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2008 MAZDA 6/Atenza Sedan OEM Service and Repair Workshop Manual

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Note

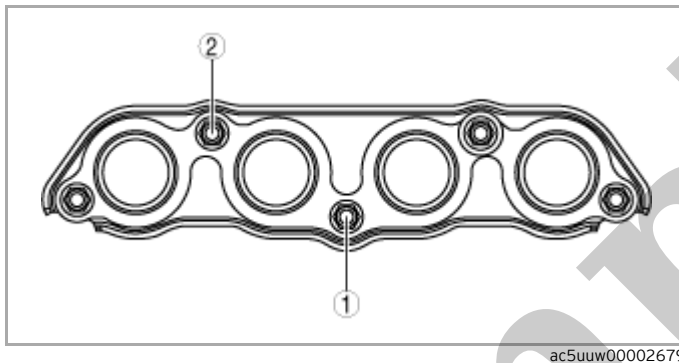
- When removing the exhaust manifold, the bracket installed under the exhaust manifold does not have to be removed. Remove the exhaust manifold with the bracket installed.

1.Remove the front crossmember. (See **FRONT CROSSMEMBER REMOVAL/INSTALLATION.**)

2.Remove the exhaust manifold.

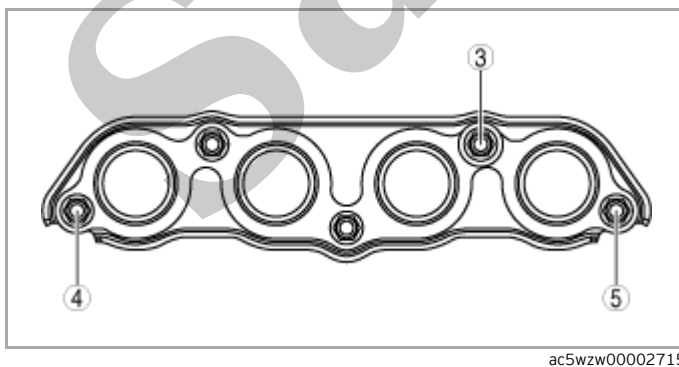
Exhaust manifold installation note

1.Temporarily tighten the exhaust manifold installation nuts (1) and (2) shown in the figure by hand.



2.Tighten the exhaust manifold installation nuts (1) and (2) shown in the figure to 33–53 N·m {3.4–5.4 kgf·m, 25–39 ft·lbf}.

3.Temporarily tighten the exhaust manifold installation nuts (3) to (5) shown in the figure by hand.

