

2012 - Mazda6 - Engine

FUEL TANK REMOVAL/ INSTALLATION [MZR 2.5]

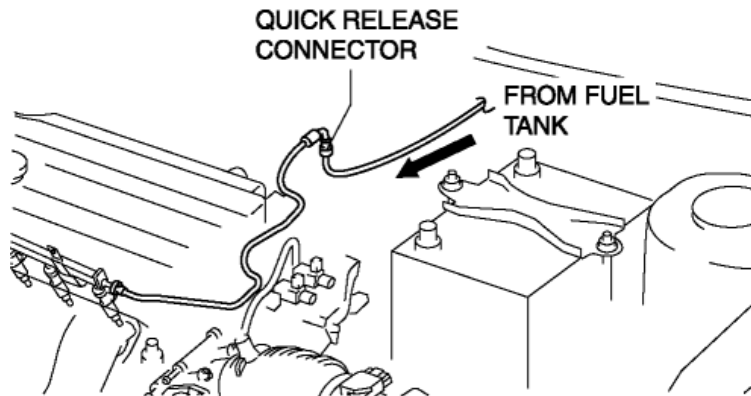
WARNING:

- Fuel line spills and leakage are dangerous. Fuel can ignite and cause serious injuries or death and damage. Fuel can also irritate skin and eyes. To prevent this, do not damage the sealing surface of the fuel pump unit when removing or installing.
- A person charged with static electricity could cause a fire or explosion, resulting in death or serious injury. Before draining fuel, make sure to discharge static electricity by touching the vehicle body.

CAUTION:

- Disconnecting/connecting the quick release connector without cleaning it may cause damage to the fuel pipe and quick release connector. Always clean the quick release connector joint area before disconnecting/connecting using a cloth or soft brush, and make sure that it is free of foreign material.

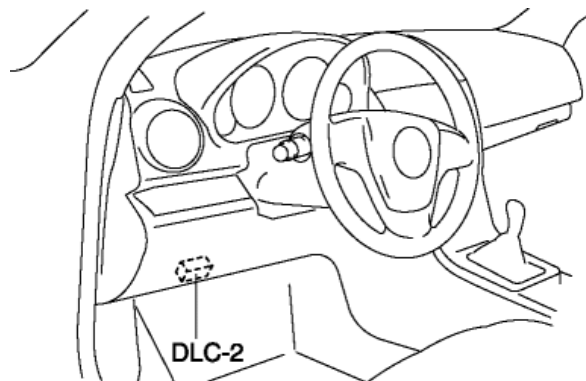
1. Level the vehicle.
2. Complete the "BEFORE SERVICE PRECAUTION". (See [BEFORE SERVICE PRECAUTION \[MZR 2.5\]](#).)
3. Disconnect the quick release connector. (See [QUICK RELEASE CONNECTOR REMOVAL/ INSTALLATION \[MZR 2.5\]](#).)



4. Connect a long hose to the disconnected quick release connector and drain the fuel into a container used for collecting gasoline.
5. Drain the fuel from the fuel tank using the following procedure:

Using M-MDS

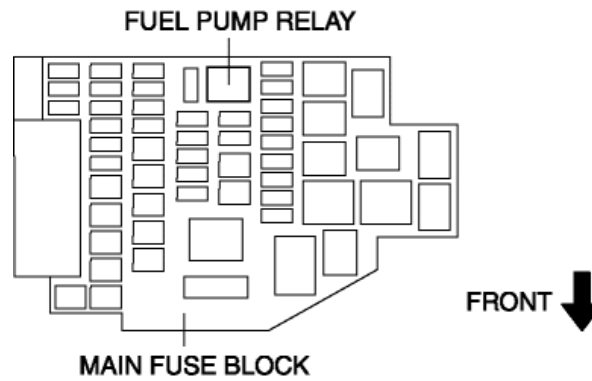
- Connect the M-MDS to the DLC-2.



- Using the simulation function "FP", start the fuel pump. (See [ON-BOARD DIAGNOSTIC TEST \[MZR 2.5\]](#).)

Without using M-MDS

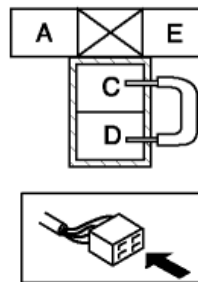
- Disconnect the negative battery cable. (See [BATTERY REMOVAL/ INSTALLATION \[MZR 2.5\]](#).)
- Remove the fuel pump relay.



