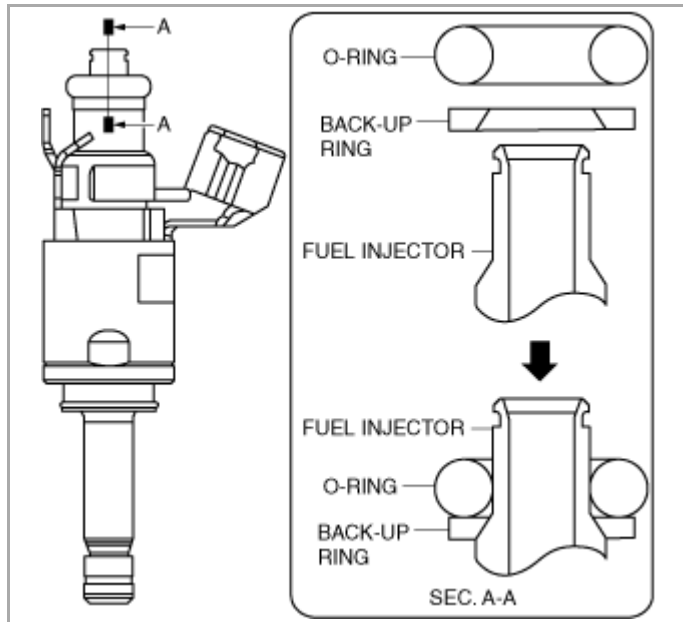


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FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

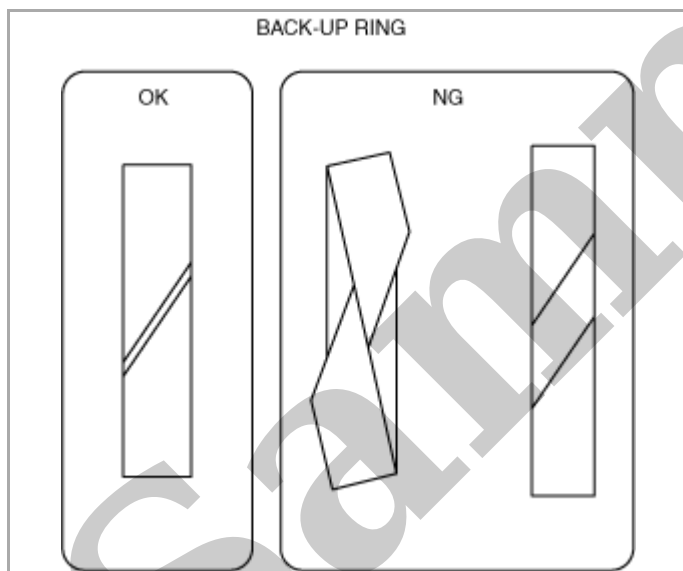
2007 MAZDA 6/Atenza Wagon OEM Service and Repair Workshop Manual

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2. After installing the back-up ring, verify that it is installed correctly.



