

Warning

- Fuel line spills and leakage are dangerous. Fuel can ignite and cause serious injuries or death and damage. When installing the fuel hose, perform “Fuel Leakage Inspection” described below.
- A person charged with static electricity could cause a fire or explosion, resulting in death or serious injury. Before performing work on the fuel system, discharge static electricity by touching the vehicle body.

Fuel Leakage Inspection**Using M-MDS**

1. Connect the M-MDS to the DLC-2.
2. Switch the ignition to ON (engine off).
3. Using the simulation function “FP”, start the fuel pump. (See ON-BOARD DIAGNOSTIC TEST [SKYACTIV-G 2.0].)
4. Verify that there is no fuel leakage from the pressurized parts.

Standard

There shall be no leakage after 5 min.

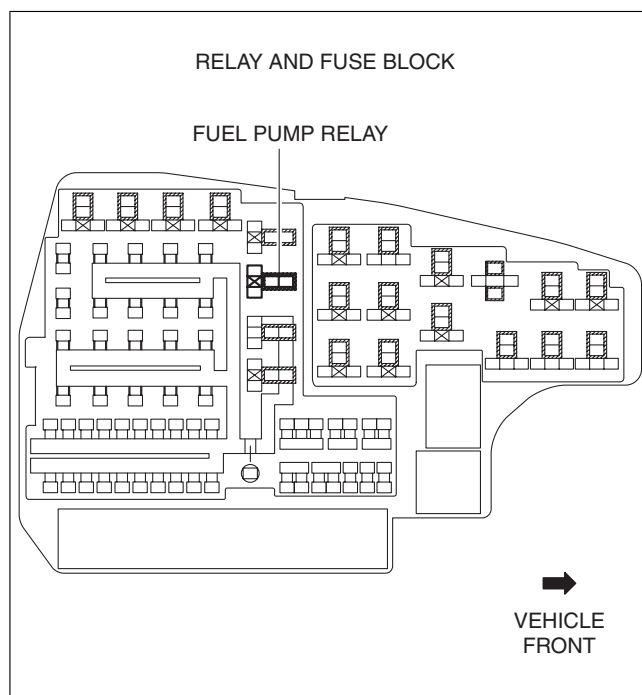
5. In the case of fuel leakage, replace the following components and then recheck using the fuel leakage checking procedure.
 - If there is leakage, replace the fuel hoses and clips.
 - If there is damage on the seal on the fuel pipe side, replace the fuel pipe.

Without using M-MDS

1. Disconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0 (WITHOUT i-stop)].)
2. Remove the fuel pump relay.

Caution

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

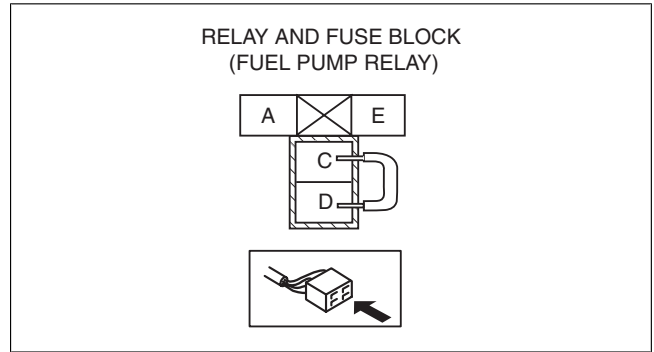


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3. Using a jumper wire, short fuel pump relay terminals C and D in the relay and fuse block.
4. Connect the negative battery cable and operate the fuel pump. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0 (WITHOUT i-stop)].)
5. Verify that there is no fuel leakage from the pressurized parts.

Standard

There shall be no leakage after 5 min.



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6. In the case of fuel leakage, replace the following components and then recheck using the fuel leakage checking procedure.
 - If there is leakage, replace the fuel hoses and clips.
 - If there is damage on the seal on the fuel pipe side, replace the fuel pipe.