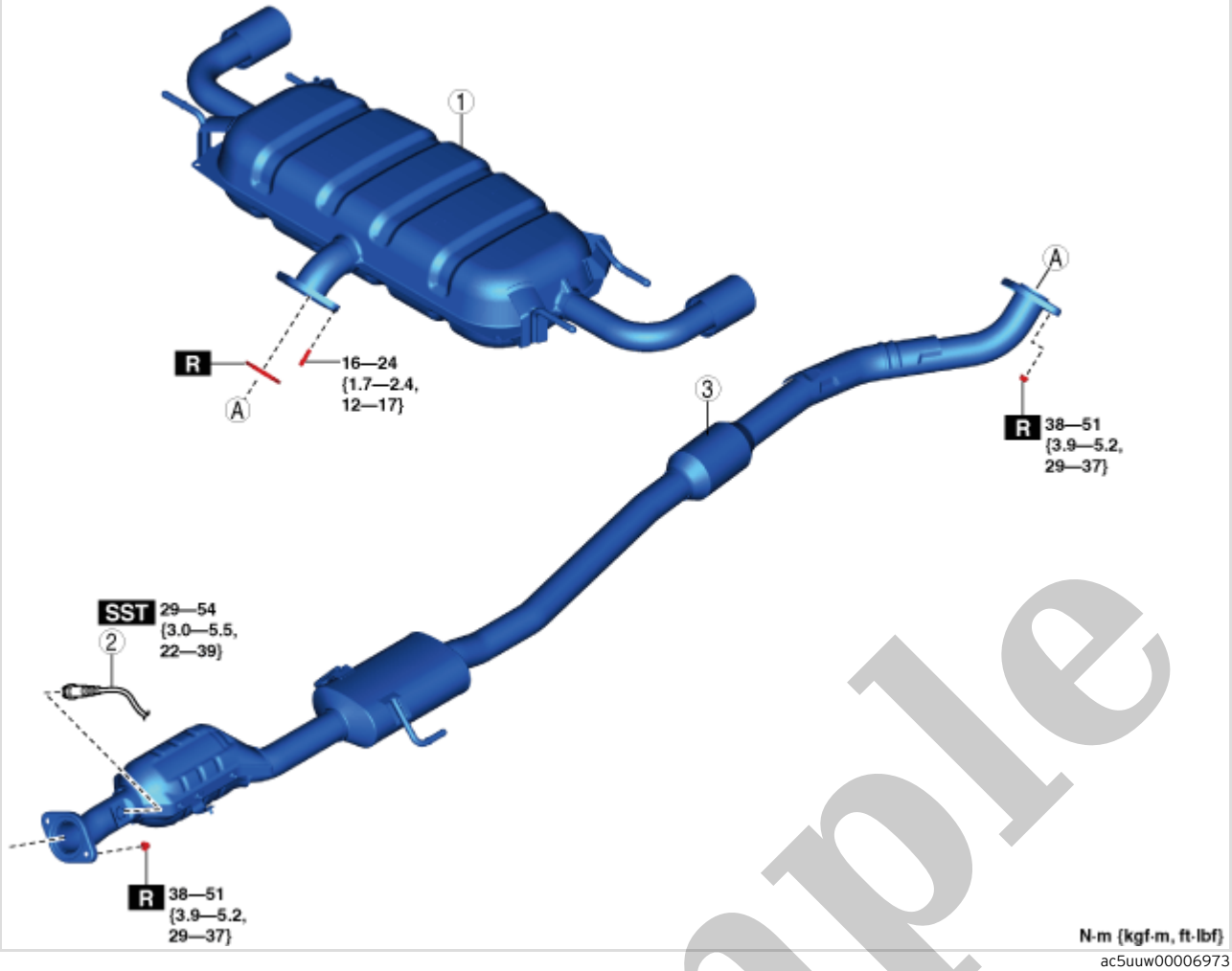


4.Tighten the exhaust manifold installation nuts (3) to (5) shown in the figure.

Exhaust manifold installation nut tightening torque

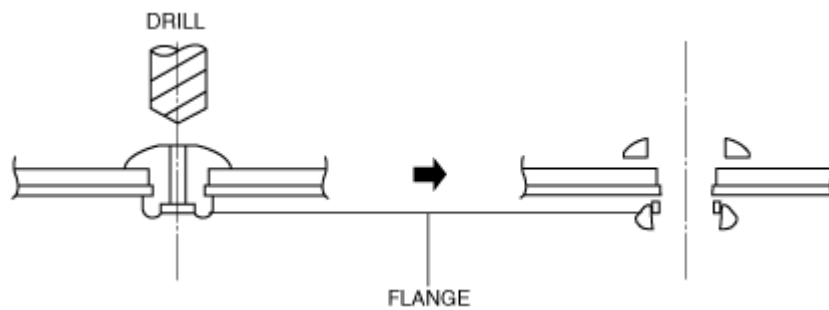
43–64 N·m {4.4–6.5 kgf·m, 32–47 ft·lbf}

5.Tighten the exhaust manifold installation nuts (1) and (2) shown in the figure.



