

Your Ultimate Source for OEM Repair Manuals

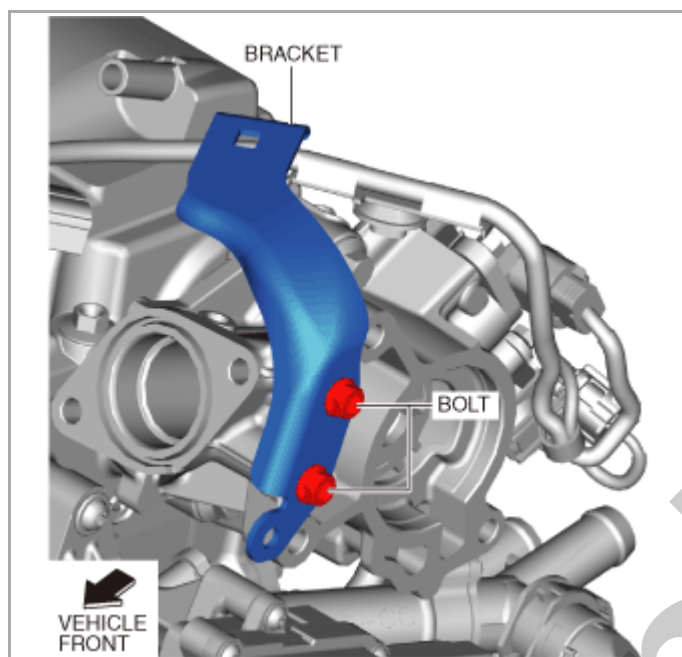
FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

2007 MAZDA Tribute OEM Service and Repair Workshop Manual

[Go to manual page](#)

4. Connect the exhaust CMP sensor connector.

5. Install the bracket shown in the figure.

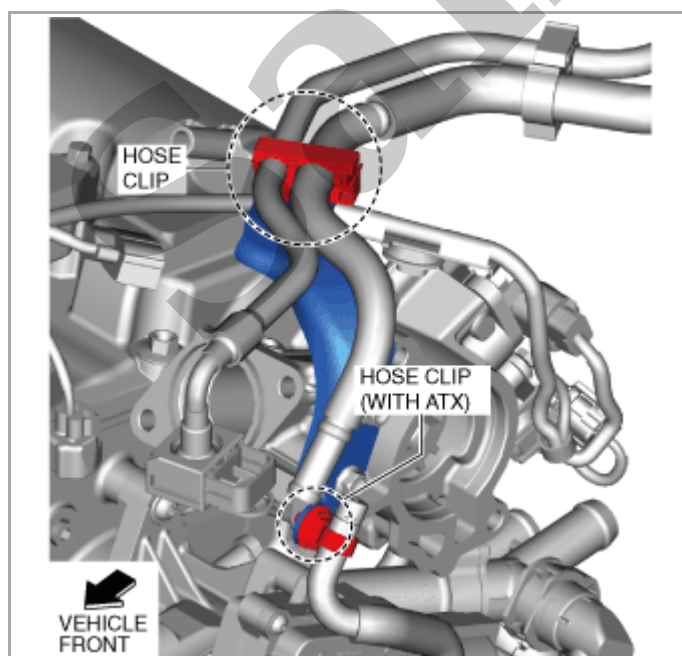


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Tightening torque

16–22 N·m {1.7–2.2 kgf·m, 12–16 ft·lbf}

6. Connect the hose clips shown in the figure.



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7. Install the vacuum pump. (See [VACUUM PUMP REMOVAL/INSTALLATION \[SKYACTIV-G 2.5 \(WITHOUT CYLINDER DEACTIVATION\)\]](#).)

HIGH PRESSURE FUEL PUMP INSPECTION [SKYACTIV-G 2.5 (WITHOUT CYLINDER DEACTIVATION)]

SM2897484

id0114s180150

Note

- The following vacuum values are indicated by relative pressure from the fuel pressure sensor.

1. Verify that the fuel pressure sensor is normal. (See [FUEL PRESSURE SENSOR INSPECTION \[SKYACTIV-G 2.5 \(WITHOUT CYLINDER DEACTIVATION\)\]](#).)

