

# 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.

## 2008 MAZDA 6/Atenza Hatchback OEM Service and Repair Workshop Manual

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## Note

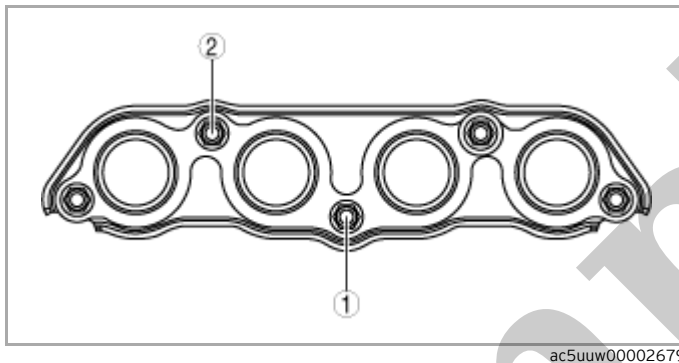
- When removing the exhaust manifold, the bracket installed under the exhaust manifold does not have to be removed. Remove the exhaust manifold with the bracket installed.

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

2.Remove the exhaust manifold.

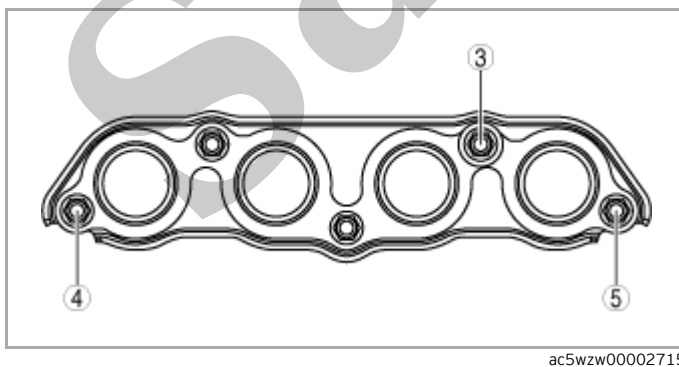
## Exhaust manifold installation note

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.

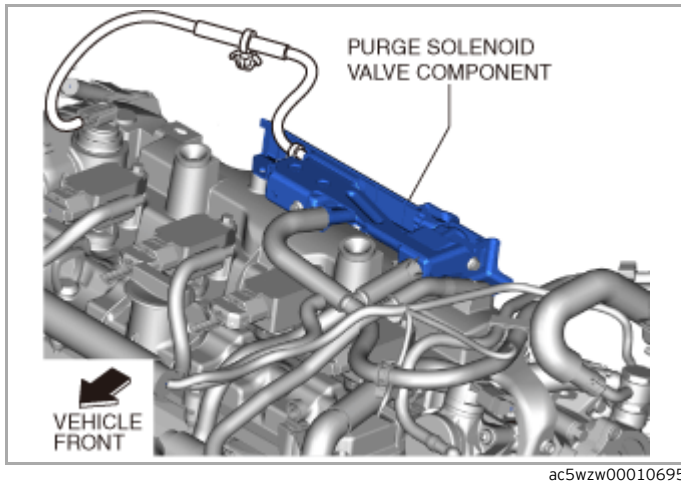


4.Tighten the exhaust manifold installation nuts (3) to (5) shown in the figure.

