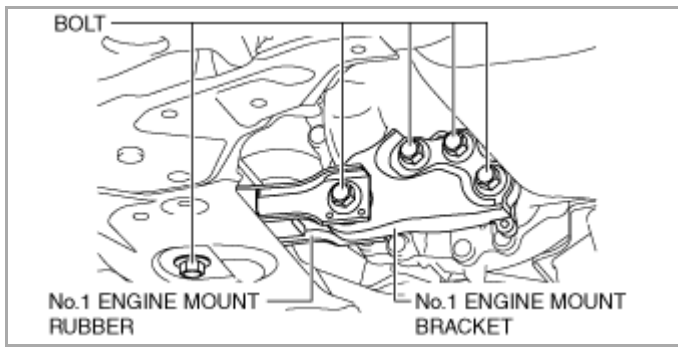


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FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

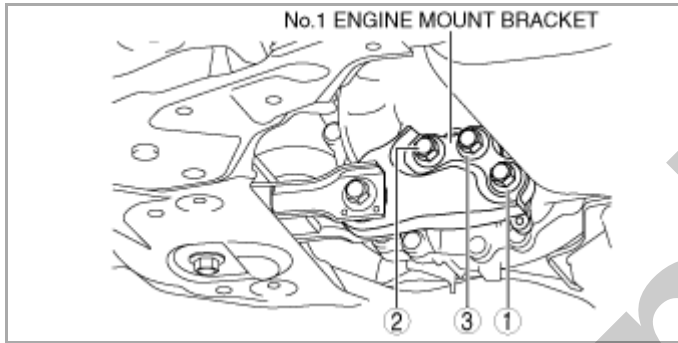
2005 MAZDA 6/Atenza Sedan OEM Service and Repair Workshop Manual

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2.Tighten the No.1 engine mount bracket installation bolts in the order shown in the figure.

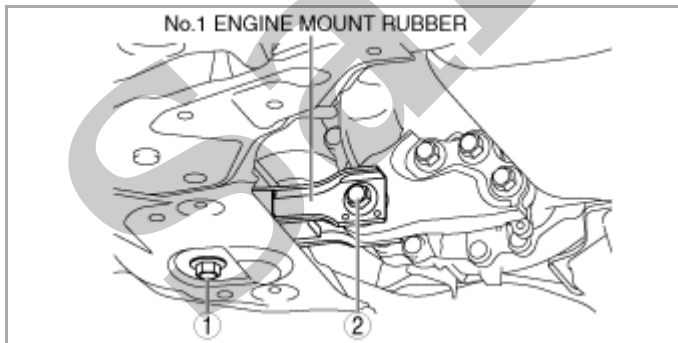


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Tightening torque

131–153 N·m {14–15 kgf·m, 97–112 ft·lbf}

3.Tighten the No.1 engine mount rubber installation bolts in the order shown in the figure.

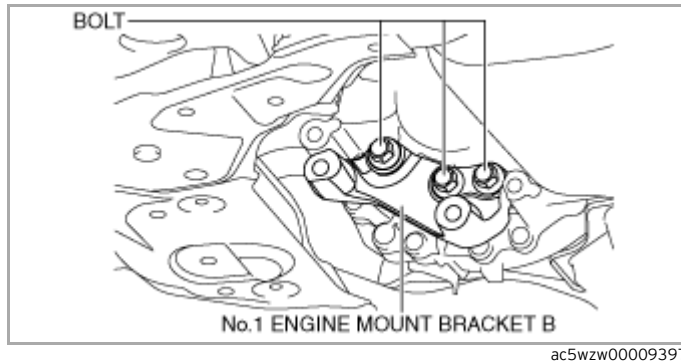


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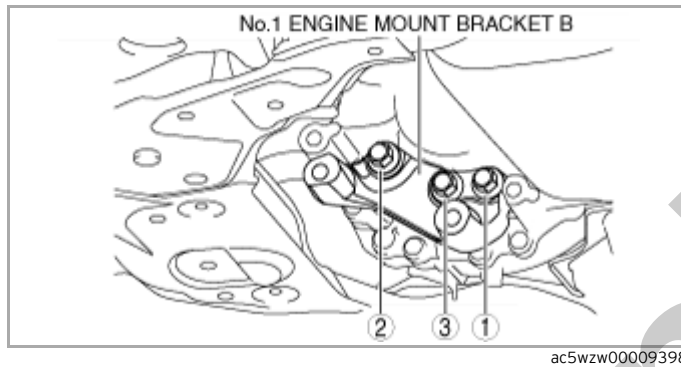
Tightening torque

