

# 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

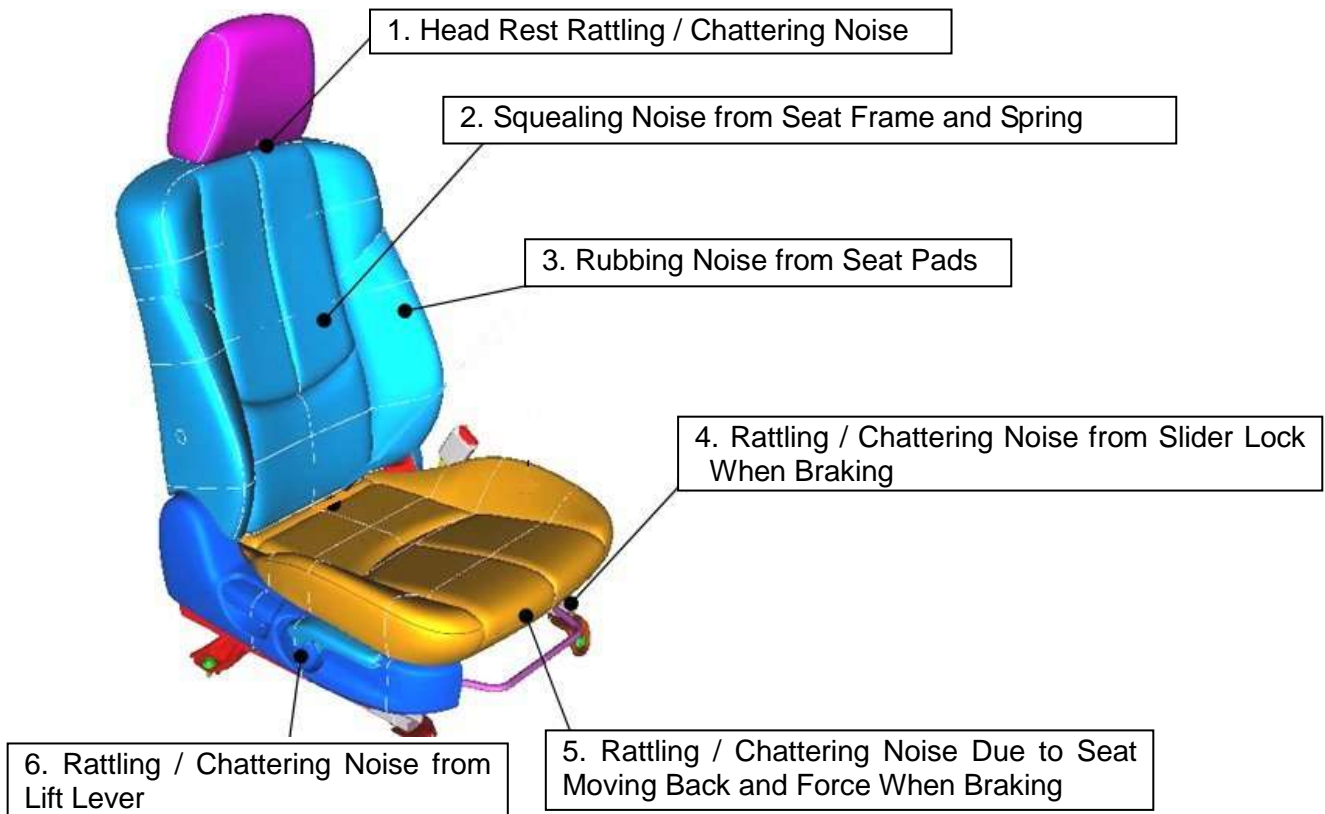


Category <b>S</b>	<b>Technical</b>	Ref. No. E001/09	Page 1 of 2
Coverage <input type="checkbox"/> Distributor only <input checked="" type="checkbox"/> Please inform your dealers		Date Issued January 6, 2009	
Please convey this information to your <input type="checkbox"/> Director <input checked="" type="checkbox"/> 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  Multiple Models		Applicable Countries or Specifications  Worldwide	

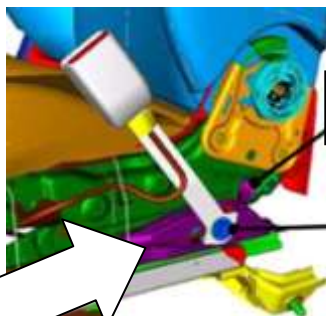
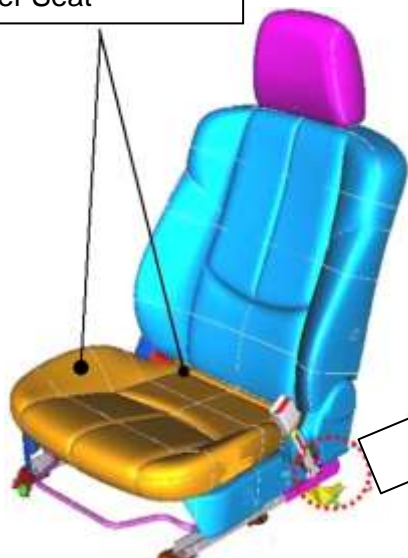
## Subject: Repair Procedure for Unusual Noise from Front Seat

### DESCRIPTION

This is to advise you on general repair procedures for various kinds of unusual noise from a front seat. When you encounter a customer complaint, verify the symptom and determine the noise location, then select an appropriate procedure.



