

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. R053/14 B	Page 1 of 12
Coverage <input type="checkbox"/> Distributor only <input checked="" type="checkbox"/> Please inform your dealers		Date Issued June 27, 2014	
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 June 30, 2015	
Applicable Model 2014-2015 MY Mazda6 (GJ) North America Mazda6 (GJ) Europe		Applicable Countries or Specifications North America and Europe	

REVISED

Revision NOTE: "PARTS INFORMATION" has been changed.

Subject: Wind Noise from Front Part of Front Door

DESCRIPTION

While driving at 60 km/h or more, some vehicles may exhibit a wind noise which is heard around the front part of the front door (around power outer mirror base).

CAUSE

The wind noise may occur when air is passing through minimal gaps between the parts at the front door front edge and the corresponding body panel.

MASS PRODUCTION CHANGE

Configuration of the front beltline molding and other respective parts have been changed to narrow the gaps between the door and the body panel.

BEGINNING VIN & DATE OF MODIFICATION

Mazda6 (GJ)

Spec.	Beginning VIN	Date of Modification
EC	JMZ GJ **** ** 163020	January 7, 2014
US	JM1 GJ **** ** 167429	January 7, 2014

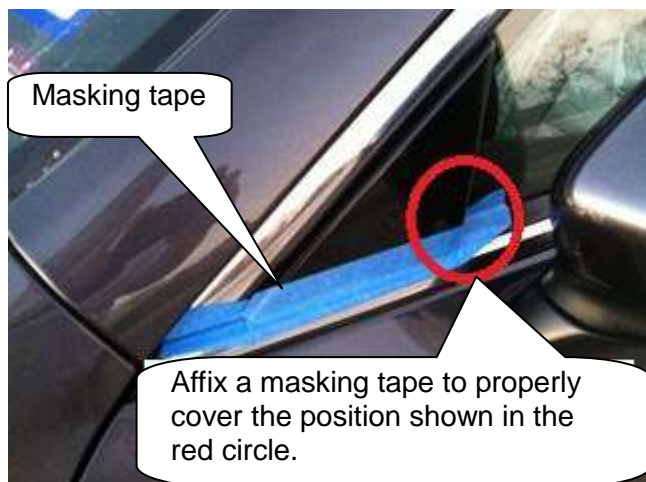
REPAIR PROCEDURE

OUTLINE

1. Verify the customer complaint (wind noise) by driving the vehicle.
2. Verify if the wind noise decreases when installing a masking tape to the problem area.
3. Depending on the verification result, perform the repair procedure A or A&B.

VERIFICATION PROCEDURE

1. Affix a masking tape to the upper part of the front belt line molding as shown in the picture in the next page.



2. Perform a test drive at 60 km/h or more with this condition and confirm if the noise decreases.

- If the noise decreased while test driving, perform only the repair procedure A as follows.
- If the noise did not decrease while test driving, perform the repair procedure A and B as follows.

Repair procedure A

- Replace the inner weather strip and front beltline molding with modified ones.

1. Fully open the front door glass.
2. Remove the front door trim according to the workshop manual "FRONT DOOR TRIM REMOVAL/INSTALLATION".
3. Remove the inner weather strip.



4. Install a modified inner weather strip, and then slide it until it contacts the rear glass run channel.



5. Remove the front beltline molding according to the workshop manual "FRONT BELTLINE MOLDING REMOVAL/INSTALLATION".
6. If you only perform the repair procedure A, install the front door trim and the front beltline molding with a modified one according to the workshop manual "FRONT DOOR TRIM REMOVAL/INSTALLATION" and "FRONT BELTLINE MOLDING REMOVAL/INSTALLATION". Work is completed.

If you perform the repair procedure B as well, continue as follows.

Repair procedure B

Front door

- Replace the front glass run channel and front sash molding with modified ones.
- Install a foam rubber to the power outer mirror harness.
- Install a foam rubber between door body panel and module panel.
- Install a urethane pad to the front door trim.

Rear door

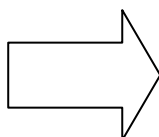
- Replace the inner weather strip and rear beltline molding with modified ones.
- Replace the rear glass run channel and rear sash molding with modified ones.
- Install a urethane pad to the rear door trim.