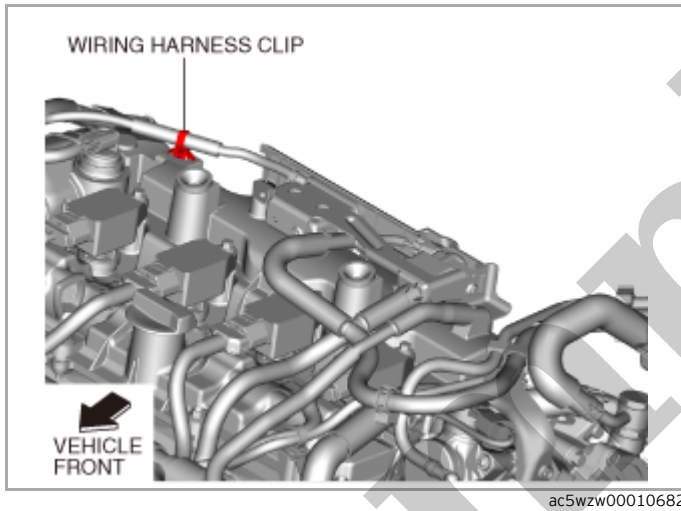
## Tightening torque

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

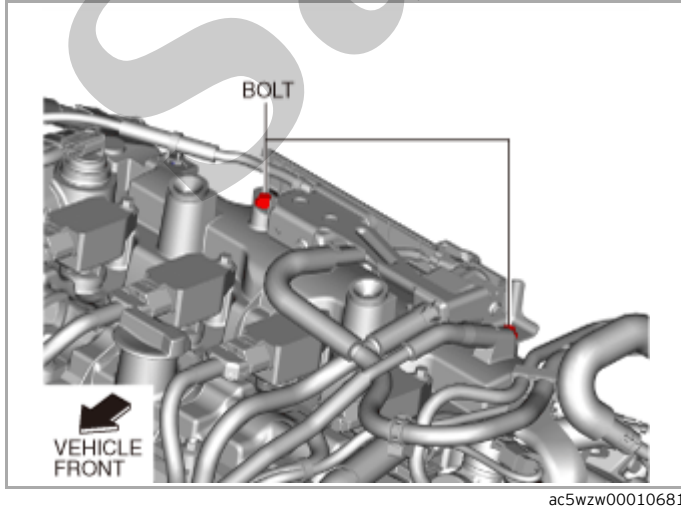
5.Tighten the exhaust manifold installation nuts (1) and (2) shown in the figure.



5.Install the wiring harness clip shown in the figure.



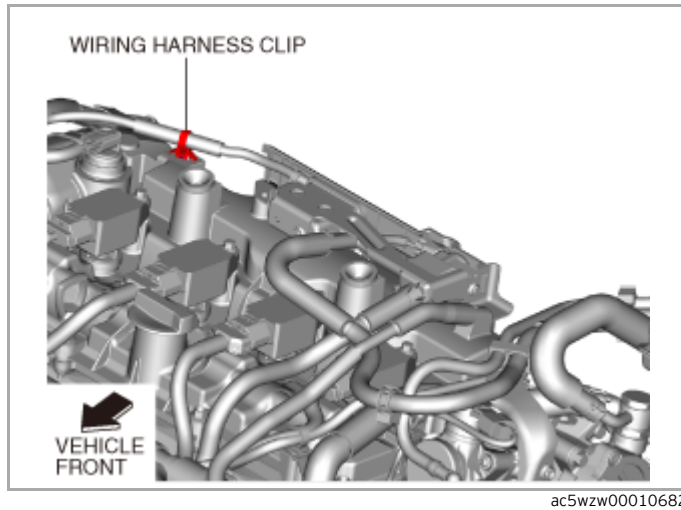
6.Install the bolts shown in the figure.



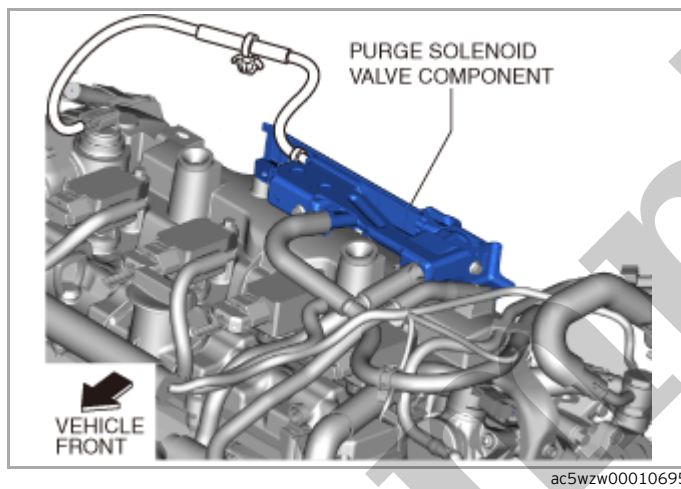
**Tightening torque**  
 8-11 N·m {82-112 kgf·cm, 71-97 in·lbf}

7.Install the plug hole plate. (See [PLUG HOLE PLATE REMOVAL/INSTALLATION \[SKYACTIV-G 2.5 \(WITH CYLINDER DEACTIVATION\)\]](#)).

