

Service Information

Mazda Motor Corporation

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Category B	Repair Guidance	Ref. No. R003/13A	Page 1 of 5
Coverage <input type="checkbox"/> Distributor only <input checked="" type="checkbox"/> Please inform your dealers		Date Issued January 17, 2013	
Please convey this information to your <input type="checkbox"/> Director <input checked="" type="checkbox"/> General Manager <input checked="" type="checkbox"/> Warranty Dept. <input checked="" type="checkbox"/> Parts Dept. <input checked="" type="checkbox"/> Training Dept. <input checked="" type="checkbox"/> Field Rep.		Date Revised March 13, 2013	
Applicable Model Mazda6(GJ) with SKYACTIV-D 2.2	Applicable Countries or Specifications Australia, New Zealand and Europe.		

(Revised)

Note: "Subject" and "DESCRIPTION" have been revised

Subject: **Clinking/Hissing noise from the front right side of vehicle**

DESCRIPTION

Some customer may complain that engine noise like clinking/hissing noise is heard from the front right side of vehicle **at idling or while driving within a certain rpm range**. The customer may judge this as unusual.

This noise is most noticeable and annoying around 1500 to 2000 rpm while accelerating **and also can be recognized at idle speed**.

CAUSE

The engine noise is transferred and amplified by the ground wire. Then the noise can be heard from the front right side of vehicle.

MASS PRODUCTION CHANGE

The shape of cover for ground wire has been changed.

SUBJECT VEHICLE

ADR spec

From JM0 GJ1021 00 100010(October 25, 2012) to JM0 GJ1021 00 101421 (November 28, 2012)

EU spec

From JMZ GJ6*** 21 105981(October 18, 2012) to JMZ GJ 6*** 21 115397 (December 3, 2012)

REPAIR PROCEDURE

When you encounter a customer complaint on this concern, repair it as detailed below:

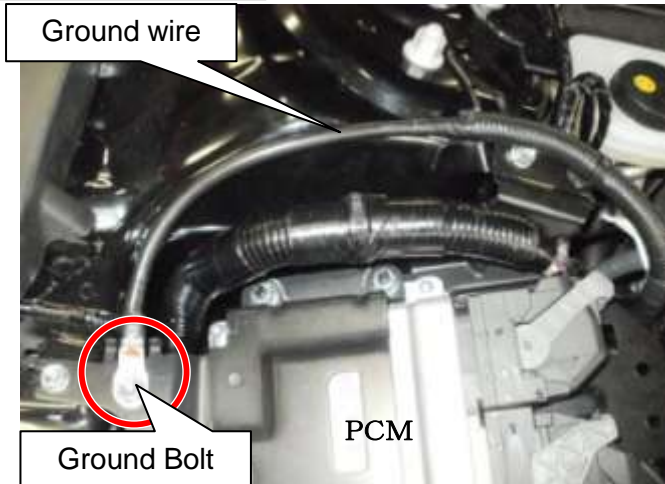
Outline:

Change the installation location of ground harness using a heat-resisting tape (PVC Tape). After that, conduct the fuel injection amount correction using Mazda Modular Diagnostic System (M-MDS)

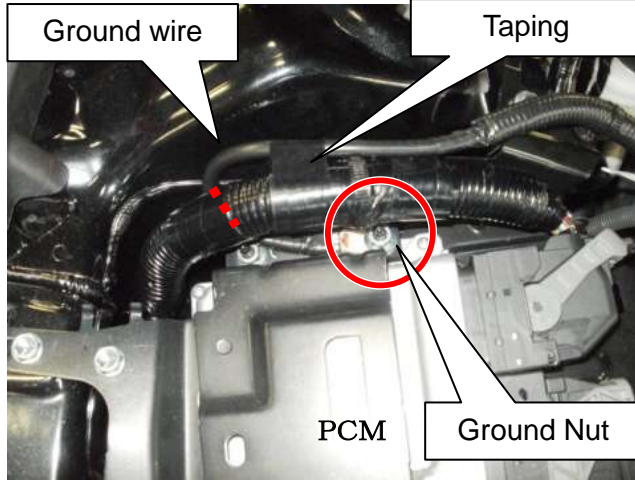
Note: The PCM conduct the fuel injection amount correction periodically. Closely before the periodical fuel injection correction starts, the engine noise is louder than usual which in worst case gets transferred as well.