Front door

1. Pull both edges of the front glass run channel and remove it from the front door.



2. Apply soap sud to the contacting surface of modified front glass run channel to the front door glass and door panel.
3. Insert both ends of the front door glass run channel between the front door glass and door panel, then install the whole front door glass run channel.

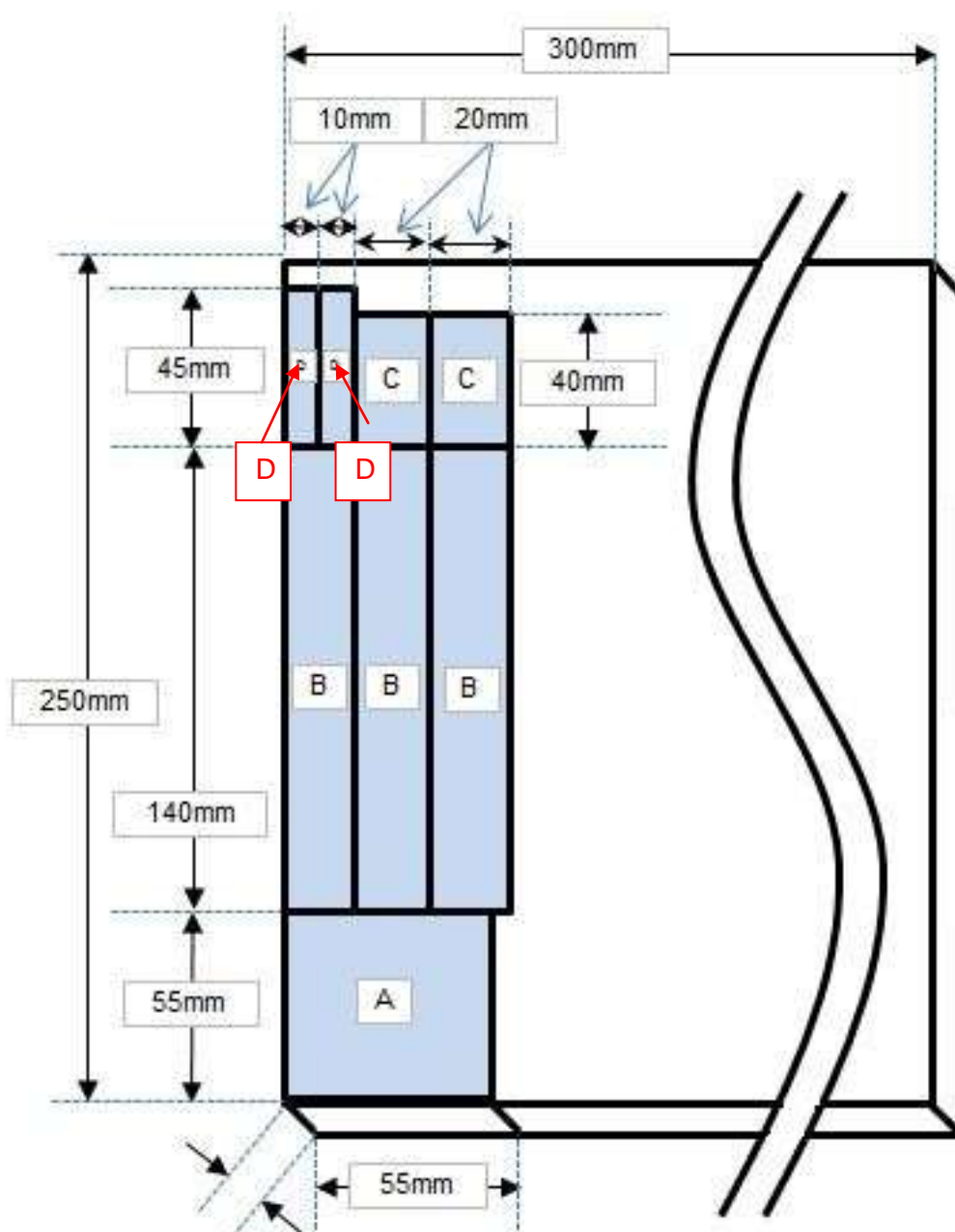


4. Replace the front sash molding with a modified one according to the workshop manual "FRONT SASH MOLDING REMOVAL" and "FRONT SASH MOLDING INSTALLATION".
5. Remove the power outer mirror according to the workshop manual "POWER OUTER MIRROR REMOVAL/INSTALLATION".

