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2008 MAZDA 3 / Axela Sedan OEM Service and Repair Workshop Manual

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Tightening torque for injection pipe (fuel injector side)

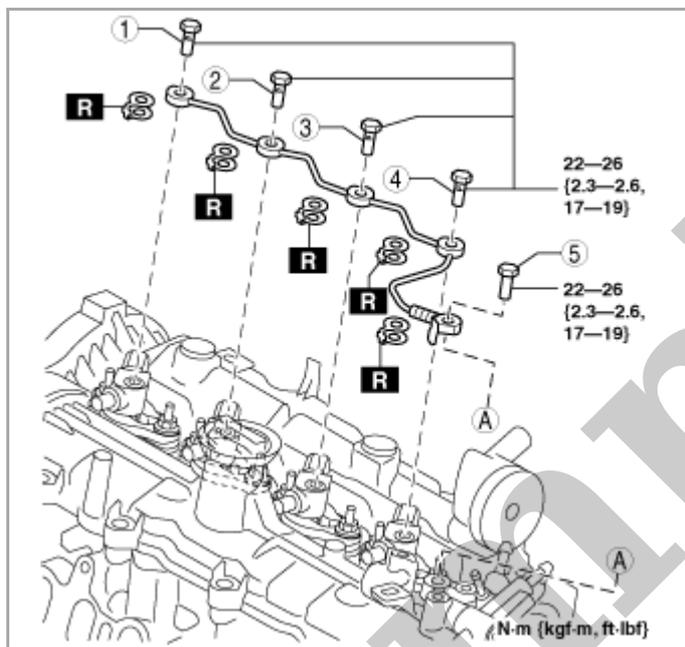
32–42 N·m {3.3–4.2 kgf·m, 24–30 ft·lbf}

17. Tighten the common rail.

Common rail tightening torque

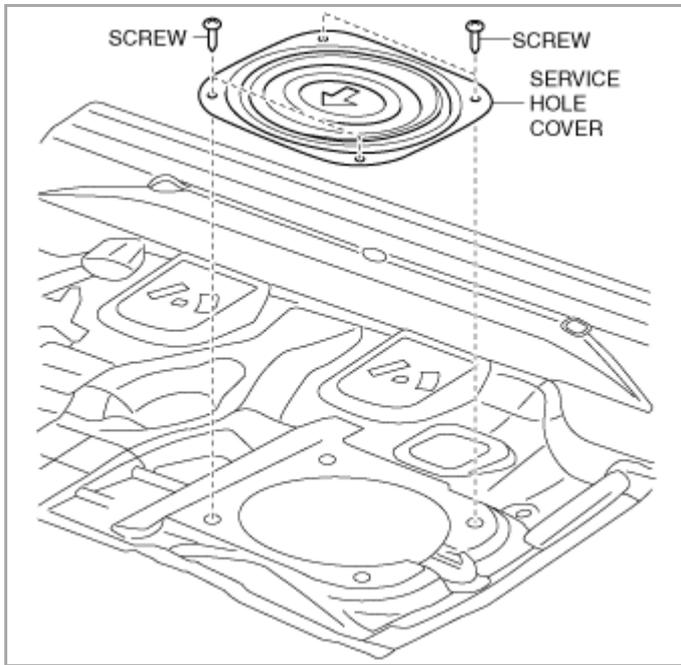
20–26 N·m {2.1–2.6 kgf·m, 15–19 ft·lbf}

18. Tighten the fuel return pipe (fuel injector side) in the order shown in the figure.



Fuel return pipe (fuel injector side) tightening torque

22–26 N·m {2.3–2.6 kgf·m, 17–19 ft·lbf}



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6. Disconnect the following parts:

- Fuel gauge sender unit (main) connector
- Fuel hose (main side)
- Fuel hose (return side)