2. Connect the M-MDS to the DLC-2.

3. Switch the ignition ON (engine on).

4. Display PID FUEL_PRES using the M-MDS.

5. Verify that PID FUEL_PRES is the following value during idling.

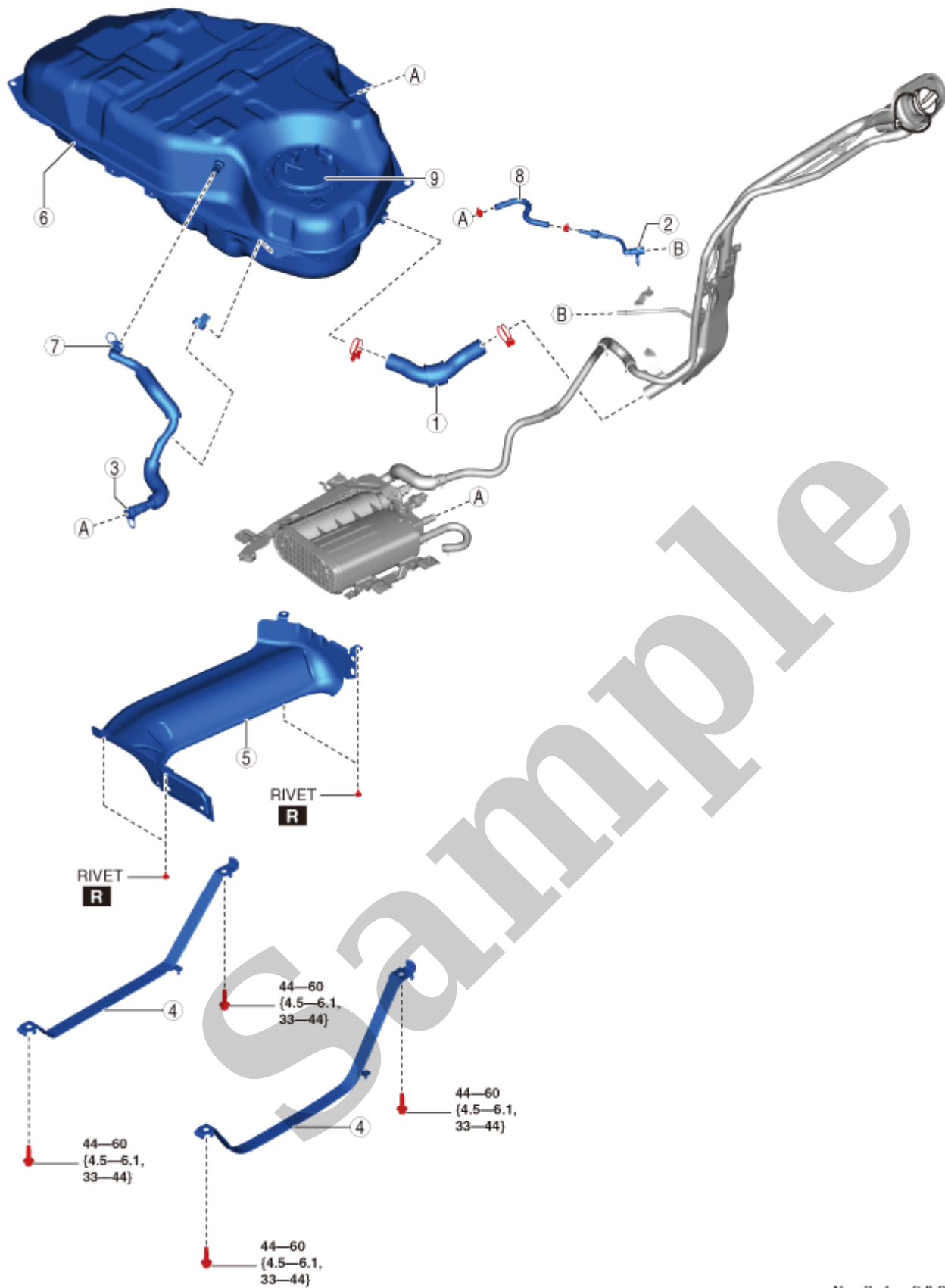
approx. 10.0 MPa {102 kgf/cm², 1450 psi}

— If it cannot be verified, perform the following inspections.

