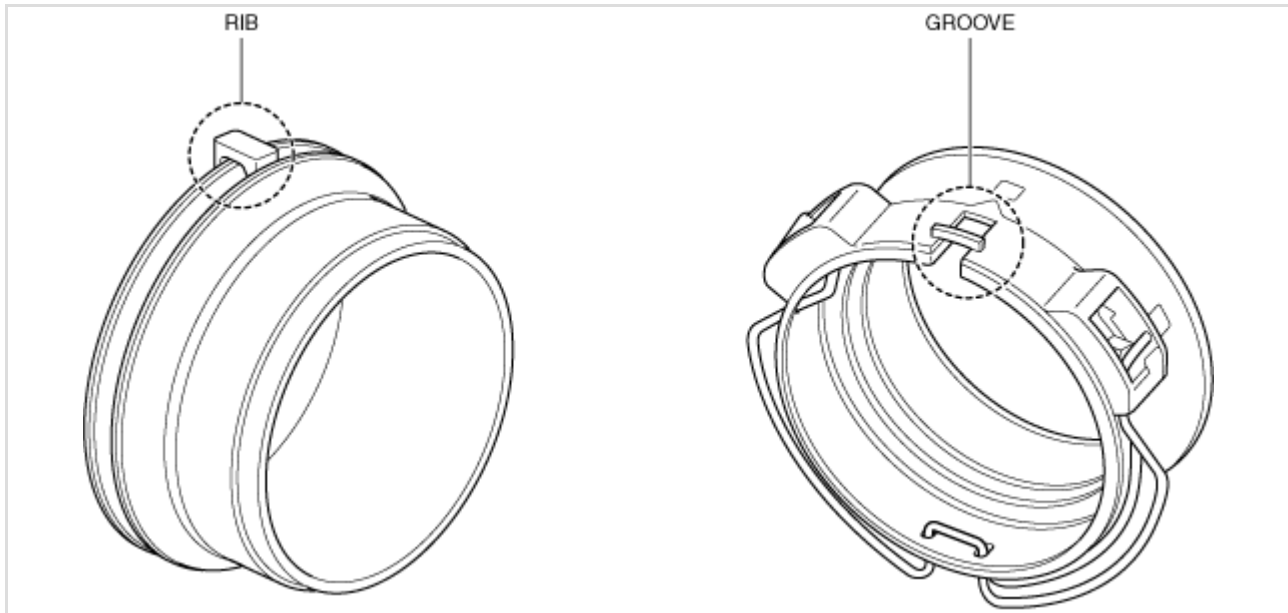


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FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

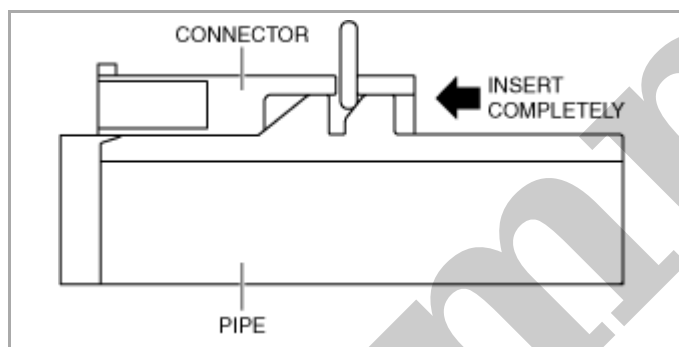
## 2007 MAZDA 6/Atenza Sedan OEM Service and Repair Workshop Manual

[Go to manual page](#)



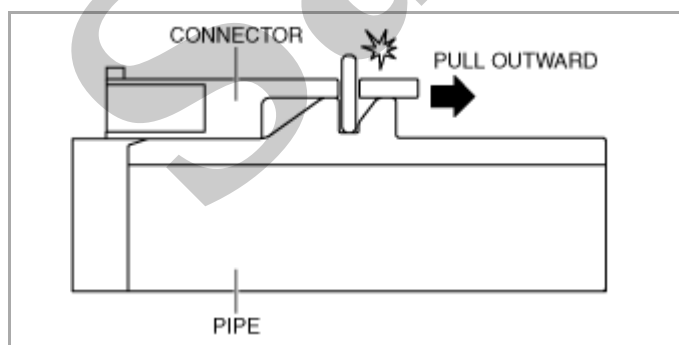
ac5wzw00006726

5. Insert the pipe connector completely into the connector.



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6. Pull the pipe outward and verify that a click sound is heard.