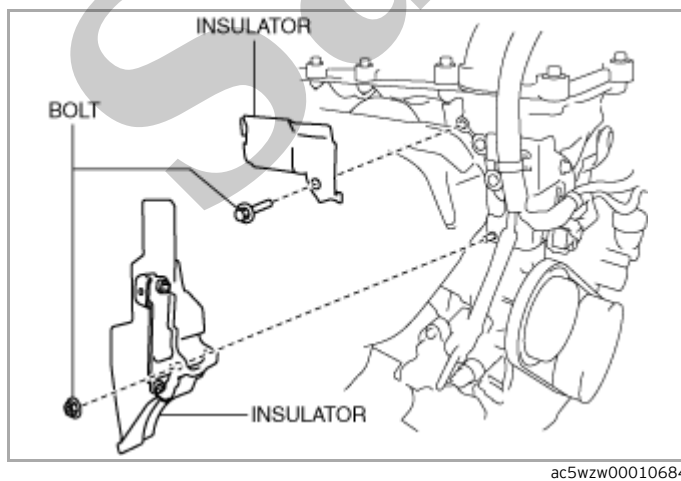




5.Set the purge solenoid valve component aside so that it does not interfere with the servicing.



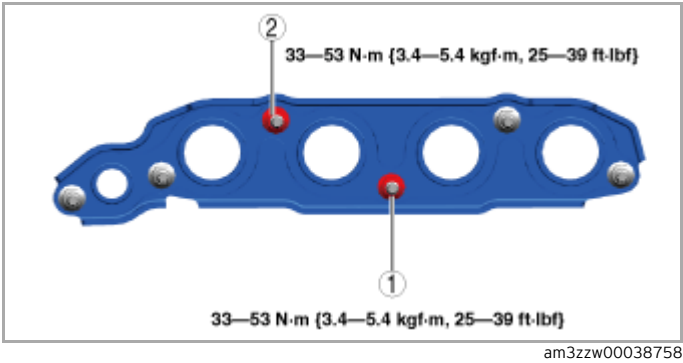
6.Remove the insulators shown in the figure.



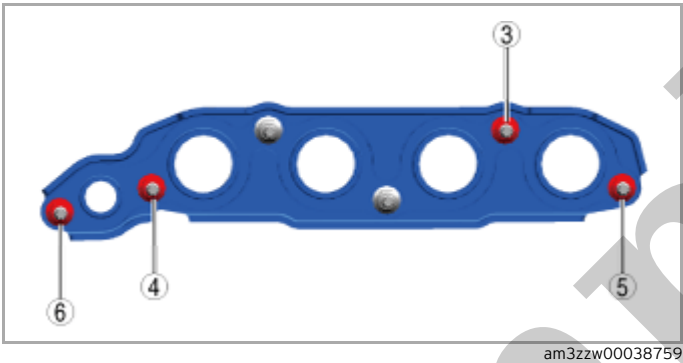
7.Remove the exhaust manifold insulator.