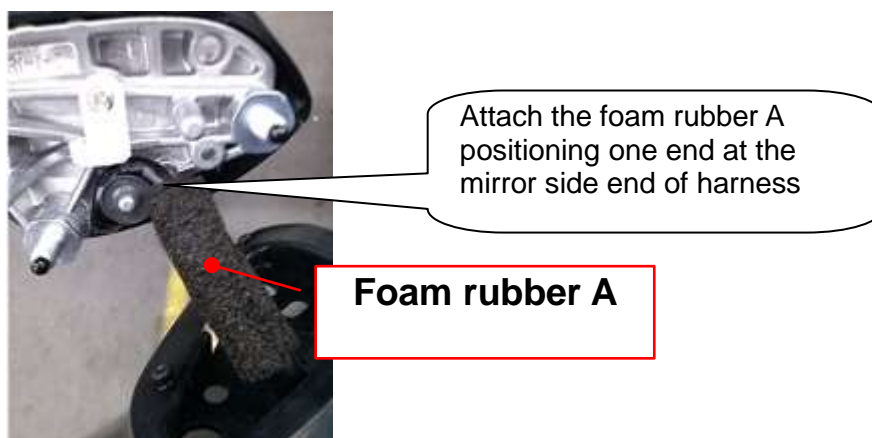
6. Remove the seal rubber from the power outer mirror.



7. Select a sheet of foam rubber in 5 mm thickness from the "Noise Repair Kit K001 W0 225" and cut it into four types of sizes as shown in the below picture (in total 8 pieces).



- Attach the Foam rubber A all around the harness, positioning one end at the mirror side end of harness as shown in the picture.
Note: Do not overlap the pad on the harness.

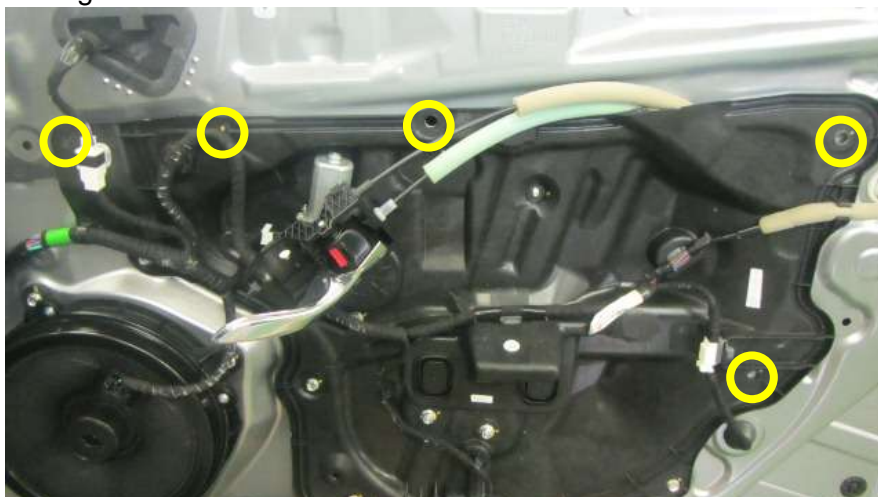


- Install the seal rubber at the original position.