CAUTION:

- Short the specified terminals because shorting the wrong terminal of the main fuse block may cause malfunctions.
- Using a jumper wire, short fuel pump relay terminals C and D in the main fuse block.

**MAIN FUSE BLOCK
(FUEL PUMP RELAY)**



- Connect the negative battery cable and operate the fuel pump. (See [BATTERY REMOVAL/ INSTALLATION \[MZR 2.5\]](#).)

CAUTION:

- The fuel pump could be damaged if it is operated (fuel pump idling) while there is no fuel in the fuel tank. Verify the amount of fuel being discharged from the hose and stop operation of the fuel pump when essentially no fuel is being discharged.

6. Stop the fuel pump using the following procedure.

Using M-MDS

- Using the simulation function "FP", stop the fuel pump. (See [ON-BOARD DIAGNOSTIC TEST \[MZR 2.5\]](#).)
- Disconnect the negative battery cable. (See [BATTERY REMOVAL/ INSTALLATION \[MZR 2.5\]](#).)

Without using M-MDS

- Disconnect the negative battery cable to stop the fuel pump. (See [BATTERY REMOVAL/ INSTALLATION \[MZR 2.5\]](#).)

7. To remove the fuel pump unit, remove the following parts:

- Rear seat cushion (See [REAR SEAT CUSHION REMOVAL/ INSTALLATION](#).)
- Service hole cover
- fuel pump unit (See [FUEL PUMP UNIT REMOVAL/ INSTALLATION \[MZR 2.5\]](#).)

8. Remove the middle pipe. (See [EXHAUST SYSTEM REMOVAL/ INSTALLATION \[MZR 2.5\]](#).)

9. Remove the floor under cover. (See [FLOOR UNDER COVER REMOVAL/ INSTALLATION](#).)

10. Remove the insulator (middle). (See [EXHAUST SYSTEM REMOVAL/ INSTALLATION \[MZR 2.5\]](#).)

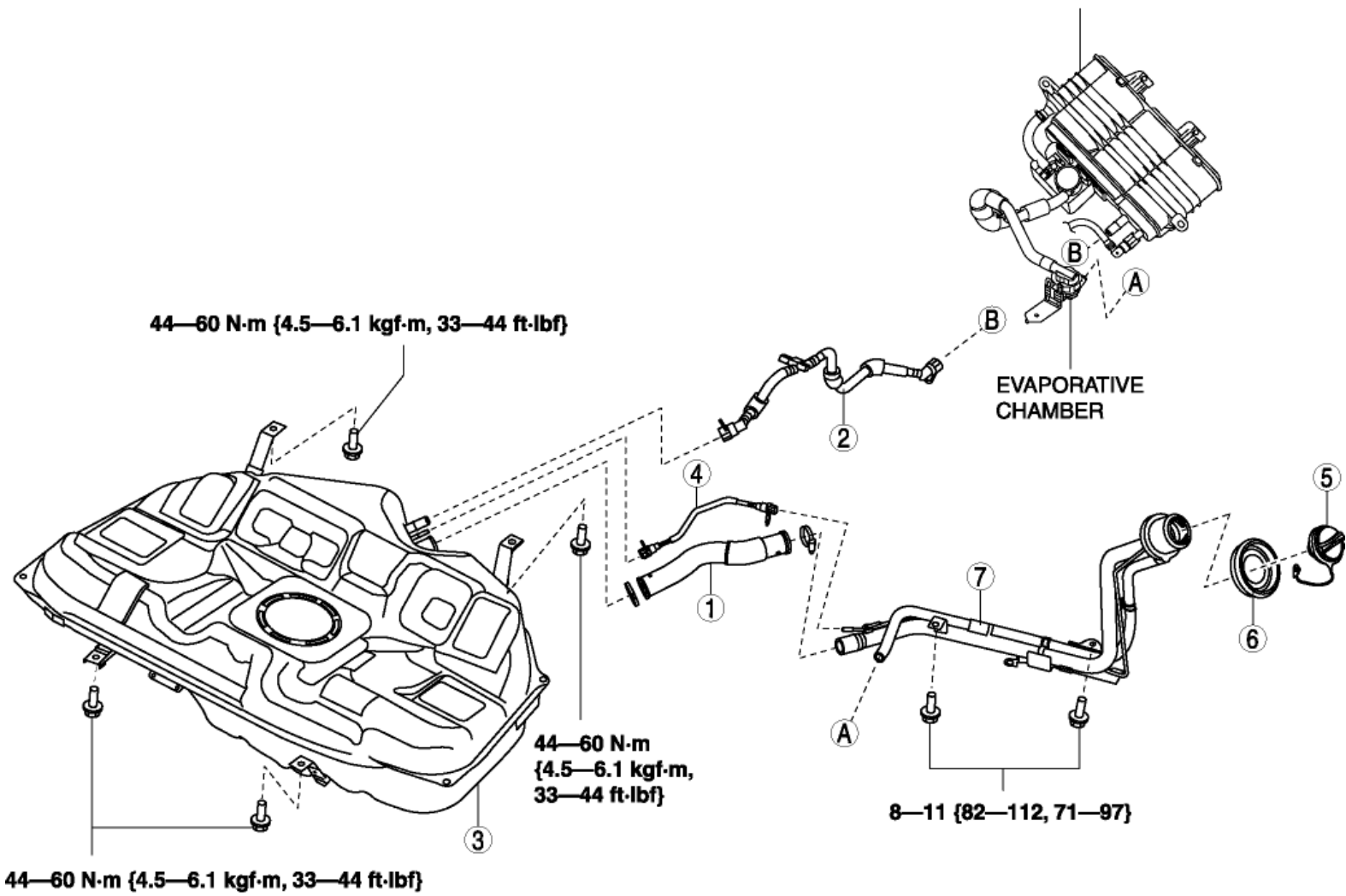
11. Remove the rear trailing link under cover. (See [REAR TRAILING LINK REMOVAL/ INSTALLATION](#).)