1	Main silencer
2	HO2S (See HEATED OXYGEN SENSOR (HO2S) REMOVAL/INSTALLATION [SKYACTIV-G 2.5 (WITHOUT CYLINDER DEACTIVATION)] .)
3	TWC

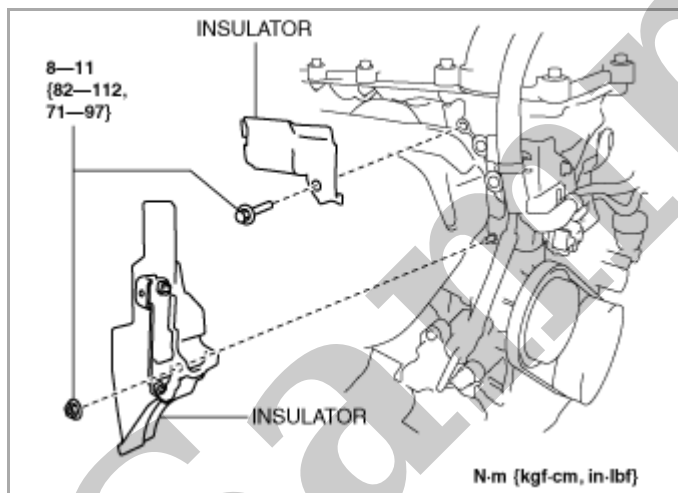
Step 2



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Exhaust manifold insulator removal note

1. Remove the No. 1 engine mount rubber bolt (transmission side), and loosen the No. 1 engine mount rubber bolt (crossmember side) to slightly move the engine. (See [ENGINE MOUNT DISASSEMBLY/ASSEMBLY \[SKYACTIV-G 2.5 \(WITHOUT CYLINDER DEACTIVATION\)\]](#)).
2. Remove the insulator as shown in the figure.



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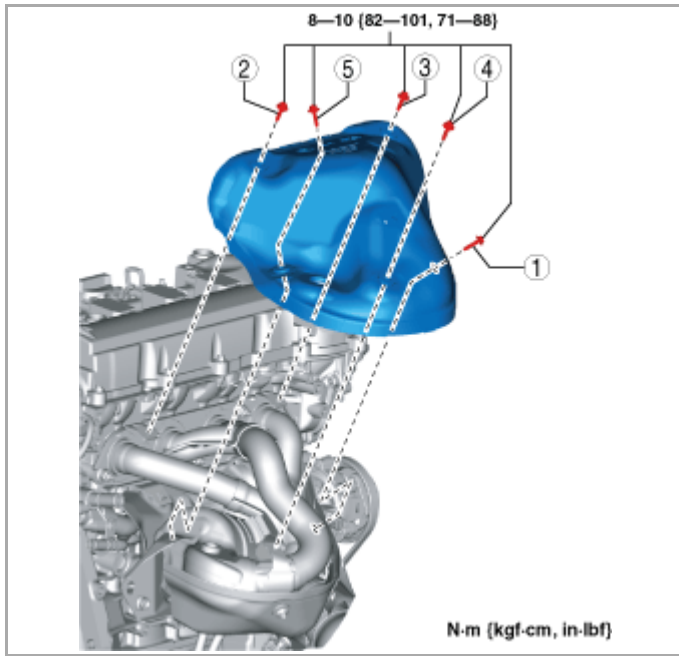
3. Remove the exhaust manifold insulator.

Exhaust manifold removal note

Note

- When removing the exhaust manifold, the bracket installed under the exhaust manifold does not have to be removed. Remove the exhaust manifold with the bracket installed.