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

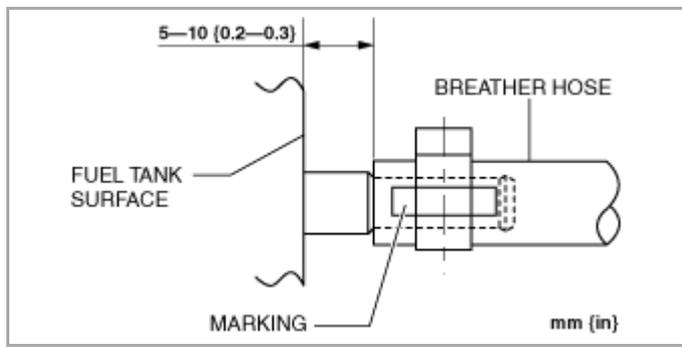
8. Remove the SCR converter. (See [EXHAUST SYSTEM REMOVAL/INSTALLATION \[SKYACTIV-D 2.2.\]](#).)

9. Remove in the order shown in the figure.

10. Install in the reverse order of removal.

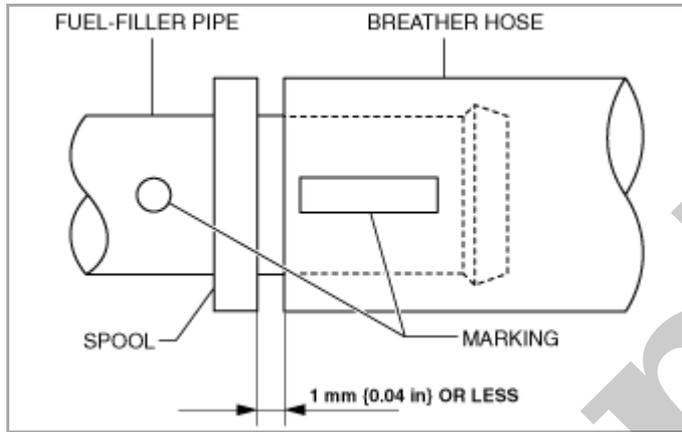
11. Perform the fuel leakage inspection referring to "AFTER SERVICE PRECAUTION". (See [AFTER SERVICE PRECAUTION \[SKYACTIV-D 2.2.\]](#).)