12. Remove in the order indicated in the table.

13. Install in the reverse order of removal.

14. Complete the "AFTER SERVICE PRECAUTION". (See [AFTER SERVICE PRECAUTION \[MZR 2.5\]](#).)

CHARCOAL CANISTER CV SOLENOID
VALVE AIR FILTER COMPONENT



N·m {kgf·cm, in·lbf}

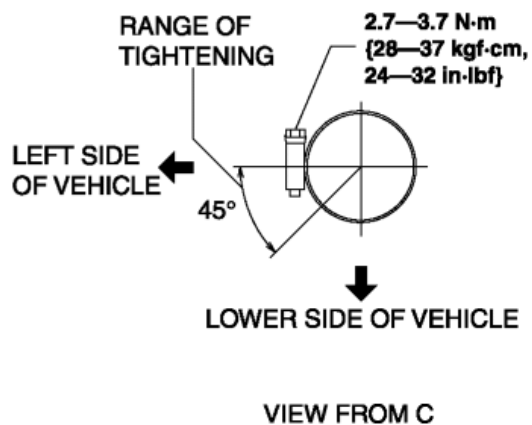
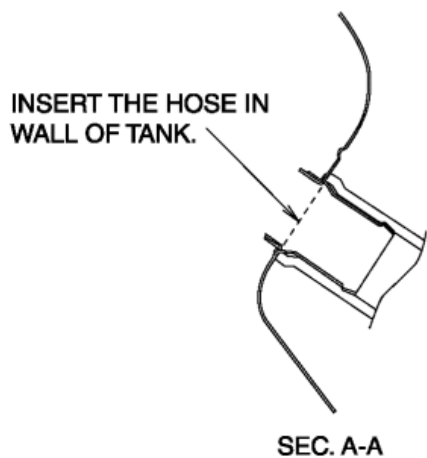
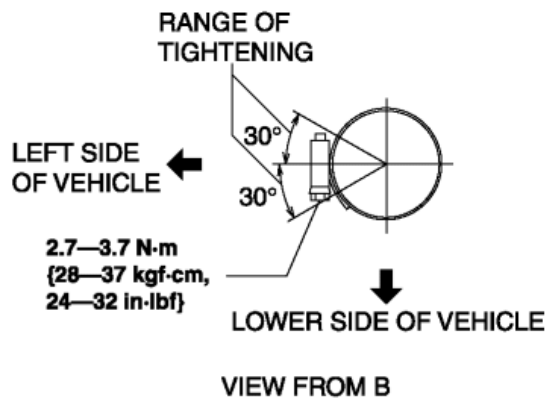
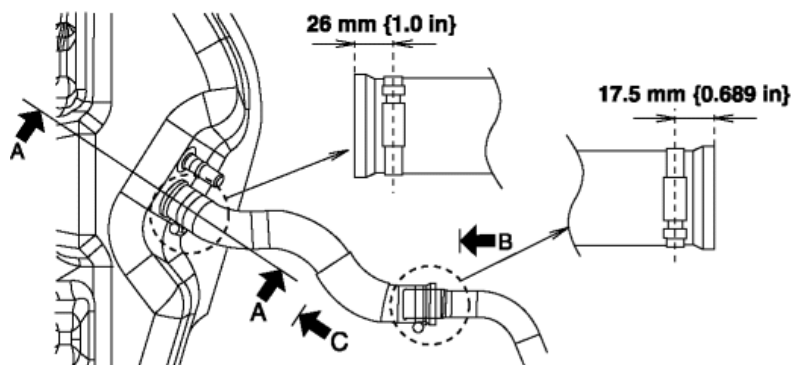
1	Joint hose (See Joint Hose Installation Note.)
2	Evaporative hose
3	Fuel tank
4	Breather hose
5	Fuel-filler cap
6	Dust cover
7	Fuel-filler pipe (See Fuel-Filler Pipe Removal Note.)