To conduct the fuel injection correction manually, may reduce the noise due to the balancing of the fuel injection amount of each cylinder.

Current Position

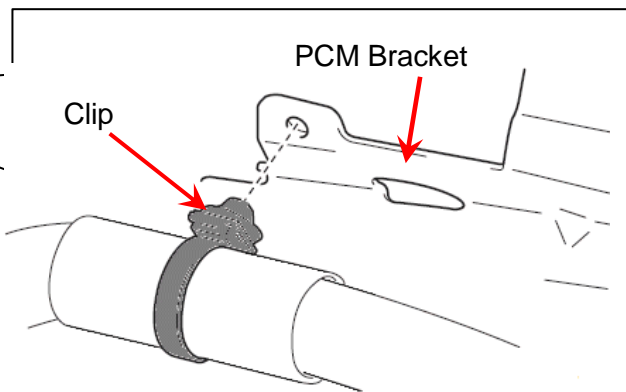
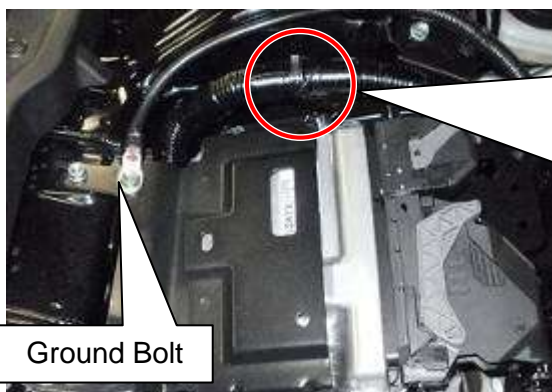


New Position

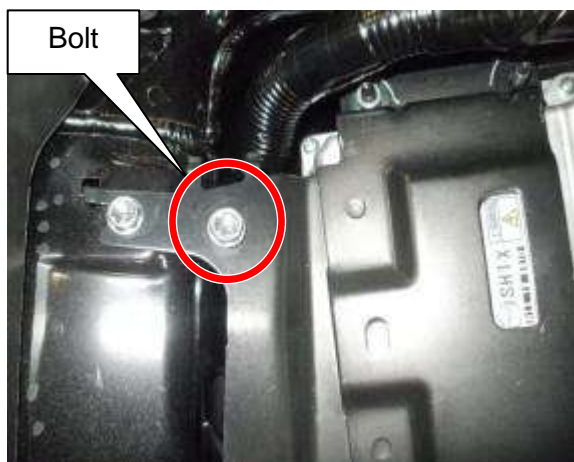


Procedure:

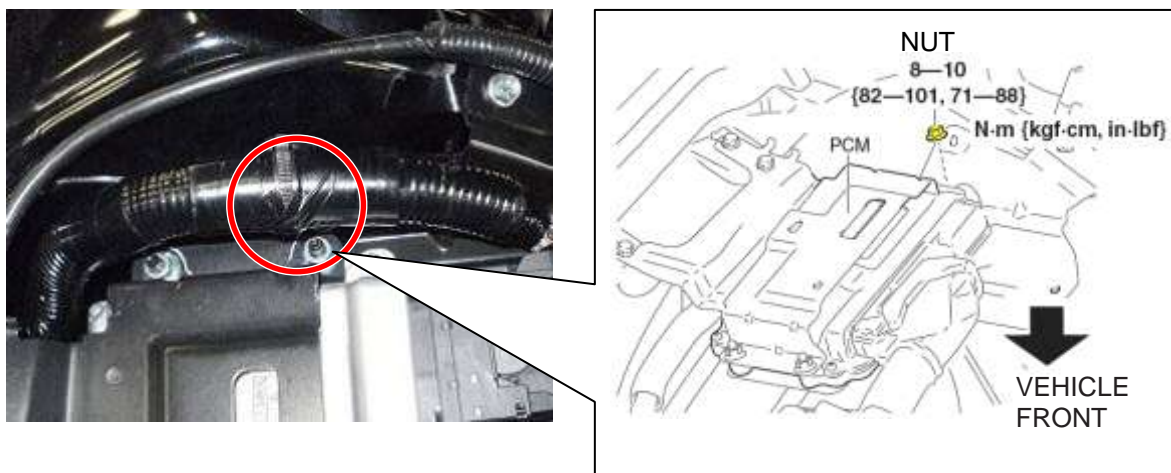
1. Detach the clip from the PCM bracket.
Note: To detach the clip, pinch it by pliers.
2. Remove the ground bolt.



