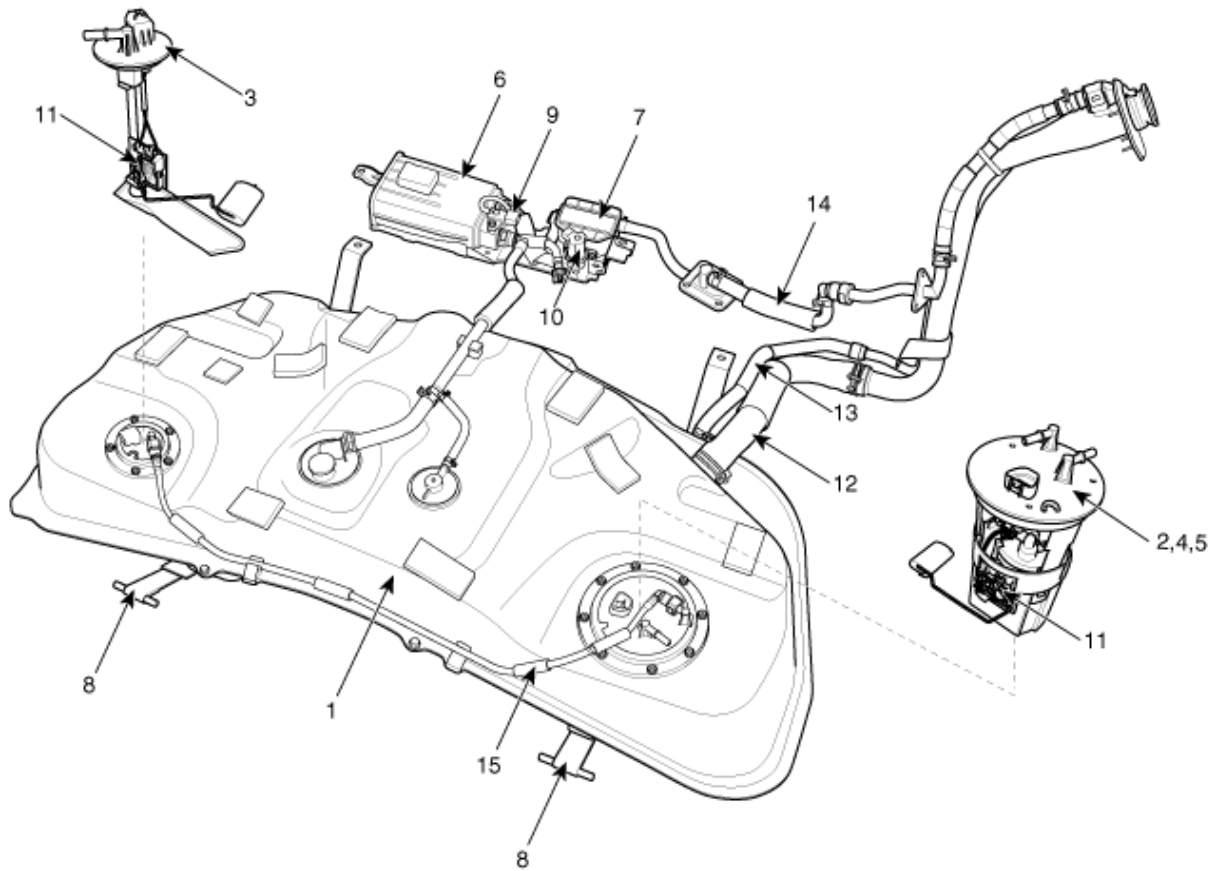


Components Location



1. Fuel Tank
2. Fuel Pump
3. Sub Fuel Sender
4. Fuel Filter
5. Fuel Pressure Regulator
6. Canister
7. Fuel Tank Air Filter
8. Fuel Tank Band

9. Fuel Tank Pressure Sensor (FTPS)
10. Canister Close Valve (CCV)
11. Fuel Level Sensor (FLS)
12. Fuel Filler Hose
13. Leveling Hose
14. Ventilation Hose
15. Suction Hose

Fuel Pressure Test

1. PREPARING

1. Remove the rear seat cushion (Refer to "Seat" in BD group).
2. Remove the service cover of the fuel pump (A)



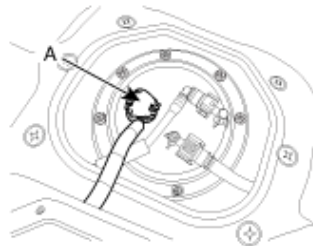
2. RELEASE THE INTERNAL PRESSURE

1. Disconnect the fuel pump connector (A).
2. Start the engine and wait until fuel in fuel line is exhausted.
3. After the engine stalls, turn the ignition switch to OFF position and disconnect the negative (-) terminal from the battery.



