

Technical Service Bulletin

Mazda North American Operations
Irvine, CA 92618-2922

**Subject:**

**EXCESSIVE OPERATING NOISE WHEN SLIDING FRONT POWER
SEAT(S)**

Bulletin No.: 09-005/18

Last Issued: 07/13/2018

BULLETIN NOTES

This bulletin supersedes the previously issued bulletin(s) listed below. The changes are noted in Red text.

Previous TSBs:	Date(s) Issued:
09-005/18	1/29/2018
09-011/17	04/11/2017 and 11/13/2017
09-003/17	01/13/2017
09-021/13	07/09/2013

DESCRIPTION

APPLICABLE MODEL(S)/VINS

2014-2016 Mazda3 vehicles equipped with power seats with VINs lower than JM1BM*****355940
(produced before June 23, 2016)

2017-2018 Mazda3 vehicles equipped with power seats with VINs lower than JM1BN*****170450
(produced before Sep. 21, 2017)

2014-2017 Mazda6 vehicles equipped with power seats

2013-2016 CX-5 vehicles equipped with power seats with VINs lower than JM3KE*****893935 (produced
before Nov. 1, 2016)

2016 CX-9 vehicles equipped with power seats with VINs lower than JM3TC***** 127218 (produced before
Nov. 1, 2016)

Some vehicles may exhibit excessive operating noise when sliding the driver and/or passenger power seat(s) back and forth. The noise may be caused by cable vibration, which transmits power from the motor to the gears. The cable vibrates inside the cable casing due to inadequately wrapped fabric around the cable. To eliminate this concern, the power seat cable has been changed to a type that produces less friction and noise.

Customers having this concern should have their vehicle repaired using the following repair procedure.

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REPAIR PROCEDURE

1. Verify the customer concern by sliding the seat back and forth with the power seat slide switch.

NOTE:

- The repair procedure below is explained using a RH drive model, so the images are shown in reverse.
- To show the cable layout more clearly, the images are shown with the seat cushion removed from the seat frame, however, it is not necessary to remove the seat cushion for this repair.
- Replace the power seat cable with a modified part, only on the seat(s) that are making noise.



2. Fold the seat back forward by operating the reclining switch.

WARNING: Always wear work gloves to avoid injuries from sharp seat frame edges, etc.

3. In order to increase work space, adjust the seat height and tilt positions upward with the switch.

NOTE: There is no tilt or height adjustment available on the passenger-side power seat.

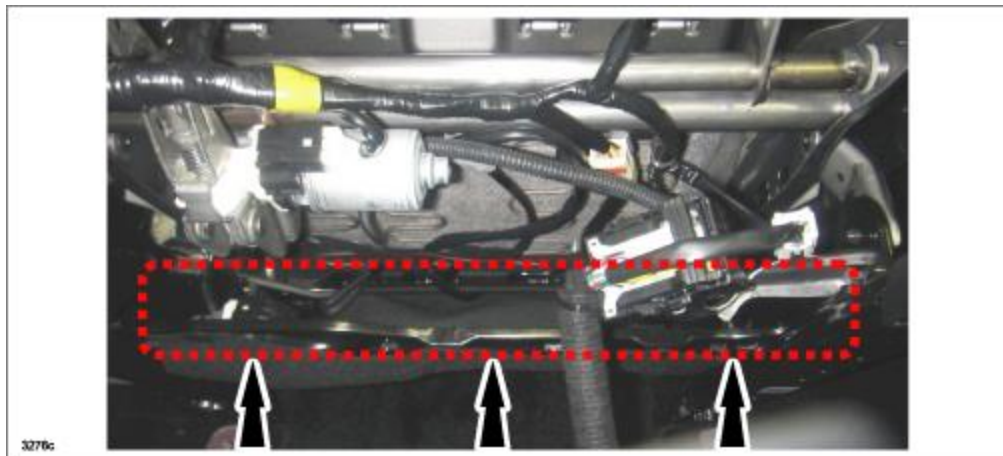
4. Slide the seat all the way forward.