9. Rubbing Noise from  
Leather Seat



7. Squeaking Noise from Lifter  
Link

8. Chattering Noise from Seat Belt  
Base

A handwritten signature in black ink, which reads "Shinji Kanai".

Shinji Kanai  
Manager, Technical Information Gr.  
Technical Service Dept.  
Mazda Motor Corporation

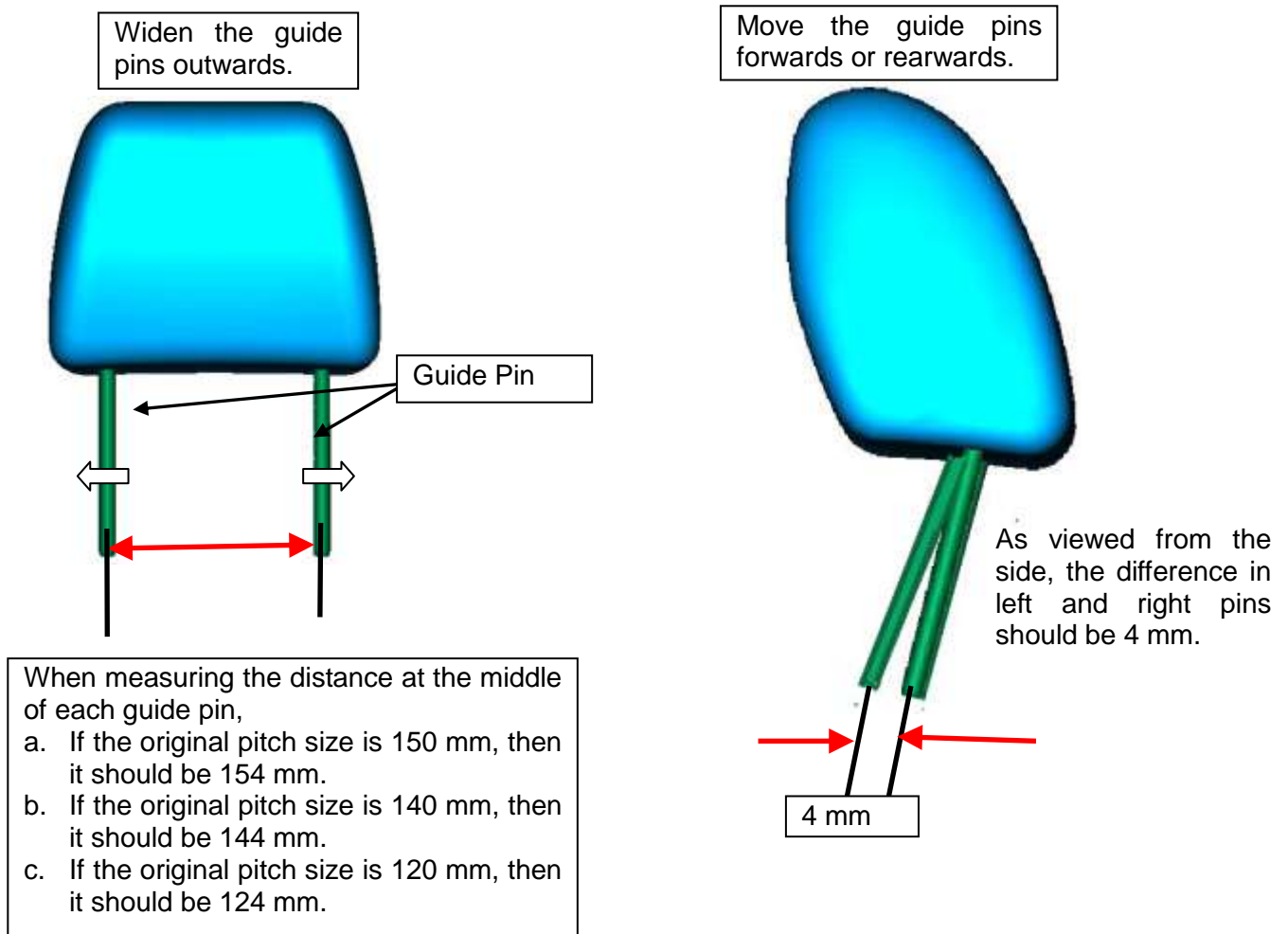
## < 1. Rattling or Chattering Noise from Head Rest>

Symptom: There is looseness in the head rest, making a rattling or chattering noise.

Cause: The looseness exists between the guide pin and pole guide or between the pole guide and pole guide base.

