

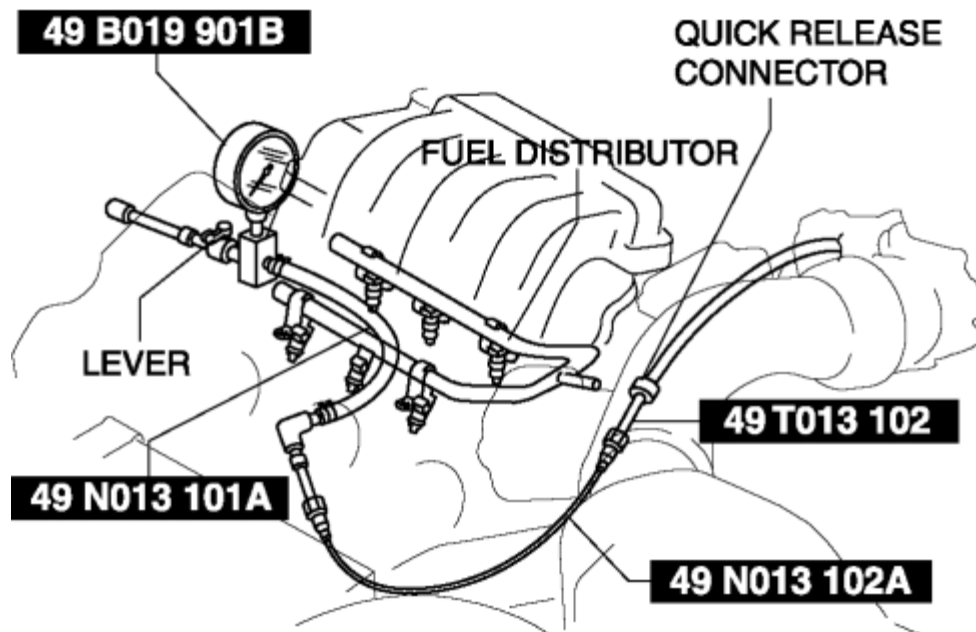
2012 - Mazda6 - Engine

FUEL LINE PRESSURE INSPECTION [MZI 3.7 V6]

WARNING:

- Fuel line spills and leakage are dangerous. Fuel can ignite and cause serious injuries or death. Fuel can also irritate skin and eyes. To prevent this, always complete the "BEFORE REPAIR PROCEDURE".

- Complete the "BEFORE SERVICE PRECAUTION". (See [BEFORE SERVICE PRECAUTION \[MZI 3.7 V6\]](#).)
- Disconnect the negative battery cable. (See [BATTERY REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#).)
- Remove the engine cover. (See [ENGINE COVER REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#).)
- Remove the air hose. (See [INTAKE-AIR SYSTEM REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#).)
- Perform the work using the following procedure.
 - Disconnect the quick release connector from the fuel distributor. (See [QUICK RELEASE CONNECTOR REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#).)
 - Connect the thin part of **SST** (49 T013 102) to **SST** (49 N013 102A) until a click sound is heard.

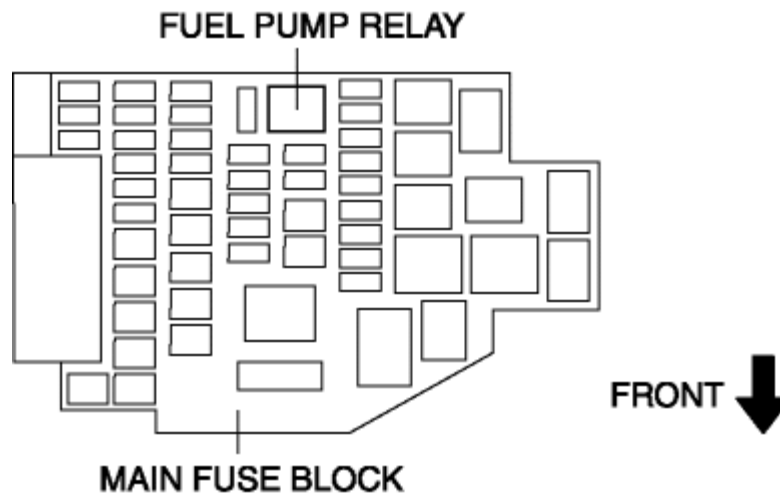


- Connect the thick end of **SST** (49 T013 102) to the quick release connector until a click sound is heard.
- Connect **SST** (49 B019 901B) to **SST** (49 N013 101A).
- Connect **SST** (49 N013 101A) to **SST** (49 N013 102A) until a click sound is heard.

- Turn the **SST** lever so that it is **90°** to the hose as shown in the figure.

6. Verify that the selector is in N or P position.

7. Remove the fuel pump relay.

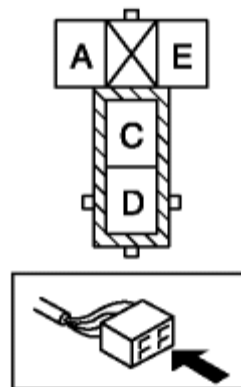


CAUTION:

- Short the specified terminals because shorting the wrong terminal of the main fuse block may cause malfunctions.