Fuel-Filler Pipe Removal Note

1. Remove the rear tire (LH). (See [GENERAL PROCEDURES \(SUSPENSION\)](#).)
2. Remove the splash shield. (See [SPLASH SHIELD REMOVAL/ INSTALLATION](#).)
3. Remove the fuel-filler pipe.

Joint Hose Installation Note

1. Install the joint hose and clamp as shown in the figure.



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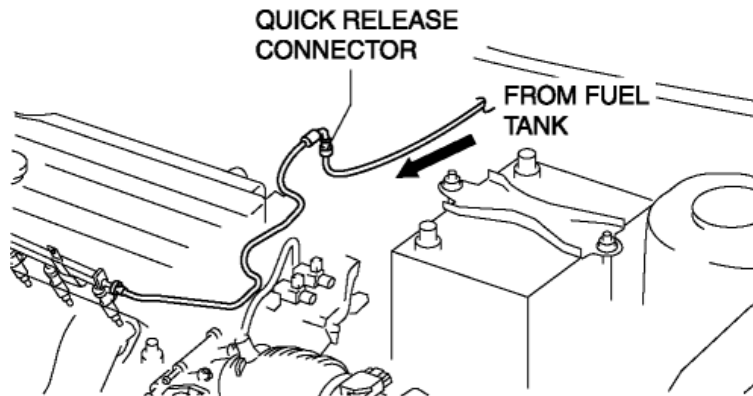
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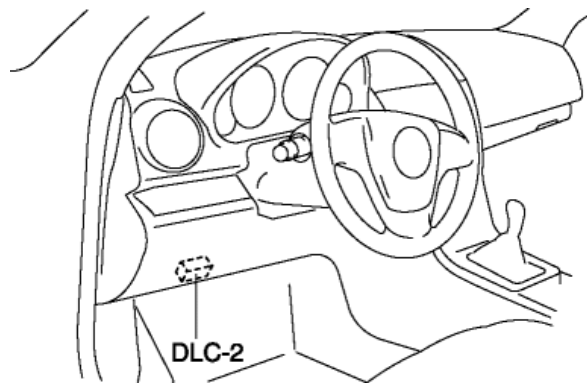
1. Level the vehicle.
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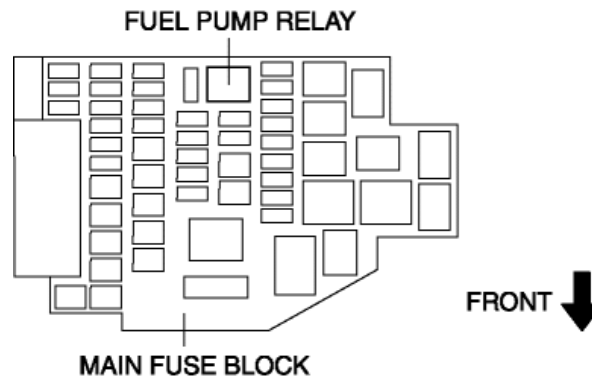
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- Using the simulation function "FP", start the fuel pump. (See [ON-BOARD DIAGNOSTIC TEST \[MZR 2.5\]](#).)

