

2012 - Mazda6 - Engine

QUICK RELEASE CONNECTOR REMOVAL/ INSTALLATION [MZI 3.7 V6]

WARNING:

- Fuel is very flammable liquid. If fuel spills or leaks from the pressurized fuel system, it will cause serious injury or death and facility breakage. Fuel can also irritate skin and eyes. To prevent this, always complete the "Fuel Line Safety Procedure", while referring to the "BEFORE SERVICE PRECAUTION".

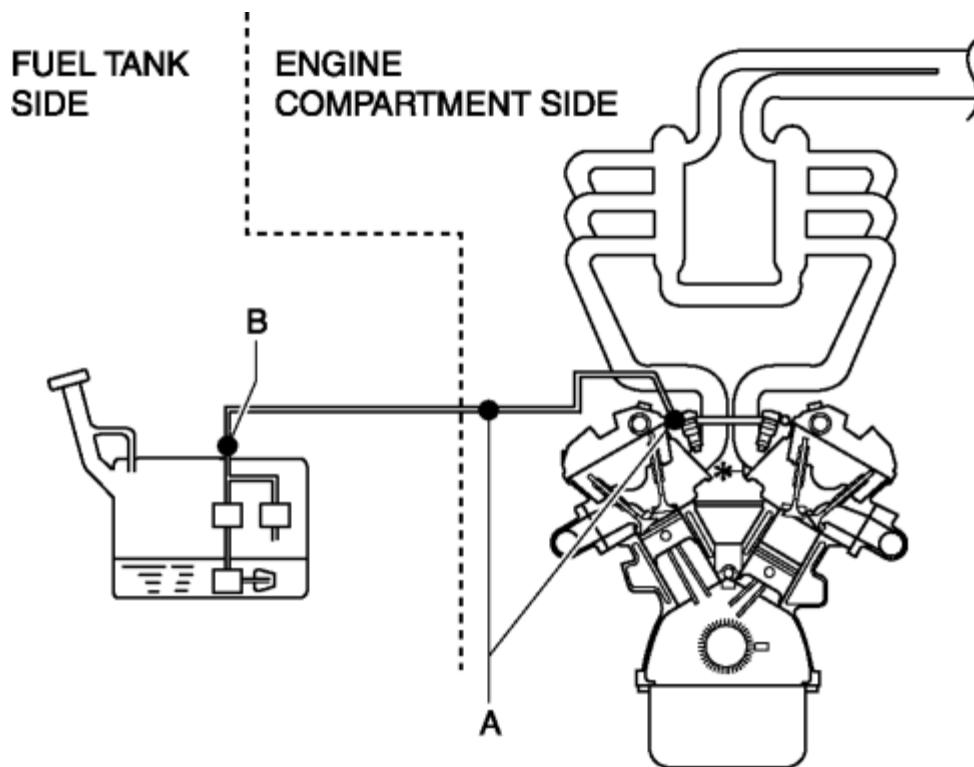
CAUTION:

- 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.

Quick Release Connector Type

CAUTION:

- Verify the type and location, and remove/install properly.



Type A Removal

CAUTION:

- Be careful not to damage the fuel pipe when unlocking the retainer.

NOTE:

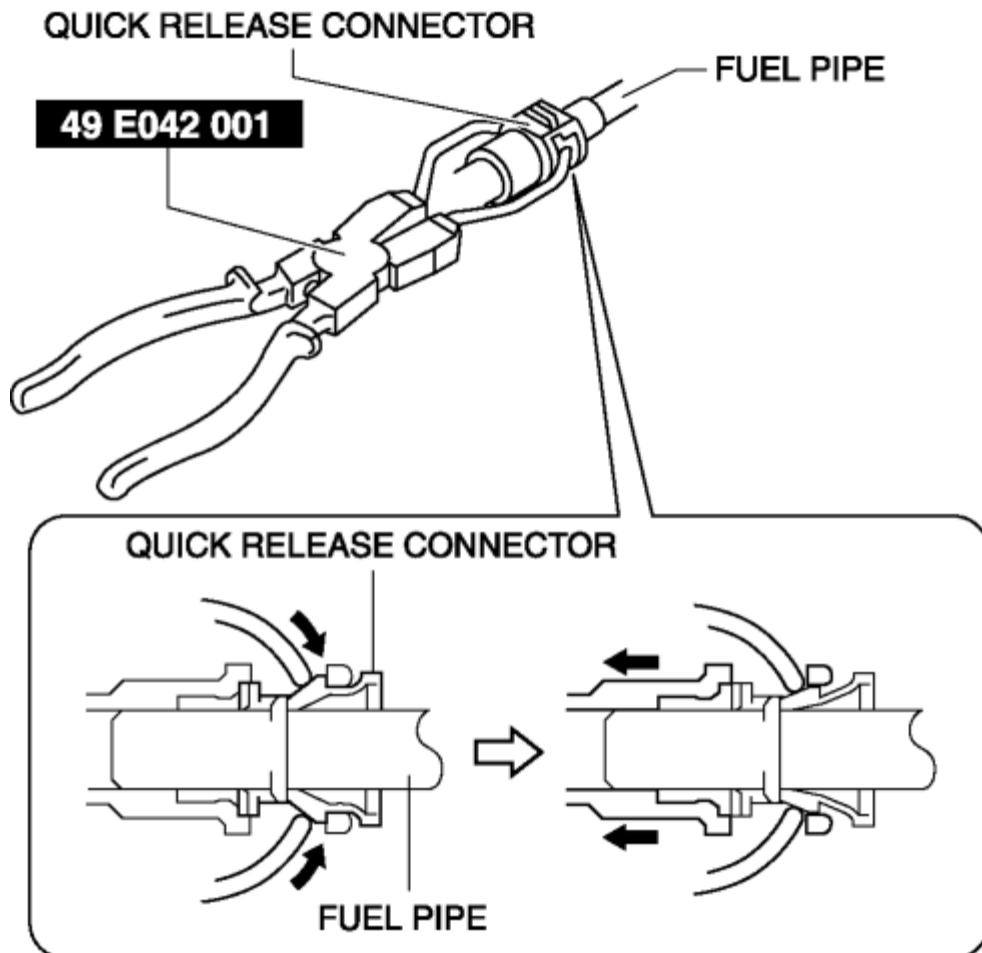
- When removing the quick release connector, either SST 49 E042 001 or 49 N013 103A (Part of 49 N013 1A0D) can be used.