5. Remove the rear side installation bolts from the seat first, then remove the front bolts.

6. Lay the seat back down being careful to avoid any damage.



7. Insert a screwdriver between the frame and the cable (shown in the red rectangle below).



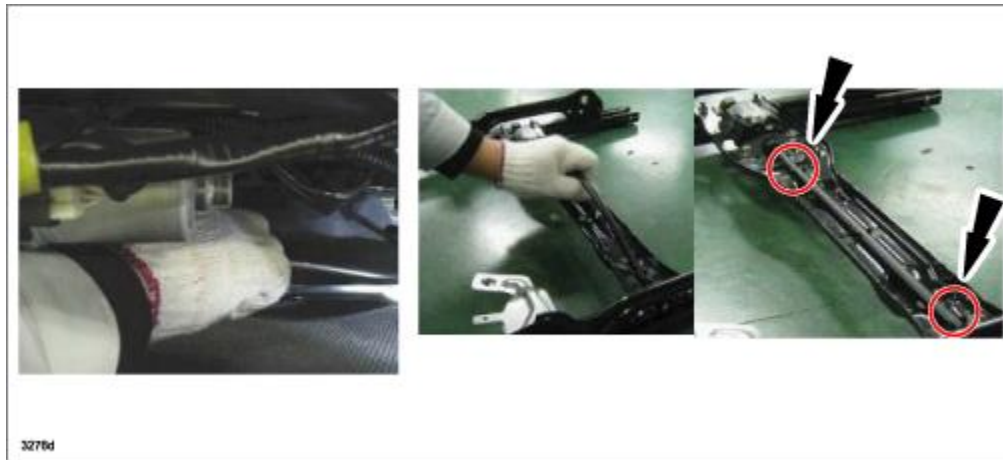
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8. Using the screwdriver (1), release the center cable fixing point, as shown below.



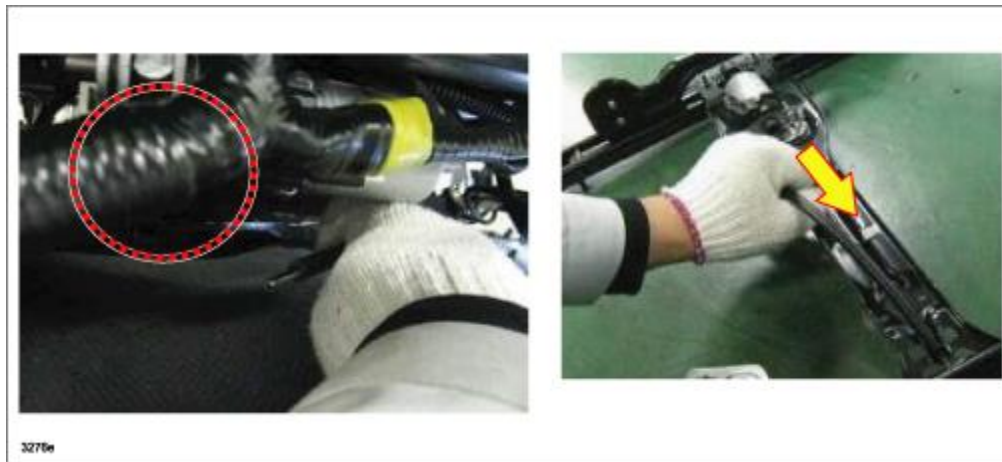
CAUTION: After removing the cable, DO NOT operate the slide switch, otherwise, it may cause damage to the adjuster unit.

9. Holding the cable by hand, lift it up to release other two (2) fixing points.



CAUTION: When removing the cable, remove it from the motor side first. If it is removed from the gear box side first, the engagement position could be misaligned.

10. Pull the cable in the direction of the arrow (as shown below) to remove it from the motor.



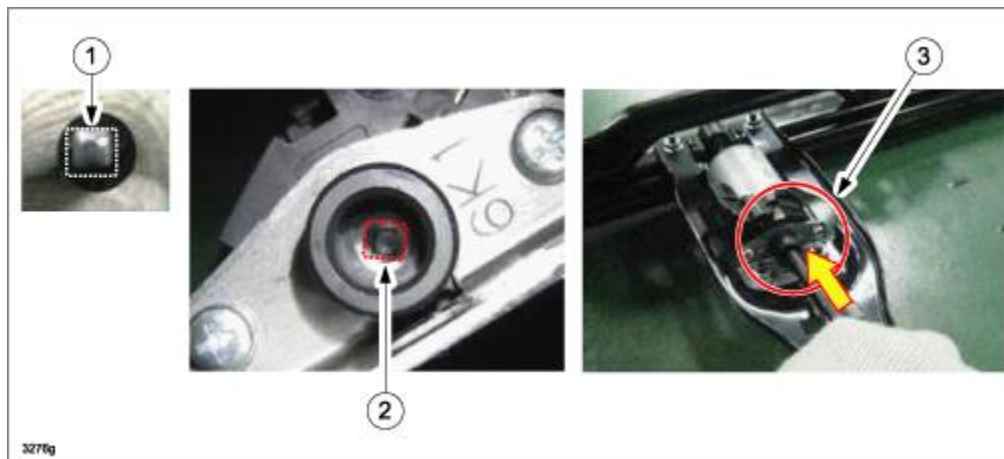
11. Pull the cable in the direction of the arrow (as shown below) to remove it from the gear box.



