

Service Information

Mazda Motor Corporation

3-1, Shinchi, Fuchu-cho, Aki-gun
Hiroshima 730-8670, Japan
TEL : 81(82)287-5323
FAX : 81(82)287-5220



Category S	Repair Guidance	Ref. No. R043/13	Page 1 of 6
Coverage <input type="checkbox"/> Distributor only <input checked="" type="checkbox"/> Please inform your dealers		Date Issued June 27, 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	
Applicable Model Mazda6(GJ) with Power Seat	Applicable Countries or Specifications Worldwide		

Subject: Excessive operating noise when sliding front power seat

DESCRIPTION

Some vehicles may exhibit an excessive operating noise when sliding the driver and/or passenger-side front power seat to the front or back by moving the slide switch.

CAUSE

The noise may be caused by vibration of the cable which transmits power from the motor to the gears. The cable vibrates inside the cable case due to inadequate effect of the non-woven fabric wrapped on the cable.

MASS PRODUCTION CHANGE

The thickness of the non-woven fabric has been changed.

BEGINNING VIN & DATE OF MODIFICATION

Mazda6 (GJ)

ADR spec

JM0 GJ **** ** 114247 June 1, 2013

Algerian spec

GJ **** ** 114247 June 1, 2013

General spec

JM6 GJ **** ** 114247 June 1, 2013

JM7 GJ **** ** 114247 June 1, 2013

Israel spec

JMZ GJ **** ** 114247 June 1, 2013

EU spec

JMZ GJ **** ** 140034 June 1, 2013

US spec

JM1 GJ **** ** 125980 June 1, 2013

REPAIR PROCEDURE

When you receive a customer complaint on this concern, verify if an operating noise comes from the driver and/or passenger-side power seat when sliding the seat to the front and back by moving the slide switch.

Replace the power seat cable with a modified one using the following procedure (only for the seat(s) generating noise).

Note:

- Wear work gloves to avoid injuries by the seat frame.
- The repair procedure is explained using the driver-side seat for RH model.
- To show the cable layout clearly, photos of the seat frame condition with the seat cushion removed are used.

1. Fold the seat back forward by operating the reclining switch. Adjust the seat height and tilt positions upward by operating the switch in order to increase work space.

Note: No tilt and height adjustment function is available for the passenger-side power seat.



2. Slide the seat to the rear or front, and remove the installation bolts.

Note: Remove the installation bolts at the rear side first, then at the front.

3. Lay down the seat back with care to avoid damaging the surrounding parts.



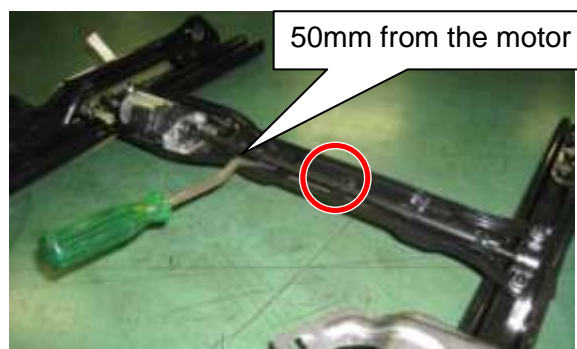
Caution:


After having removed the cable by the following work, DO NOT operate the slide switch. Only one side may slide and the left/right slide positions will deviate causing damage to the adjuster unit.

4. Insert an appropriate tool (a fastener remover) between the frame (□ part in the left picture below) and the cable. Unfix one of the three fixing points of the cable (shown with ○ in the right picture below) by using the tool as a lever.



【Seat Frame condition】



5. Hold the cable by hand and lift it up to release other two fixing points (two of three fixing points shown with  in the right picture below).



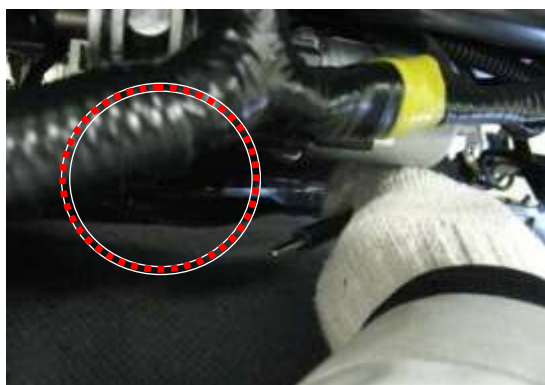
【Seat Frame Picture】



Caution:

When removing the cable, remove it from the motor side first. If it was removed from the gear box side first, the engagement position could misalign.

