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2008 MAZDA 5 / Premacy OEM Service and Repair Workshop Manual

[Go to manual page](#)

32–42 N·m {3.3–4.2 kgf·m, 24–30 ft·lbf}

9.Tighten the common rail.

Common rail tightening torque

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

10.Tighten the fuel feed pipe.

Fuel feed pipe tightening torque

Supply pump side: 18–22 N·m {1.9–2.2 kgf·m, 14–16 ft·lbf}

Lower case side: 22–26 N·m {2.3–2.6 kgf·m, 17–19 ft·lbf}

Sample

EXHAUST SYSTEM INSPECTION [SKYACTIV-G 2.5T]

SM2897527

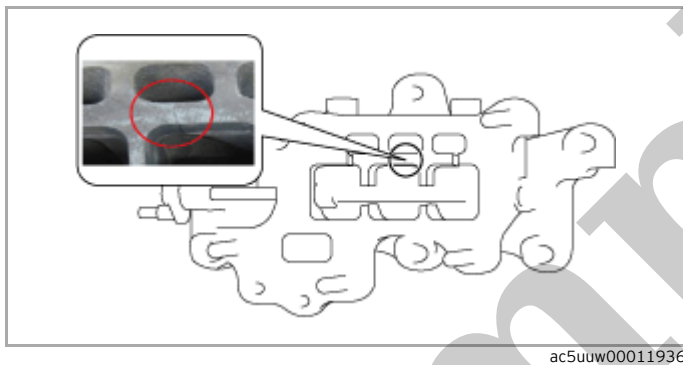
id0115q480010

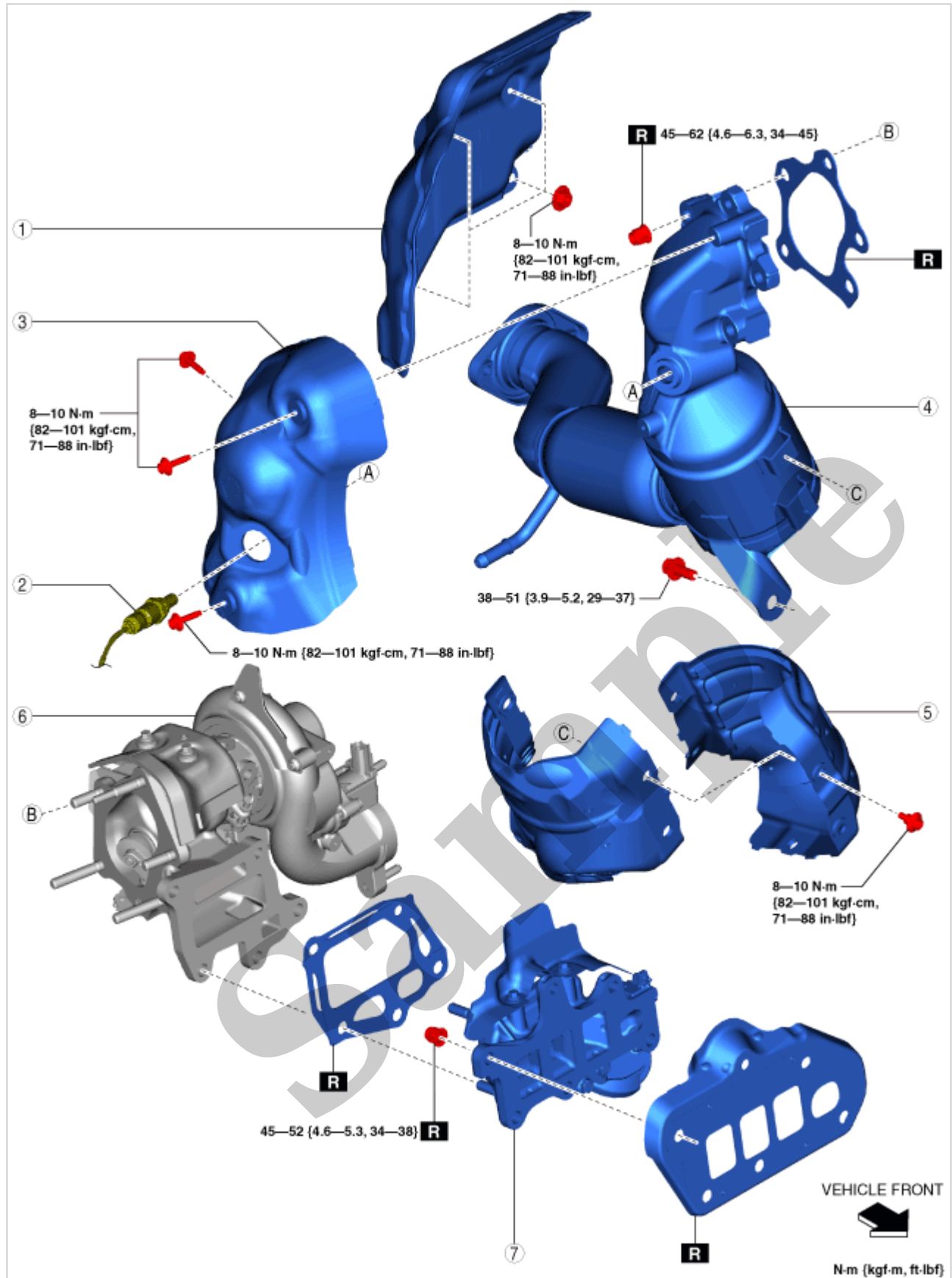
1. Start the engine and inspect each exhaust system component for exhaust gas leakage.