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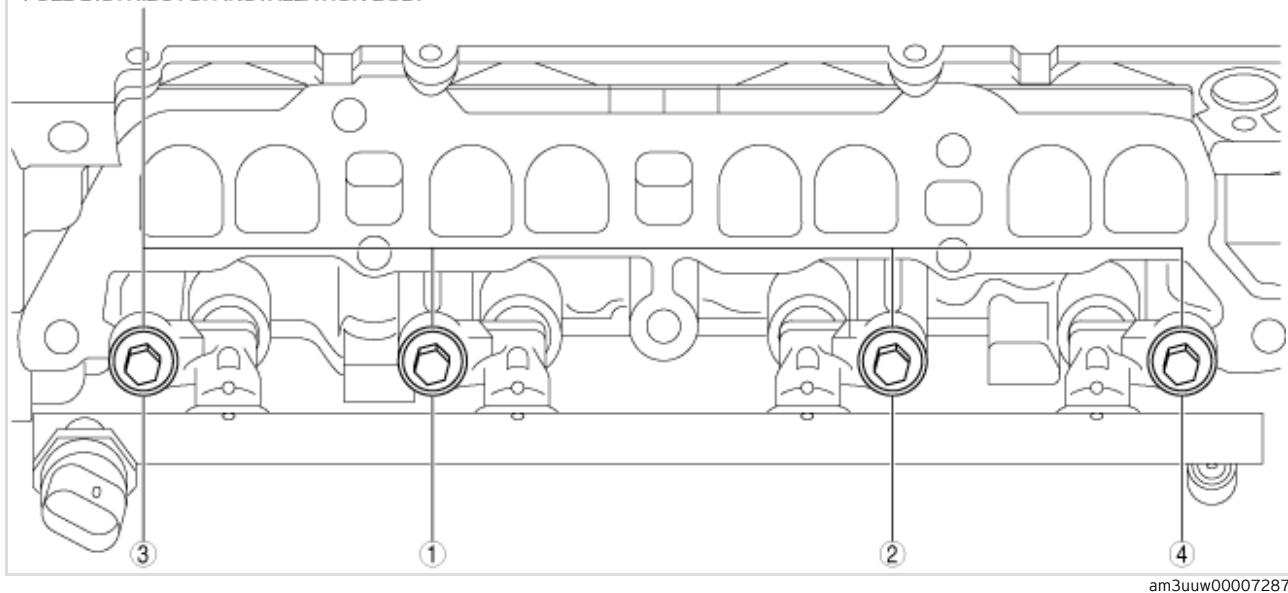
Stopper Ring Installation Note

Note

- Do not insert the stopper ring at an angle, and always press it on straight to the SST.

1. Set a new stopper ring on the SST as shown in the figure being careful of the stopper ring orientation, and press down the fuel injector until a click sound is heard.

FUEL DISTRIBUTOR INSTALLATION BOLT



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4. Turn the fuel distributor installation bolts another half a turn in the order shown in the figure (one turn including the half turn in Step 3).

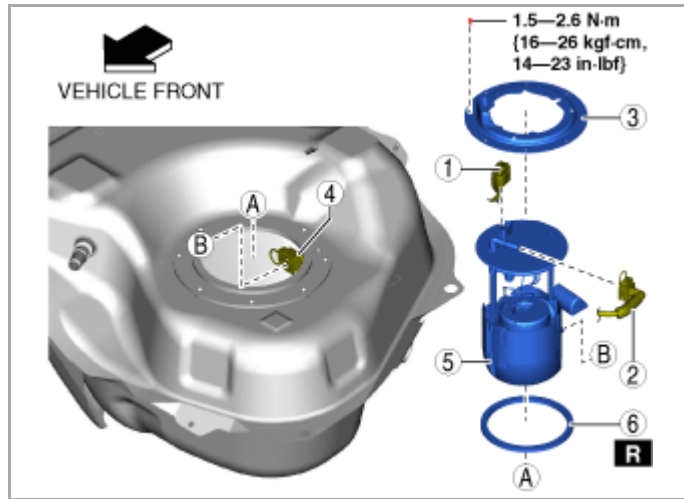
5. Tighten the fuel distributor installation bolts in the order shown in the figure.