8. Using a jumper wire, short fuel pump relay terminals C and D in the main fuse block.

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



9. Connect the negative battery cable and operate the fuel pump. (See **BATTERY REMOVAL/ INSTALLATION [MZI 3.7 V6]**.)

10. Measure the fuel line pressure. (during key on engine off (KOEO))

- If not as specified, inspect the following:

Zero or low

- Fuel pump circuit
- Fuel pump
- Fuel line (clogging)
- Fuel leakage inside pressure regulator

High

- Pressure regulator

Fuel line pressure

- 375—450 kPa {3.83—4.58 kgf/cm², 54.4—65.2 psi}

11. Turn the ignition switch off.

12. Disconnect the negative battery cable to stop the fuel pump. (See [BATTERY REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#).)

13. Measure the fuel hold pressure **after 5 min.**

- If not within the specification, inspect the following:
 - Fuel line for clogging or leakage

Fuel hold pressure

- 200 kPa {2.04 kgf/cm², 29.0 psi}

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

15. Disconnect the fuel pressure gauge and connect the fuel pipe.

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

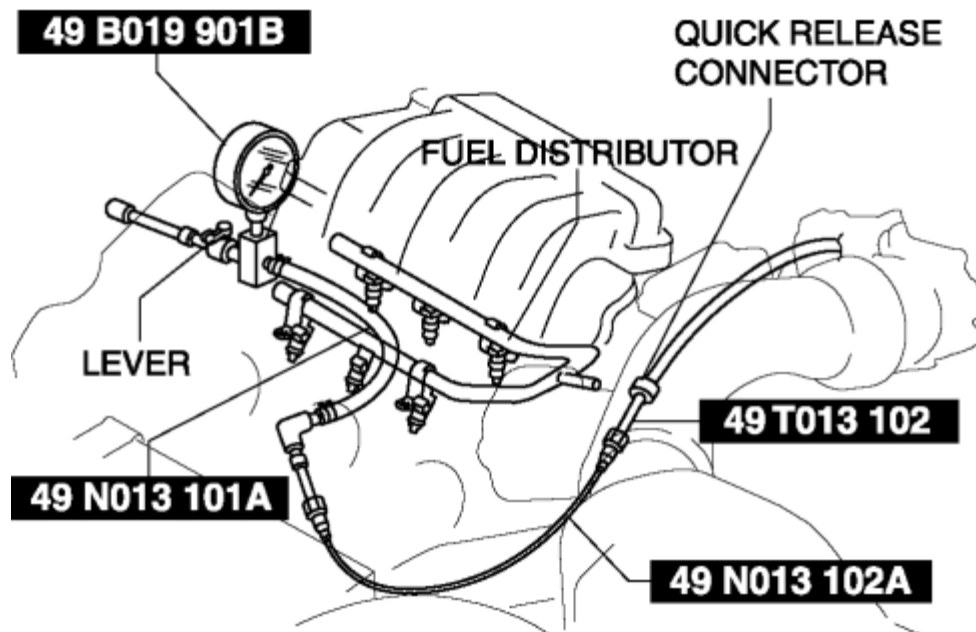
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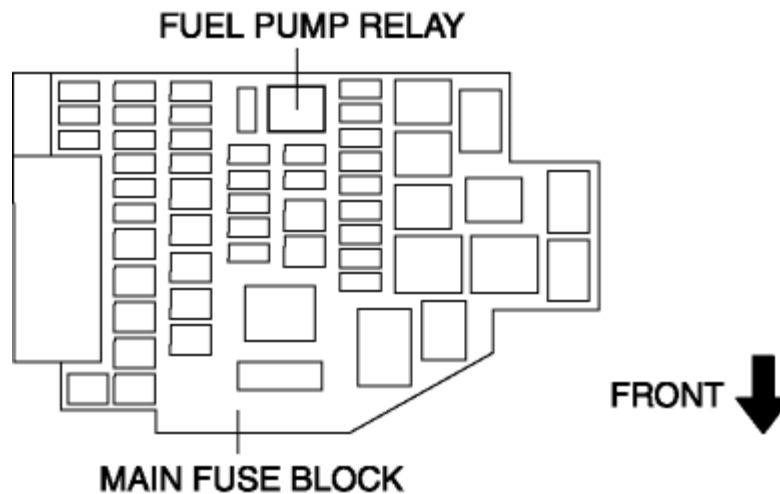


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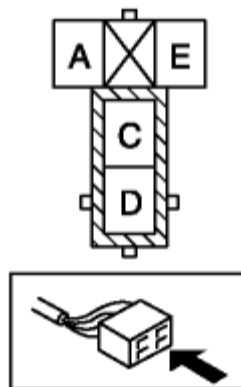


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