Fuel tank side



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Fuel-filler pipe side

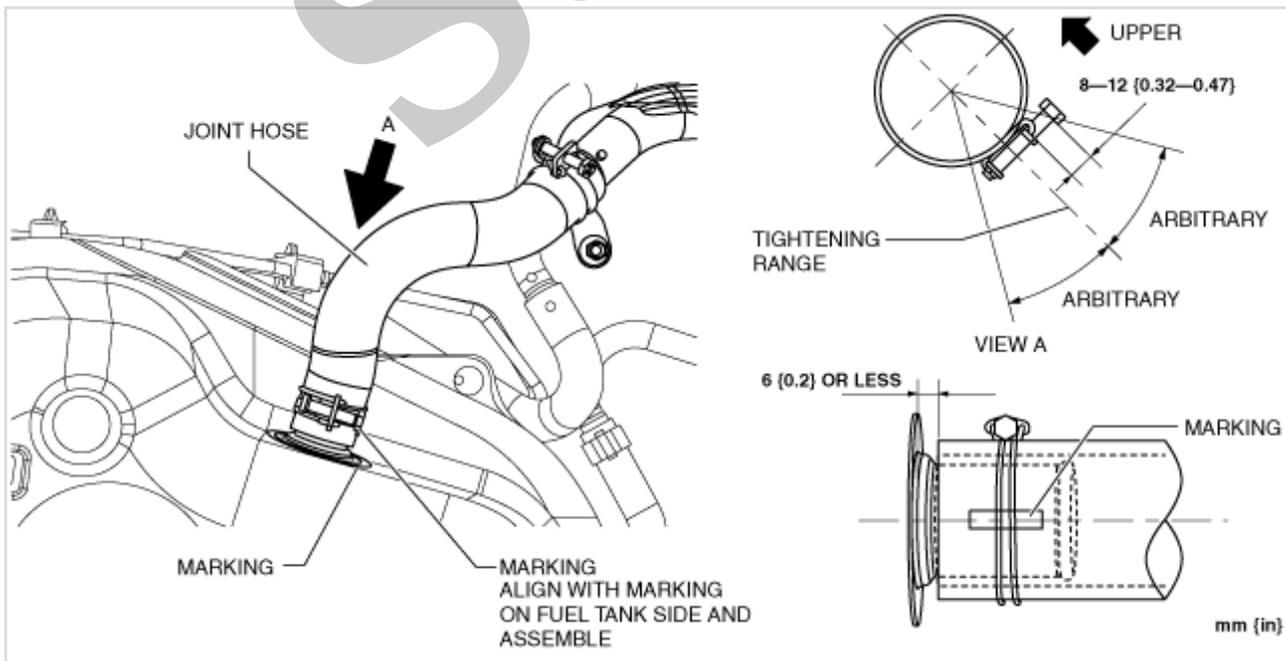


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Joint hose installation note

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

Fuel tank side



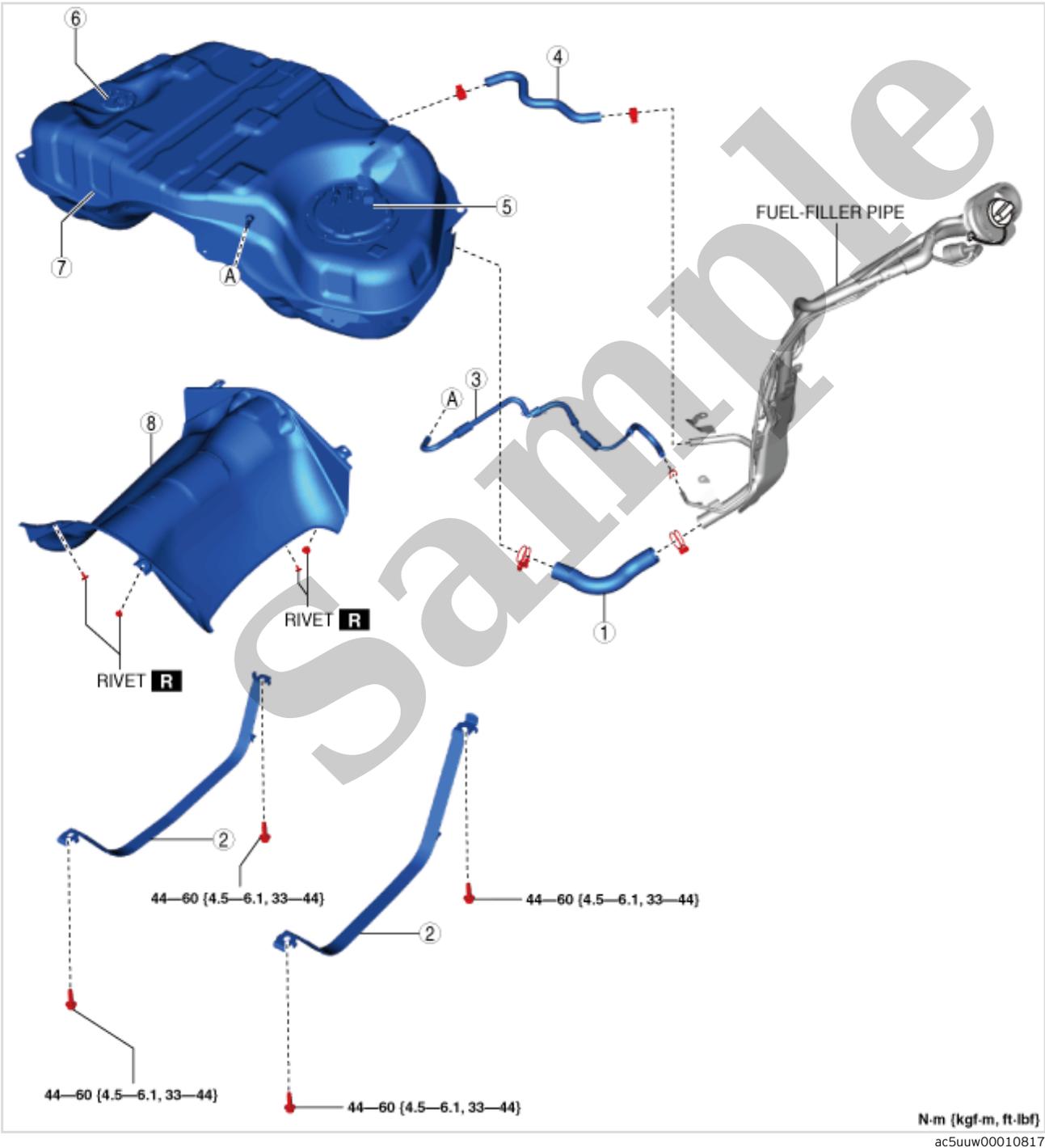
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9.Remove the propeller shaft. (See [PROPELLER SHAFT REMOVAL/INSTALLATION.](#))