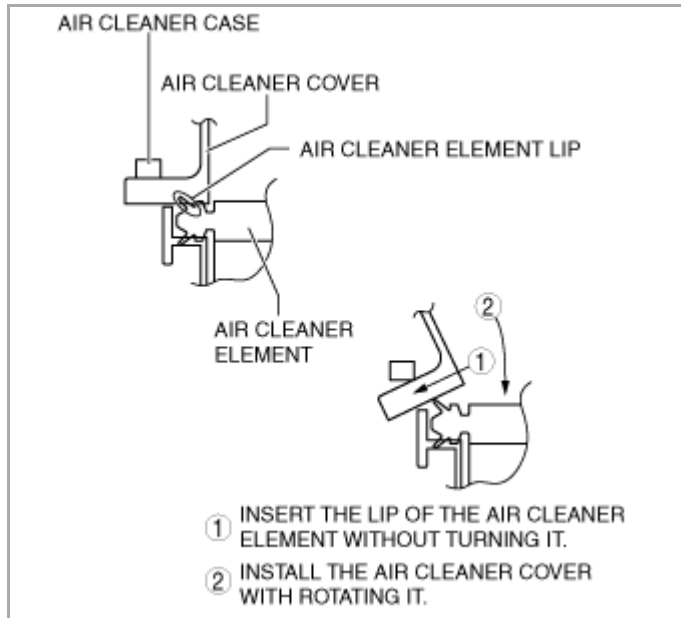


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## Air Hose Installation Note

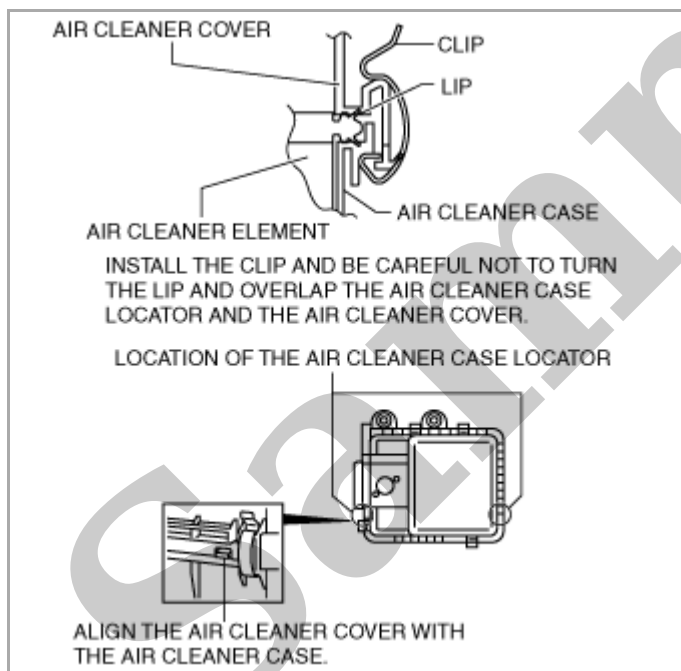
1. Install the air hose as shown in the figure.

Air cleaner cover side



ac5wzw00005692

2. Secure the air cleaner cover and the air cleaner case with the clip.



ac5wzw00005693

## Vacuum Hose Installation Note

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

# GLOW PLUG REMOVAL/INSTALLATION [SKYACTIV-D 2.2]

SM2897431

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## Caution

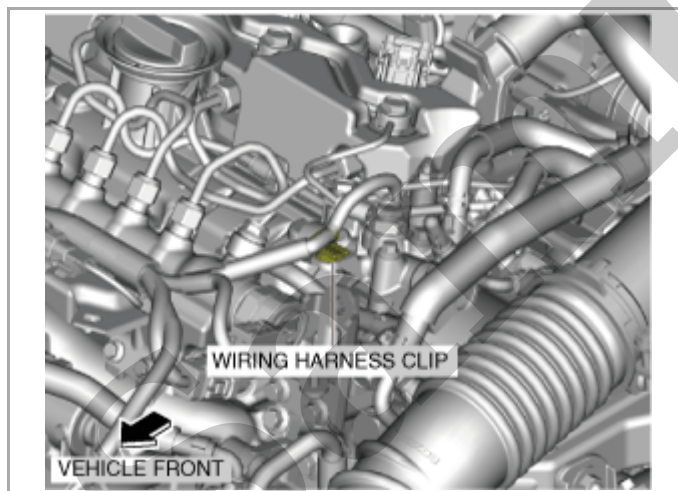
- Do not reuse a glow plug which has been dropped from a height exceeding 10 cm {3.9 in} even though there is no damage and the resistance is normal. Otherwise, the glow plug may not operate normally.