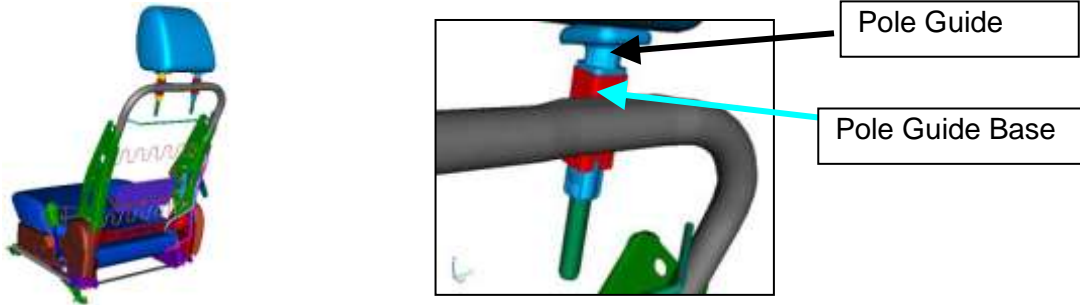
Repair Procedure:

1. Remove the head rest and widen the guide pins by 4 mm outwards. Then, move one forward and the other one rearward until the difference of the left and right guide pins is 4 mm.
2. Fit the head rest back, and confirm if the noise is still occurring.

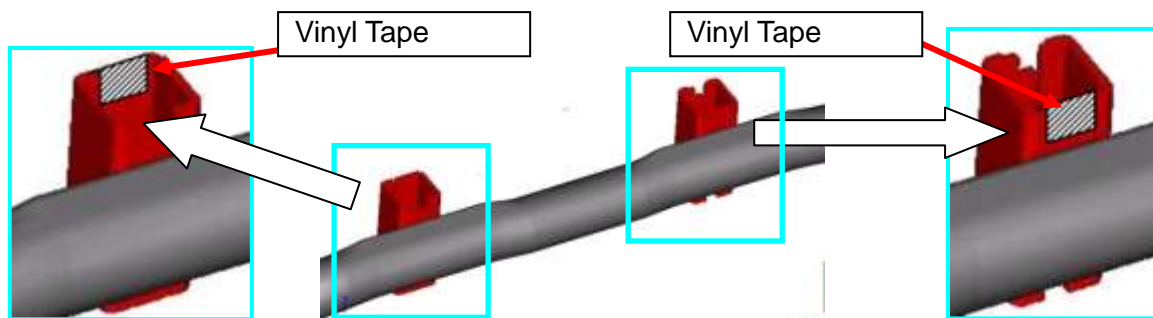


**If the noise is still occurring after the above steps, then go to the following steps.**

3. Attach vinyl tape to the pole guide bases (both right and left) as per the following steps.
  - 1) Remove the head rest.
  - 2) Pull up the bottom of the seat trim. Put your hands in the trim and pull the pole guide upward to remove while pushing the hooks on both left and right sides.



- 3) Attach the vinyl tape to the pole guide bases (right and left).



- 4) Fit the pole guides back, then re-install the trim and head rest.

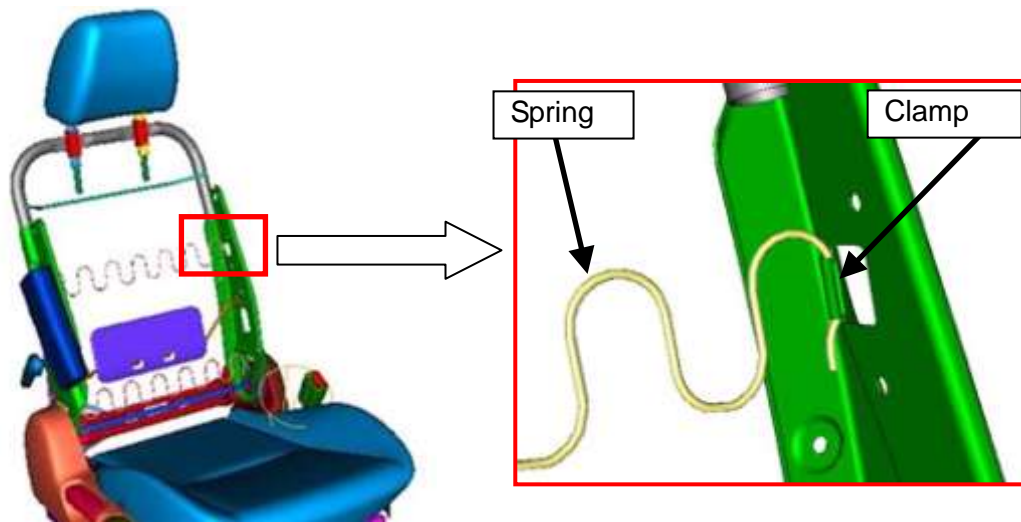
## < 2. Squeaking Noise from Seatback Due to Frame and Spring Contacting Each Other (Metal Noise)>

Symptom: When sitting in the seat and moving the body left and right, a squeaking noise is heard from the seat back.

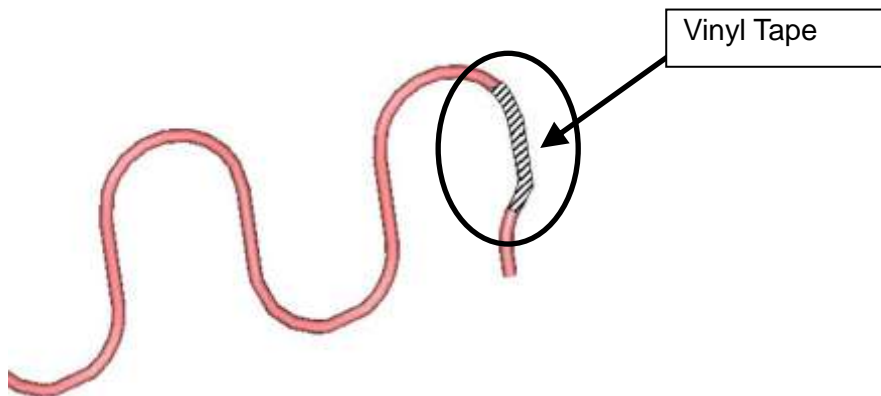
Cause: The frame (clamp) makes contact with the spring.