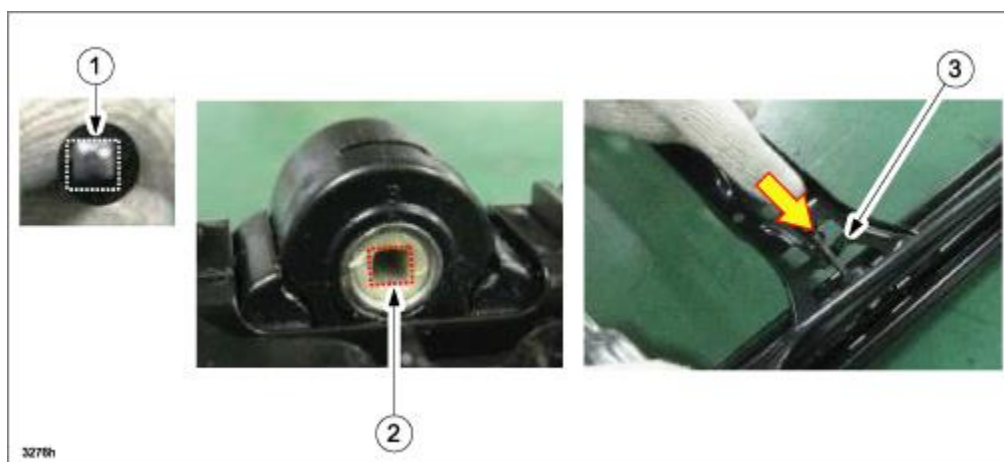
CAUTION: If the new cable is bent too much during installation, operational noise may occur. DO NOT hold the new cable around the ends.

NOTE: If the cable is not installed correctly, the seat may slide on only one-side rail and the left/right slide positions will not be equal. Also, a rasping type noise could be created.

12. Align the square tip of the new cable (1) with the square shape of the motor (2) and push the cable all the way in (3).



13. Align the square tip of the new cable (1) with the square shape of the gear box (2) and push the cable all the way in (3).



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

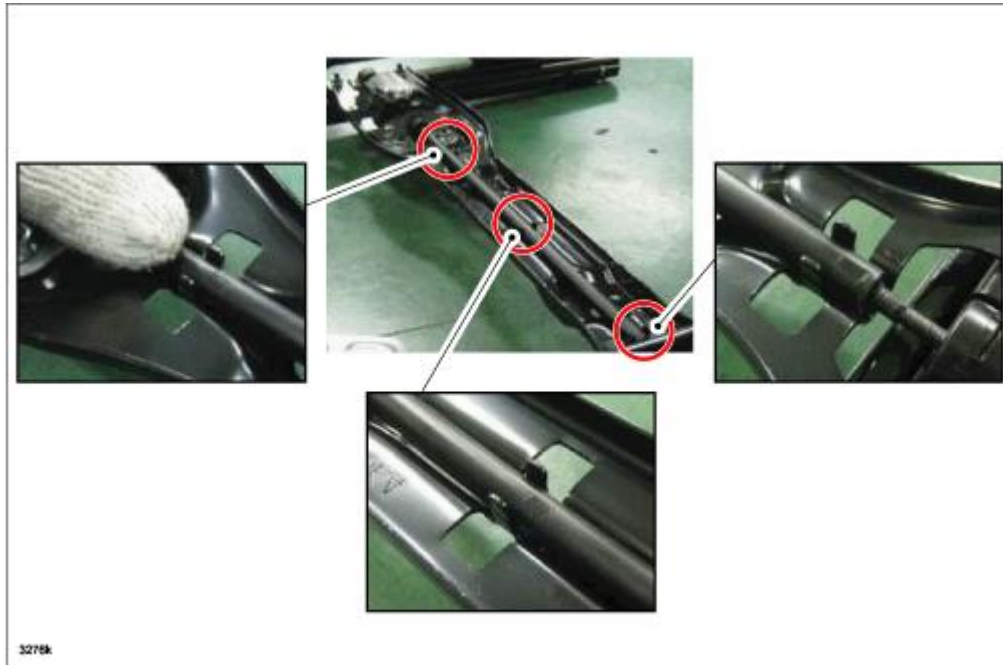
**NOTE:**

- If the work space is too dark to see clearly, use a shop light to illuminate the spot where the cable will be inserted.
- Take care not to pinch the seat belt buckle harness (1) during the repair.