Installation position	Tightening torque
1	141–172 N·m {15–17 kgf·m, 104–126 ft·lbf}
2	130–164 N·m {14–16 kgf·m, 96–120 ft·lbf}

No.1 Engine Mount (AWD)



2.Tighten the No.1 engine mount bracket B installation bolts in the order shown in the figure.

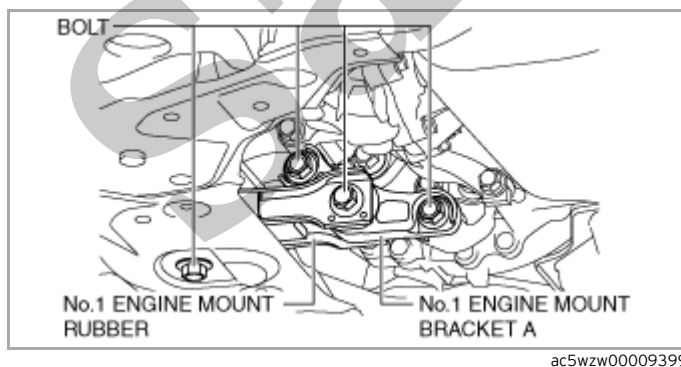


Tightening torque

131–153 N·m {14–15 kgf·m, 97–112 ft·lbf}

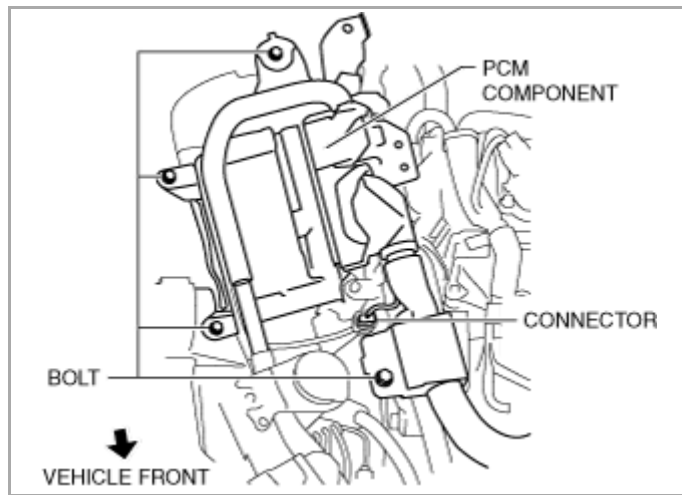
3.Install the transfer. (See [TRANSFER REMOVAL/INSTALLATION \[GW6AX-EL \(SKYACTIV-D 2.2\)\]](#).)

4.Install the No.1 engine mount bracket A and No.1 engine mount rubber, and temporarily tighten the bolts shown in the figure.



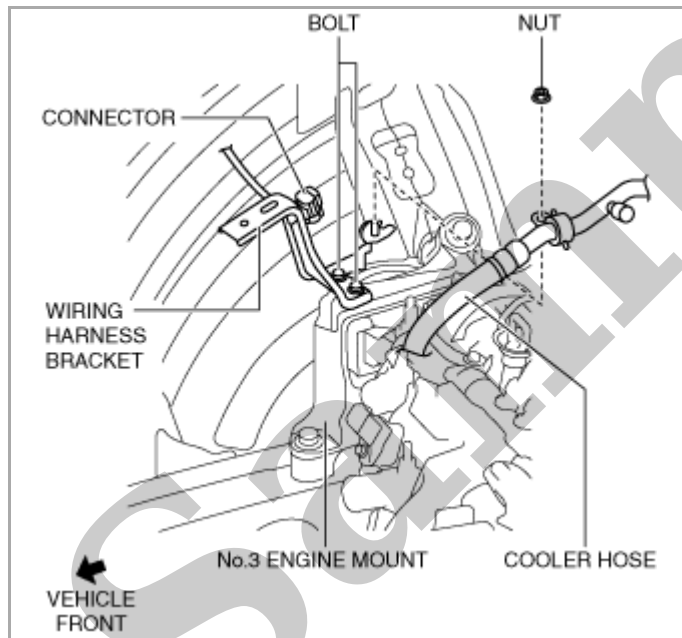
5.Tighten the No.1 engine mount bracket A installation bolts to the specified tightening torque.