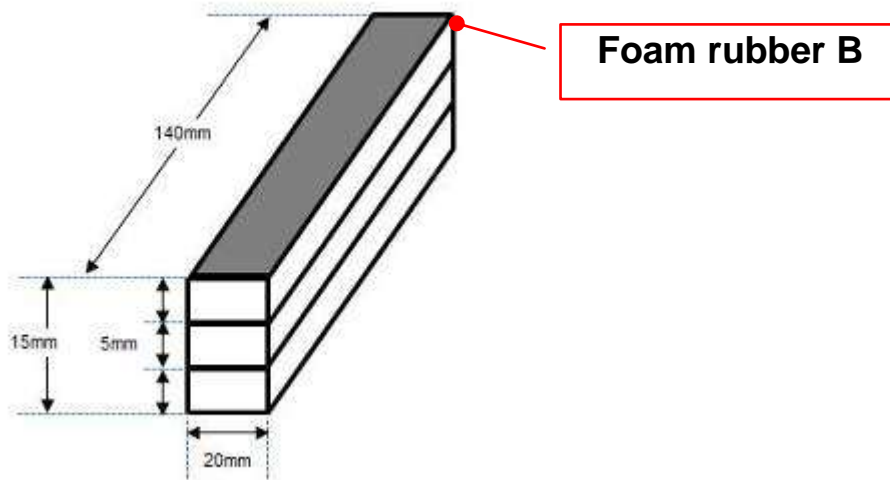


Note: After installing the seal rubber, confirm if the pad is installed to the harness correctly as shown in the picture.

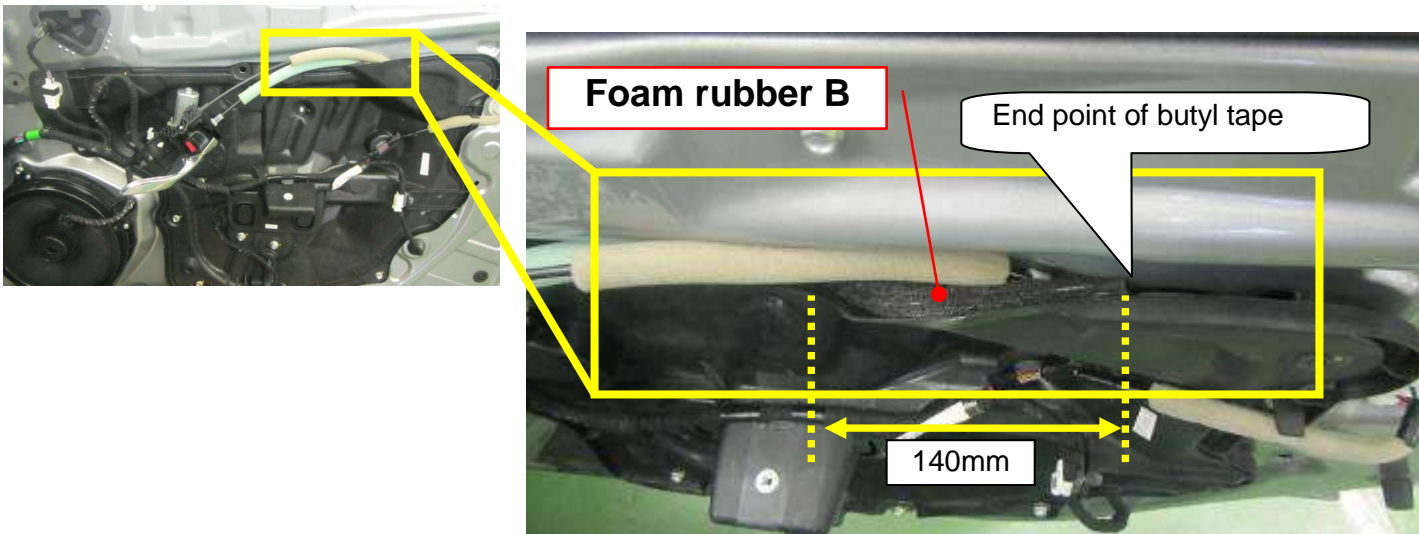
- Install the outer mirror according to the workshop manual "POWER OUTER MIRROR REMOVAL/INSTALLATION".
- Remove the fixing bolts and fasteners of front door module panel marked in the below figure.