- If there is leakage, repair or replace the appropriate component. (See [EXHAUST SYSTEM REMOVAL/INSTALLATION \[SKYACTIV-G 2.5T\]](#).)

Criteria for Determining Crack in Exhaust Manifold

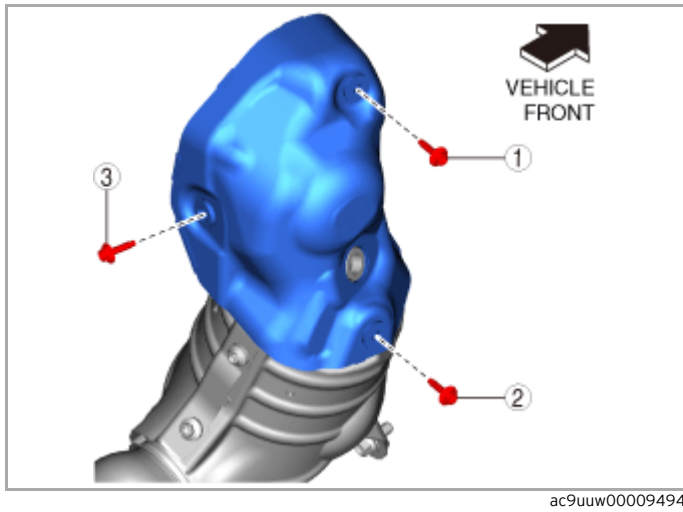
- If there is a crack in the location shown in the figure, there is no problem with the exhaust manifold and it does not need to be replaced.





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1	Insulator (See Insulator removal note (2WD).) (See Insulator installation note (2WD).)
2	A/F sensor (See AIR FUEL RATIO (A/F) SENSOR REMOVAL/INSTALLATION [SKYACTIV-G 2.5T].)
3	WU-TWC insulator No.1 (See WU-TWC insulator No.1 installation note (2WD).)



2.Tighten the bolts in the order shown in the figure.