Fuel distributor installation bolt tightening torque

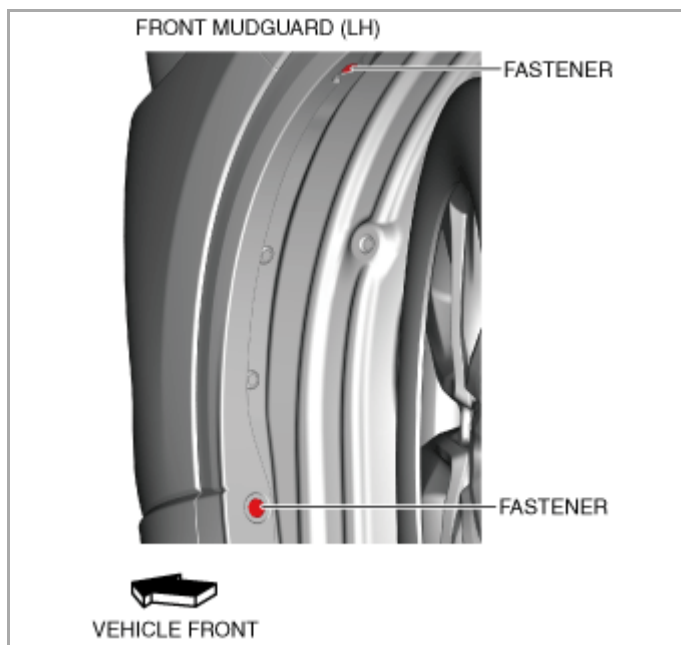
20–26 N·m {2.1–2.6 kgf·m, 15–19 ft·lbf}

Sample

Sample

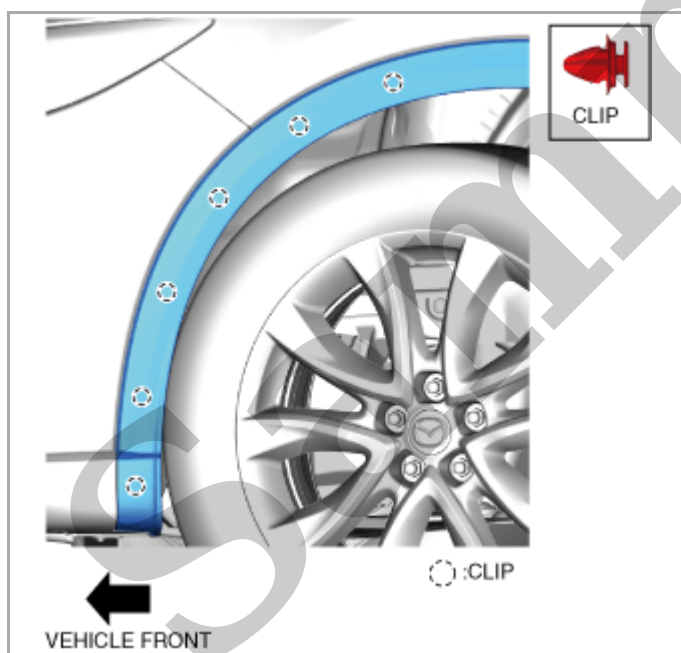


1	Fuel pump unit connector
2	Quick release connector (See QUICK RELEASE CONNECTOR (FUEL SYSTEM) REMOVAL/INSTALLATION [SKYACTIV-G 2.5T] .)
3	Set plate
4	Quick release connector (See QUICK RELEASE CONNECTOR (FUEL SYSTEM) REMOVAL/INSTALLATION [SKYACTIV-G 2.5T] .)
5	Fuel pump unit
6	Packing



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5.Remove the clips shown in the figure and detach the front over fender (LH) from the front bumper.



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6.Remove the fasteners.

HIGH PRESSURE FUEL PUMP REMOVAL/INSTALLATION [SKYACTIV-G 2.5T]

SM2897441

id0114q480140

Replacement Part

High pressure fuel pipe	Seal rubber	O-ring
Quantity: 1	Quantity: 1	Quantity: 1
Location of use: High pressure fuel pump	Location of use: High pressure fuel pump	Location of use: High pressure fuel pump
Gasket		
Quantity: 1	-	-
Location of use: Rear housing		