10.Remove in the order shown in the figure.

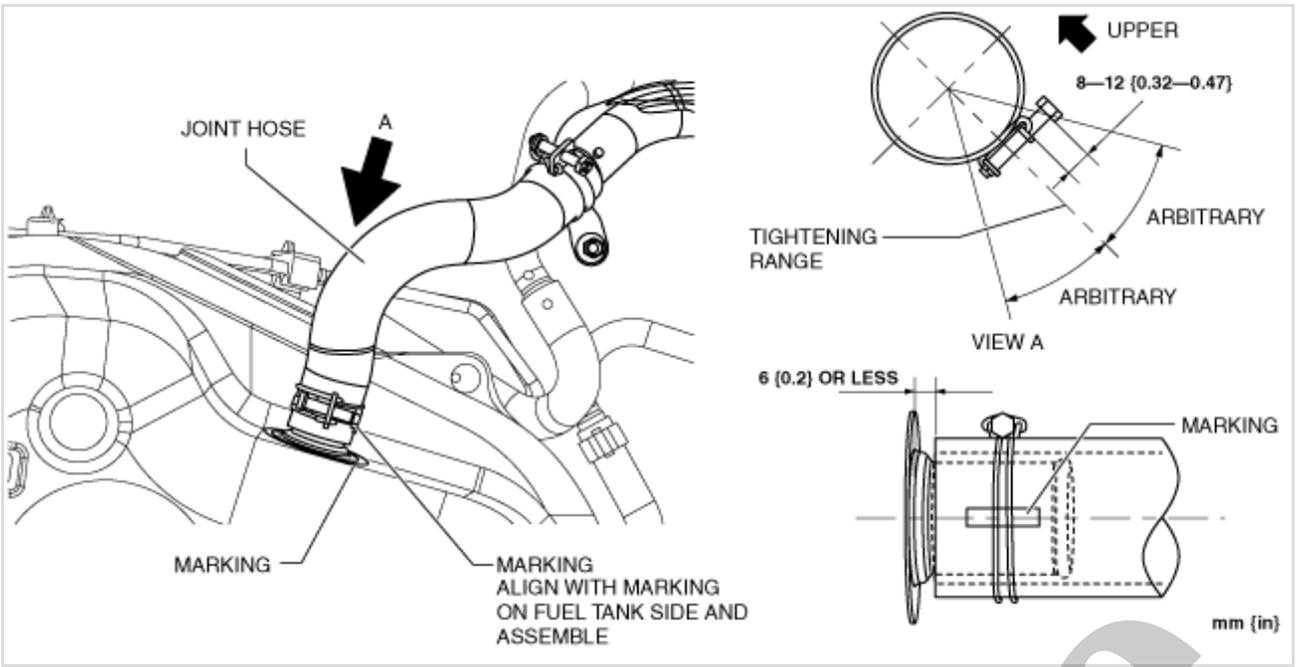
11.Install in the reverse order of removal.