1. Perform the fuel line pressure inspection, verify that the fuel pressure value on the low pressure side is normal, then go to the next step. (See [FUEL LINE PRESSURE INSPECTION \[SKYACTIV-G 2.5 \(WITHOUT CYLINDER DEACTIVATION\)\]](#).)

— If the fuel pressure value is not normal, repair the malfunctioning location using the fuel line pressure inspection, and perform Step 5 again.

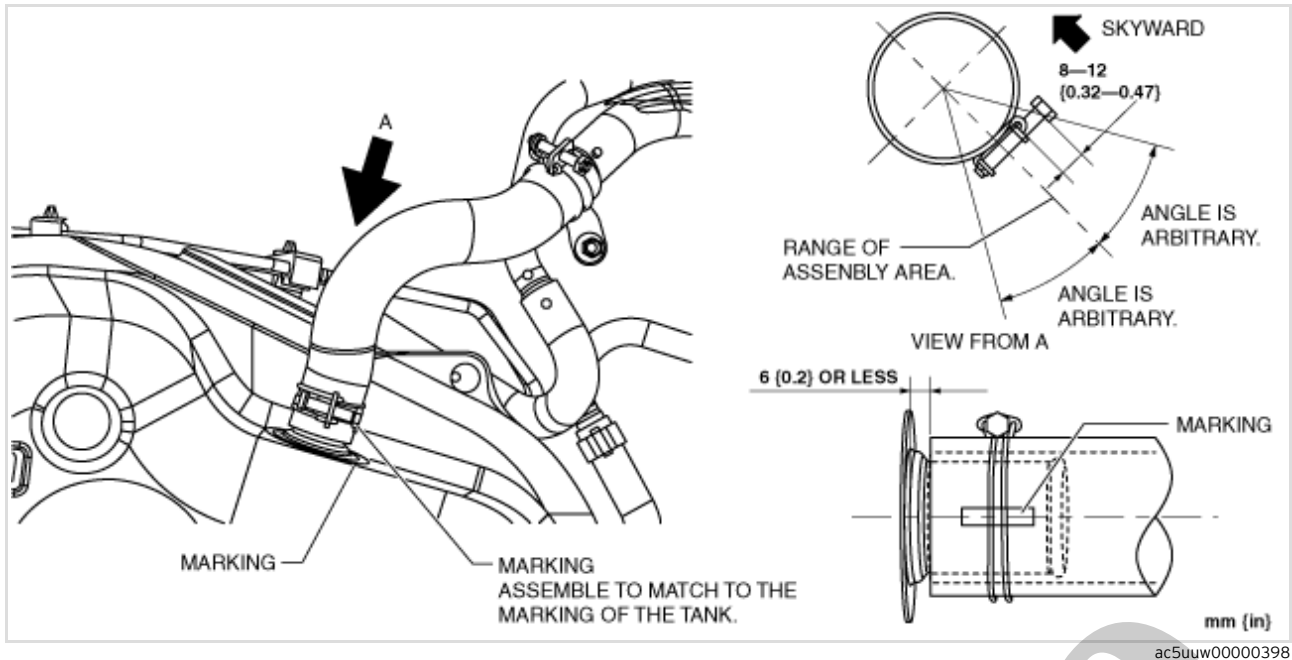
2. Replace the high pressure fuel pump. (See [HIGH PRESSURE FUEL PUMP REMOVAL/INSTALLATION \[SKYACTIV-G 2.5 \(WITHOUT CYLINDER DEACTIVATION\)\]](#).)