2.Remove the bolts and connector shown in the figure and set the PCM component aside with the PCM connector connected.



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3.Set the connector and cooler hose shown in the figure aside and remove the wiring harness bracket.

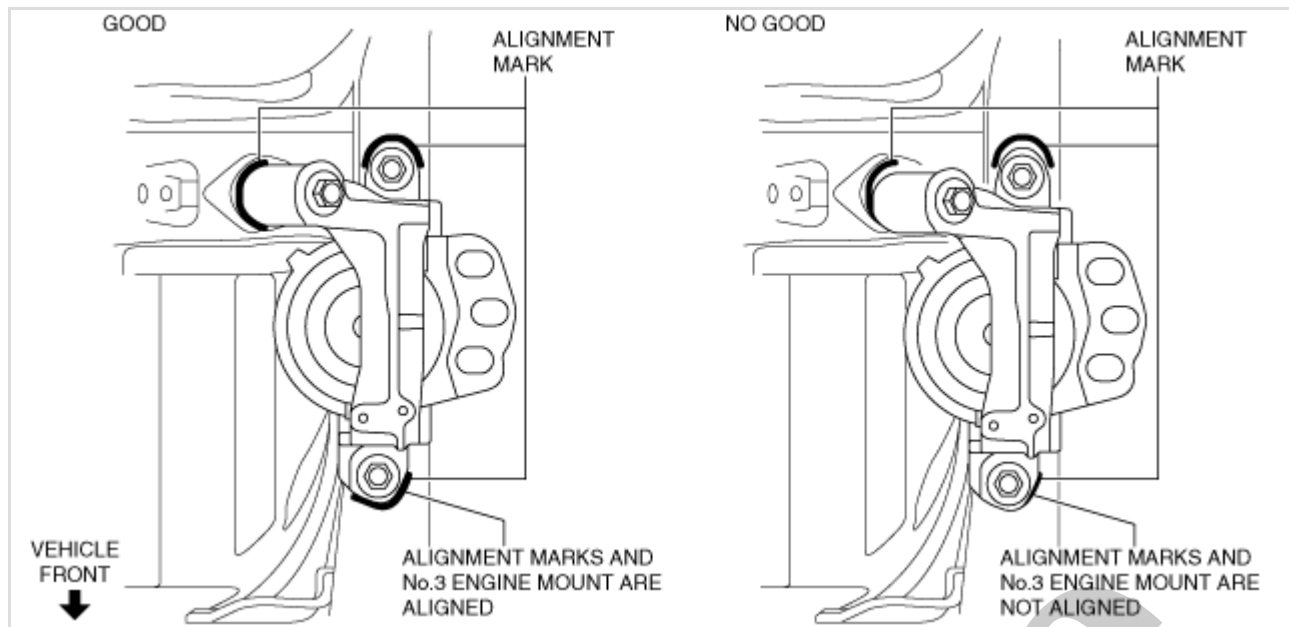


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4.Remove the front under cover No.2. (See [FRONT UNDER COVER No.2 REMOVAL/INSTALLATION.](#))

5.Remove the seal plate installed to the underside of the oil pan.