NOTE

Be sure to reduce the fuel pressure before disconnecting the fuel feed hose, otherwise fuel will spill out.



3. INSTALL THE SPECIAL SERVICE TOOL (SST) FOR MEASURING THE FUEL PRESSURE

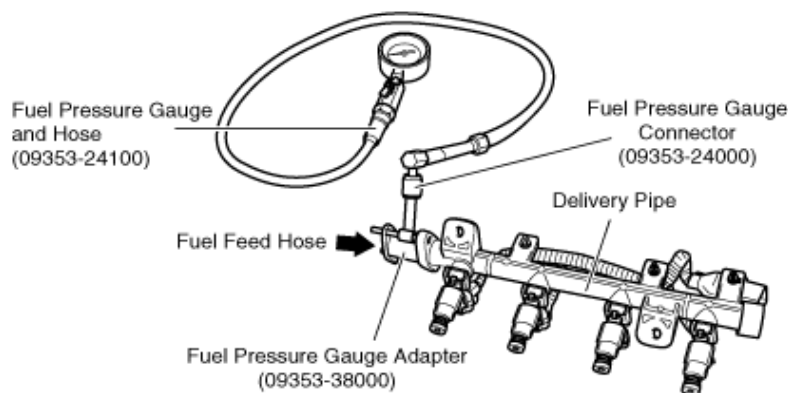
1. Disconnect the fuel feed hose from the delivery pipe.



CAUTION

Cover the hose connection with a shop towel to prevent splashing of fuel caused by residual pressure in the fuel line.

2. Install the Fuel Pressure Gauge Adapter (09353-38000) between the delivery pipe and the fuel feed hose.
3. Connect the Fuel Pressure Gauge Connector (09353-24000) to the Fuel Pressure Gauge Adapter (09353-38000).
4. Connect the Fuel Pressure Gauge and Hose (09353-24100) to Fuel Pressure Gauge Connector (09353-24000).
5. Connect the fuel feed hose to the Fuel Pressure Gauge Adapter (09353-38000).



4. INSPECT FUEL LEAKAGE ON CONNECTION

1. Connect the battery negative (-) terminal.
2. Apply battery voltage to the fuel pump terminal and activate the fuel pump. With fuel pressure applied, check that there is no fuel leakage from the fuel pressure gauge or connection part.

5. FUEL PRESURE TEST

1. Disconnect the negative (-) terminal from the battery.
2. Connect the fuel pump connector.
3. Connect the battery negative (-) terminal.
4. Start the engine and measure the fuel pressure at idle.

Standard Value: 379.5kPa (3.87kgf/cm², 55.0psi)

- If the measured fuel pressure differs from the standard value, perform the necessary repairs using the table below.

Condition	Probable Cause	Suspected Area
Fuel Pressure too low	Clogged fuel filter	Fuel filter
	Fuel leak on the fuel-pressure regulator that is assembled on fuel pump because of poor seating of the fuel-pressure regulator.	Fuel Pressure Regulator
Fuel Pressure too High	Sticking fuel pressure regulator	Fuel Pressure Regulator

5. Stop the engine and check for a change in the fuel pressure gauge reading.

After engine stops, the gage reading should hold for about 5 minutes

- Observing the declination of the fuel pressure when the gage reading drops and perform the necessary repairs using the table below.

Condition	Probable Cause	Supected Area
Fuel pressure drops slowly after engine is stopped	Injector leak	Injector
Fuel pressure drops immediately after engine is stopped	The check valve within the fuel pump is open	Fuel Pump

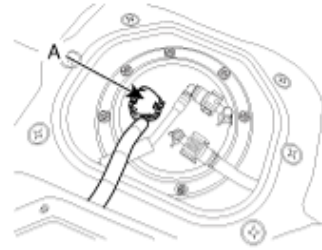
6. RELEASE THE INTERNAL PRESSURE

1. Disconnect the fuel pump connector (A).
2. Start the engine and wait until fuel in fuel line is exhausted.
3. After the engine stalls, turn the ignition switch to OFF position and disconnect the negative (-) terminal from the battery.



NOTE

Be sure to reduce the fuel pressure before disconnecting the fuel feed hose, otherwise fuel will spill out.