Repair Procedure:

1. Widen the clamp and remove the spring.



2. Wrap the vinyl tape around the clamp-fitted point on the spring.

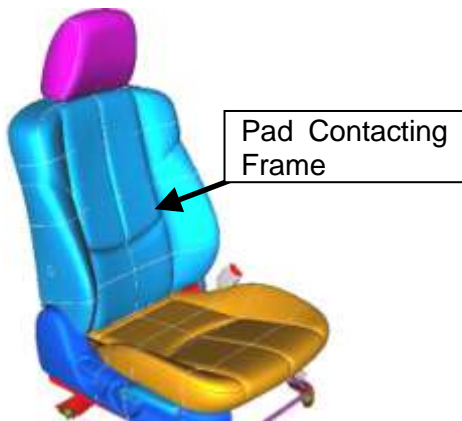


3. Fit the spring back to the clamp. (Squeeze the clamp to secure.)
4. Shake the spring back and forth to make sure that the base of the spring does not move.
5. Re-install all the removed parts.

### < 3. Squeaking Noise from the Seat Due to Frame and Urethane Pad Contacting Each Other>

Symptom: When getting in or out of the car or moving the body on the seat, a squeaking noise is heard from the seat.

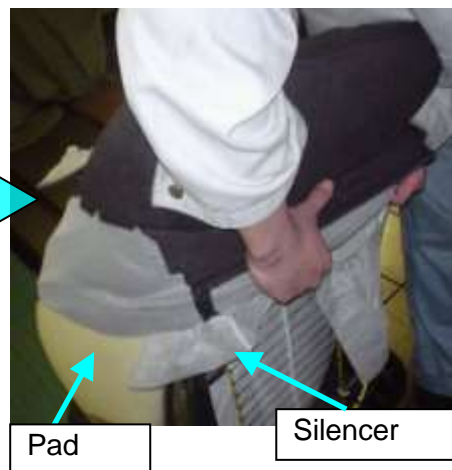
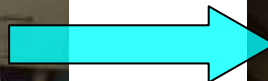
Cause: The frame and urethane pad make contact with each other when the body is moving on the seat.



Repair Procedure:

Install the silencer between the frame and the pad.

Note: Cut off a surplus (sticking out from the seat) portion of the silencer.

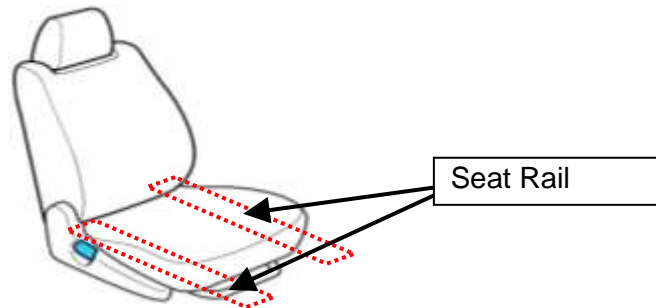


Silencer: Parts No.: GJ6A 88 049 (for seat without side air bag)  
Parts No.: GJ6E 88 049 (for seat with side air bag)

#### < 4. Clunking Noise from Slider Lock >

Symptom: Clunking noise is heard from the slider lock when braking.

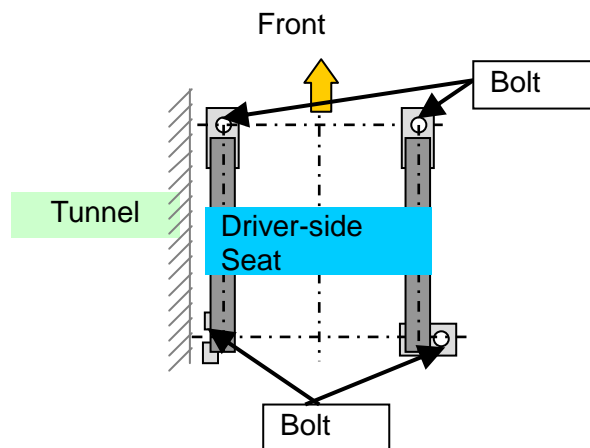
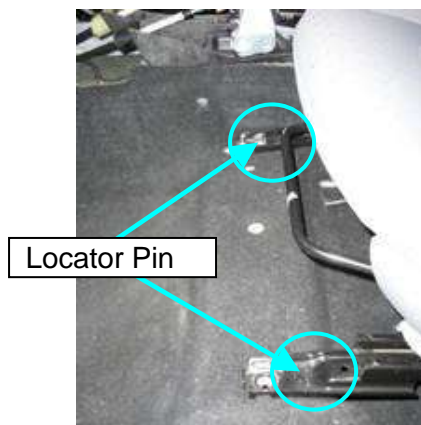
Cause: The locations of the seat rails (both sides) go out of position.