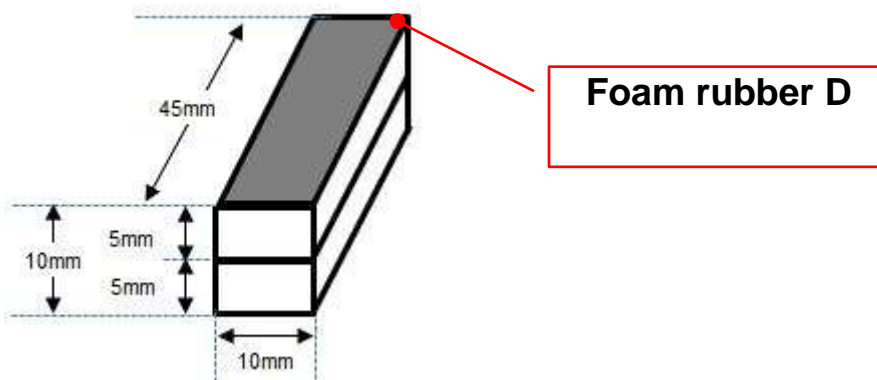
12. Prepare 1 set of 3 pieces of foam rubber B in layer as shown in the below picture.



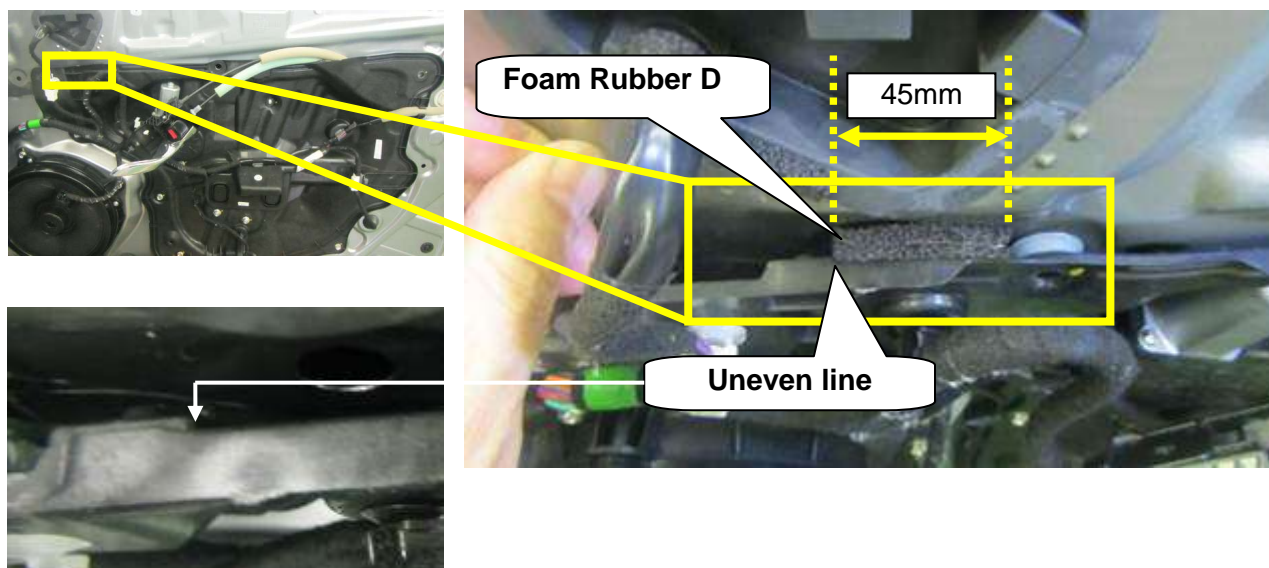
13. Attach the layered foam rubber B to the back side of front door module panel, positioning one end at the end point of butyl tape and along the upper edge of the front door module panel as shown in the picture.