Tightening torque

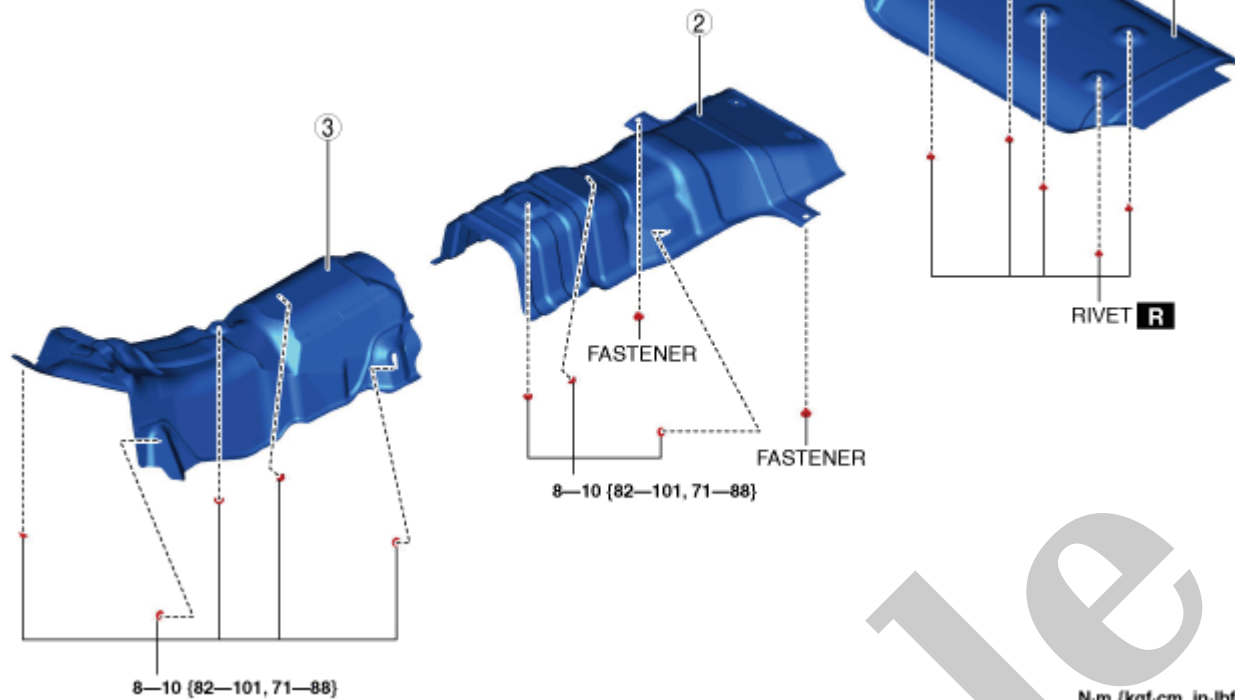
8–10 N·m {82–101 kgf·cm, 71–88 in·lbf}

Insulator installation note (2WD)

- 1.Install the insulator.
- 2.Install the front under cover No.2. (See [FRONT UNDER COVER No.2 REMOVAL/INSTALLATION.](#))
- 3.Install the cowl panel. (See [COWL PANEL REMOVAL/INSTALLATION.](#))
- 4.Install the plug hole plate. (See [PLUG HOLE PLATE REMOVAL/INSTALLATION \[SKYACTIV-G 2.5T\].](#))

Tunnel member installation note (2WD)

- 1.Tighten bolt A shown in the figure to the specified torque.



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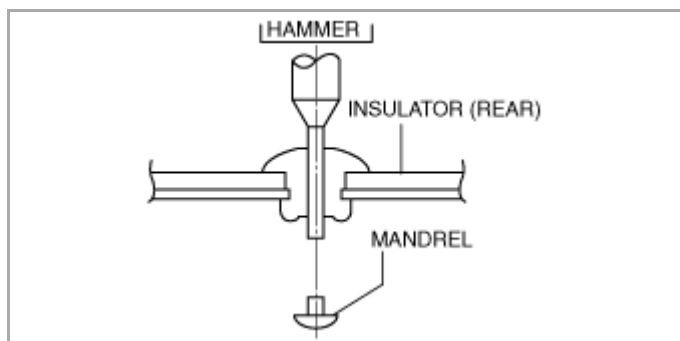
1	Insulator (rear) (See Insulator (rear) removal note (2WD).) (See Insulator (rear) installation note (2WD).)
2	Insulator (middle) (See Insulator (middle) installation note (2WD).)
3	Insulator (front) (See Insulator (front) installation note (2WD).)

Insulator (rear) removal note (2WD)

Note

- The insulator (rear) are installed using rivets.