Repair Procedure:

Loose the seat ass'y as per the Workshop Manual, then perform the following steps when re-installing it to the vehicle.

1. Insert both left and right locator pin(s) (front side) into the floor.



2. Move the seat slider forward by approx. 1/3 of the rail, then tighten the bolts on the rear side of the seat slider rails.
3. Move the seat slider rearward by approx. 1/3 of the rail, then tighten the bolts on the front side of the seat slider rails.



Service Points When Tightening Seat Slider Bolts:

1. Seat locator pins are located in the front side of the seat rails. First temporarily fix the front side, then tighten the rear side bolts first.
2. After tightening all the bolts, shake the seat back and forth to make sure that the seat slider has been installed firmly.

### < 5. Seat Gets Shaky Back and Forth and Makes Noise When Braking >

Symptom: When positioning the seat cushion to the highest position, the seat gets shaky back and forth and makes an unusual noise.

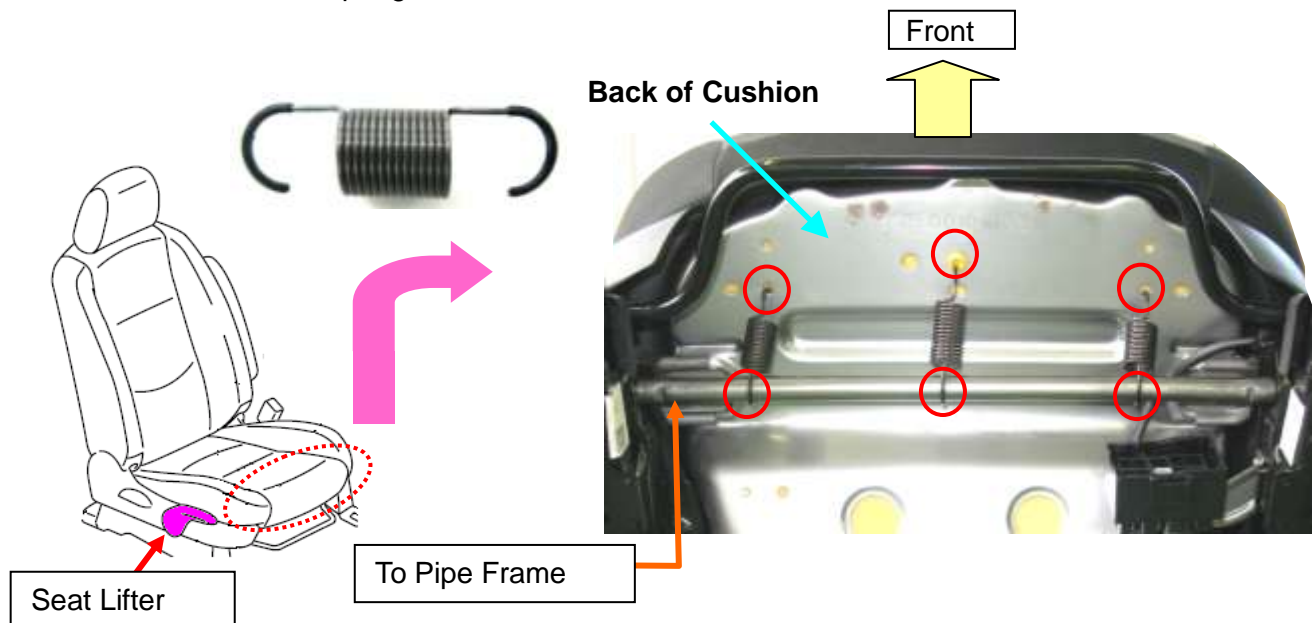
Cause: Pantograph type seat lifter is employed. As the lifter is raised and getting upright, the seat gets shaky.

Repair Procedure:

Install 3 pieces of springs to the back of the seat cushion (seat pan and pipe frame).

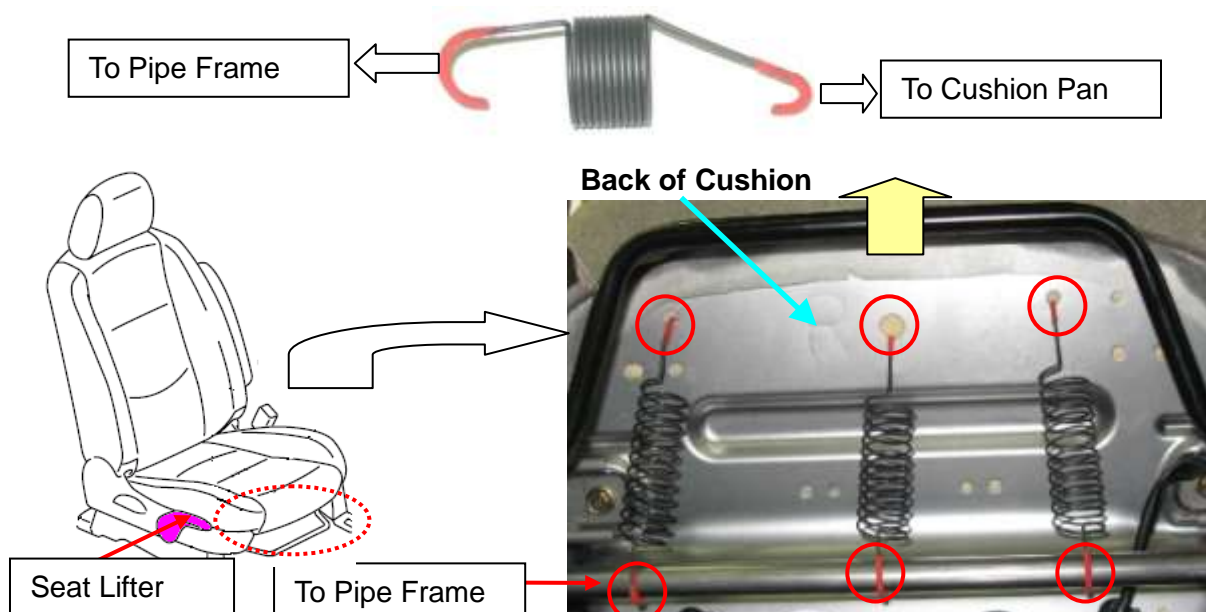
Note: The shape of the spring varies depending on the seat type.