7. REMOVE THE SPECIAL SERVICE TOOL (SST) AND CONNECT THE FUEL LINE

1. Disconnect the Fuel Pressure Gage and Hose (09353-24100) from the Fuel Pressure Gage Connector (09353-24000).
2. Disconnect the Fuel Pressure Gage Connector (09353-24000) from the Fuel Pressure Gage Adapter (09353-38000).
3. Disconnect the fuel feed hose from the Fuel Pressure Gage Adapter (09353-38000).
4. Disconnect the Fuel Pressure Gage Adapter (09353-38000) from the delivery pipe.



CAUTION

Cover the hose connection with a shop towel to prevent splashing of fuel caused by residual pressure in the fuel line.

5. Connect the fuel feed hose to the delivery pipe.

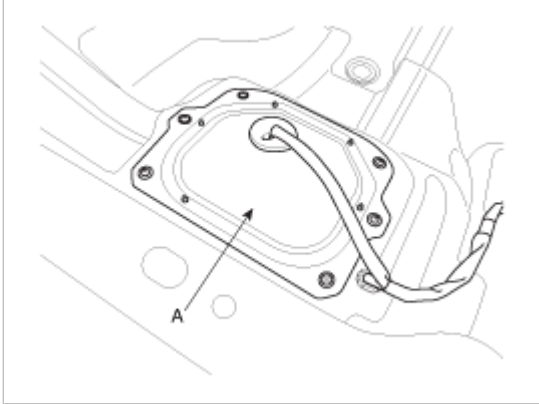
8. INSPECT FUEL LEAKAGE ON CONNECTION

1. Connect the battery negative (-) terminal.
2. Apply battery voltage to the fuel pump terminal and activate the fuel pump. With fuel pressure applied, check that there is no fuel leakage from the fuel pressure gauge or connection part.
3. If the vehicle is normal, connect the fuel pump connector.

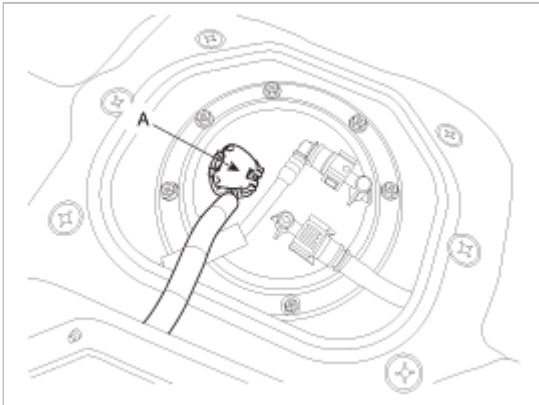
Removal

1. Preparation

- (1) Remove the rear seat cushion (Refer to "Seat" in BD group).
- (2) Remove the service cover of the fuel pump (A).

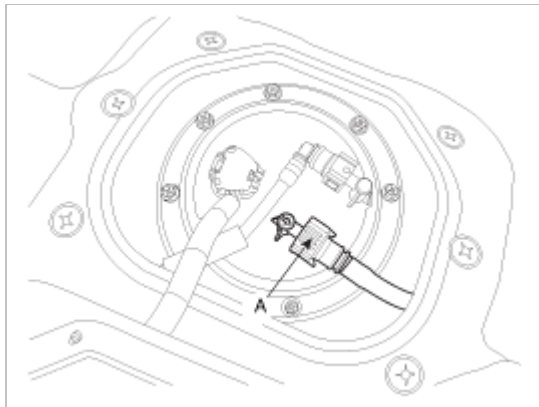


- (3) Disconnect the fuel pump connector (A).

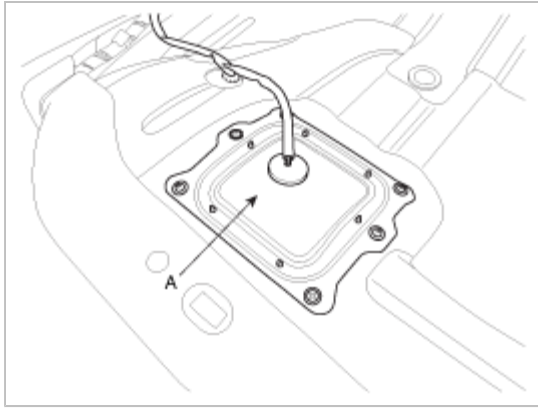


- (4) Idle the engine and wait until fuel in feed line is exhausted.
- (5) After engine stops, turn the ignition switch OFF.