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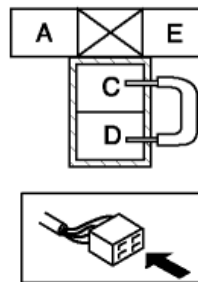
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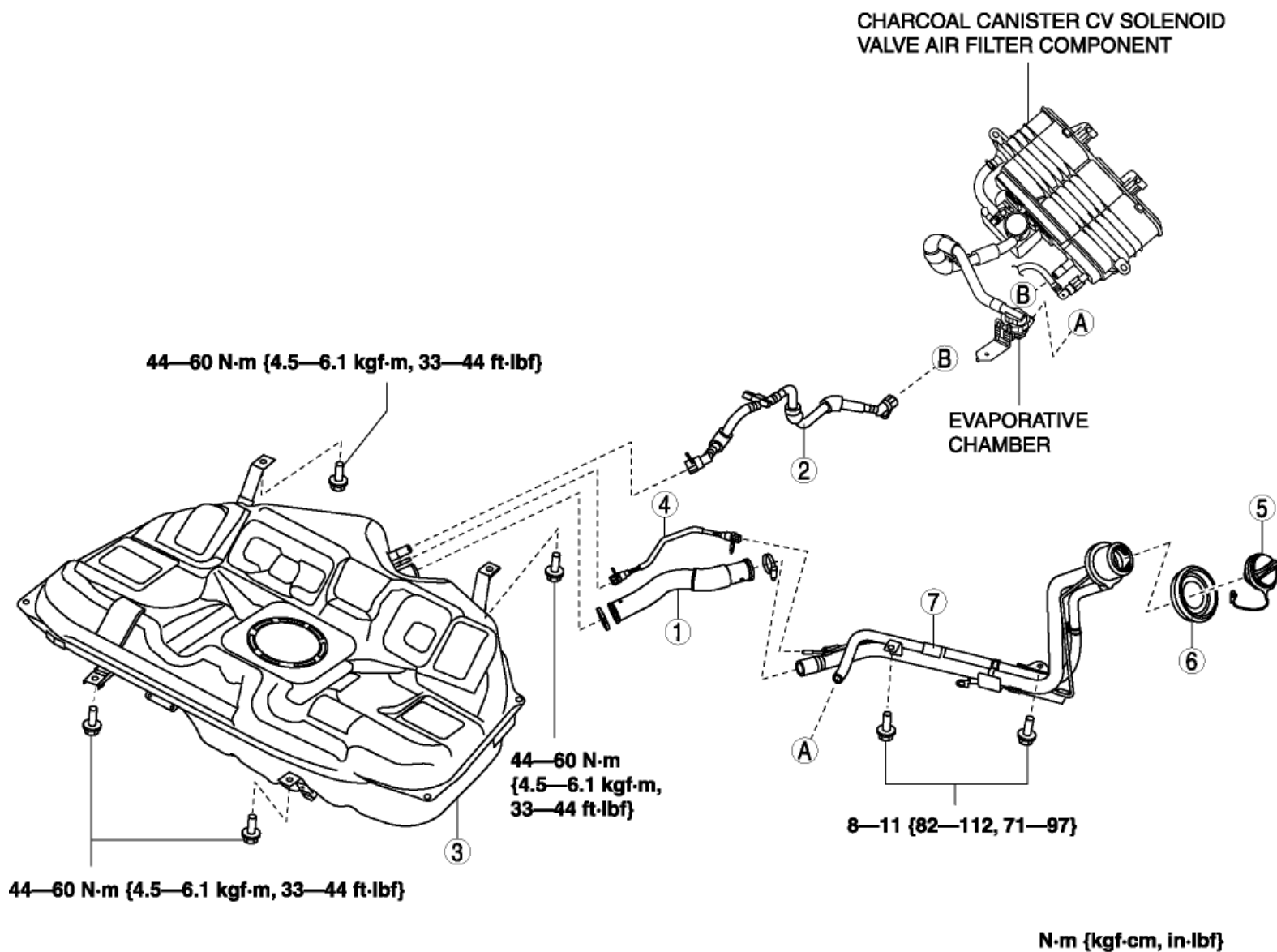
10. Remove the insulator (middle). (See [EXHAUST SYSTEM REMOVAL/ INSTALLATION \[MZR 2.5\]](#).)

11. Remove the rear trailing link under cover. (See [REAR TRAILING LINK REMOVAL/ INSTALLATION](#).)

12. Remove in the order indicated in the table.

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14. Complete the "AFTER SERVICE PRECAUTION". (See [AFTER SERVICE PRECAUTION \[MZR 2.5\]](#).)



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Joint Hose Installation Note

1. Install the joint hose and clamp as shown in the figure.