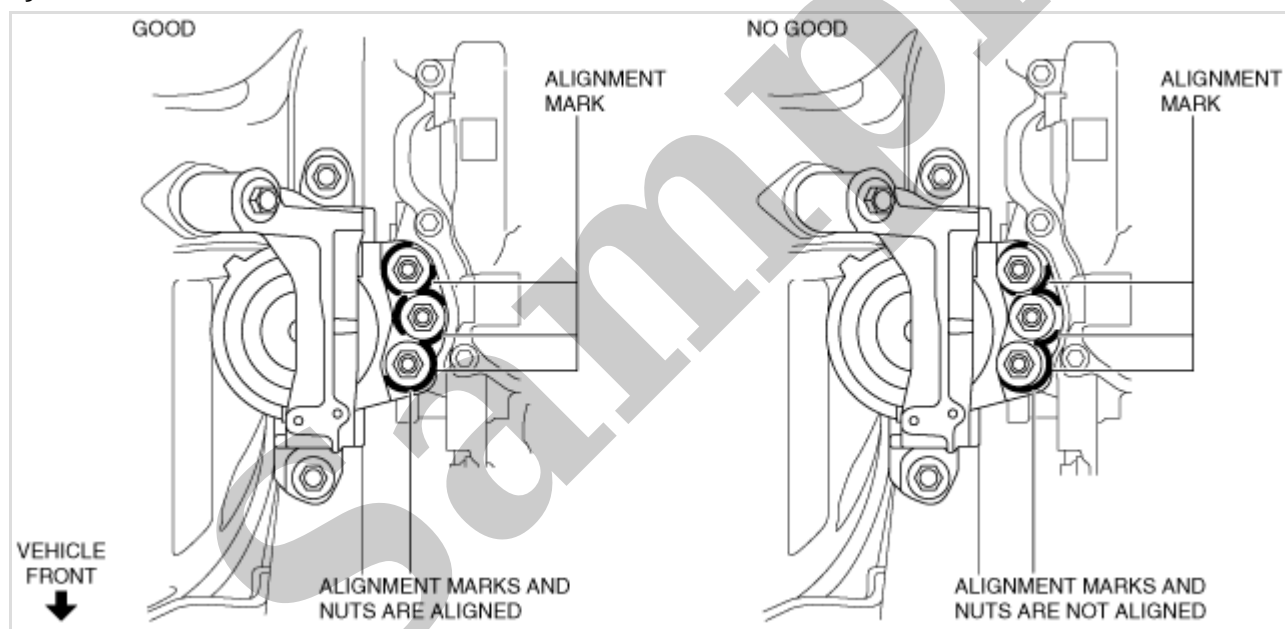
(1)Align the alignment marks on the body side and No.3 engine mount, and temporarily tighten the bolts shown in the figure.



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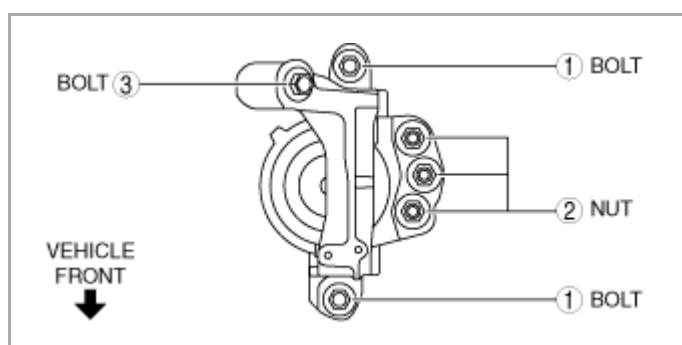
(2)Temporarily tighten the nuts shown in the figure while aligning the alignment marks of the No.3 engine mount and nuts.

- If the alignment marks are deviated, align the alignment marks while slightly moving the engine and temporarily tighten the nuts.