Exhaust manifold removal note

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



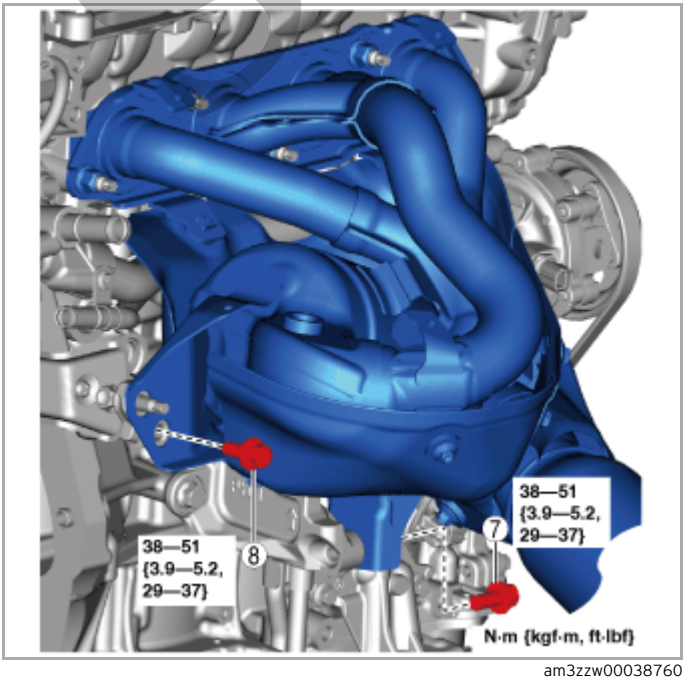
3.Temporarily tighten the exhaust manifold installation nuts (3) to (6) shown in the figure by hand.

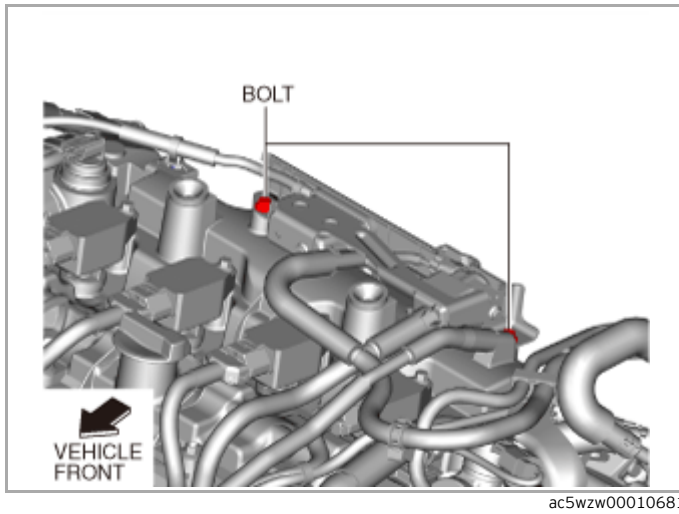


4.Tighten the exhaust manifold installation nuts (3) to (6) shown in the figure.

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

6.Temporarily tighten the bolts (7) and (8) shown in the figure.





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### Tightening torque

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

7. Install the plug hole plate. (See [PLUG HOLE PLATE REMOVAL/INSTALLATION \[SKYACTIV-G 2.5 \(WITH CYLINDER DEACTIVATION\)\]](#).)

8. Install the No.1 engine mount rubber bolt (transmission side), and the No.1 engine mount rubber bolt (front crossmember side).  
(See [ENGINE MOUNT DISASSEMBLY/ASSEMBLY \[SKYACTIV-G 2.5 \(WITH CYLINDER DEACTIVATION\)\]](#).)