1. Disconnect the negative battery terminal. (See [NEGATIVE BATTERY TERMINAL DISCONNECTION/CONNECTION.](#))

2. Remove the engine cover. (See [ENGINE COVER REMOVAL/INSTALLATION \[SKYACTIV-D 2.2\].](#))

3. Remove the intake manifold insulator. (See [INTAKE-AIR SYSTEM REMOVAL/INSTALLATION \[SKYACTIV-D 2.2\].](#))

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



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

6. Remove in the order shown in the figure.

7. Install in the reverse order of removal.

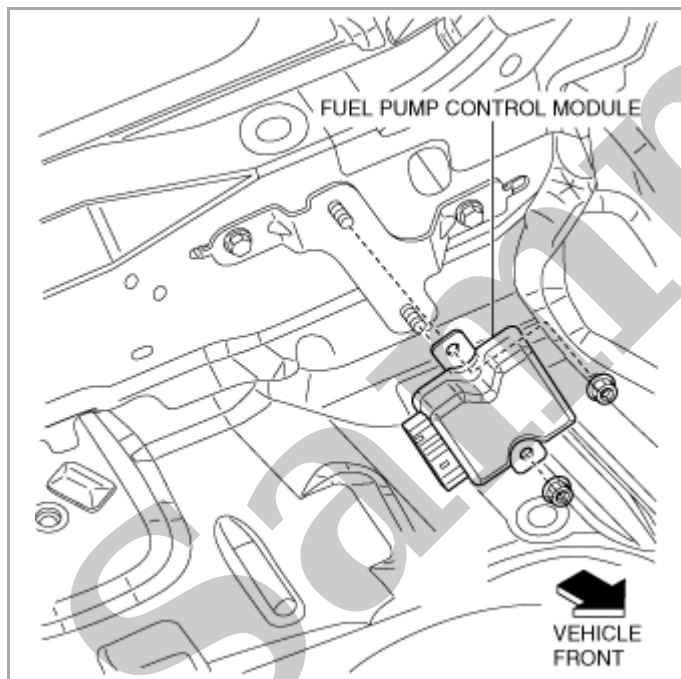
8. Perform glow plug data reset procedure. (See [GLOW PLUG DATA RESET \[SKYACTIV-D 2.2\].](#))

# FUEL PUMP CONTROL MODULE REMOVAL/INSTALLATION [SKYACTIV-G 2.5T]

SM2897432

id0114q417500

1. Disconnect the negative battery terminal. (See [NEGATIVE BATTERY TERMINAL DISCONNECTION/CONNECTION.](#))
2. Remove the rear seat cushion. (See [REAR SEAT CUSHION REMOVAL/INSTALLATION.](#))
3. Disconnect the fuel pump control module connector.
4. Remove the fuel pump control module.



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5. Install the fuel pump control module using the following procedure.