Type A: Mazda2 (DY / MC Production Only), Mazda5 (CR), Mazda6 (GG/GY), RX-8 (FE/SE)  
For these models, use Spring C2Y1-88-601.



Type B: Mazda8 (LY), Mazda3 (BK), CX-9(TB), CX-7(ER)  
For these models, use Spring L2Y1-88-601.

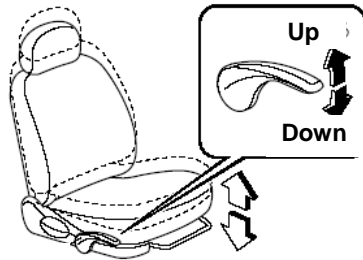
Note: Please note that the hooks of this spring vary depending on which side they are fitted to.





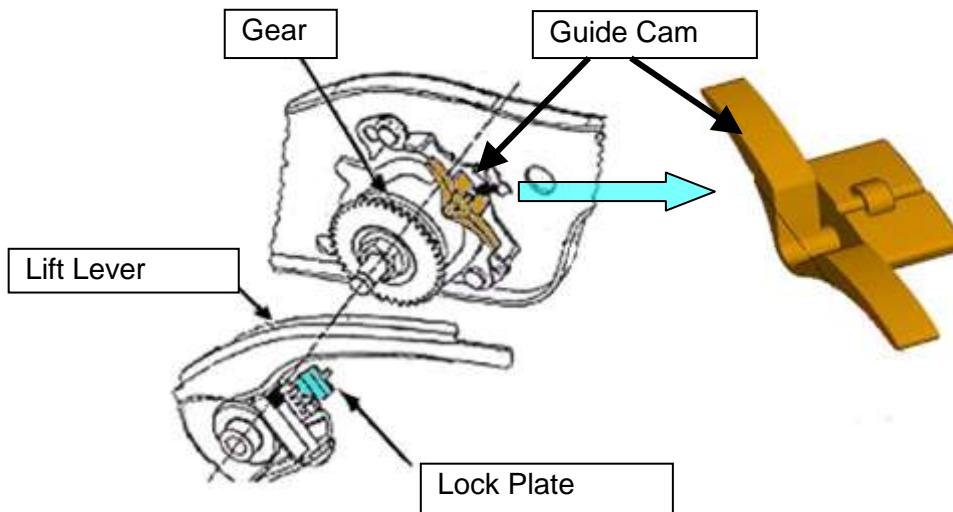
### < 6. Chattering Noise from Driver-side Seat Lift Lever >

Symptom: Chattering noise is heard from the driver-side seat lift lever. In some cases the driver-side seat lift cannot be adjusted.



Subject Models: Mazda2 (DY / MC Production Only), Mazda3 (BK), Mazda5 (CR), Mazda6 (GG/GY), Mazda8 (LY), CX-7 (ER), RX-8 (FE/SE)

Cause: The lock plate comes off from the guide cam. This occurs because the seat lift lever is operated forcibly.



#### Repair Procedure:

Replace the guide cam and spring with the following service parts. (Please refer to R048/07 for the detailed procedure.)

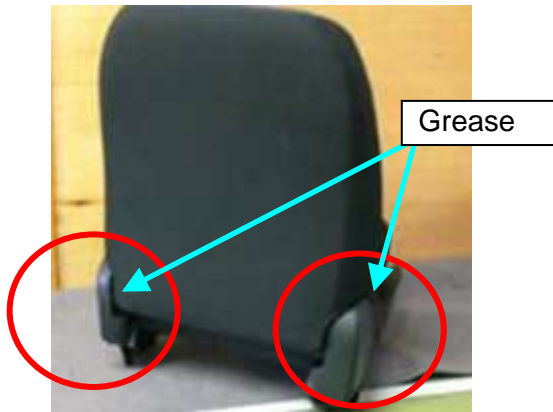
Part Name	Part Name	Q'ty
C243-88-684	Guide Cam	1
C243-88-015	Spring	1