When using SST 49 E042 001

NOTE:

- If the quick release connector is removed, replace the retainer with a new one.

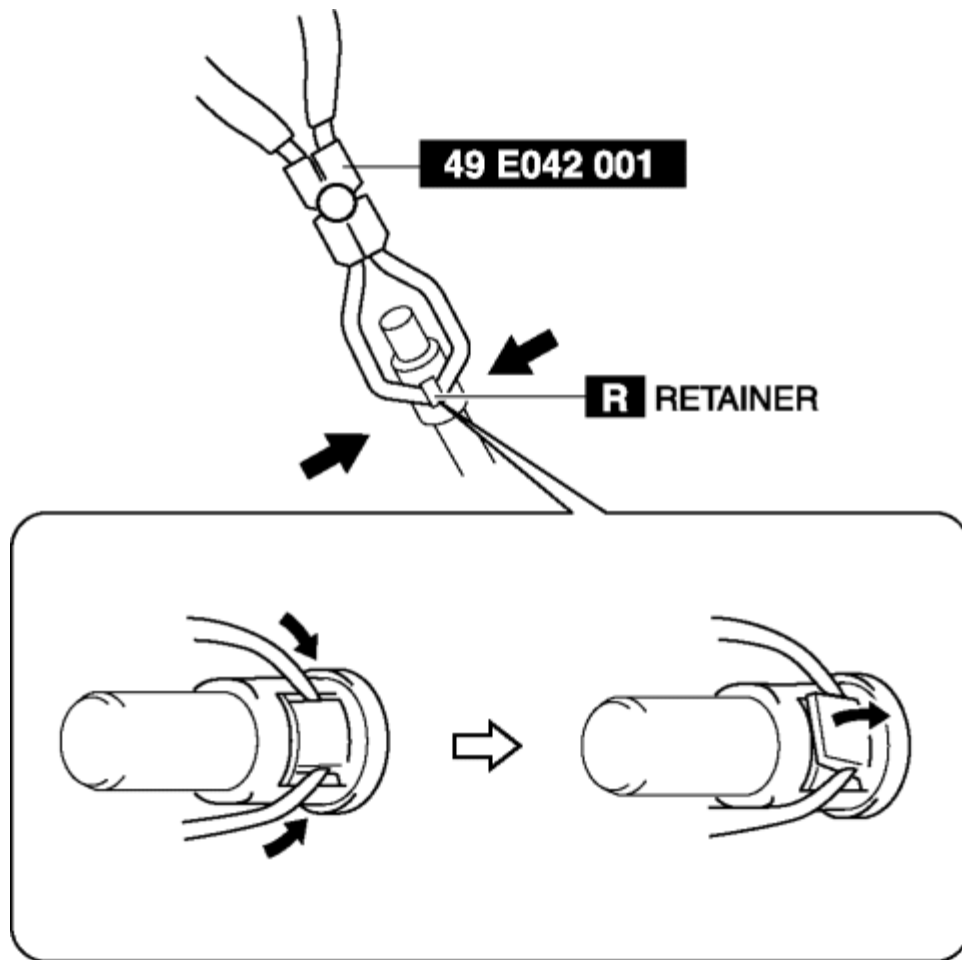
1. Complete the "BEFORE SERVICE PRECAUTION". (See [AFTER SERVICE PRECAUTION \[MZI 3.7 V6\]](#).)
2. Set the **SST** parallel to the quick release connector.