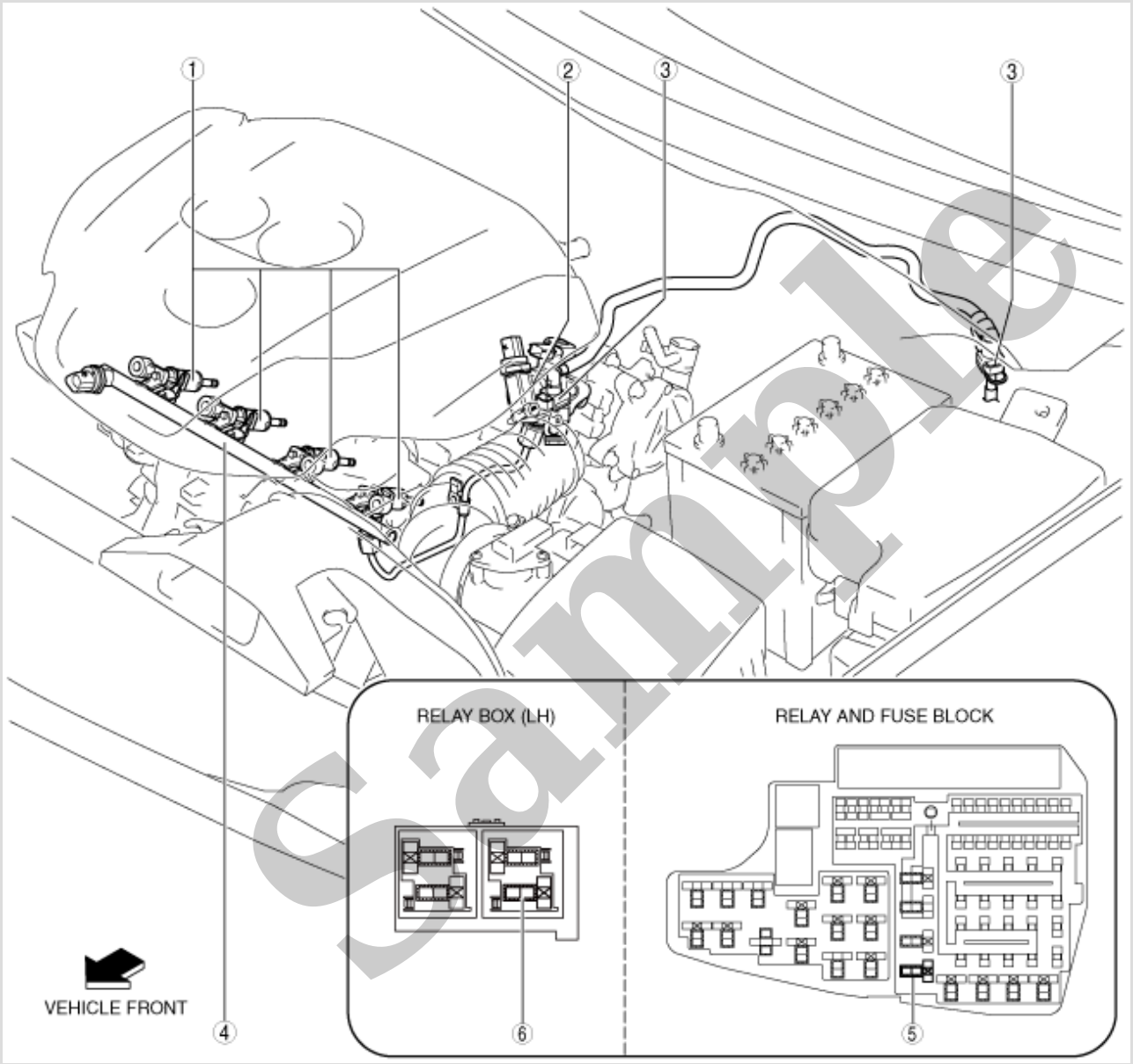
(1) Insert the bracket tabs into the installation holes in the order shown in the figure.

FUEL SYSTEM LOCATION INDEX [SKYACTIV-G 2.5T]