## < 7. Squeaking Noise from under the Driver-side Seat (Lifter Link)>

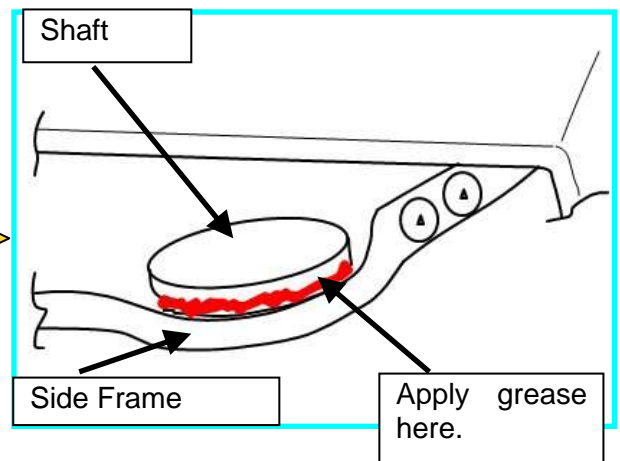
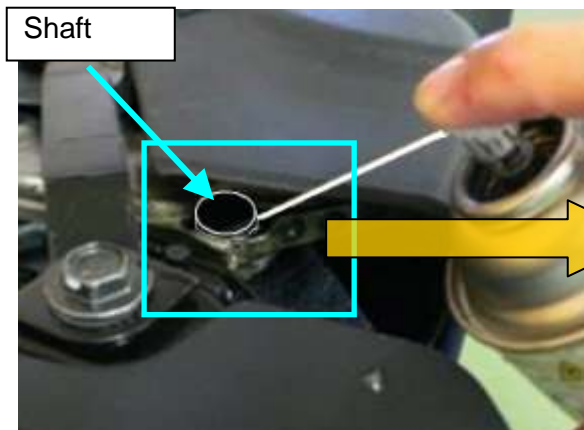
Symptom: Squeaking noise is coming from under the driver-side seat when getting in or out of the vehicle or turning a corner.

Repair Procedure:

1. Position the seat lifter to the highest position, then remove the seat ass'y from the vehicle.



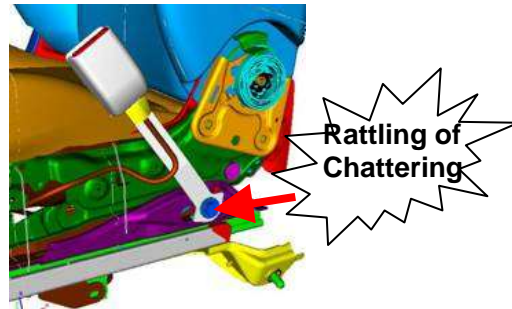
2. Place the seat on its side.  
Note: Do not allow the seat to get dirty.
3. Apply spray grease between the shaft and side frame. (Apply to the both sides.)  
Note: Molybdenum type grease is recommended.



4. Re-install the seat to the vehicle.
5. Operate the seat lifter several times in order to spread the grease.

### < 8. Rattling or Chattering Noise from Seat Belt Buckle >

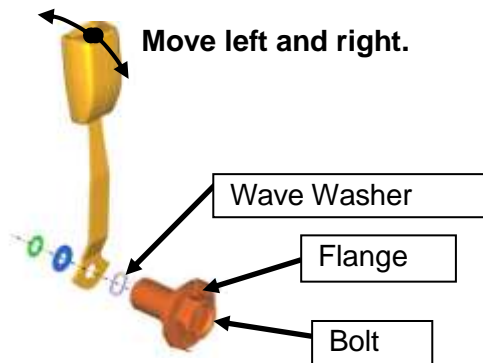
Symptom: Rattling or chattering noise is heard from the seat belt buckle when driving.



Cause: The bolt and wave washer come into contact with each other.

Repair Procedure:

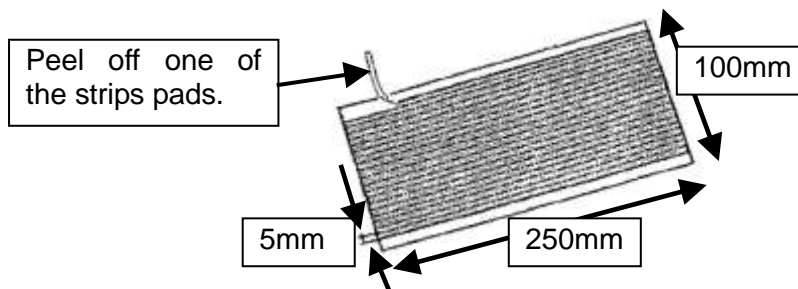
First verify the noise by moving the buckle left and right. If the noise occurs, then replace the bolt with the following service part.



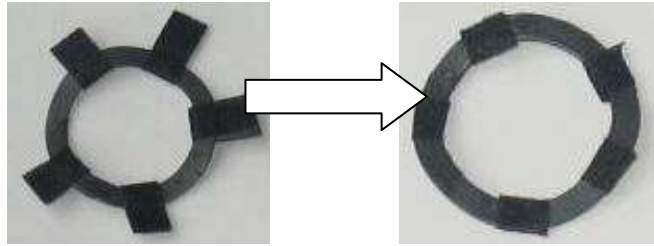
Part Name	Part Name	Q'ty	Remark
L528-57-811	Bolt	1 pc per seat	Mazda2 (DY [MC Production Only], DE), Mazda5 (CR), MX-5 (NC), Mazda8 (LY) with Power Seat
L206-57-811	Bolt	1 pc per seat	Mazda8 (LY) with non-Power Seat
TD11-57-811	Bolt	1 pc per seat	CX-9(TB)

If an urgent repair is necessary and you do not have the bolt on hand, you can repair using the following procedure as well.