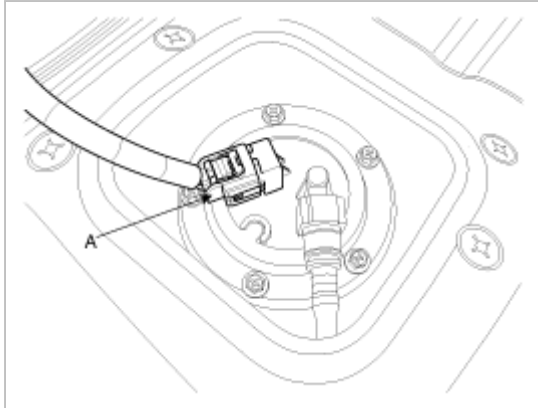
2. Disconnect the fuel feed tube quick-connector (A).



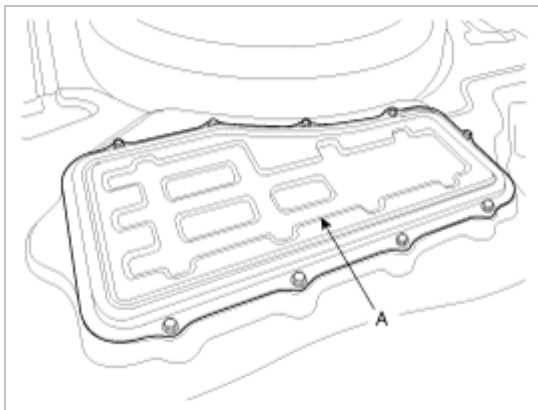
3. Remove the service cover of the sub fuel sender (A).



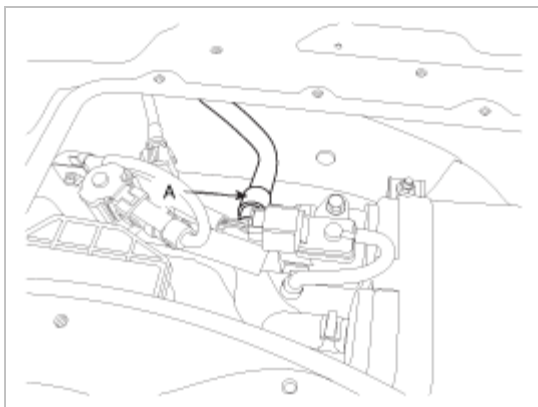
4. Disconnect the sub fuel sender connector (A).



5. Remove the service cover of the canister (A) in trunk room.



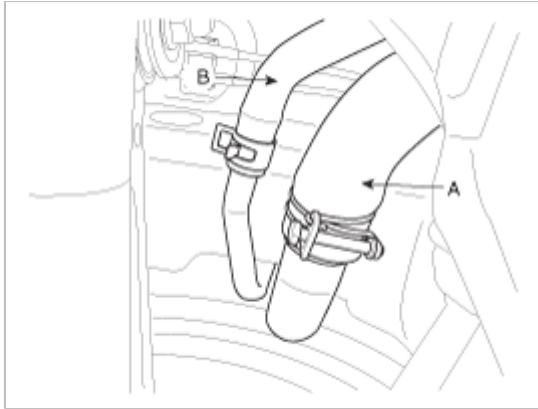
6. Disconnect the vapor tube quick-connector (A).



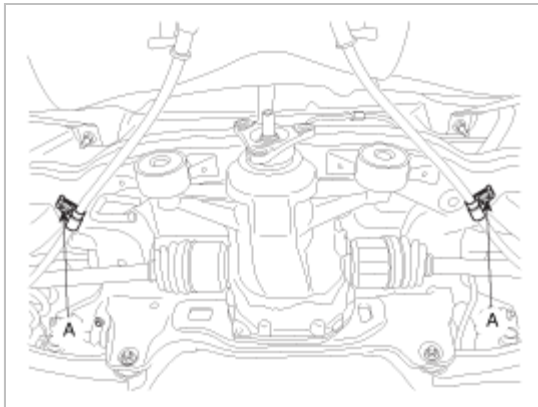
7. Lift the vehicle.

8. Remove the center muffler assembly (Refer to "Intake And Exhaust System" in EM group).

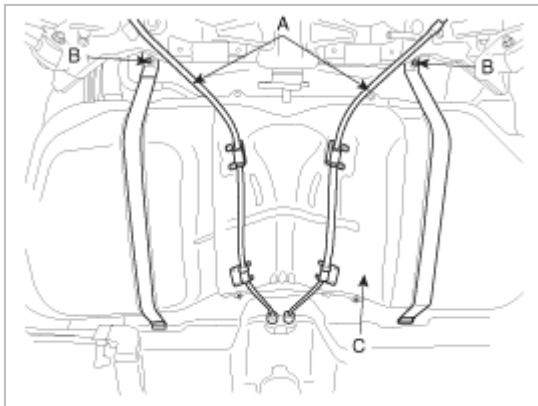
9. Remove the propeller shaft (Refer to “Propeller Shaft Assembly” in DS group).
10. Disconnect the fuel filler hose (A) and the leveling hose (B).