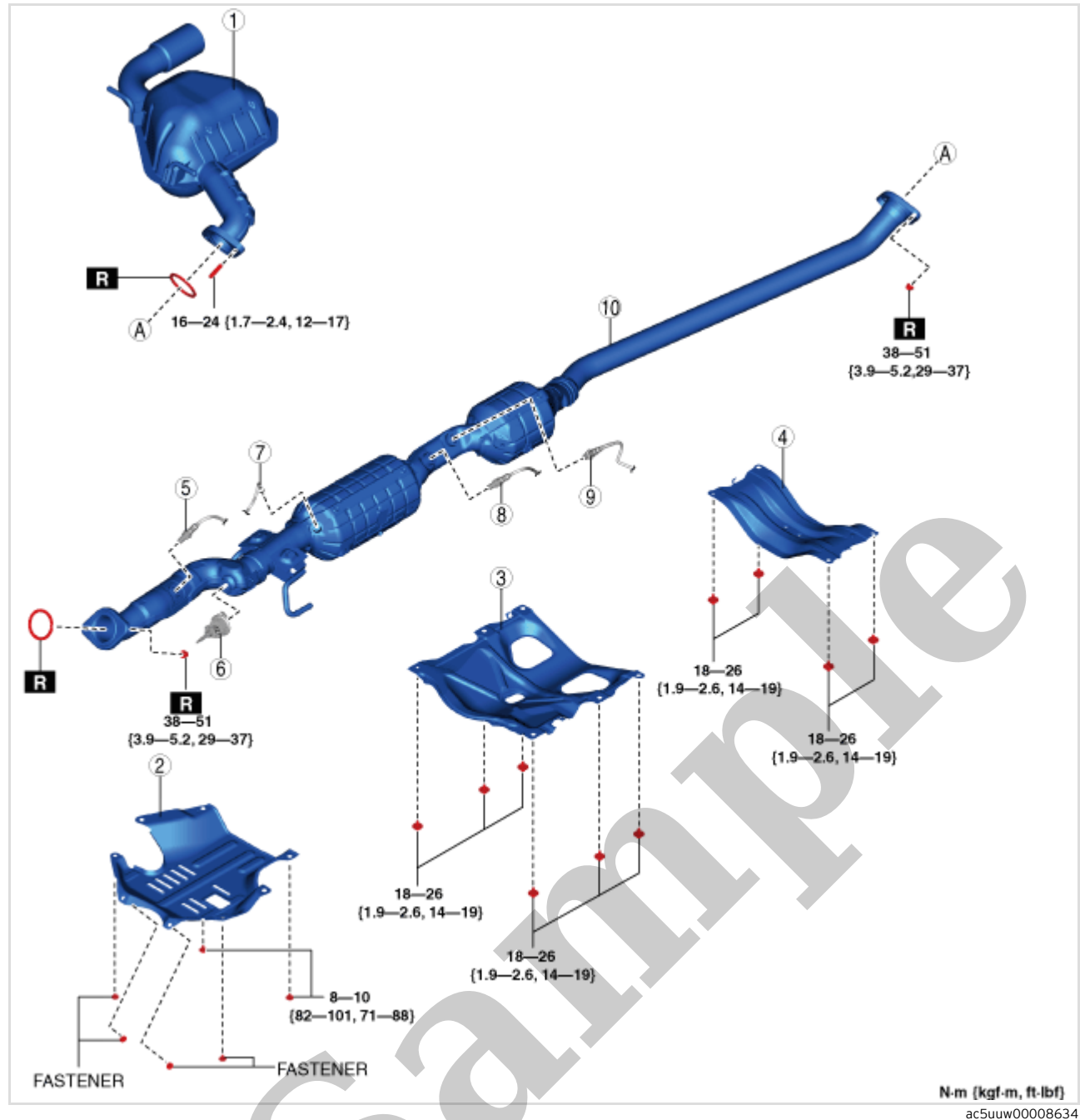
1. Remove the front crossmember. (See [FRONT CROSSMEMBER REMOVAL/INSTALLATION](#).)
2. Remove the exhaust manifold.



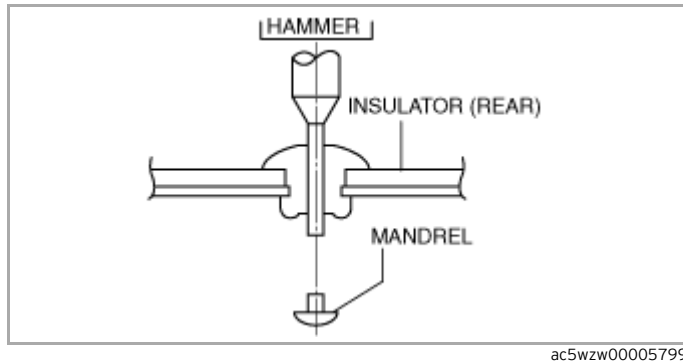
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Exhaust manifold insulator (upper) tightening torque