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

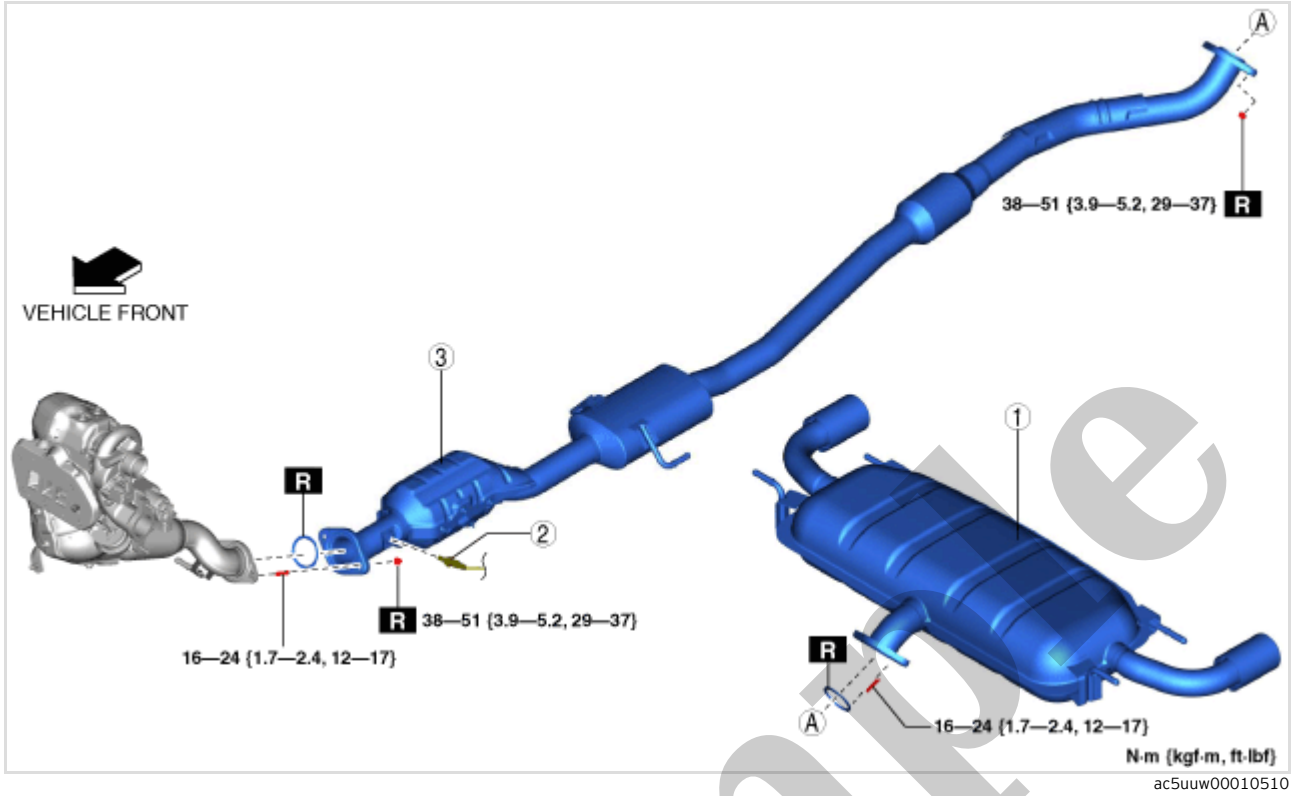


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2.Remove the flange using a drill (5 mm {0.20 in} drill bit).

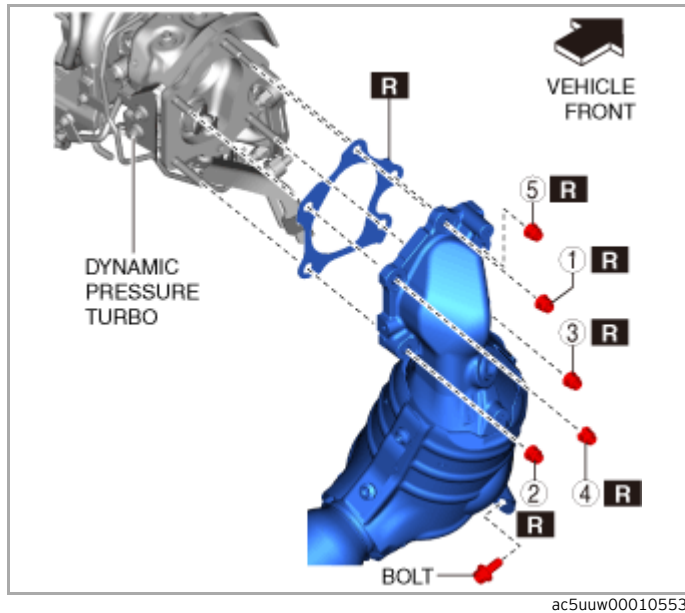
4.Install in the reverse order of removal.

Step 1



1	Main silencer
2	HO2S (See HEATED OXYGEN SENSOR (HO2S) REMOVAL/INSTALLATION [SKYACTIV-G 2.5T].)
3	TWC

Step 2



2.Tighten the WU-TWC installation nuts in the order shown in the figure to the specified torque.

Tightening torque

45–62 N·m {4.6–6.3 kgf·m, 34–45 ft·lbf}

3.Temporarily tighten the WU-TWC installation bolt.