11. Remove the brake line bracket installation bolt (A).



12. Detach the parking brake cable (A) from the fuel tank.



13. Remove the fuel tank (C) from the vehicle after removing the mounting nuts (B).

Installation

1. Installation is reverse of removal.

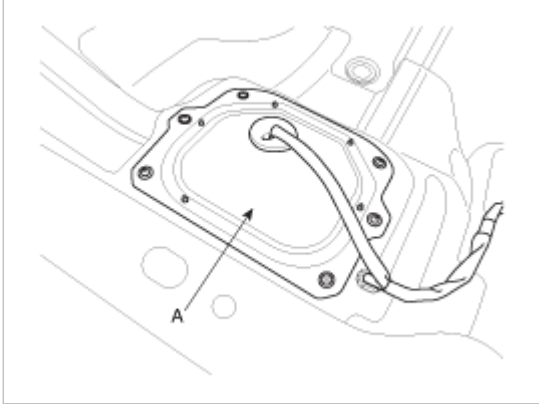
Fuel tank band installation nut:

39.2 ~ 54.0 N.m (4.0 ~ 5.5 kgf.m, 28.9 ~ 39.8 lb-ft)

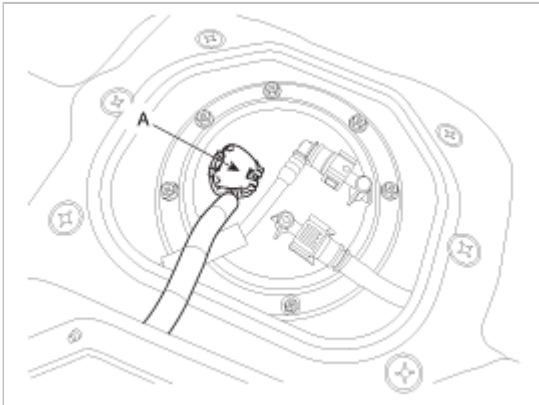
Removal

1. Preparation

- (1) Remove the rear seat cushion (Refer to "Seat" in BD group).
- (2) Remove the service cover of the fuel pump (A).

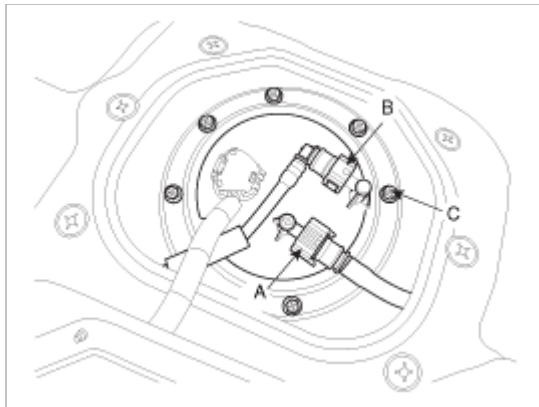


- (3) Disconnect the fuel pump connector (A).

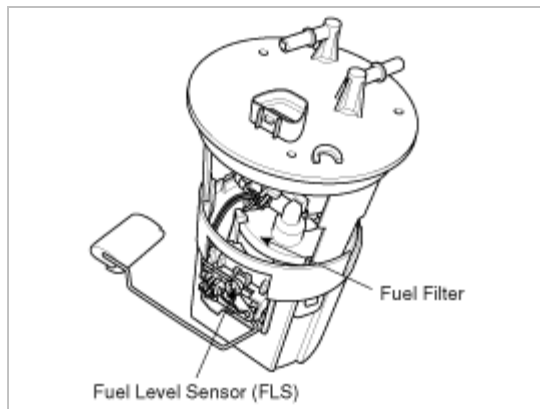


- (4) Idle the engine and wait until fuel in feed line is exhausted.
- (5) After engine stops, turn the ignition switch OFF.