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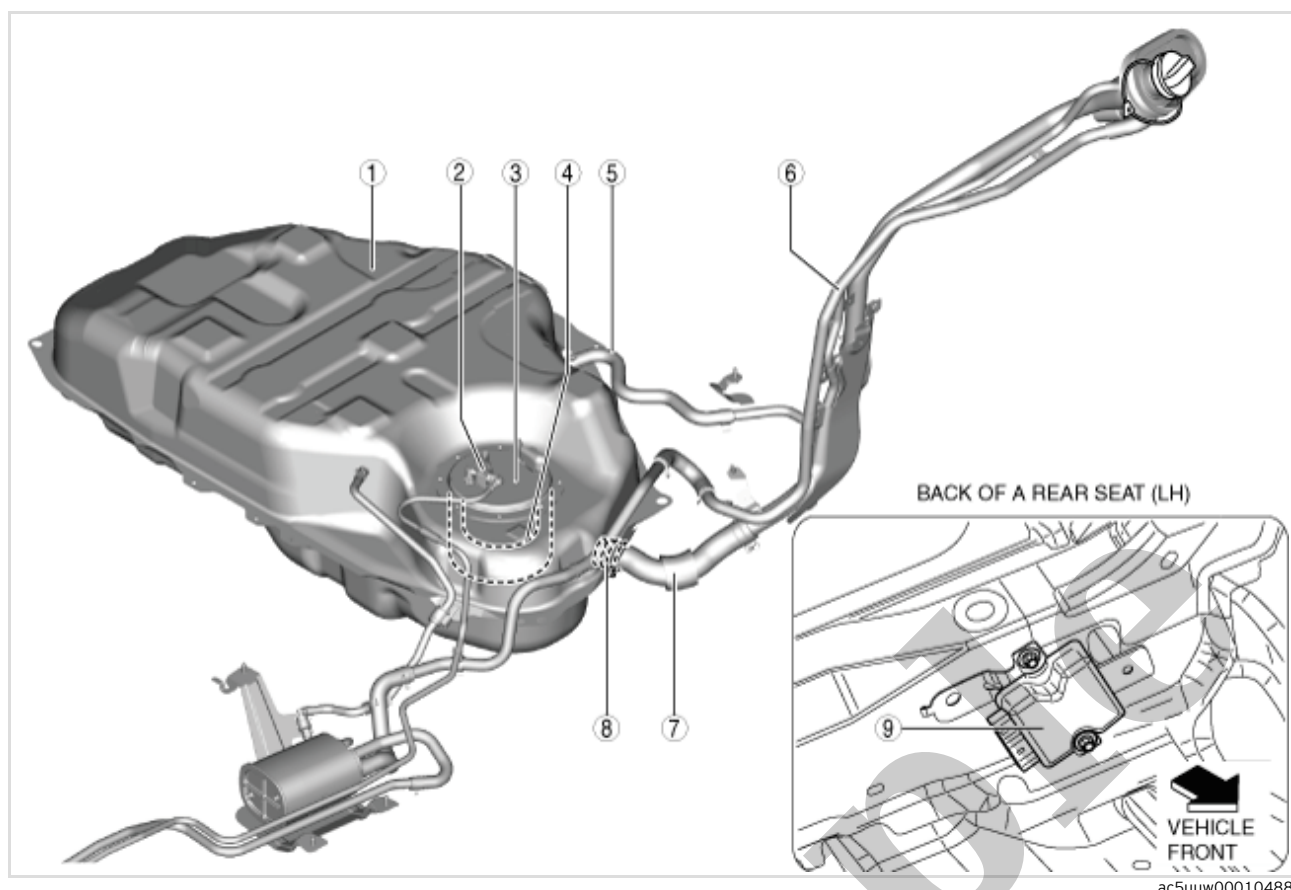
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Engine Compartment Side



ac5uuw00010485

1	Fuel injector (See <a href="#">FUEL INJECTOR REMOVAL/INSTALLATION [SKYACTIV-G 2.5T].</a> ) (See <a href="#">FUEL INJECTOR INSPECTION [SKYACTIV-G 2.5T].</a> )
2	High pressure fuel pump (See <a href="#">HIGH PRESSURE FUEL PUMP REMOVAL/INSTALLATION [SKYACTIV-G 2.5T].</a> ) (See <a href="#">HIGH PRESSURE FUEL PUMP INSPECTION [SKYACTIV-G 2.5T].</a> )
3	Quick release connector (See <a href="#">QUICK RELEASE CONNECTOR (FUEL SYSTEM) REMOVAL/INSTALLATION [SKYACTIV-G 2.5T].</a> )
4	Fuel distributor (See <a href="#">FUEL INJECTOR REMOVAL/INSTALLATION [SKYACTIV-G 2.5T].</a> )
5	Fuel injector relay (See <a href="#">RELAY INSPECTION.</a> )