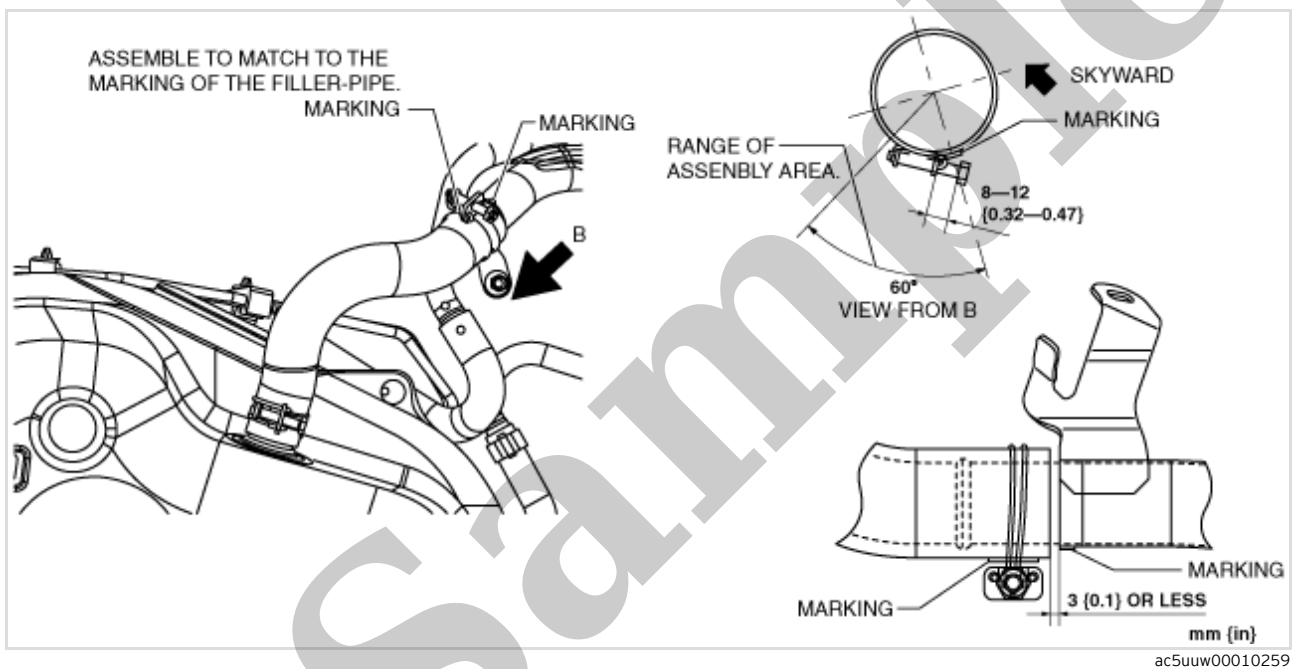
N·m {kgf·m, ft·lbf}

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1	Joint hose (See Joint hose installation note.)
2	Breather pipe (See QUICK RELEASE CONNECTOR (FUEL SYSTEM) REMOVAL/INSTALLATION [SKYACTIV-G 2.5 (WITHOUT CYLINDER DEACTIVATION)] .)
3	Evaporative hose (charcoal canister side) (See QUICK RELEASE CONNECTOR (EMISSION SYSTEM) REMOVAL/INSTALLATION [SKYACTIV-G 2.5 (WITHOUT CYLINDER DEACTIVATION)] .)
4	Fuel tank strap