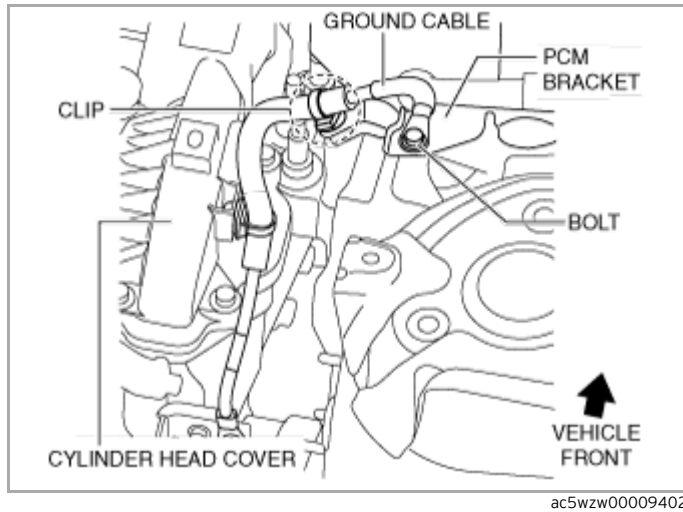


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3.Tighten the No.3 engine mount installation bolts and nuts in the order as shown in the figure.



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Tightening torque

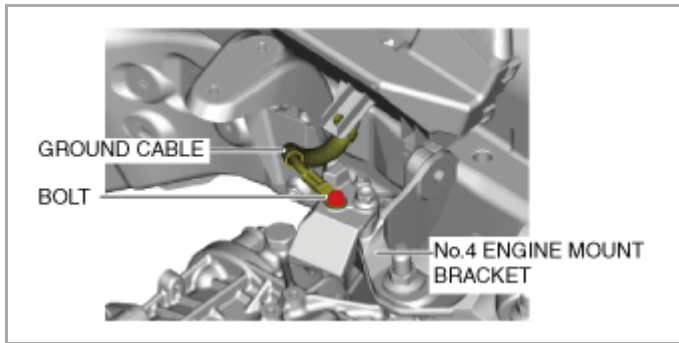
9–12 N·m {92–122 kgf·cm, 80–106 in·lbf}

No.4 Engine Mount

Caution

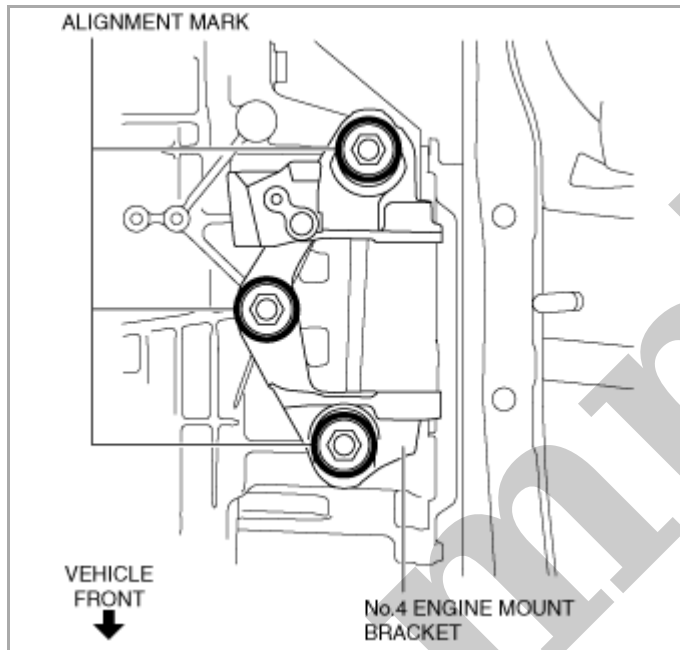
- Slots have been adopted for the No.4 engine mount bracket installation holes. If the No.4 engine mount bracket is deviated from the original position when installing the No.4 engine mount bracket, engine noise or vibration could increase. Before removing the No.4 engine mount bracket, place alignment marks on the No.4 engine mount bracket so that they can be assembled to the same positions as before removal.

1. Disconnect the negative battery terminal. (See [NEGATIVE BATTERY TERMINAL DISCONNECTION/CONNECTION.](#))
2. Remove the air cleaner and air hose as a single unit. (See [INTAKE-AIR SYSTEM REMOVAL/INSTALLATION \[SKYACTIV-D 2.2\].](#))
3. Remove the battery and battery tray. (See [BATTERY REMOVAL/INSTALLATION \[SKYACTIV-D 2.2\].](#))
4. Remove in the order indicated in the table.
5. Install in the reverse order of removal.