NOTE:

- The quick release connector can be removed by pushing the center of the retainer tabs.
 - The retainer is attached to the fuel pipe even after the connector is disconnected.
3. Hold the center of the retainer tabs with the **SST** ends and press the retainer.

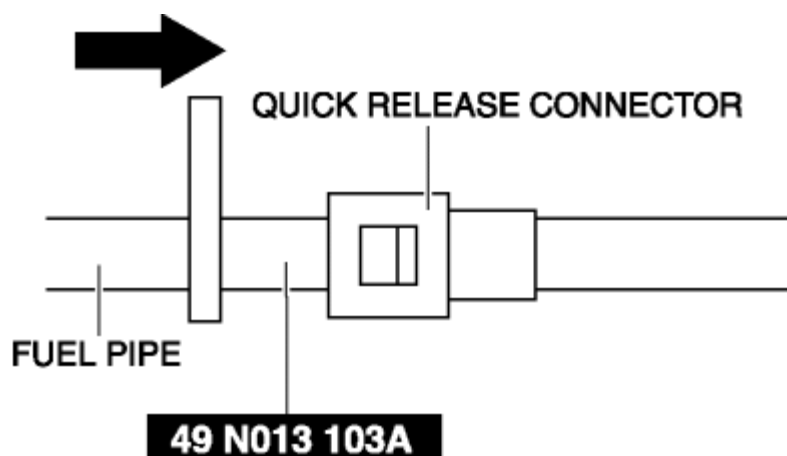
4. Pull the connector side and disconnect the quick release connector.
5. Raise a retainer tab using the **SST** and remove the retainer.



6. Cover the disconnected quick release connector and fuel pipe with vinyl sheeting or a similar material to prevent it from getting scratched or dirty.

When using **SST 49 N013 103A (Part of 49 N013 1A0D)**

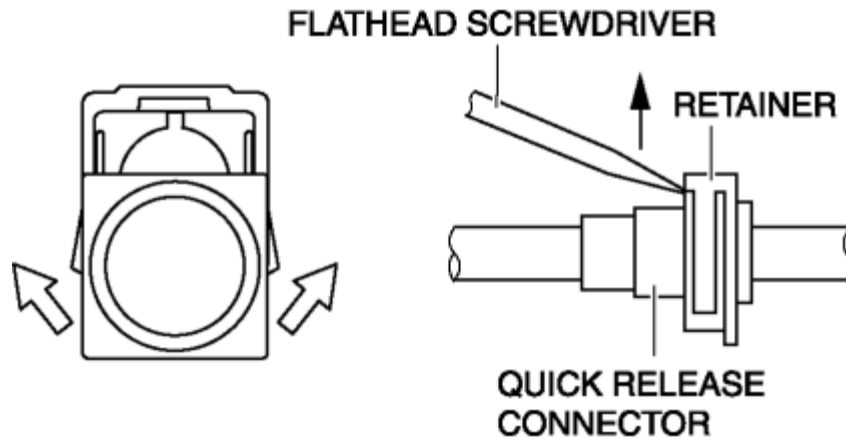
1. Complete the "BEFORE SERVICE PRECAUTION". (See **BEFORE SERVICE PRECAUTION [MZI 3.7 V6]**.)
2. Insert the **SST** into the quick release connector.



3. Pull out the fuel hose straight from the fuel pipe and disconnect it.
4. Cover the disconnected quick release connector and fuel pipe with vinyl sheeting or a similar material to prevent it from getting scratched or dirty.

Type B Removal

1. Complete the "BEFORE SERVICE PRECAUTION". (See [BEFORE SERVICE PRECAUTION \[MZI 3.7 V6\]](#).)
2. Move the retainer upward using a small flathead screwdriver or a similar tool.



3. Pull out the fuel hose straight from the fuel pipe and disconnect it.
4. Cover the disconnected quick release connector and fuel pipe with vinyl sheeting or a similar material to prevent it from getting scratched or dirty.