Oil and Chemical Type

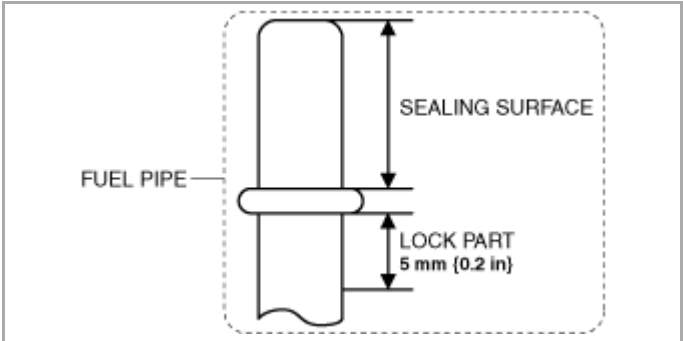
Engine oil	Silicone sealant
Type: Recommended oil	Type: TB1217D or equivalent

Warning

- Highly pressurized fuel may spray out if the fuel line is cut. Due to the following dangers occurring with a fuel spray, always complete the "Fuel Line Safety Procedure" to prevent the fuel from spraying.
 - Fuel may cause irritation if it comes in contact with skin and eyes.
 - If fuel ignites and causes a fire, it may lead to serious injury or death, and damage to property and facilities.
- A person charged with static electricity could cause a fire or explosion, resulting in death or serious injury. Before draining fuel, make sure to discharge static electricity by touching the vehicle body.

Caution

- Do not disassemble the high pressure fuel pump.
- Do not damage the sealing surface or the lock part of the fuel pipe.



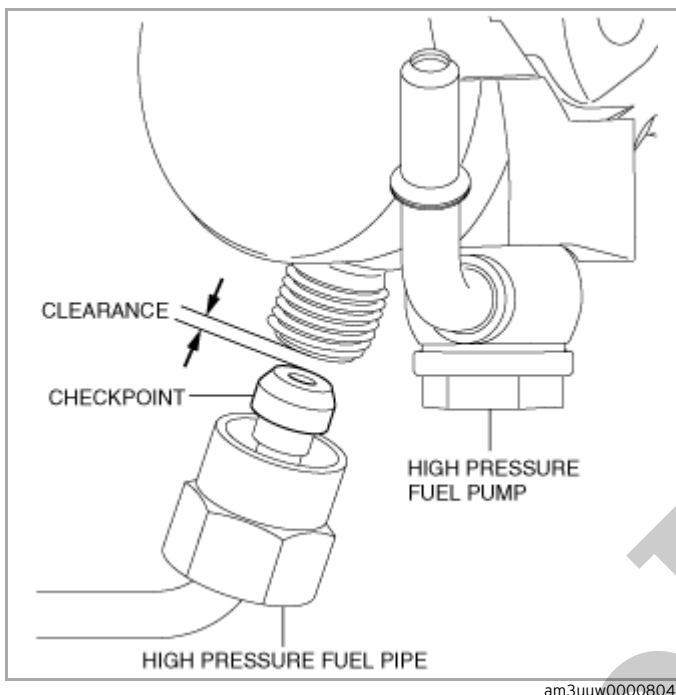
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- Damage or deformation to the end of the high pressure line pipe may cause fuel leakage.
- Disconnecting/connecting the quick release connector without cleaning it may cause damage to the fuel pipe and quick release connector. Always clean the quick release connector joint area before disconnecting/connecting using a cloth or soft brush, and make sure that it is free of foreign material.

1.Complete the "BEFORE SERVICE PRECAUTION". (See [BEFORE SERVICE PRECAUTION \[SKYACTIV-G 2.5T\]](#).)

Caution

- When removing the high pressure fuel pipe, the end of the high pressure fuel pipe may be damaged because the clearance between the high pressure fuel pump and the high pressure fuel pipe is small. Be very careful when handling the end of the high pressure fuel pipe so as not to damage it.