12.Perform the fuel leakage inspection referring to "AFTER SERVICE PRECAUTION". (See [AFTER SERVICE PRECAUTION \[SKYACTIV-D 2.2\].](#))

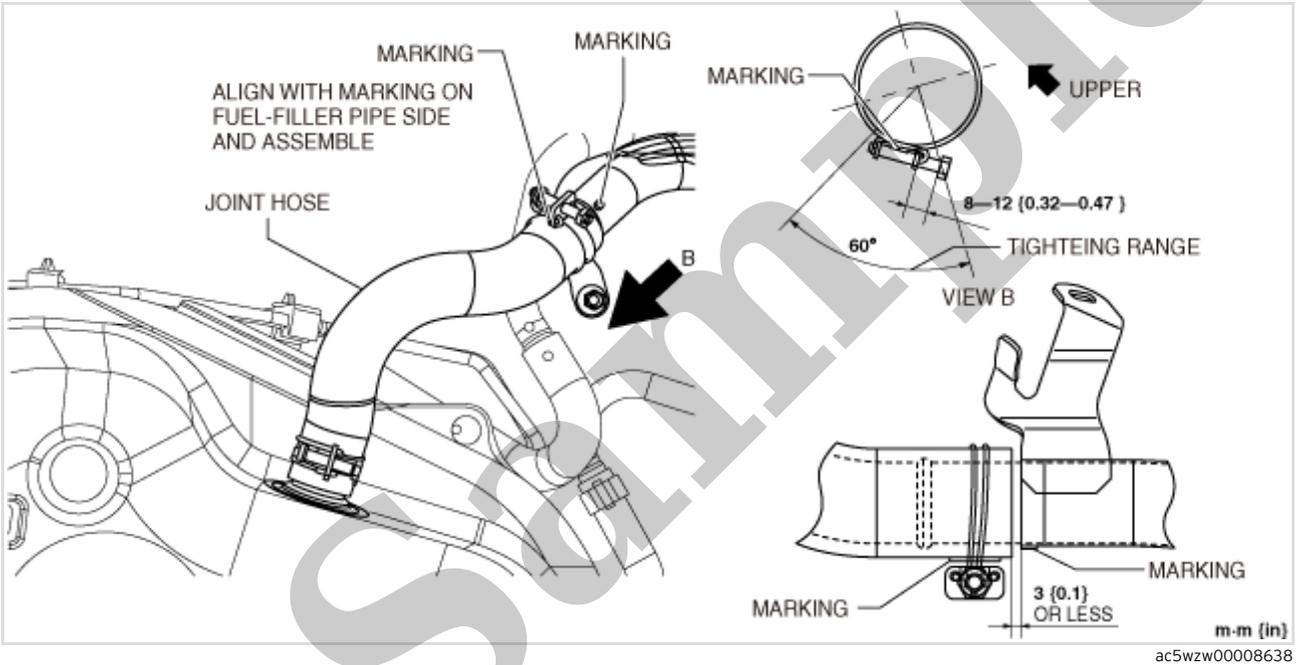


N-m (kgf-m, ft-lbf)
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1	Joint hose (See Joint hose installation note.)
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Fuel-filler pipe side



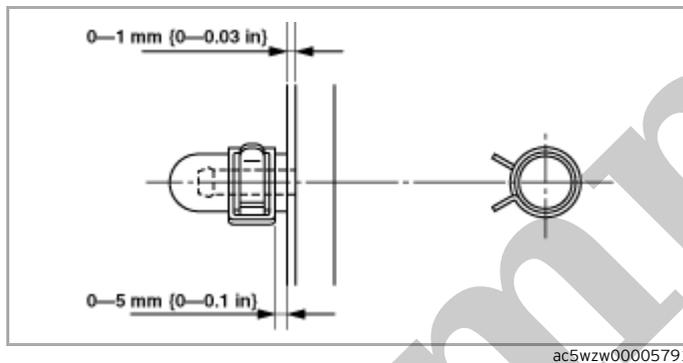
- If the engine starts, the procedure is completed.
- If the engine does not start, return to Step 5.