6. Pull the cable in the direction of the arrow in the right picture below to remove from the motor.



【Seat Frame condition】



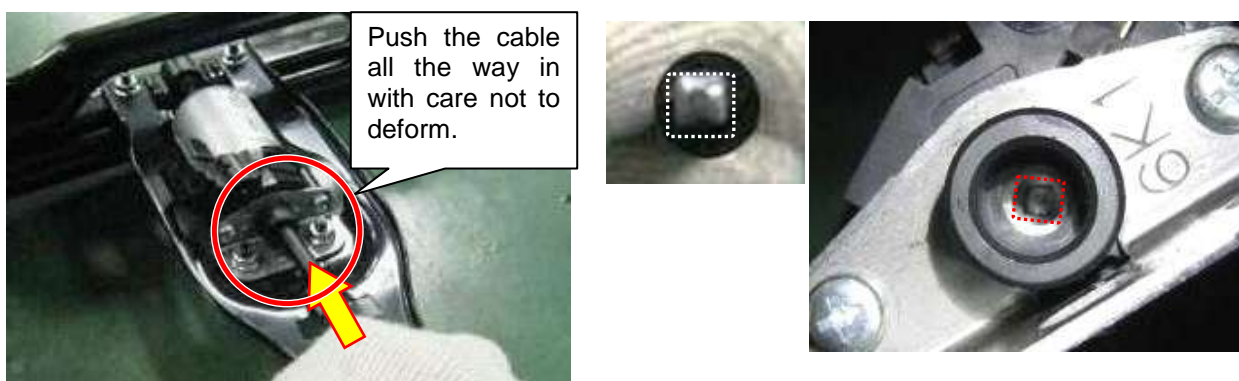
7. Pull the cable in the direction of the arrow in the picture below to remove from the gear box.

【Seat Frame condition】



※Discard the old cable.

8. Align the square tip (□shape) of a new modified cable and the square shape in the motor, and push the cable all the way in.
【Seat Frame condition】



9. Align the square tip (□shape) of the cable and the square shape in the gear box, and push the cable all the way in.
【Seat Frame condition】



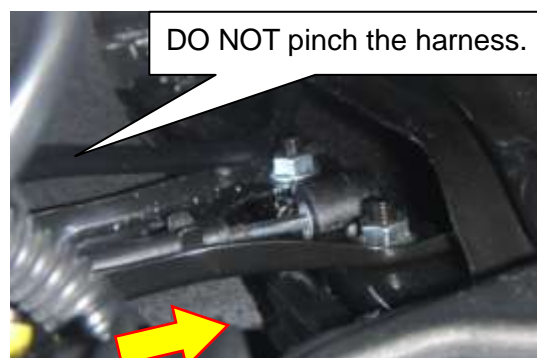
Caution:

If the cable is bent too much during installation, operation noise may occur later. DO NOT hold around the tip of cable.



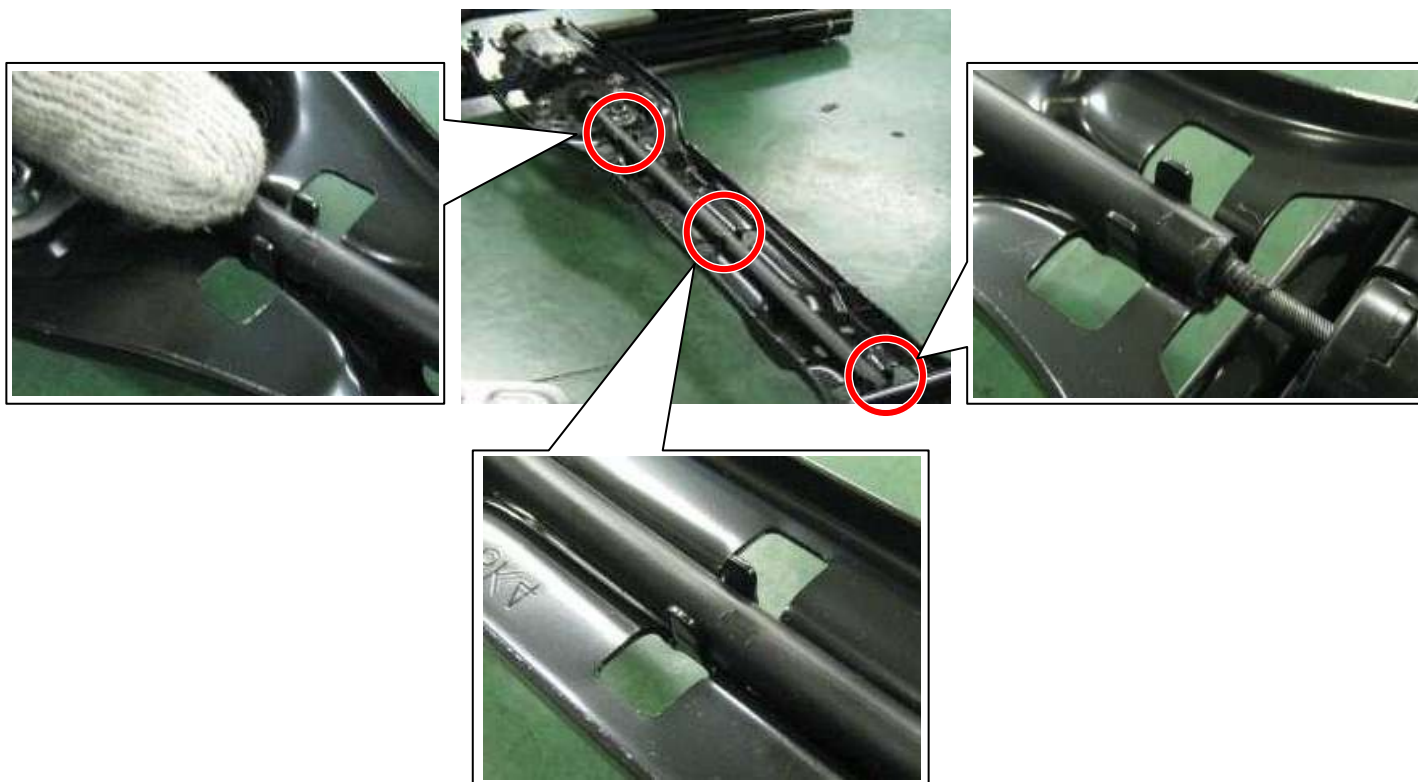
Note:

- If work space is too dark to see properly, use a light to illuminate the spot where the cable should be inserted.
- Take caution not to pinch the seat belt buckle harness when installing it.



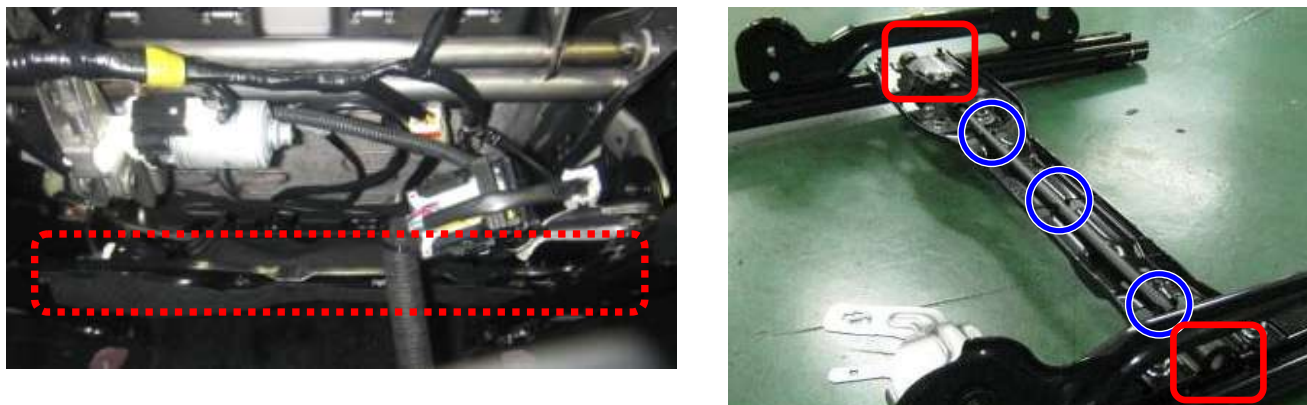
10. Press the cable from above with fingers and fix it at the bracket.

【Seat Frame condition】



11. Looking from under the seat, confirm that the cable is not curved or floated.

【Seat Frame condition】



- : Check installation condition of cable to motor and gear box
- : Check fixing condition of cable to frame

12. Install the seat.

13. Verify the repair. Verify the seat slides to the front and back without problem by the switch operation and no noise occurs during the operation.

Possible abnormal conditions when the cable is not installed correctly

- The seat slides only on one-side rail and the left/right slide positions will deviate.
- A rasping type noise is caused.

14. (Except Europe):For the seat with the seat weight sensor, perform the seat weight sensor inspection according to the Workshop Manual [SEATWEIGHT SENSOR REMOVAL/INSTALLATION [TWO-STEP DEPLOYMENT CONTROL SYSTEM]

PART INFORMATION

Part Number	Part Name	Q'ty	Remark
New			
GHL2-88-0D1	Power seat cable	1 or 2	2 pieces are necessary when replacing at both seats.

WARRANTY INFORMATION

Assembly group	S - Body
Subassembly group	09 - SEATS & SEAT BELTS
Symptom Code	80
Damage Code	97
Causal Part No.	GHL2-88-0D1
Q'ty	1 or 2
Operation No. & Labor Hours	XXJ8TXRX 0.3H : One side (w/o seat weight sensor) / (with seat weight sensor)
	XXJ8UXRX 0.4H : Both sides (w/o seat weight sensor)
	XXJ8VXRX 0.5H : Both sides (with seat weight sensor)
Period Covered	Normal warranty period

Ryu Shimizugawa
Manager, Technical Information Gr.
Technical Service Dept.
Mazda Motor Corporation
1D12925557 (MC Internal Use)