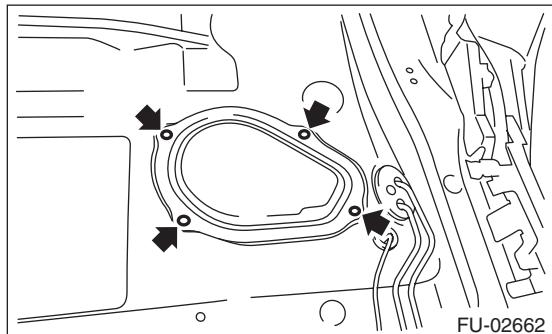
4) Remove the second row seats. <Ref. to SE-15, REMOVAL, Second Seat.>

5) Remove the service hole cover of fuel pump.

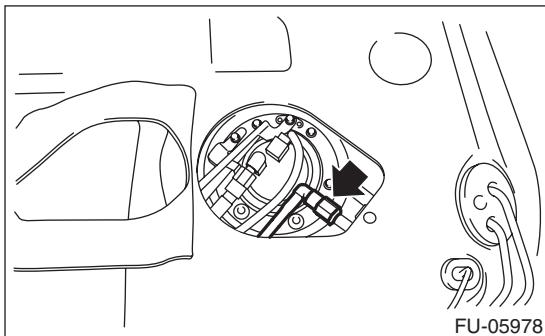
- (1) Disconnect the connector (C).
- (2) Remove the bolt (A).
- (3) Push the grommet (B) down and remove service hole cover.



6) Remove the service hole cover of fuel sub level sensor.



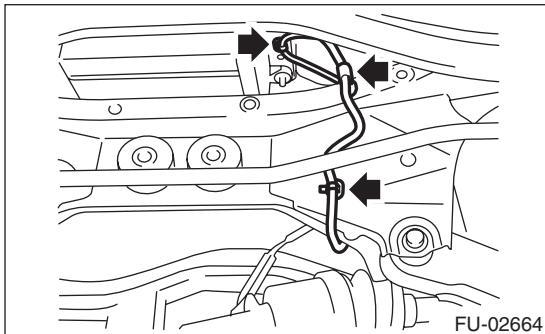
7) Disconnect the quick connector on the fuel delivery tube. <Ref. to FU(H6DO)-78, REMOVAL, Fuel Delivery and Evaporation Lines.>



8) Remove the rear wheels.

9) Lift up the vehicle.

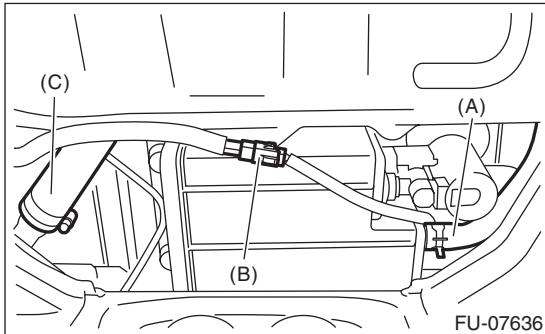
10) Remove the clip holding the harness.



11) Remove the heat shield cover and fuel tank protector.

12) Remove the rear suspension assembly. <Ref. to RS-18, REMOVAL, Rear Sub Frame.>

13) Disconnect purge hose (A), connector (B) and fuel filler hose (C).

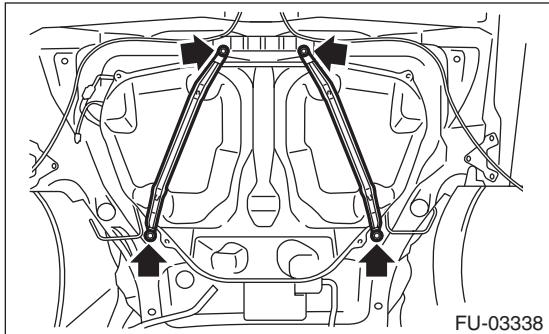


14) Remove the fuel tank from the vehicle.

WARNING:

- A helper is required to perform this work.
- Fuel may remain in the fuel tank. This will cause the left and right sides to be unbalanced. Be careful not to drop the fuel tank when removing.

- (1) Support the fuel tank with the transmission jack.
- (2) Remove the fuel tank band that holds the fuel tank.
- (3) Remove the fuel tank from the vehicle.



B: INSTALLATION

1) Install the fuel tank to the vehicle.

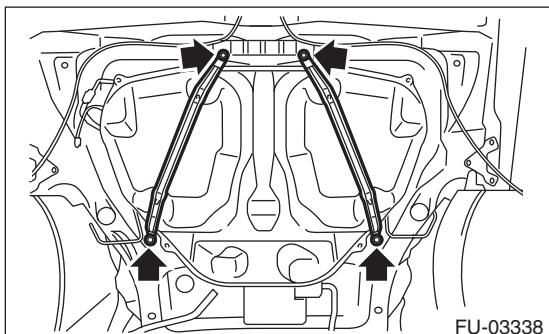
WARNING:

- A helper is required to perform this work.

- (1) Lift the fuel tank with the transmission jack.
- (2) Mount the fuel tank to the vehicle with a jack.
- (3) Install the fuel tank band that holds the fuel tank.