Fuel Hose Installation Procedure

1. When connecting the fuel hose and fuel pipe, verify that there is no damage or deformity on the fuel pipe and no cracking on the fuel hose.
2. When installing the fuel hose, verify the main and return sides and install it to the specified position.

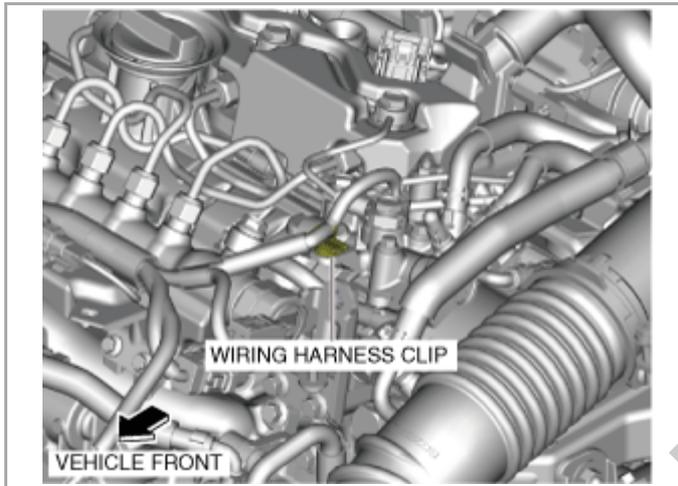
Plug Installation Note

1. Install the plug as shown in the figure.



7. Set the turbocharger air inlet hose aside.

8. Disconnect the wiring harness clip shown in the figure.



9. Disconnect the CMP sensor connector. (See [CAMSHAFT POSITION \(CMP\) SENSOR REMOVAL/INSTALLATION \[SKYACTIV-D 2.2.\]](#).)

10. Remove the fuel return pipe (fuel injector side) and cover. (See [FUEL INJECTOR REMOVAL/INSTALLATION \[SKYACTIV-D 2.2.\]](#).)

11. Remove the following parts. (See [SUPPLY PUMP REMOVAL/INSTALLATION \[SKYACTIV-D 2.2.\]](#).)

- Fuel feed pipe
- Injection pipe (supply pump side)
- Clip
- Bracket

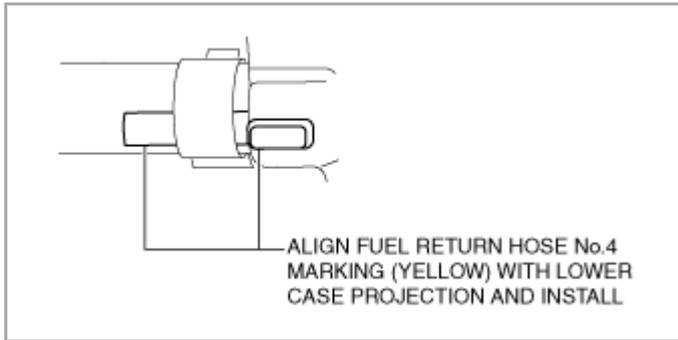
12. Remove in the order shown in the figure.