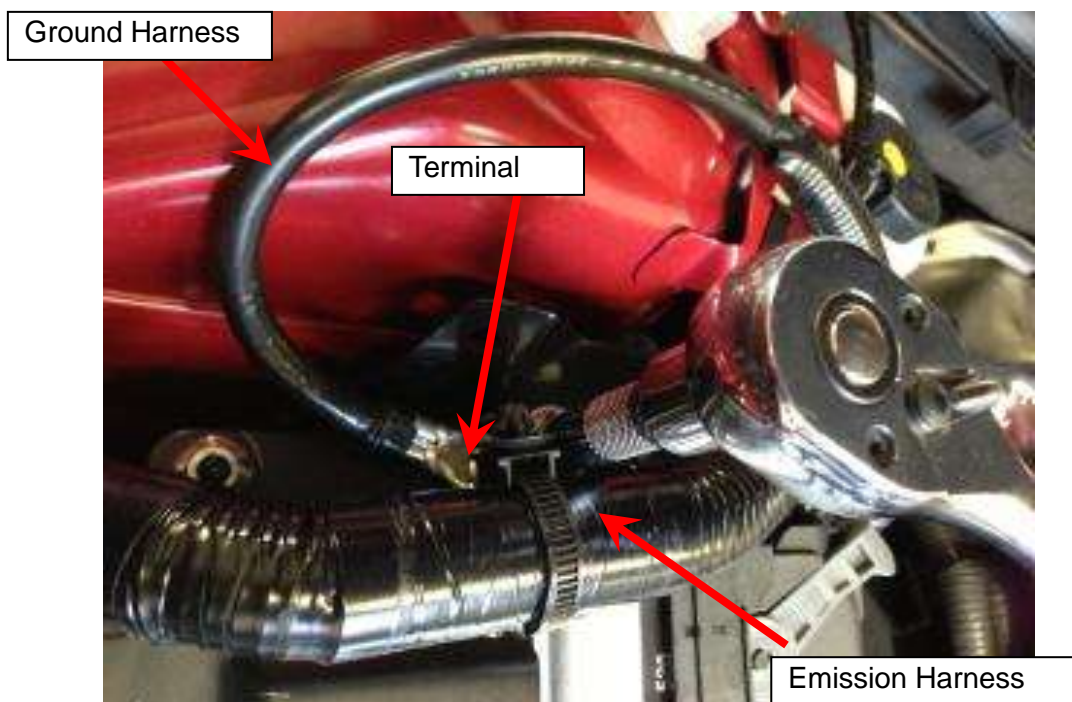
3. Install the removed bolt to the original position.



4. Remove the nut from the PCM bracket.



5. Route the ground harness between the emission harness and the body, then install the terminal of the harness to the PCM bracket using the original nut as shown in photo below.