2. Disconnect the fuel feed tube quick-connector (A) and the suction tube quick-connector (B).



3. Remove the fuel pump from the fuel tank after removing the installation bolts (C).



Installation

1. Installation is reverse of removal.

Fuel pump installation bolt :

2.0 ~ 2.9 N.m (0.2 ~ 0.3 kgf.m, 1.4 ~ 2.2 lb-ft)

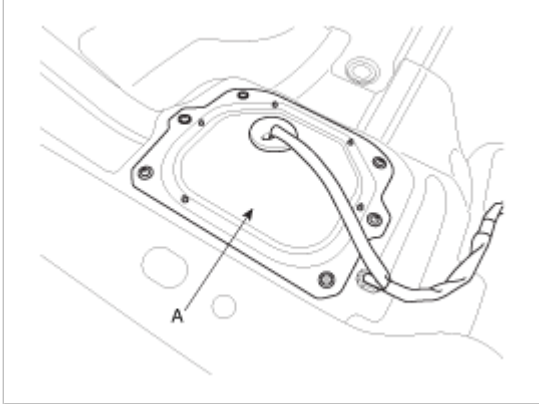
CAUTION

When installing the fuel pump module, be careful not to get the seal-ring entangled.

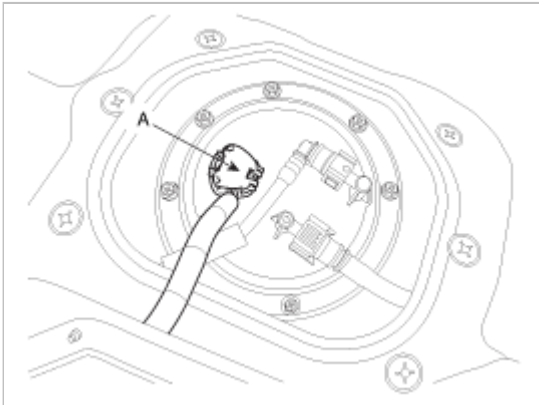
Removal

1. Preparation

- (1) Remove the rear seat cushion (Refer to "Seat" in BD group).
- (2) Remove the service cover of the fuel pump (A).

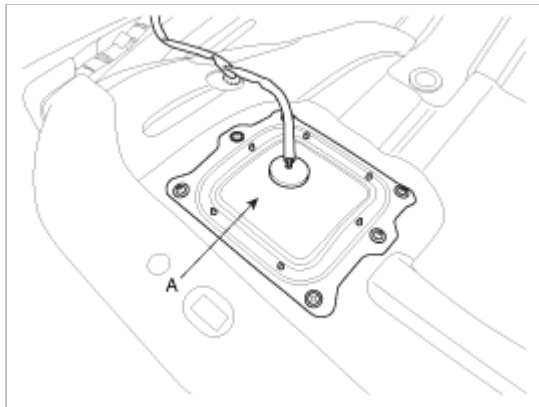


- (3) Disconnect the fuel pump connector (A).

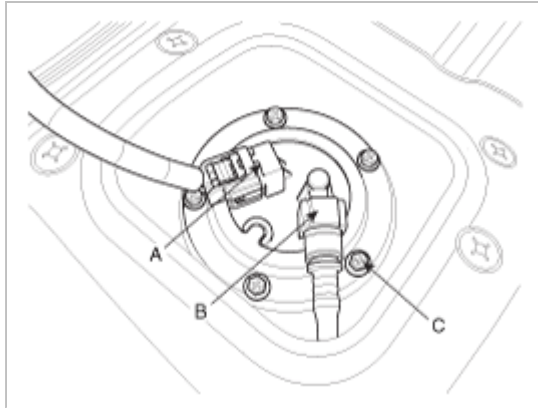


- (4) Idle the engine and wait until fuel in feed line is exhausted.
- (5) After engine stops, turn the ignition switch OFF.

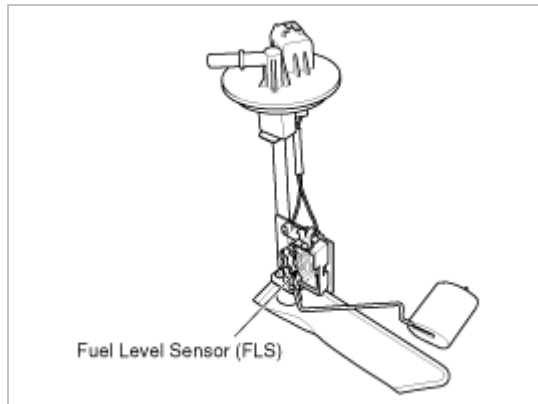
2. Remove the service cover of the sub fuel sender (A).