Tightening torque:

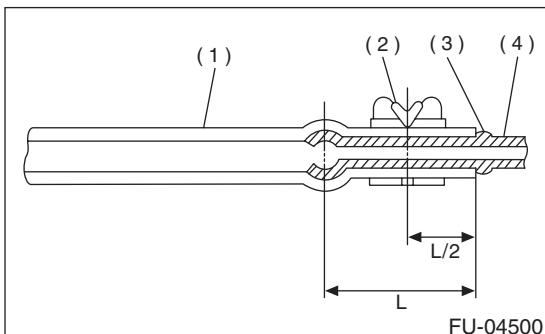
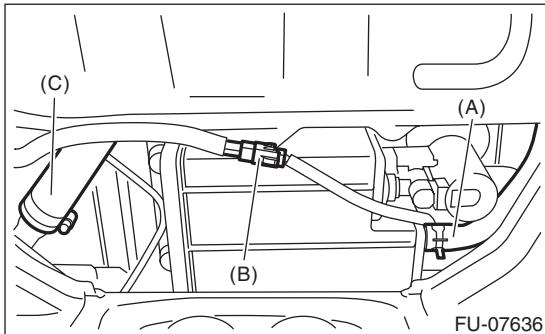
33 N·m (3.4 kgf·m, 24.3 ft-lb)



2) Connect purge hose (A), connector (B) and fuel filler hose (C).

Tightening torque:

2.5 N·m (0.3 kgf·m, 1.8 ft-lb)



(1) Hose

(2) Clamp or clip

(3) Spool

(4) Pipe

3) Install the rear suspension assembly. <Ref. to RS-18, INSTALLATION, Rear Sub Frame.>

4) Install the heat shield cover.

Tightening torque:

18 N·m (1.8 kgf·m, 13.3 ft-lb)

5) Install the fuel tank protector.

NOTE:

Use a new self-locking nut.

Tightening torque:

Nut

9 N·m (0.9 kgf·m, 6.6 ft-lb)

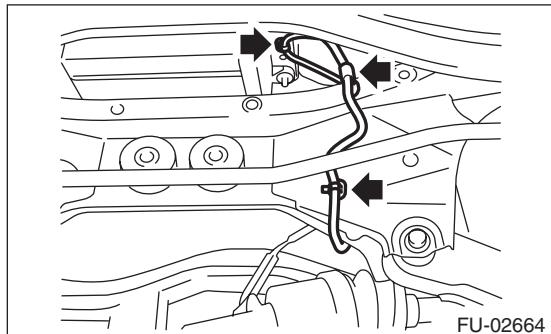
Bolt

18 N·m (1.8 kgf·m, 13.3 ft-lb)

Fuel Tank

FUEL INJECTION (FUEL SYSTEMS)

6) Install the clip that holds the harness.



7) Lower the vehicle.

8) Install the rear wheels.

Tightening torque:

Chromed plated wheel

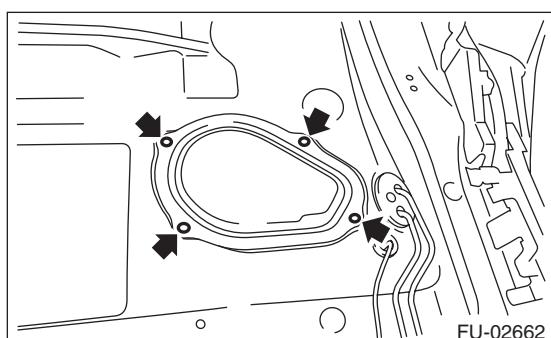
150 N·m (15.3 kgf-m, 110.6 ft-lb)

Other than above

120 N·m (12.2 kgf-m, 88.5 ft-lb)

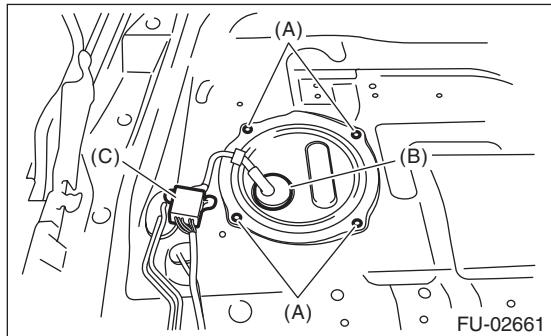
9) Connect the quick connector of the fuel delivery tube. <Ref. to FU(H6DO)-80, INSTALLATION, Fuel Delivery and Evaporation Lines.>

10) Install the service hole cover of fuel sub level sensor.



11) Install the service hole cover of fuel pump.

- (1) Push on the grommet (B) to install it to the service hole cover.
- (2) Tighten the bolt (A).
- (3) Connect the connector (C).



12) Install the second seat. <Ref. to SE-15, INSTALLATION, Second Seat.>

13) Connect the battery ground terminal.

14) Inspect the wheel alignment and adjust if necessary.

C: INSPECTION

- 1) Check that the fuel tank does not have holes, cracks or is damaged in any other way.
- 2) Make sure that the fuel pipe and fuel hose are not cracked and that the connections are tight.