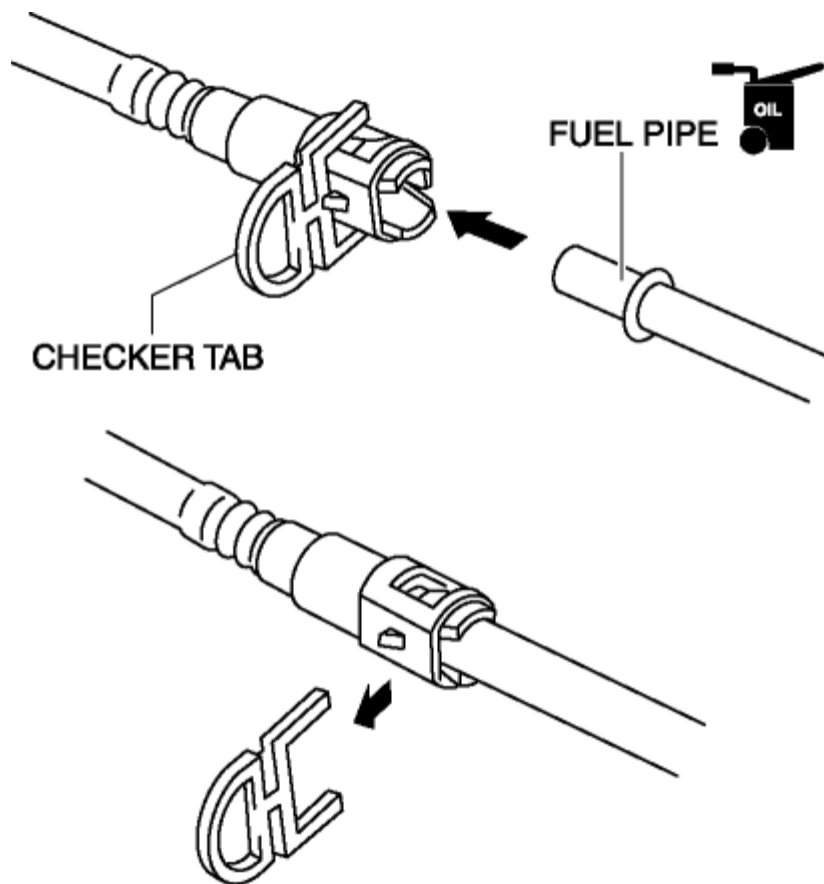
Type A Installation

CAUTION:

- Always replace the retainer with a new one when using SST 49 E042 001, otherwise, fuel leakage could result.

NOTE:

- If the quick release connector O-ring is damaged or has slipped, replace the piping component.
- A checker tab is integrated with the quick release connector for new fuel hoses. Remove the checker tab from the quick release connector after the connector is completely engaged with the fuel pipe.