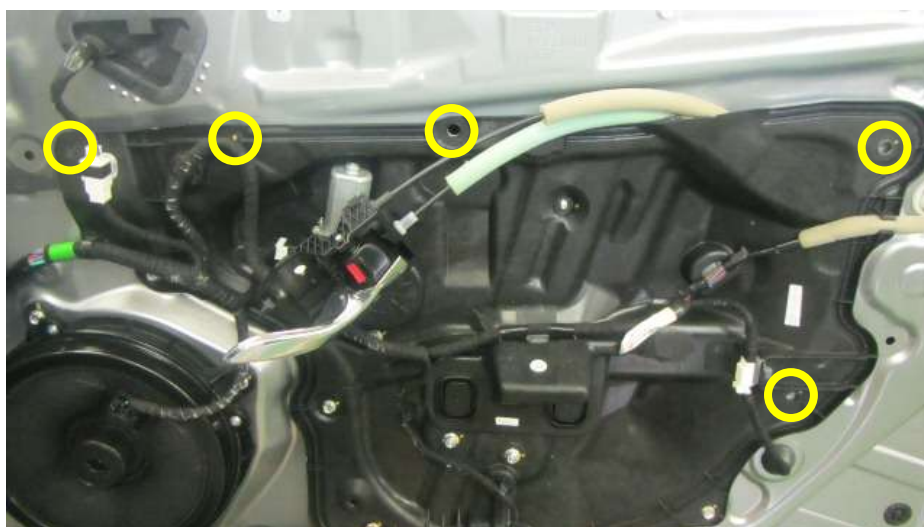
14. Prepare 1 set of 2 pieces of foam rubber D as shown in the below picture.



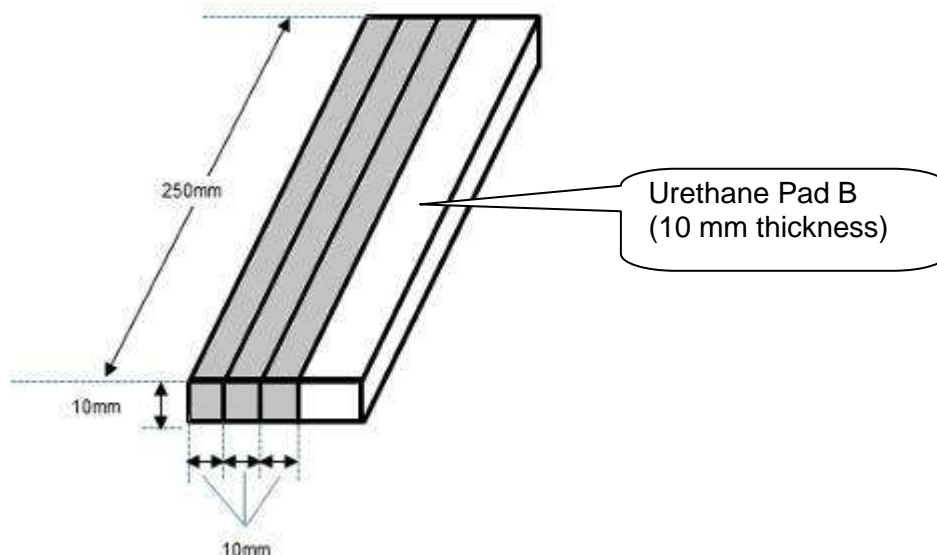
15. Attach the layered foam rubber D to the back side of front door module panel, positioning one end at the uneven line and along the upper edge of the front door module panel as shown in the picture.