1	Fuel tank (See <a href="#">FUEL TANK REMOVAL/INSTALLATION [SKYACTIV-G 2.5T].</a> ) (See <a href="#">FUEL TANK INSPECTION [SKYACTIV-G 2.5T].</a> )
2	Quick release connector (See <a href="#">QUICK RELEASE CONNECTOR (FUEL SYSTEM) REMOVAL/INSTALLATION [SKYACTIV-G 2.5T].</a> )
3	Fuel pump unit (See <a href="#">FUEL PUMP UNIT REMOVAL/INSTALLATION [SKYACTIV-G 2.5T].</a> ) (See <a href="#">FUEL PUMP UNIT DISASSEMBLY/ASSEMBLY [SKYACTIV-G 2.5T].</a> ) (See <a href="#">FUEL PUMP UNIT INSPECTION [SKYACTIV-G 2.5T].</a> )
4	Fuel filter (high-pressure) (See <a href="#">FUEL FILTER (HIGH-PRESSURE) REMOVAL/INSTALLATION [SKYACTIV-G 2.5T].</a> )
5	Breather hose (See <a href="#">FUEL TANK REMOVAL/INSTALLATION [SKYACTIV-G 2.5T].</a> )
6	Fuel-filler pipe (See <a href="#">FUEL-FILLER PIPE REMOVAL/INSTALLATION [SKYACTIV-G 2.5T].</a> )
7	Joint hose (See <a href="#">FUEL TANK REMOVAL/INSTALLATION [SKYACTIV-G 2.5T].</a> )
8	Non-return valve (See <a href="#">NON-RETURN VALVE INSPECTION [SKYACTIV-G 2.5T].</a> )
9	Fuel pump control module (See <a href="#">FUEL PUMP CONTROL MODULE REMOVAL/INSTALLATION [SKYACTIV-G 2.5T].</a> ) (See <a href="#">FUEL PUMP CONTROL MODULE INSPECTION [SKYACTIV-G 2.5T].</a> )

9. Operate the fuel pump for 10 s.

10. Measure the fuel line pressure.

- If not within the specification, inspect the following:

**If it is less than the specification:**

- Fuel pump unit
- Fuel line for restriction or leakage

**If it exceeds the specification:**

- Fuel line restriction

**Fuel pressure**

545–695 kPa {5.56–7.08 kgf/cm<sup>2</sup>, 79.1–100.0 psi}

11. Stop the fuel pump using the following procedure.

**Using M-MDS**

1. Using the simulation function “FP”, stop the fuel pump. (See [ON-BOARD DIAGNOSTIC TEST \[PCM \(SKYACTIV-G 2.5T\)\]](#).)

**Without using M-MDS**

1. Disconnect the negative battery terminal to stop the fuel pump. (See [NEGATIVE BATTERY TERMINAL DISCONNECTION/CONNECTION](#).)

12. Measure the fuel hold pressure after 5 min.

- If not within the specification, inspect the following:

- Fuel line leakage

**Fuel hold pressure**

175–326 kPa {1.79–3.32 kgf/cm<sup>2</sup>, 25.4–47.2 psi}

13. Complete the “BEFORE SERVICE PRECAUTION”. (See [BEFORE SERVICE PRECAUTION \[SKYACTIV-G 2.5T\]](#).)

14. Disconnect the SST.

15. Connect the quick release connector. (See [QUICK RELEASE CONNECTOR \(FUEL SYSTEM\) REMOVAL/INSTALLATION \[SKYACTIV-G 2.5T\]](#).)

16. Complete the “AFTER SERVICE PRECAUTION”. (See [AFTER SERVICE PRECAUTION \[SKYACTIV-G 2.5T\]](#).)



## Fuel Distributor Removal Note

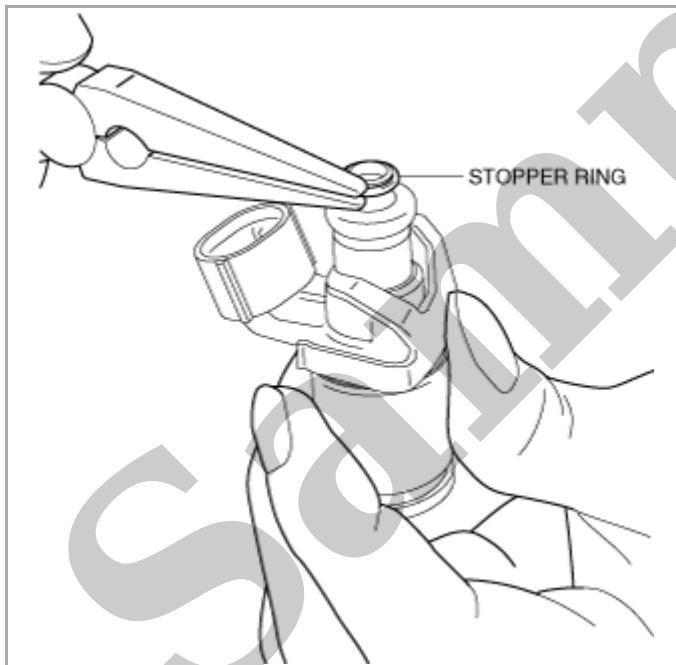
- 1.Remove the high pressure fuel pipe. (See [HIGH PRESSURE FUEL PUMP REMOVAL/INSTALLATION \[SKYACTIV-G 2.5T\].](#))
- 2.Remove the fuel distributor.