13. Install in the reverse order of removal.

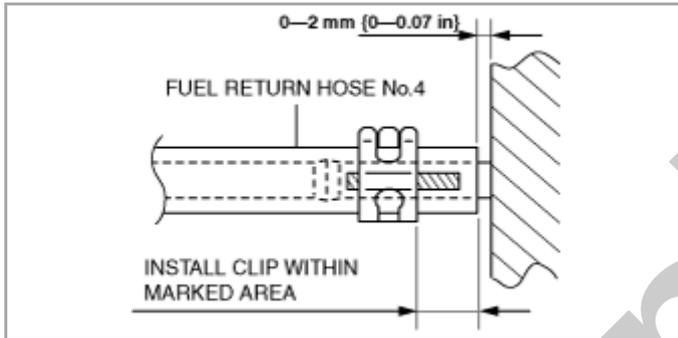
14. Perform the "Fuel Hose Installation Procedure" and "Fuel Line Air Bleeding" referring to the "AFTER SERVICE PRECAUTION". (See [AFTER SERVICE PRECAUTION \[SKYACTIV-D 2.2.\]](#).)

Lower case side

1. Install the fuel return hose No.4 as shown in the figure.



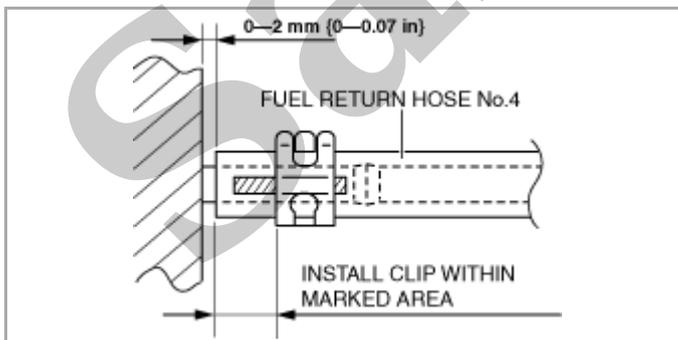
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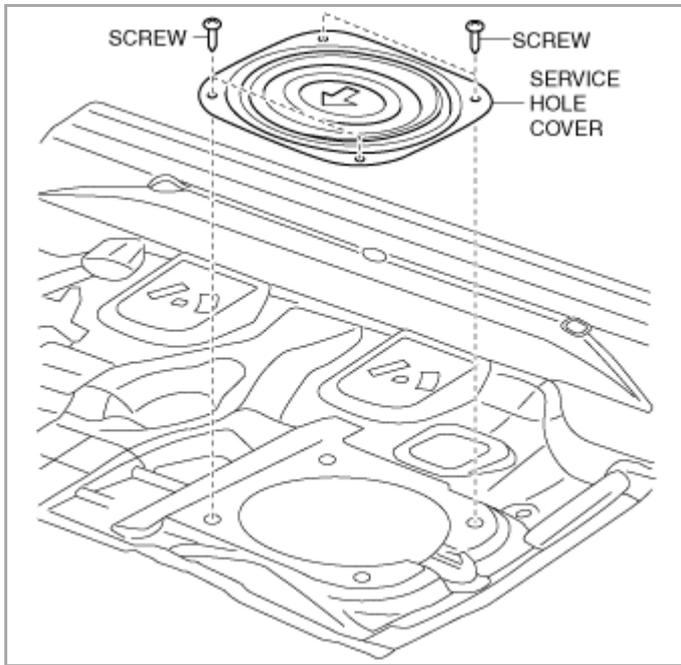
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Common rail side

1. Install the fuel return hose No.4 as shown in the figure.



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6. Disconnect the following parts:

- Fuel gauge sender unit connector
- Fuel hose (main side)
- Fuel hose (return side)

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

8. Remove the middle pipe. (See [EXHAUST SYSTEM REMOVAL/INSTALLATION \[SKYACTIV-D 2.2\]](#).)

9. Remove the fuel tank and the fuel gauge sender unit as a single unit. (See [FUEL TANK REMOVAL/INSTALLATION \[SKYACTIV-D 2.2\]](#).)

10. Perform the following procedure to verify fuel tank airtightness.

- (1) Plug the fuel gauge sender unit pipe, and ports B and C.