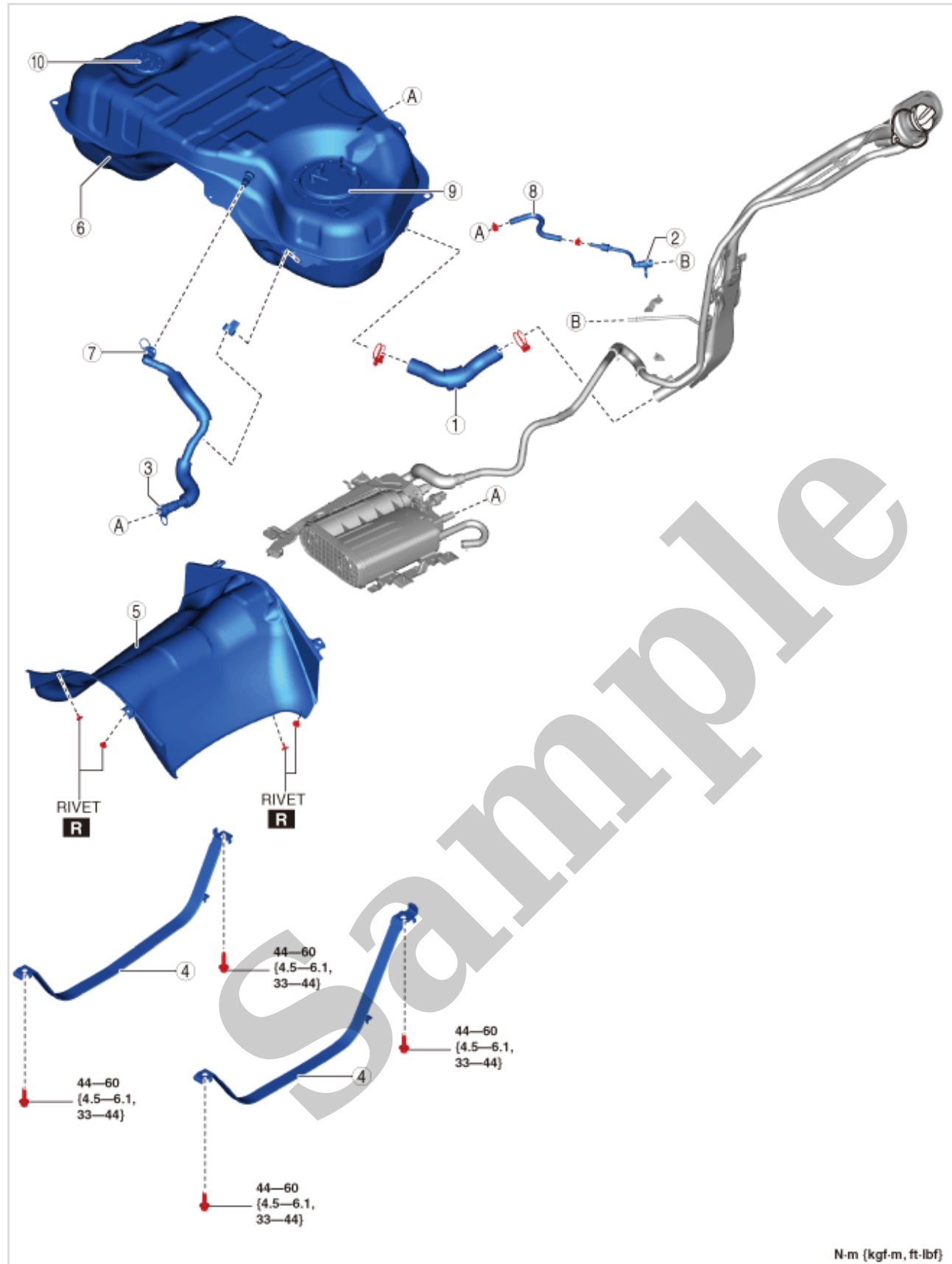


Fuel-filler pipe side



AWD

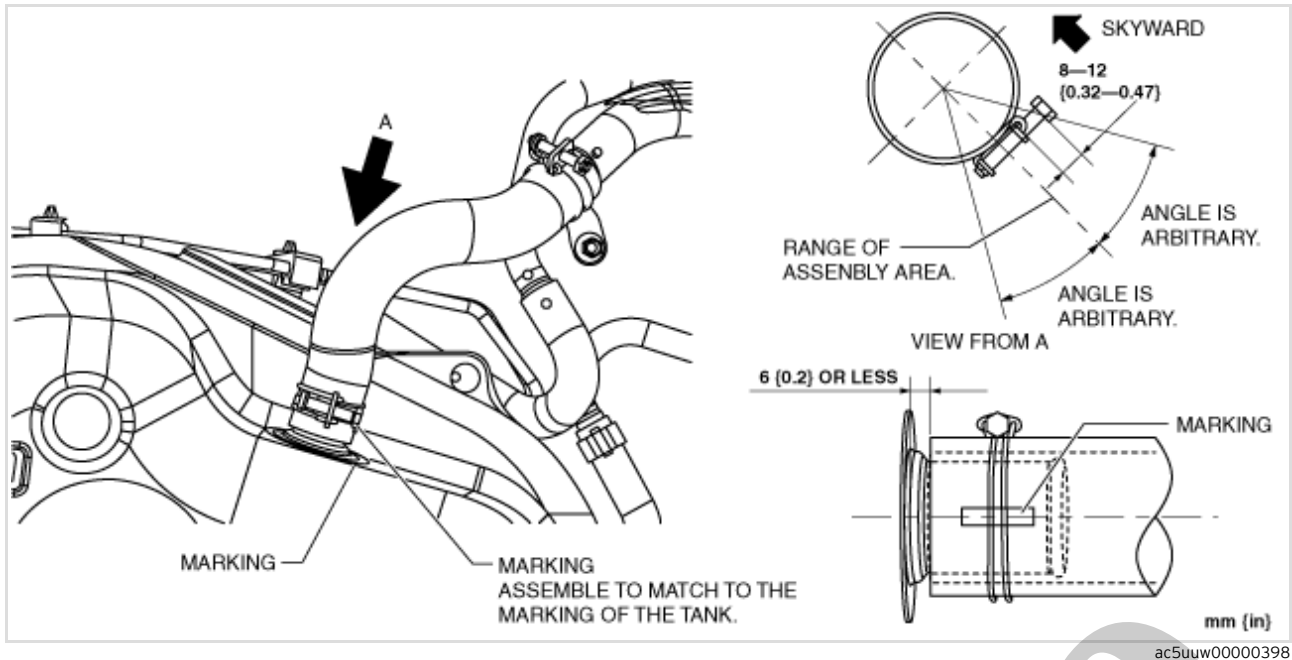
1. Level the vehicle.
2. Complete the "BEFORE SERVICE PRECAUTION". (See [BEFORE SERVICE PRECAUTION \[SKYACTIV-G 2.5 \(WITHOUT CYLINDER DEACTIVATION\)\]](#).)
3. Drain the fuel. (See [FUEL DRAINING PROCEDURE \[SKYACTIV-G 2.5 \(WITHOUT CYLINDER DEACTIVATION\)\]](#).)
4. Remove the rear seat cushion. (See [REAR SEAT CUSHION REMOVAL/INSTALLATION](#).)