3. Disconnect the sub fuel sender connector (A).



4. Disconnect the suction tube quick-connector (B).
5. Remove the sub fuel sender from the fuel tank after removing the installation bolts (C).



Installation

1. Installation is reverse of removal.

Sub fuel sender installation bolt :

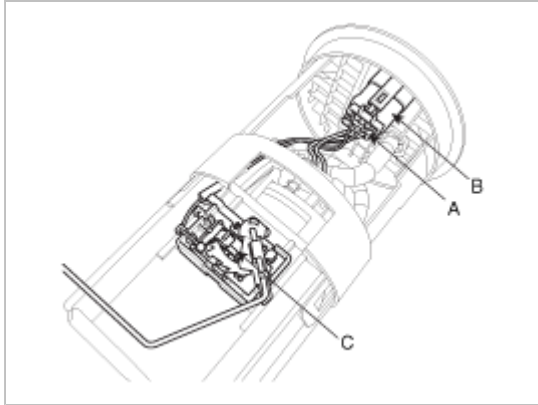
2.0 ~ 2.9 N.m (0.2 ~ 0.3 kgf.m, 1.4 ~ 2.2 lb-ft)

CAUTION

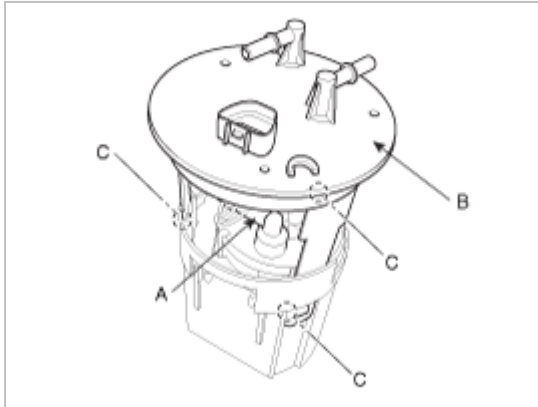
When installing the sub fuel sender, be careful not to get the seal-ring entangled.

Replacement

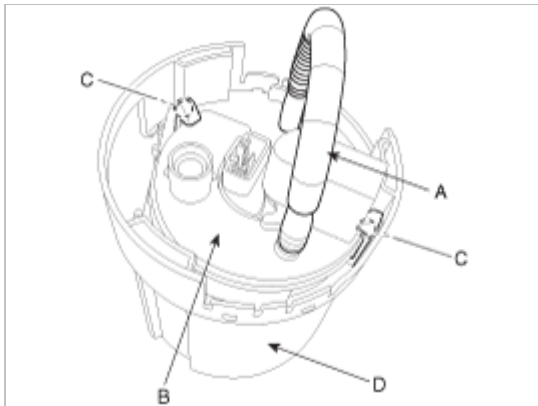
1. Remove the fuel pump (Refer to "Fuel Pump" in this group).
2. Disconnect the electric pump wiring connector (A) and the fuel sender connector (B).



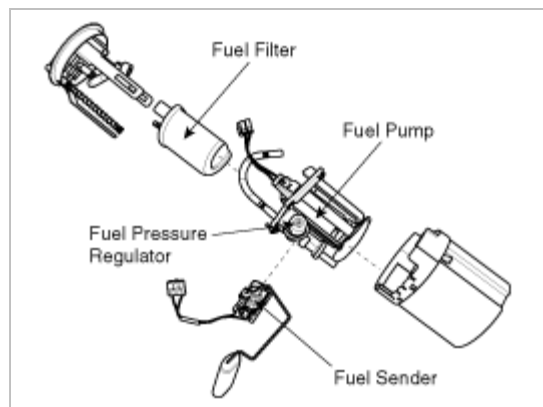
3. Remove the fuel sender (C).
4. Disconnect the fuel feed line (A) from the fuel filter.



5. Separate the head assembly (B) with the hooks (C) released.
6. Disconnect the regulator hose (A) from the fuel filter (B).