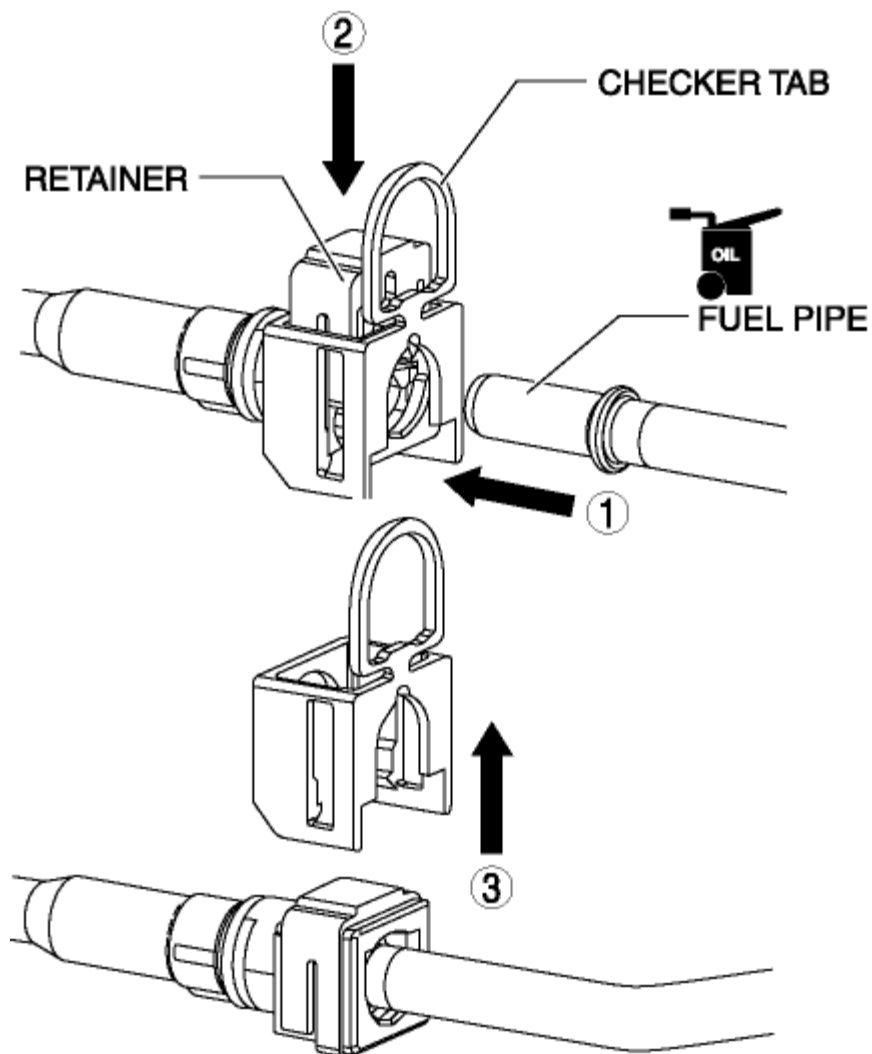


1. Inspect the fuel hose and fuel pipe sealing surface for damage and deformation.
 - If there is any malfunction, replace it with a new one.
2. Apply a small amount of clean engine oil to the sealing surface of the fuel pipe.
3. Install a new retainer to the quick release connector.
4. Reconnect the fuel hose straight to the fuel pipe until a click is heard.
5. Lightly pull and push the quick release connector a few times by hand, and then verify that it is connected securely.
6. Complete the "AFTER SERVICE PRECAUTION". (See [AFTER SERVICE PRECAUTION \[MZI 3.7 V6\]](#).)

Type B Installation

NOTE:

- If the quick release connector O-ring is damaged or has slipped, replace the fuel hose.
1. Inspect the fuel hose and fuel pipe sealing surface for damage and deformation.
 - If there is any malfunction, replace it with a new one.
 2. Install the quick release connector.



- Insert the fuel pipe straight to the end of the quick release connector.
- Push down the retainer using a finger.
 - If the retainer cannot be pushed down, push the fuel pipe further to the quick release connector.

3. Lightly pull and push the quick release connector a few times by hand, and then verify that it is connected securely.

4. Complete the "AFTER SERVICE PRECAUTION". (See [AFTER SERVICE PRECAUTION \[MZI 3.7 V6\]](#).)

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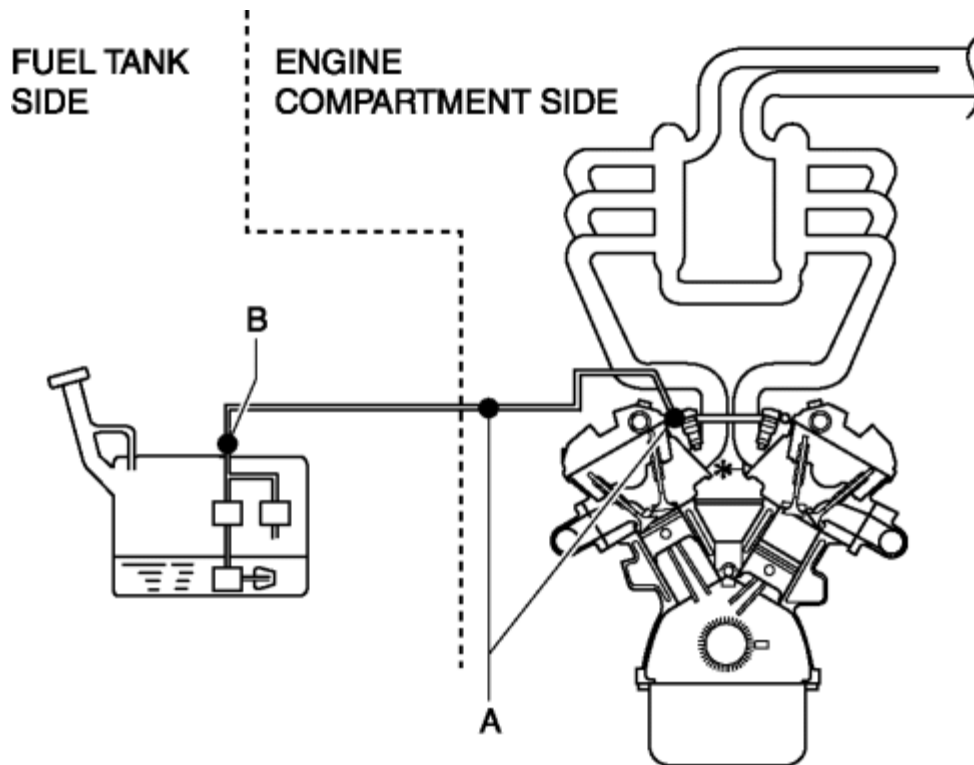
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Quick Release Connector Type

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Type A Removal

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NOTE:

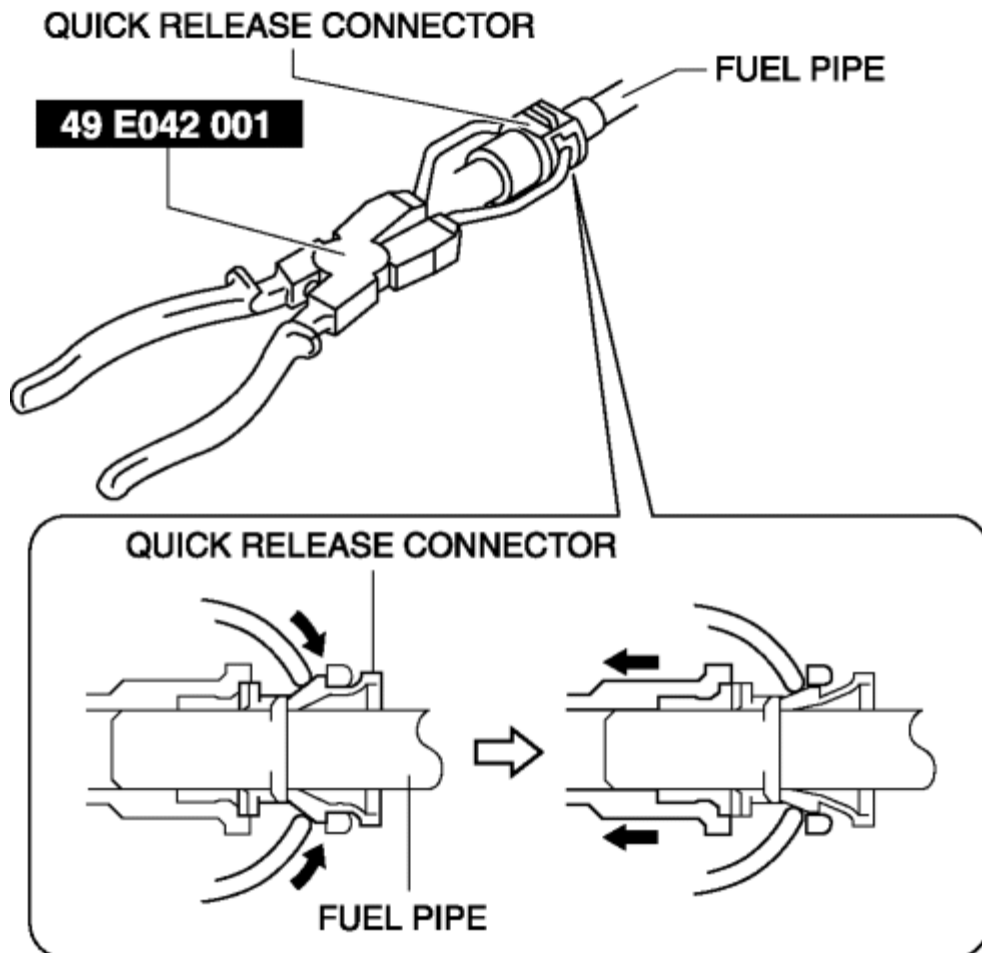
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When using SST 49 E042 001

NOTE:

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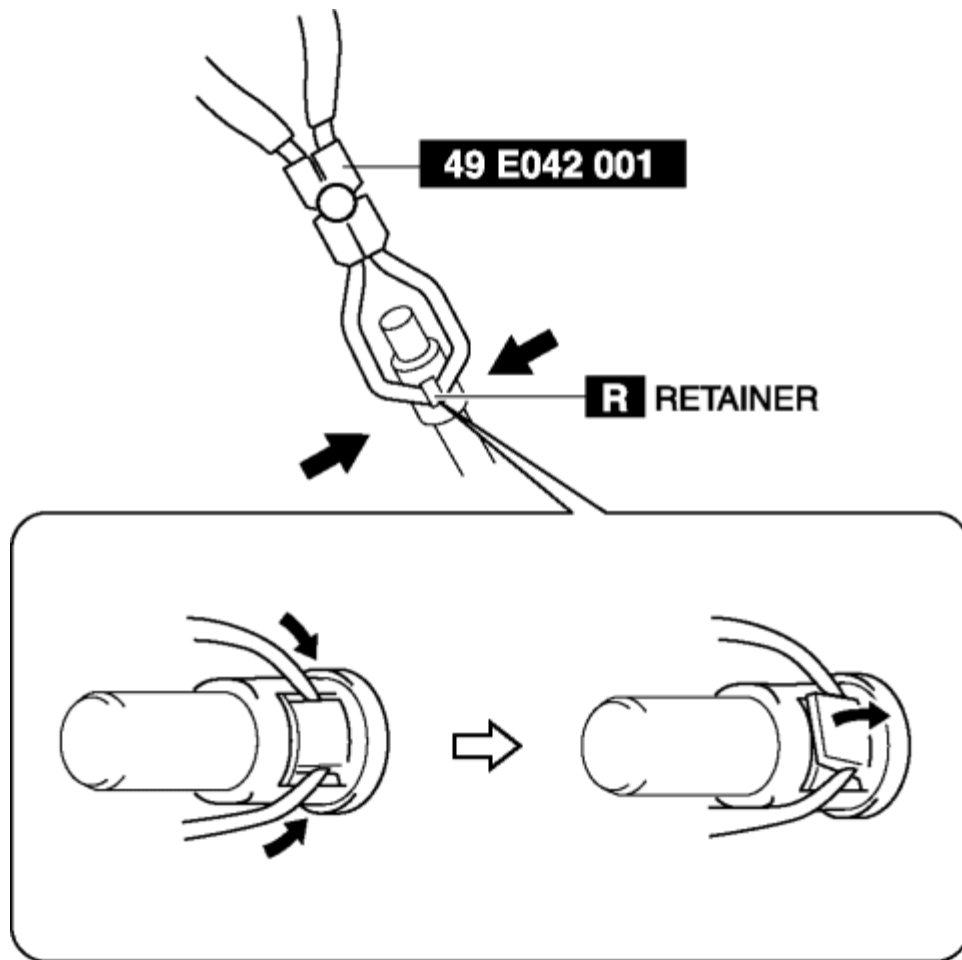
1. Complete the "BEFORE SERVICE PRECAUTION". (See [AFTER SERVICE PRECAUTION \[MZI 3.7 V6\]](#).)
2. Set the **SST** parallel to the quick release connector.