- 1) Select the following pad sheet (bunch of 5-mm strip pads) from the Noise Repair Kit (K001-W0-225).



- 2) Wrap the 5-mm strip pads the wave washer at 5 locations as follows, then cut off a surplus portion.



- 3) Re-install the removed parts.  
Note: Do NOT apply grease. Make sure that the buckle can move.

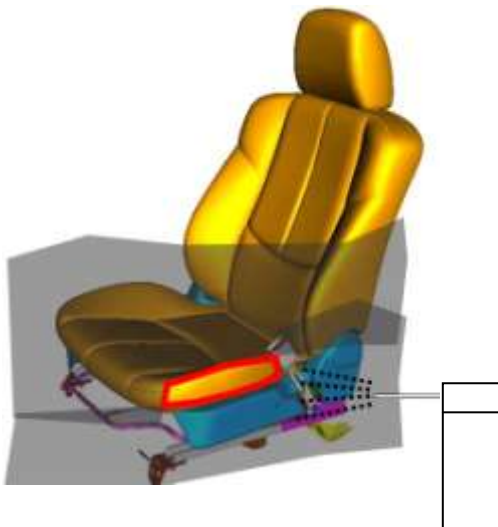
## < 9. Squeaky Noise from Leather Seat >

Symptom: Squeaky noise occurs when the leather surface contact each other. This noise is hard to correct because of the nature of the material.

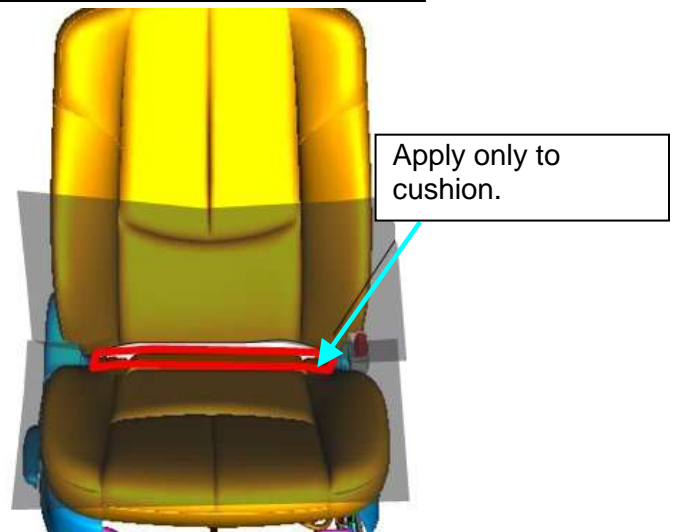
Repair Procedure: Apply silicone grease to the leather surfaces where are contacting each other as per the following procedure.

1. Remove the seat from the vehicle.
2. As preparation for the grease application, apply masking tape around the surface where the grease will be applied.  
Note 1: Do not use silicone spray inside the vehicle cabin because it may cause troubles in electrical parts.  
Note 2: Be careful not to apply the silicone grease to electrical parts on the seat. (Please note that there is a electrical switch inside the seat belt as well.)  
Note 3: Silicone grease is hard to remove once it is applied. Do not apply to the floor.
3. Apply the silicone spray. Overspray 2 or 3 times.
4. Using a hair drier, apply heat to the silicone until it does not stick to the finger.  
Note: Heat from the hair drier may get the leather or vinyl surface discolored. Do not allow it to get closer to the surface.

e.g. Console and cushion contact each other.

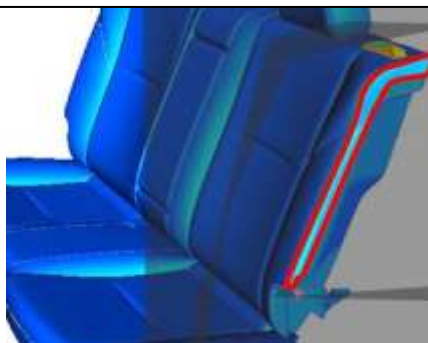


e.g. Cushion and back contact each other.

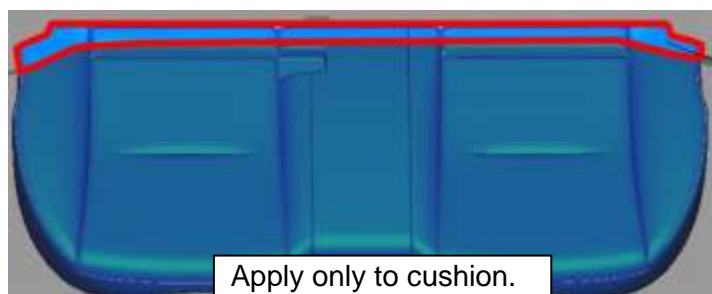


Apply only to cushion.

e.g. Back and trunk side contact each other.



e.g. Cushion and back contact each other.



Apply only to cushion.