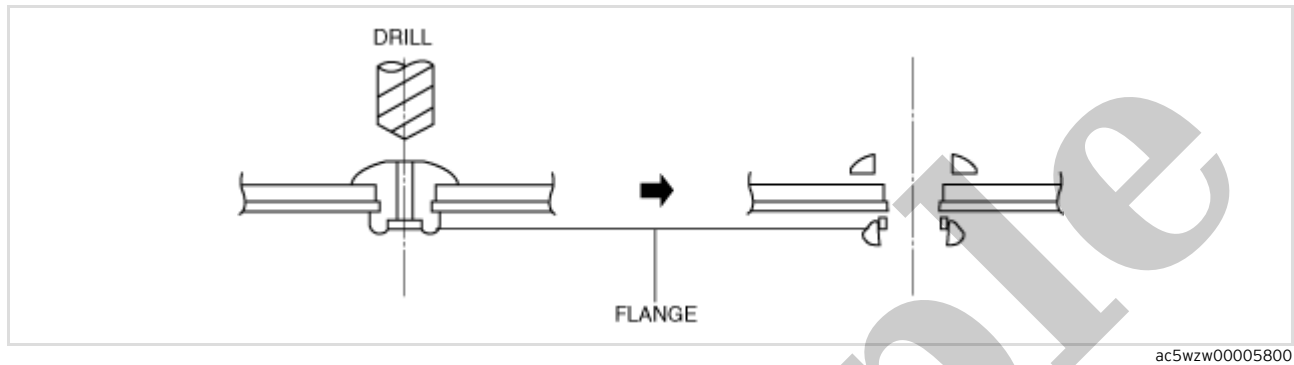
8-10 N·m {82-101 kgf·cm, 71-88 in·lbf}



1	Main silencer
2	Insulator
3	Brace bar (See Brace bar removal note.)
4	Tunnel member
5	Exhaust gas temperature sensor No.5 (See EXHAUST GAS TEMPERATURE SENSOR REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
6	Urea injector (See UREA INJECTOR REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
7	NOx sensor No.1 (See NOx SENSOR REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
8	NOx sensor No.2 (See NOx SENSOR REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
9	PM sensor (See PM SENSOR REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
10	SCR converter



2. Pull out and remove the flange using a drill (diam. 5 mm {0.2 in}).



Brace bar removal note

1. Remove the floor and cover. (See [FLOOR UNDER COVER REMOVAL/INSTALLATION.](#))
2. Remove the brace bar.

Insulator removal note

1. Remove the windshield wiper arm and blade. (See [WINDSHIELD WIPER ARM AND BLADE REMOVAL/INSTALLATION.](#))
2. Remove the cowl grille (See [COWL GRILLE REMOVAL/INSTALLATION.](#)).
3. Remove the windshield wiper motor and link. (See [WINDSHIELD WIPER MOTOR AND LINK REMOVAL/INSTALLATION.](#))
4. Remove the cowl panel. (See [COWL PANEL REMOVAL/INSTALLATION.](#))
5. Remove the insulator.

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

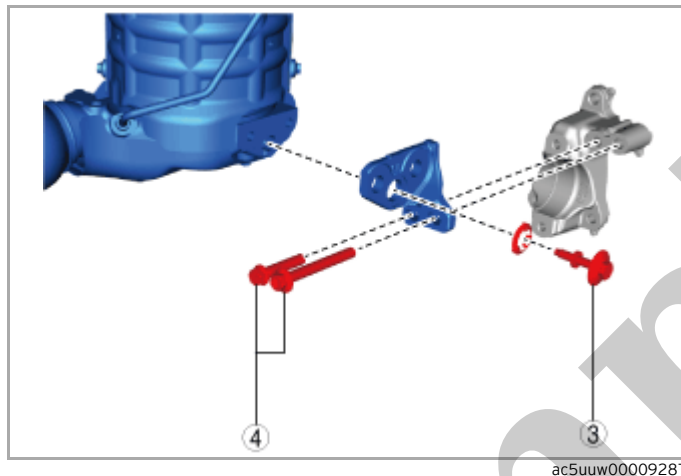
3.Tighten bolts 2 shown in the figure.