NOTE:

- The quick release connector can be removed by pushing the center of the retainer tabs.
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3. Hold the center of the retainer tabs with the **SST** ends and press the retainer.

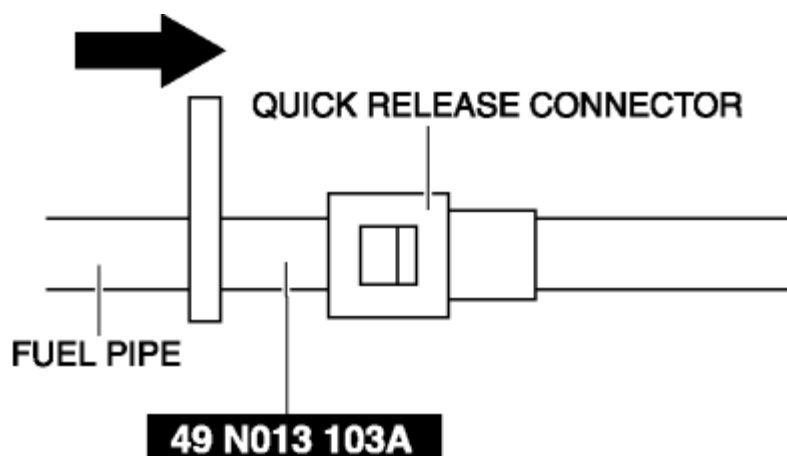
4. Pull the connector side and disconnect the quick release connector.
5. Raise a retainer tab using the **SST** and remove the retainer.



6. Cover the disconnected quick release connector and fuel pipe with vinyl sheeting or a similar material to prevent it from getting scratched or dirty.

When using SST 49 N013 103A (Part of 49 N013 1A0D)

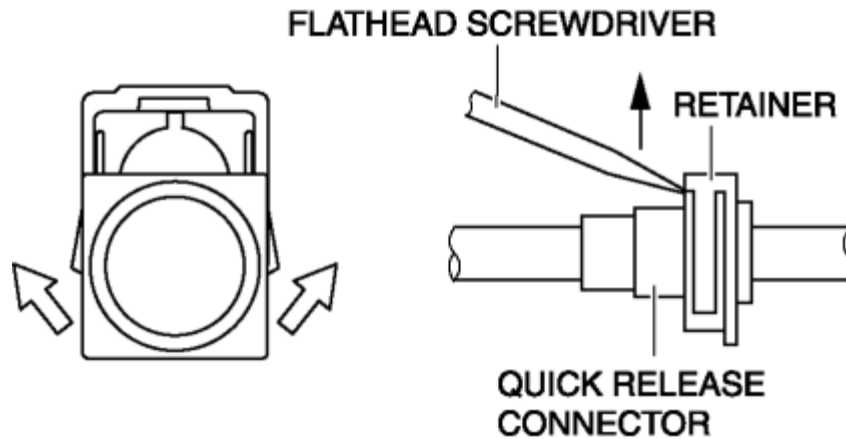
1. Complete the "BEFORE SERVICE PRECAUTION". (See [BEFORE SERVICE PRECAUTION \[MZI 3.7 V6\]](#).)
2. Insert the **SST** into the quick release connector.



3. Pull out the fuel hose straight from the fuel pipe and disconnect it.
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Type B Removal