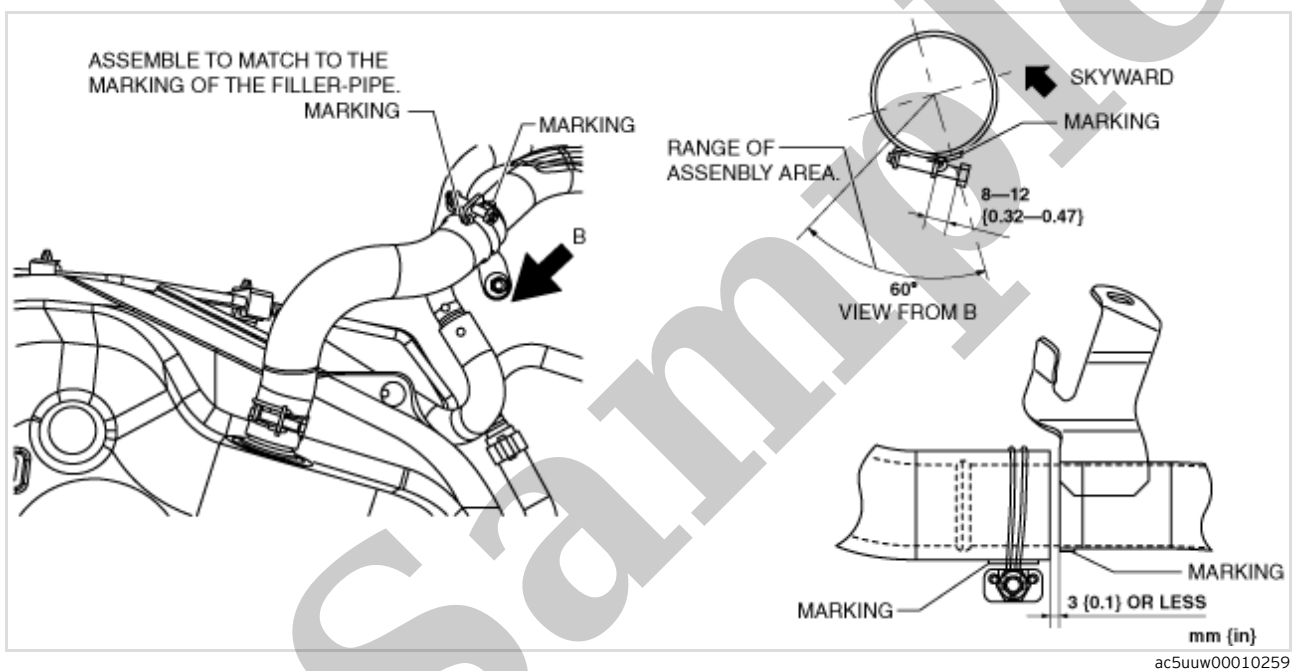
N·m {kgf-m, ft-lbf}

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1	Joint hose (See Joint hose installation note.)
2	Breather pipe (See QUICK RELEASE CONNECTOR (FUEL SYSTEM) REMOVAL/INSTALLATION [SKYACTIV-G 2.5 (WITHOUT CYLINDER DEACTIVATION)] .)
3	Evaporative hose (charcoal canister side) (See QUICK RELEASE CONNECTOR (EMISSION SYSTEM) REMOVAL/INSTALLATION [SKYACTIV-G 2.5 (WITHOUT CYLINDER DEACTIVATION)] .)
4	Fuel tank strap



Fuel-filler pipe side



Except U.S.A., Canada and Israel

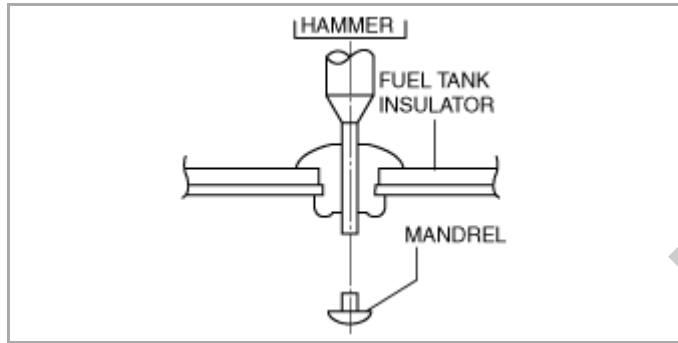
1. Level the vehicle.
2. Complete the “BEFORE SERVICE PRECAUTION”. (See **BEFORE SERVICE PRECAUTION [SKYACTIV-G 2.5 (WITHOUT CYLINDER DEACTIVATION)]**.)
3. Drain the fuel. (See **FUEL DRAINING PROCEDURE [SKYACTIV-G 2.5 (WITHOUT CYLINDER DEACTIVATION)]**.)
4. Remove the rear seat cushion. (See **REAR SEAT CUSHION REMOVAL/INSTALLATION**.)

Fuel tank insulator removal note

Note

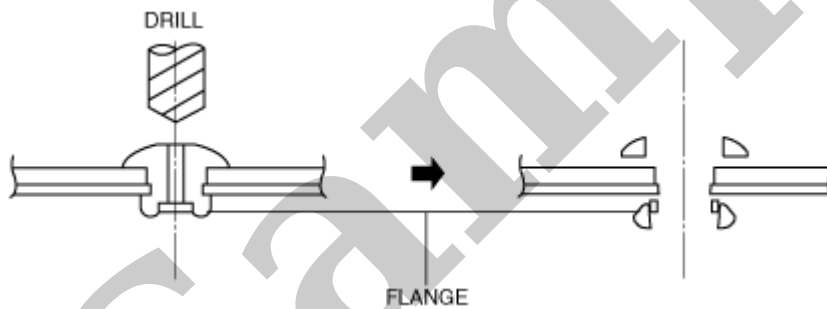
- The fuel tank insulator are installed using rivets.