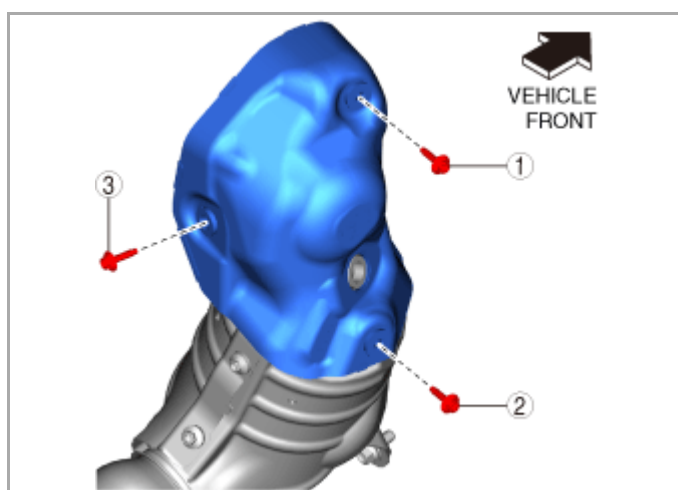
4.Tighten the WU-TWC installation bolt to the specified torque.

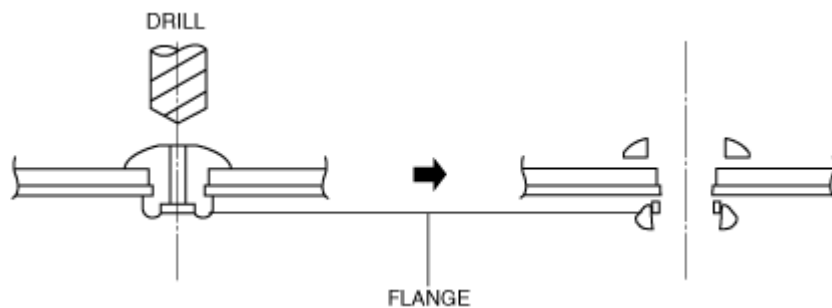
Tightening torque

38–51 N·m {3.9–5.2 kgf·m, 29–37 ft·lbf}

WU-TWC insulator No.1 installation note (AWD)

1.Temporarily tighten the WU-TWC insulator No.1 installation bolts.

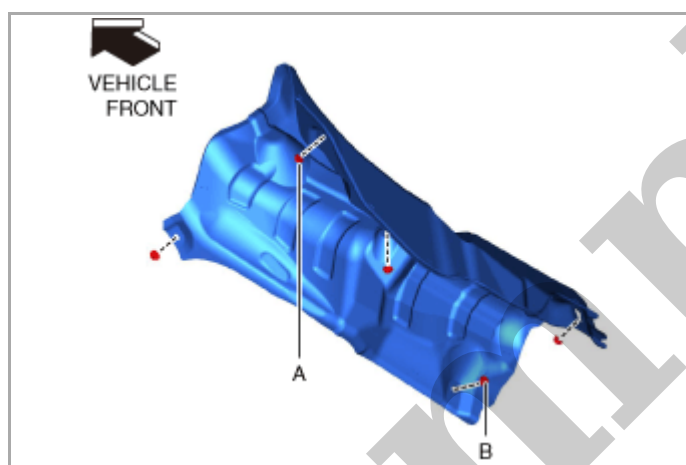




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Insulator (front) installation note (AWD)

1. Tighten nut A shown in the figure to the specified torque.



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Tightening torque

8–10 N·m {82–101 kgf·cm, 71–88 in·lbf}

2. Tighten nut B shown in the figure to the specified torque.

Tightening torque

8–10 N·m {82–101 kgf·cm, 71–88 in·lbf}

3. Tighten the remaining nuts to the specified torque.

Tightening torque

8–10 N·m {82–101 kgf·cm, 71–88 in·lbf}

Insulator (middle) installation note (AWD)

1. Install the fasteners shown in the figure.

EXHAUST SYSTEM REMOVAL/INSTALLATION [SKYACTIV-G 2.5 (WITH CYLINDER DEACTIVATION)]

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Replacement Part

Gasket	Nut	Exhaust manifold gasket
Quantity: 1	Quantity: 4	Quantity: 1
Location of use: Main silencer	Location of use: TWC	Location of use: Exhaust manifold
Gasket		
Quantity: 1	-	-
Location of use: Exhaust manifold		

Warning

- A hot engine and exhaust system can cause severe burns. Turn off the engine and wait until they are cool before removing the exhaust system.

2WD

- 1.Disconnect the negative battery terminal. (See [NEGATIVE BATTERY TERMINAL DISCONNECTION/CONNECTION.](#))
- 2.Remove in the order indicated in the table.
- 3.Remove the insulator. (See [Exhaust system insulator removal/installation.](#))
- 4.Install in the reverse order of removal.

Step 1