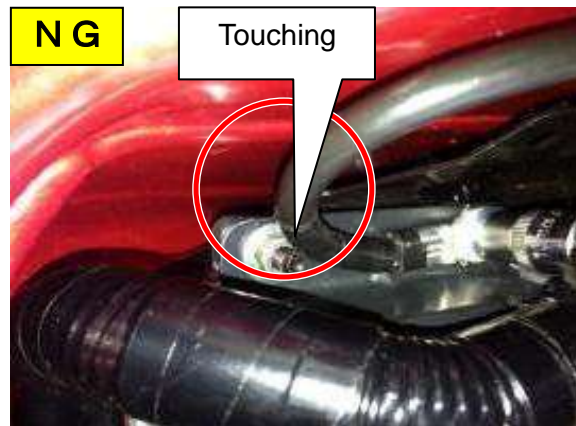


6. Tighten the nut.

Tightening Torque: 8-10 Nm{ 82-101 kgfcm, 71-88 in-lbf}

Note: While tightening the nut, hold the terminal by hand to prevent it from turning.

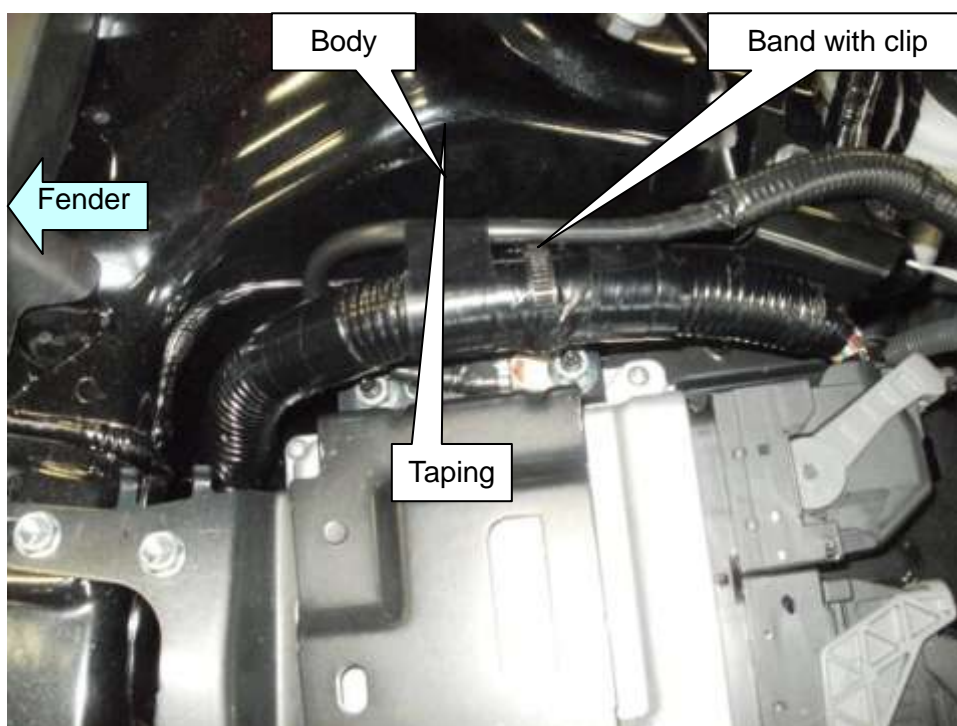
Caution: To prevent the ground harness from touching the nut & stud bolt, route the ground harness as shown below.



7. Cut a heat-resisting tape (PVC Tape) into approx. 500 mm in length.

8. Affix the ground harness to the emission harness with a heat-resisting tape (PVC Tape) as shown in photo below.

Caution: To prevent the ground harness from touching the body, route the ground harness as shown below.



9. Attach the clip of band to the PCM bracket.

10. Perform the FUEL INJECTOR INJECTION AMOUNT CORRECTION according to workshop manual.(Refer to "FUEL INJECTOR INJECTION AMOUNT CORRECTION [SKYACTIV-D 2.2]")

WARRANTY INFORMATION

Assembly group	B – Reciprocating Engine
Subassembly group	06 - ENGINE MOUNT
Symptom Code	82
Damage Code	9J
Causal Part No.	GHT6-67-EW0
Q'ty	0
Operation No.	XXHAZXRX
Labor Hours	0.5 Hrs
Period Covered	Normal warranty period

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1CB1964606 (MC Internal Use)