1. Push out the mandrel using a hammer and punch (2–2.8 mm {0.08–0.11 in} diameter).



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2. Remove the flange using a drill (5 mm {0.20 in} drill bit).



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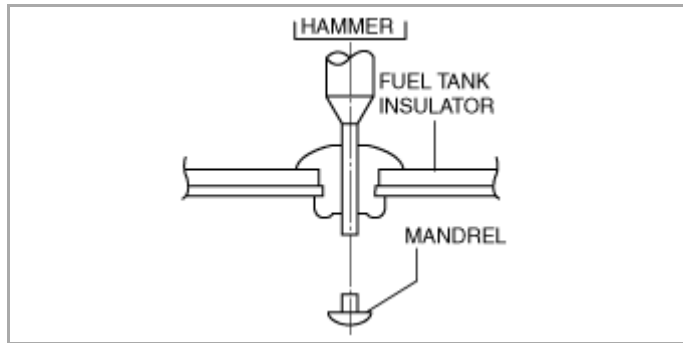
Fuel tank removal note

1. Disconnect the breather hose from the fuel-filler pipe.

2. Disconnect the evaporative hose from the check valve.

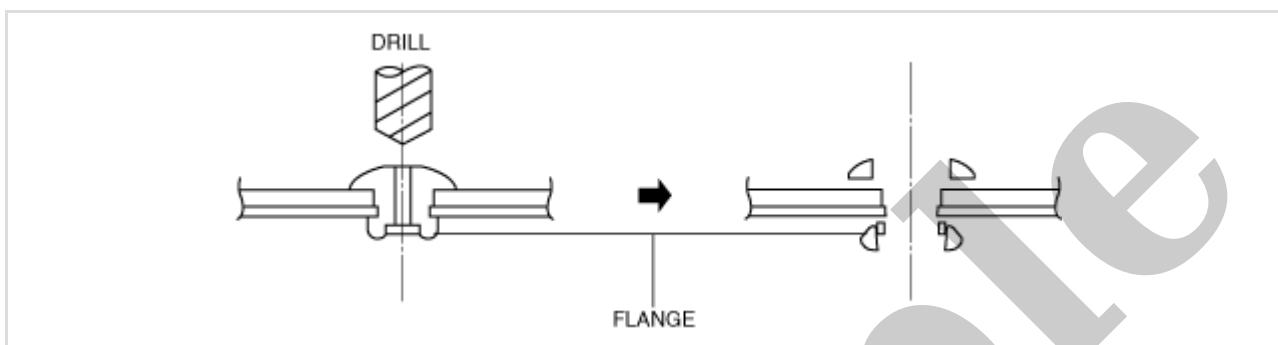
3. Remove the following parts as single unit.

- Breather hose
- Evaporative hose
- Fuel pump unit
- Fuel tank



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2. Remove the flange using a drill (5 mm {0.20 in} drill bit).



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Fuel tank removal note

1. Disconnect the breather hose from the fuel-filler pipe.

2. Disconnect the evaporative hose from the check valve.

3. Remove the following parts as single unit.

- Breather hose
- Evaporative hose
- Fuel pump unit
- Fuel tank

4. Remove the fuel tank.

Evaporative hose installation note

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

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 ON (engine off).
- 3.Using the simulation function “FP”, start the fuel pump. (See **ON-BOARD DIAGNOSTIC TEST [PCM (SKYACTIV-G 2.5 (WITHOUT CYLINDER DEACTIVATION))]**.)
- 4.Verify that there is no fuel leakage from the serviced 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.Turn the steering wheel to the right to a position allowing removal of the relay box (LH).
- 2.Disconnect the negative battery terminal. (See **NEGATIVE BATTERY TERMINAL DISCONNECTION/CONNECTION**.)
- 3.Remove the fuel-filler cap to release the pressure inside the fuel tank.