Catalytic converter upper bracket installation bolt (catalytic converter side) tightening torque

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

4.All the conclusions check after attachment whether it is the right torque.

5.Temporarily tighten bolts 3 and bolt 4 shown in the figure.

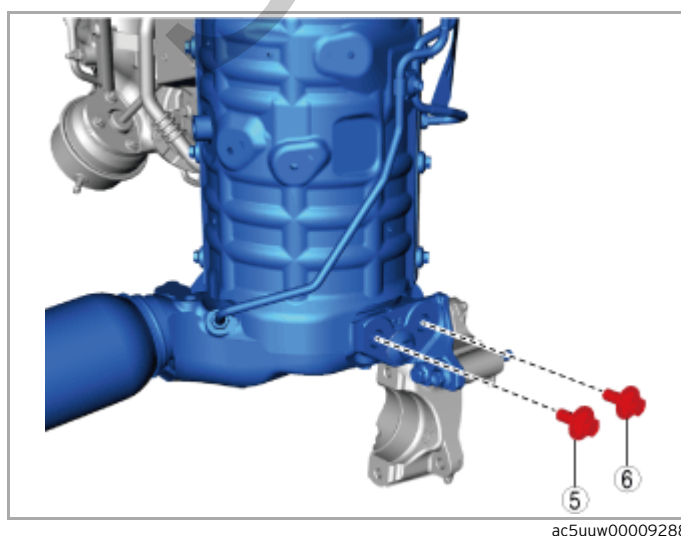


6.Tighten the bolts in the order shown in the figure.

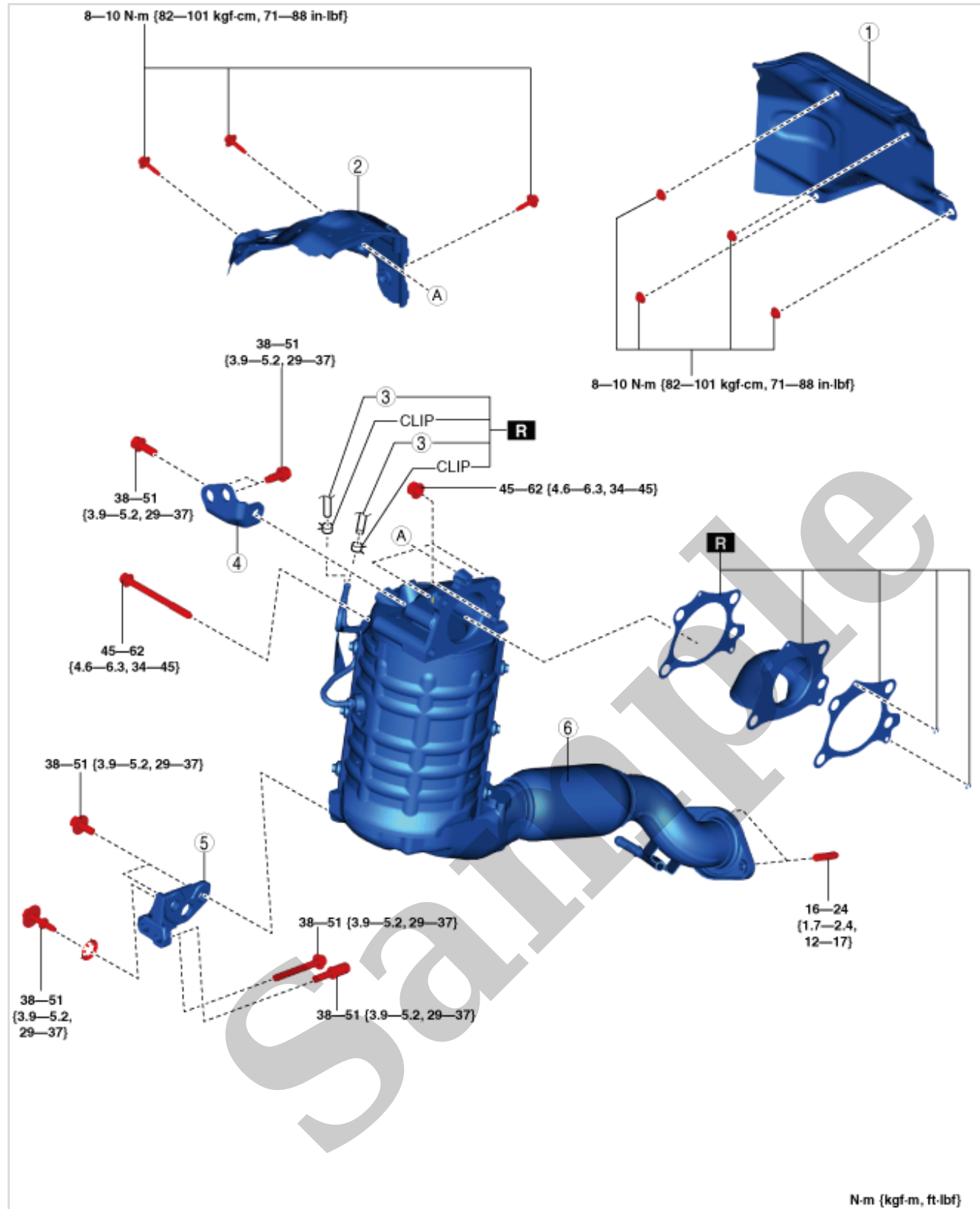
Catalytic converter lower bracket installation bolt tightening torque