- If the high pressure fuel pump is removed with the high pressure fuel pipe installed, the high pressure fuel pipe and fuel distributor may be damaged because of the excessive force caused by the spring force of the high pressure fuel pump. The high pressure fuel pipe and fuel distributor must be replaced if they are damaged. Always remove the high pressure fuel pipe before removing the high pressure fuel pump.

1.Remove the high pressure fuel pipe.

Rear Housing Removal Note

1.Remove the battery tray. (See [BATTERY REMOVAL/INSTALLATION \[SKYACTIV-G 2.5T\].](#))

2.Disconnect the turbocharger air outlet pipe from the dynamic pressure turbo. (See [INTAKE-AIR SYSTEM REMOVAL/INSTALLATION \[SKYACTIV-G 2.5T\].](#))

3.Remove the vacuum pump. (See [VACUUM PUMP REMOVAL/INSTALLATION \[SKYACTIV-G 2.5T\].](#))

4.Remove the exhaust CMP sensor. (See [CAMSHAFT POSITION \(CMP\) SENSOR REMOVAL/INSTALLATION \[SKYACTIV-G 2.5T\].](#))

5.Remove the ECT sensor No.1. (See [ENGINE COOLANT TEMPERATURE \(ECT\) SENSOR REMOVAL/INSTALLATION \[SKYACTIV-G 2.5T\].](#))

6.Remove the rear housing.

2.Temporarily tighten the high pressure fuel pipe bracket installation bolt.

3.Tighten the nuts on both ends.

Tightening torque

17–23 N·m {1.8–2.3 kgf·m, 13–16 ft·lbf}

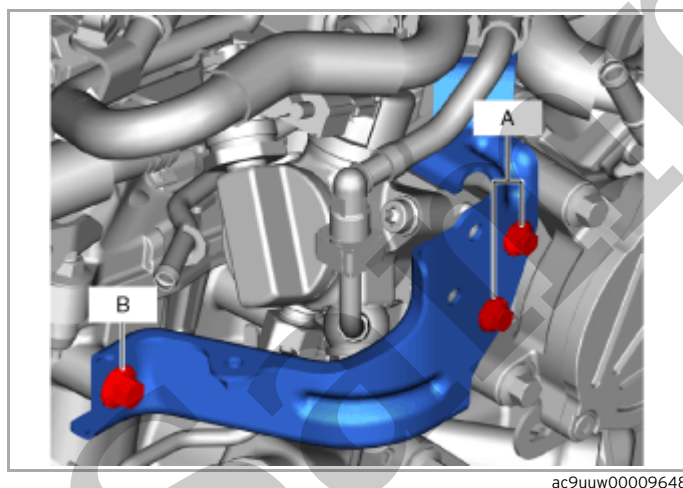
4.Tighten the high pressure fuel pipe bracket installation bolt.

Tightening torque

8–11 N·m {82–112 kgf·cm, 71–97 in·lbf}

Protector Installation Note

1.Install the protector.

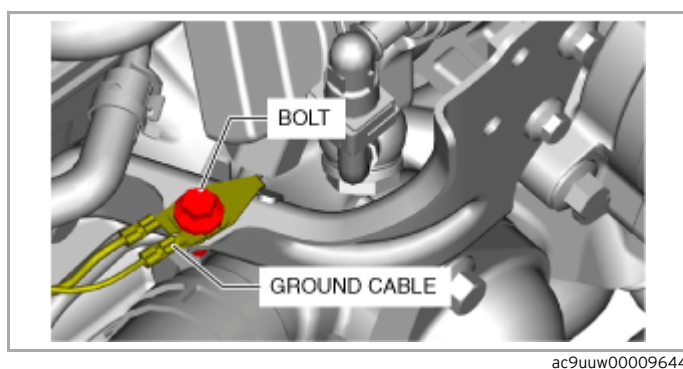


Tightening torque

A: 8–11 N·m {82–112 kgf·cm, 71–97 in·lbf}

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

2.Install the ground cable to the protector.



Tightening torque