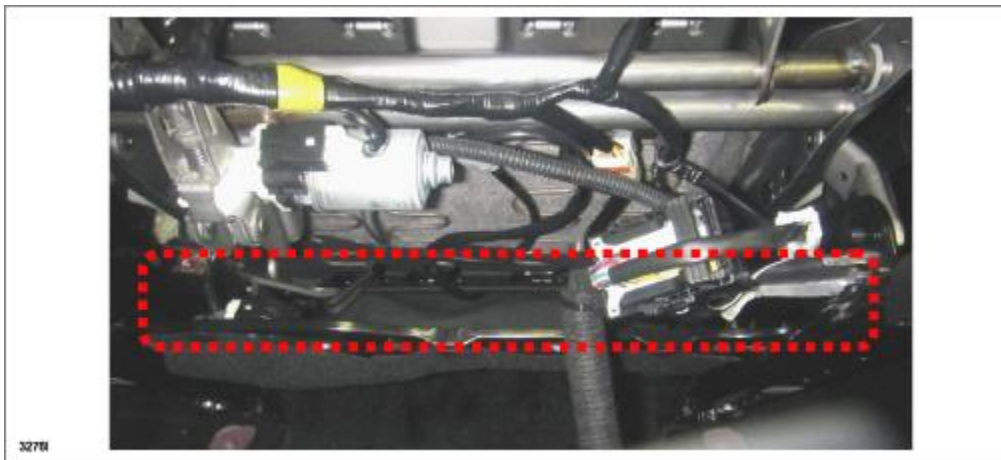


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14. Press the cable firmly in by hand and secure it along the bracket (as shown below).

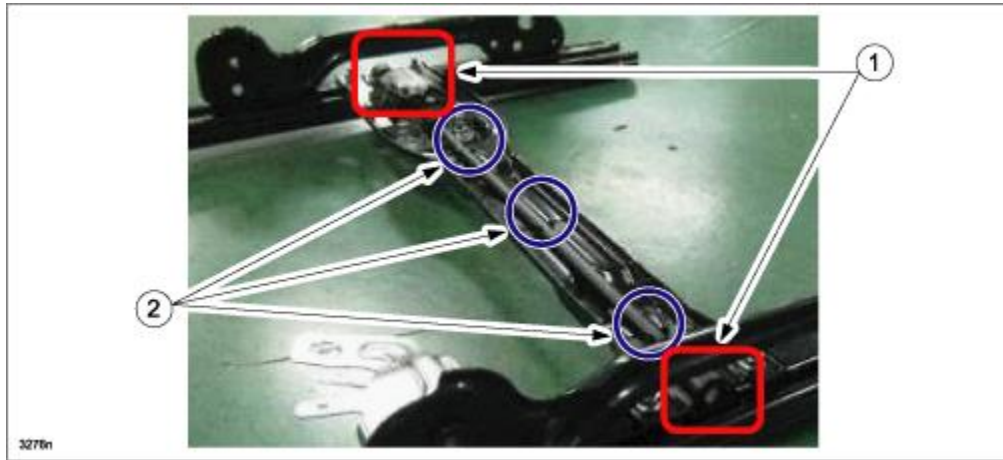


15. Look from under the seat and confirm the new cable is not bent, curved or floating.



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16. Check the installation of the cable to the motor and to the gear box (1) and the installation of the cable along the frame (2).



17. Reinstall the seat.

18. Verify the seat slides back and forth properly and without any unusual noises.

19. **(Seats with seat weight sensors):** Perform the seat weight sensor inspection according to the instructions on MGSS online (OCCUPANCY SENSOR INSPECTION).

PARTS INFORMATION

Part Number	Description	Qty.	Applicable Model(s)
TK81-88-0D1	Cable Assy.	1 or 2	Mazda6, CX-5, CX-9
Note: Two (2) cables are necessary when replacing both sides.			
BJY3-88-0D1	Cable Assy.	1	Mazda3

WARRANTY INFORMATION**NOTE:**

- This warranty information applies only to verified customer complaints on vehicles eligible for warranty repair.
- This repair will be covered under Mazda's New Vehicle Limited Warranty term.
- Additional diagnostic time cannot be claimed for this repair.

Warranty Type	A
Symptom Code	82
Damage Code	97
Part Number Main Cause	TK81-88-0D1 (Mazda6, CX-5, CX-9) or BJY3-88-0D1 (Mazda3)
Quantity	1 or 2
Operation Number / Labor Hours:	XXJ8TXRX / 0.3 Hrs. (One side - with or without seat weight sensor) XXJ8UXRX / 0.4 Hrs. (Both sides - without seat weight sensor) XXJ8VXRX / 0.5 Hrs. (Both sides - with seat weight sensor)

NOTE: This service bulletin only applies to vehicles equipped with power seats.

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