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

7.Temporarily tighten bolts 5 and bolt 6 shown in the figure.



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



1	Insulator (See Insulator removal note.)
2	Catalytic converter insulator (See Catalytic converter insulator installation note.)
3	Exhaust gas pressure sensor No.2 hose
4	Catalytic converter upper bracket (See Catalytic converter bracket installation note.)
5	Catalytic converter lower bracket (See Catalytic converter lower bracket removal note.) (See Catalytic converter bracket installation note.)

1.Remove the front crossmember. (See [FRONT CROSSMEMBER REMOVAL/INSTALLATION.](#))

2.Remove the catalytic converter lower bracket.

Catalytic converter removal note

1.Disconnect the exhaust gas temperature sensor No.2 connector.

2.Remove the exhaust gas temperature sensor No.2 wiring harness installation nut. (See [EXHAUST GAS TEMPERATURE SENSOR REMOVAL/INSTALLATION \[SKYACTIV-D 2.2\].](#))

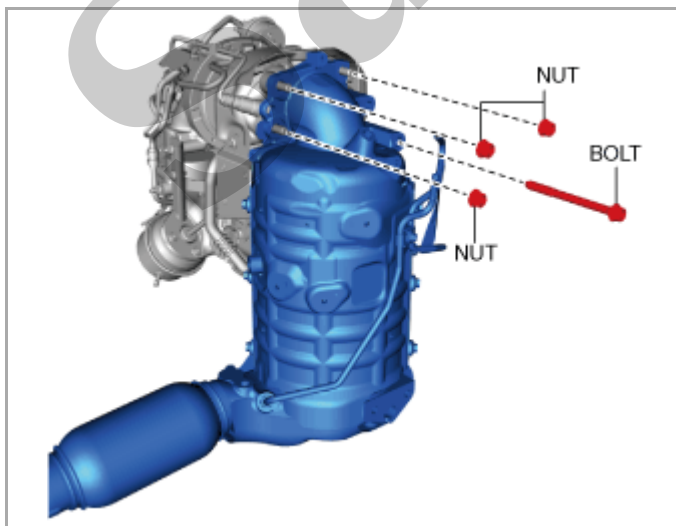
3.Disconnect the exhaust gas temperature sensor No.3 connector.

4.Disconnect the exhaust gas temperature sensor No.4 connector.

5.Remove the catalytic converter.

Catalytic converter installation note

1.Temporarily tighten bolt and nuts shown in the figure.



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2.Tighten the bolt and nuts in the other shown in the figure.