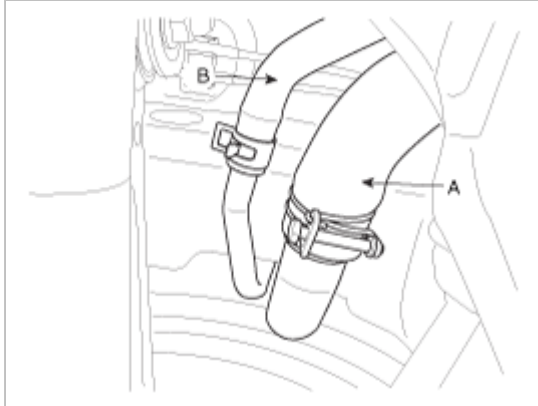


7. Separatate the fuel filter (B) from the reservior (D) with the hooks (C) released.

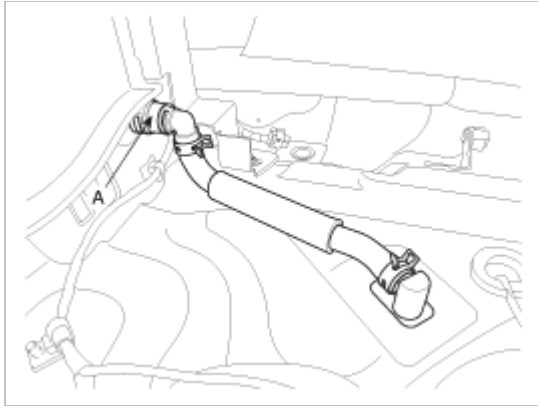


Removal

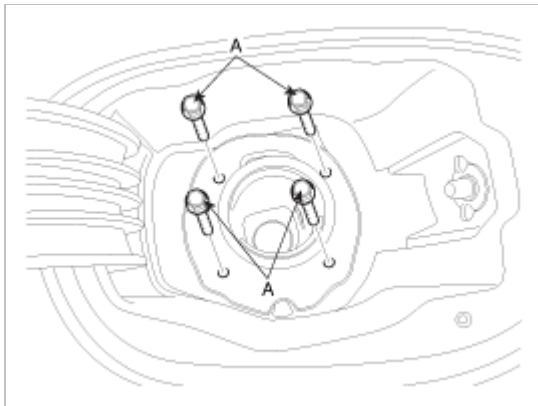
1. Disconnect the fuel filler hose (A) and the leveling hose (B).



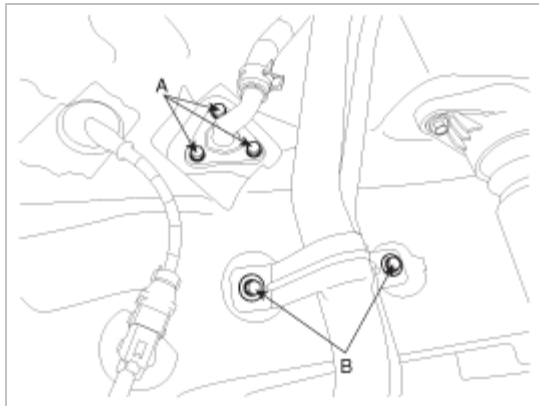
2. Disconnect the vapor hose quick-connector (A) after removing the trunk luggage trim.



3. Remove the rear-LH wheel, tire, and the inner wheel house.
4. Remove the filler-neck installation bolts (A).



5. Remove the filler-neck assembly from the vehicle after removing the vapor hose mounting bolts (A) and the bracket mounting bolts (B).



Installation

1. Installation is reverse of removal.

Fillerneck assembly installation bolt :

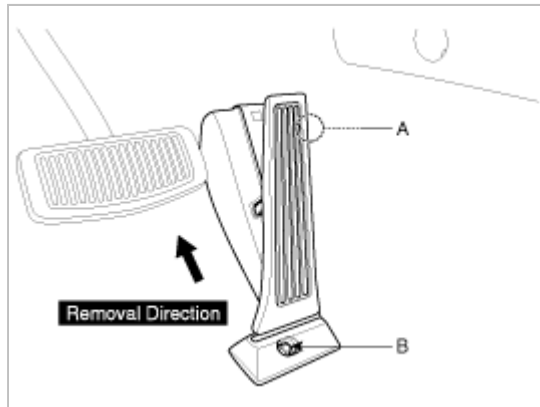
7.8 ~ 11.8 N.m (0.8 ~ 1.2 kgf.m, 5.8 ~ 8.7 lb-ft)

Fillerneck assembly installation nut :

3.9 ~ 5.9 N.m (0.4 ~ 0.6 kgf.m, 2.9 ~ 4.3 lb-ft)

Removal

1. Turn the ignition switch OFF and disconnect the negative (-) battery cable.
2. Disconnect the accelerator position sensor connector (A).



3. Remove the accelerator pedal in the direction of "Remove Direction" in the figure after removing the mounting bolt (B).

Installation

1. Installation is reverse of removal.

Accelerator pedal module installation bolt :

3.9 ~ 5.9 N.m (0.4 ~ 0.6 kgf.m, 2.9 ~ 4.3 lb-ft)