## Stopper Ring Removal Note

### Note

- When removing the stopper ring, do not damage the fuel injector with the tool.

- 1.Remove the stopper ring as shown in the figure.



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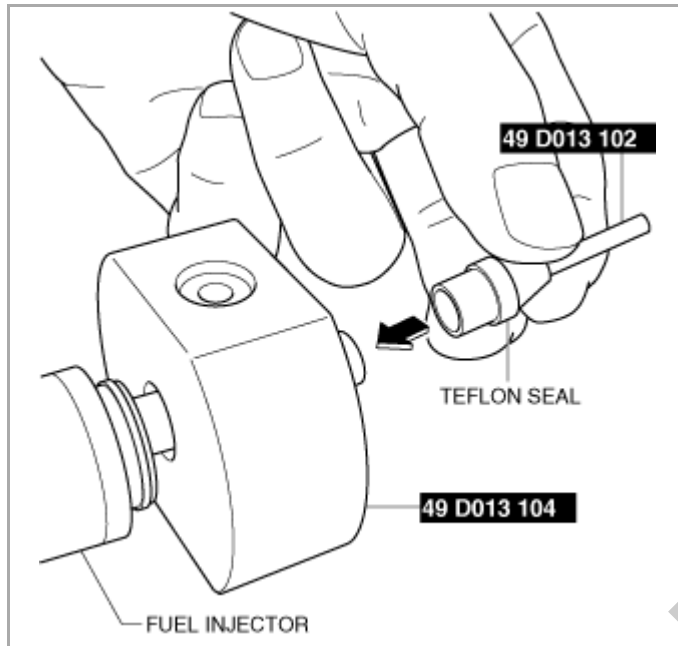
## Teflon Seal Removal Note

### Note

- When stretching the teflon seal, do not damage the fuel injector with the tool.

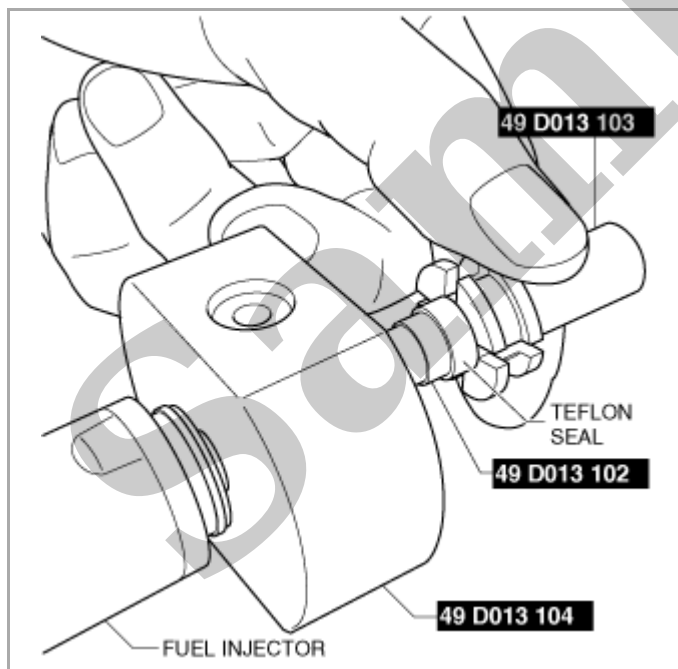
- 1.Stretch the teflon seal as shown in the figure.

4. Install the SST equipped with the teflon seal to the end of the fuel injector.



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5. Using the SST, press on the teflon seal to the fuel injector side.



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6. Press on the teflon seal to the position indicated in the figure, then remove the SST.