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2. Place alignment marks on the locations shown in the figure so that they can be assembled to the same positions as before removal.



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Note

- Paint so that the outline of the nut is framed on the bracket side.

3. Remove the No.4 engine mount bracket.

No.4 engine mount bracket installation note

Note

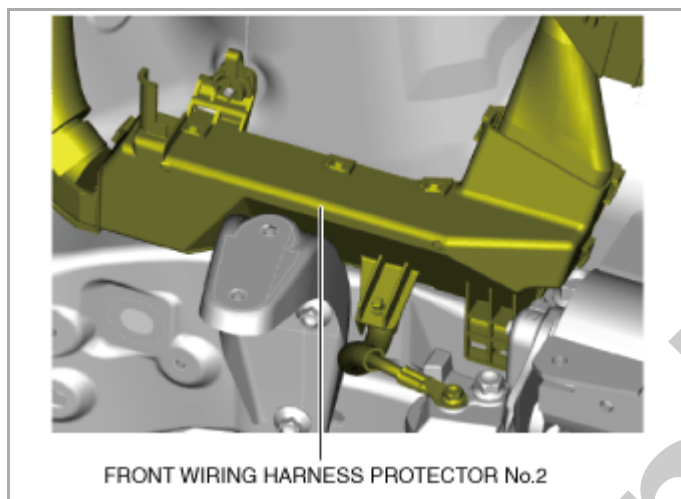
- When replacing the No.4 engine mount bracket, place a mark at the same position as the one placed before removal.
- If the No.4 engine mount bracket nut is loosened, tighten the transaxle stud bolts because they may have loosened.

1. Tighten the transaxle stud bolts.

3.Remove the engine lifter or garage jack.

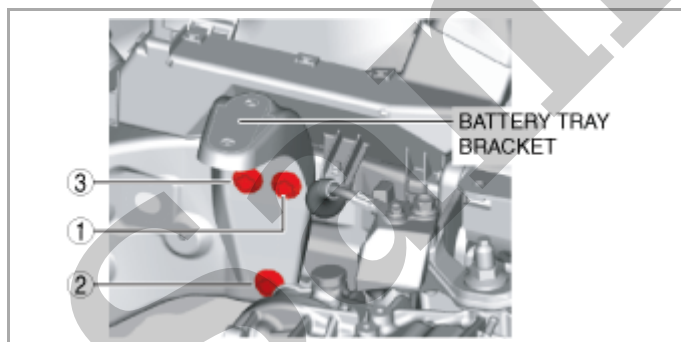
4.Install the front under cover No.2. (See **FRONT UNDER COVER No.2 REMOVAL/INSTALLATION.**)

5.Install the front wiring harness protector No.2. (See **FRONT WIRING HARNESS PROTECTOR REMOVAL/INSTALLATION.**)



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6.Tighten the battery tray bracket installation bolts in the order shown in the figure.