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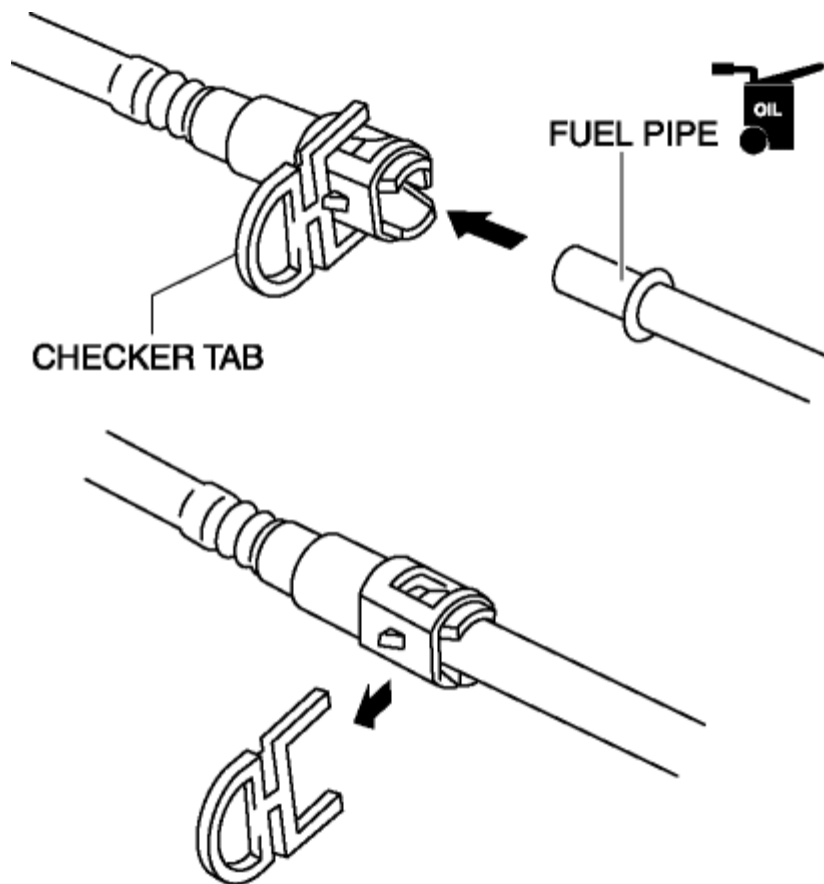
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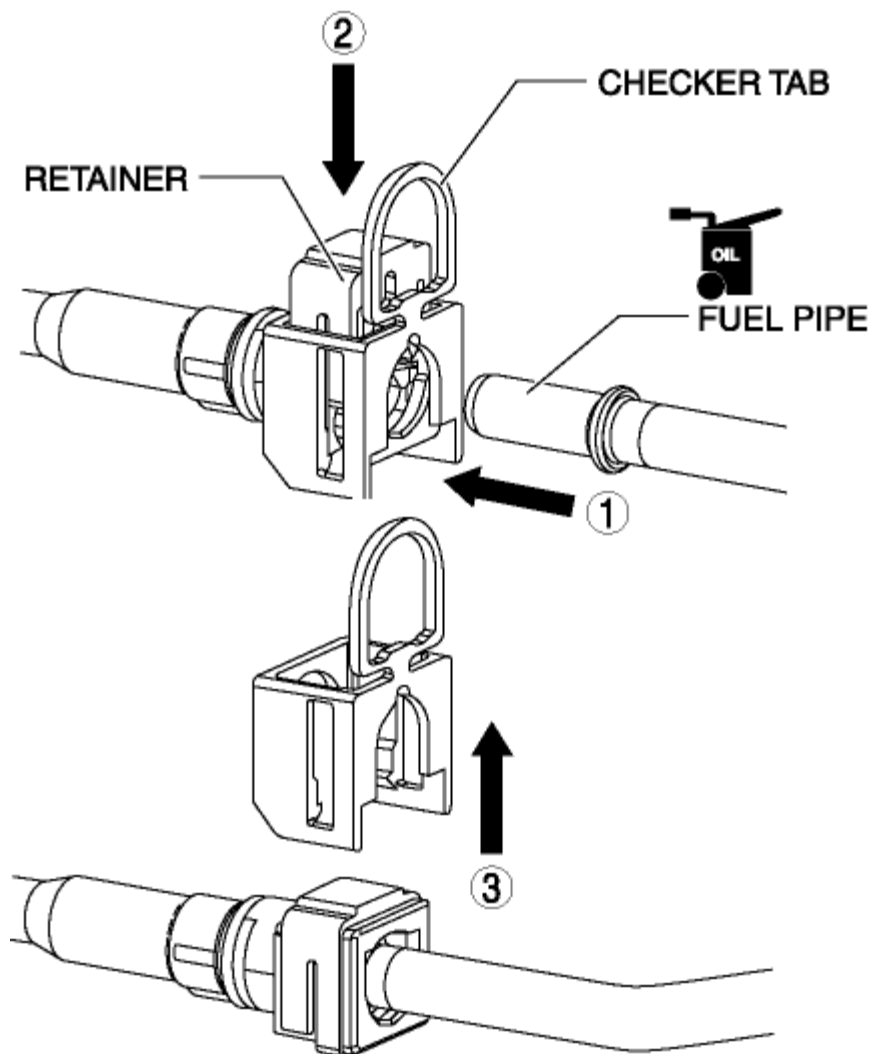


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