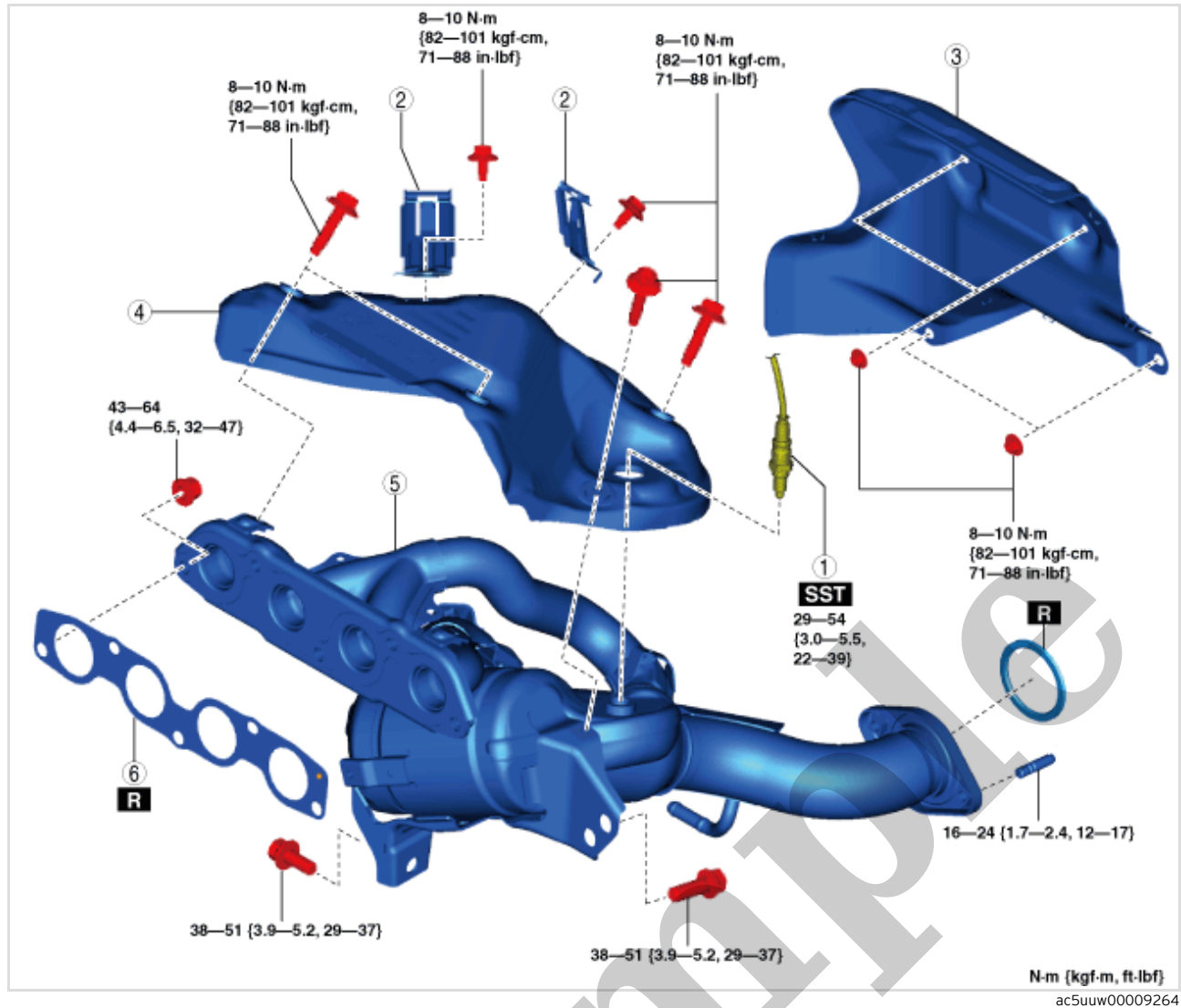
# EXHAUST SYSTEM INSPECTION [SKYACTIV-G 2.5 (WITHOUT CYLINDER DEACTIVATION)]

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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 2.5 \(WITHOUT CYLINDER DEACTIVATION\)\]](#).)



1	A/F sensor (See <a href="#">AIR FUEL RATIO (A/F) SENSOR REMOVAL/INSTALLATION [SKYACTIV-G 2.5 (WITHOUT CYLINDER DEACTIVATION)]</a> .)
2	Clip
3	Insulator
4	Exhaust manifold insulator (See <a href="#">Exhaust manifold insulator removal note</a> .) (See <a href="#">Exhaust manifold insulator installation note</a> .)
5	Exhaust manifold (WU-TWC) (See <a href="#">Exhaust manifold removal note</a> .) (See <a href="#">Exhaust manifold installation note</a> .)
6	Exhaust manifold gasket

## Exhaust system insulator removal/installation

1.Remove the exhaust system insulator in the order shown in the figure.

2.Install in the reverse order of removal.