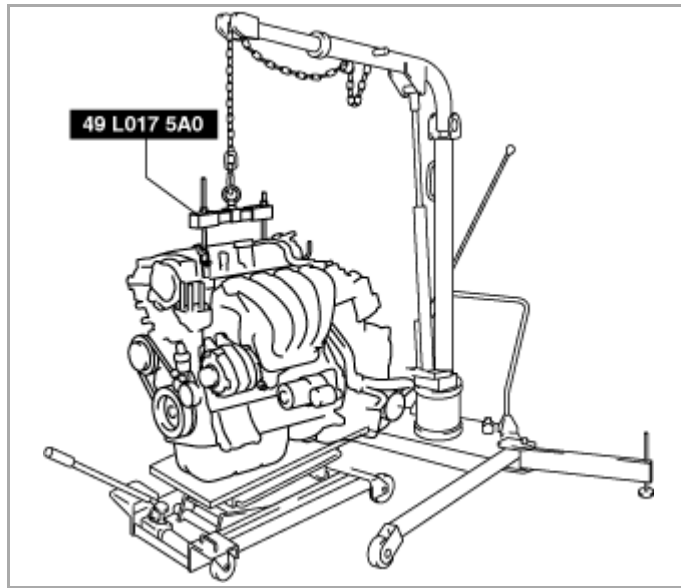


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Tightening torque

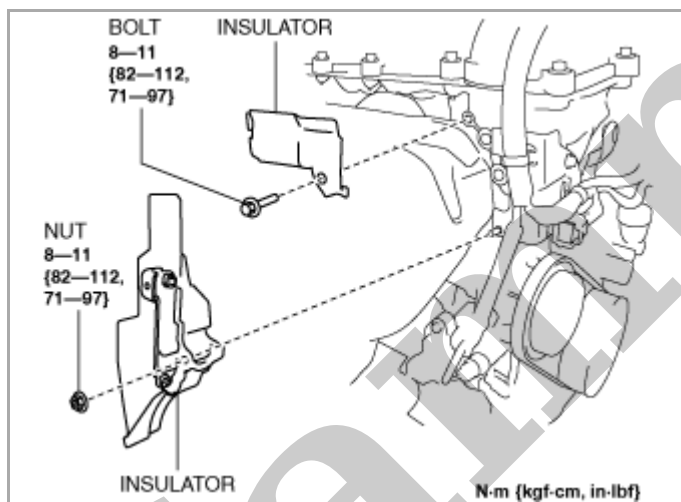
22-30 N·m {2.3-3.0 kgf·m, 17-22 ft·lbf}

- 25.Remove the oil pan. (See [OIL PAN REMOVAL/INSTALLATION \[SKYACTIV-D 2.2\].](#))
- 26.Remove the timing chain and chain guide. (See [TIMING CHAIN REMOVAL/INSTALLATION \[SKYACTIV-D 2.2\].](#))
- 27.Remove the glow plugs. (See [GLOW PLUG REMOVAL/INSTALLATION \[SKYACTIV-D 2.2\].](#))
- 28.Remove the ECT sensor. (See [ENGINE COOLANT TEMPERATURE \(ECT\) SENSOR REMOVAL/INSTALLATION \[SKYACTIV-D 2.2\].](#))
- 29.Remove the cylinder head. (See [CYLINDER HEAD GASKET REPLACEMENT \[SKYACTIV-D 2.2\].](#))
- 30.Install in the reverse order of removal.
- 31.Refill with the specified type and amount of the engine oil. (See [ENGINE OIL REPLACEMENT \[SKYACTIV-D 2.2\].](#))
- 32.Refill the engine coolant. (See [ENGINE COOLANT REPLACEMENT \[SKYACTIV-D 2.2\].](#))
- 33.Start the engine, and inspect and adjust the following:
- Leakage of engine oil, engine coolant.
 - Engine oil amount. (See [ENGINE OIL LEVEL INSPECTION \[SKYACTIV-D 2.2\].](#))
 - Runout and contact of pulley and belt.
 - Idle speed. (See [ENGINE TUNE-UP \[SKYACTIV-D 2.2\].](#))
 - Compression pressure. (See [COMPRESSION INSPECTION \[SKYACTIV-D 2.2\].](#))



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5.Remove the insulator shown in the figure.



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6.Remove the exhaust system. (See [EXHAUST SYSTEM REMOVAL/INSTALLATION \[SKYACTIV-G 2.5 \(WITH CYLINDER DEACTIVATION\)\]](#).)

7.Remove the exhaust manifold bracket No.1. (See [Exhaust Manifold Bracket No.1 Removal Note](#).) (See [Exhaust Manifold Bracket No.1 Installation Note](#).)

8.Remove the bracket No.1 (drive shaft bracket). (See [FRONT DRIVE SHAFT REMOVAL/INSTALLATION](#).)

9.Remove the transfer bracket and transfer. (See [TRANSFER REMOVAL/INSTALLATION \[FW6AX-EL\]](#).)

10.Remove the starter. (See [STARTER REMOVAL/INSTALLATION \[SKYACTIV-G 2.5 \(WITH CYLINDER DEACTIVATION\)\]](#).)

11.Fix the drive plate using the crankshaft pulley lock bolt.