16. Install fixing screws (2.0-3.0 Nm) and fasteners as shown in the below figure.



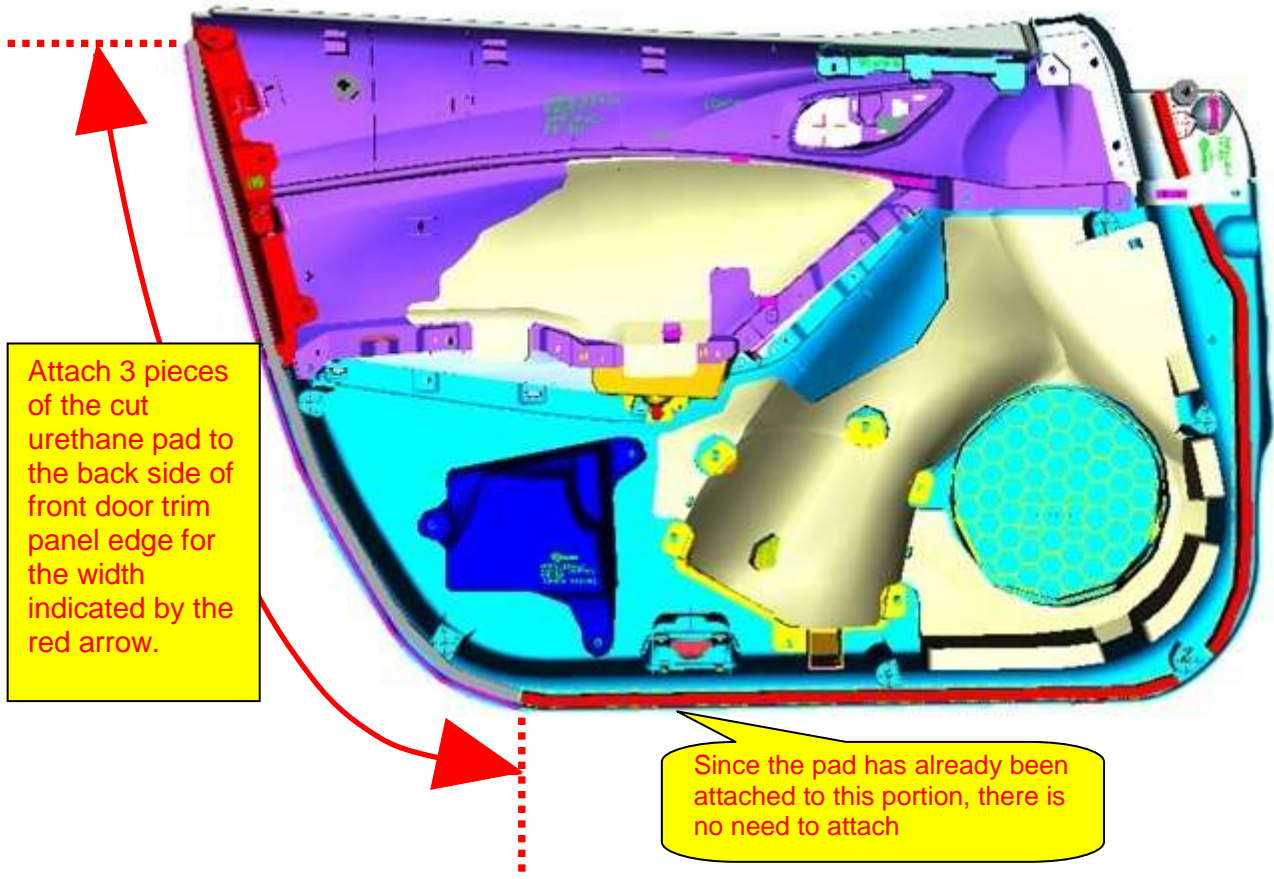
17. Select a sheet of Urethane Pad B in 10 mm thickness from the "Noise Repair Kit K001 W0 225" and cut it into 3 pieces of the size in the below picture.



18. Attach 3 pieces of the cut Urethane pad to the back side of front door trim panel edge for the width indicated by the red arrow.

Note:

- Attach the pads so there is no clearance between the two.
- Cut off the surplus of the last pad.



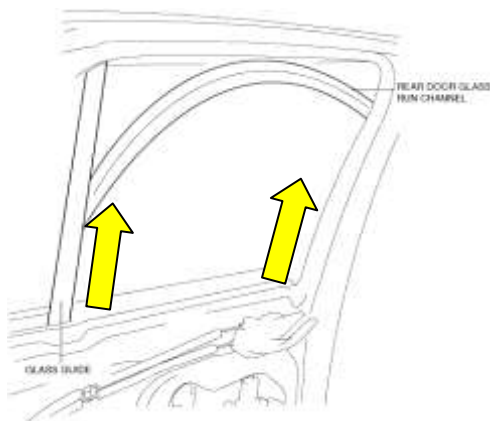
(Picture is for LHD and same work for RHD.)

19. Install the front door trim according to the workshop manual "FRONT DOOR TRIM REMOVAL/INSTALLATION".
20. Install the front beltline molding with a modified one according to the workshop manual "FRONT BELTLINE MOLDING REMOVAL/INSTALLATION".

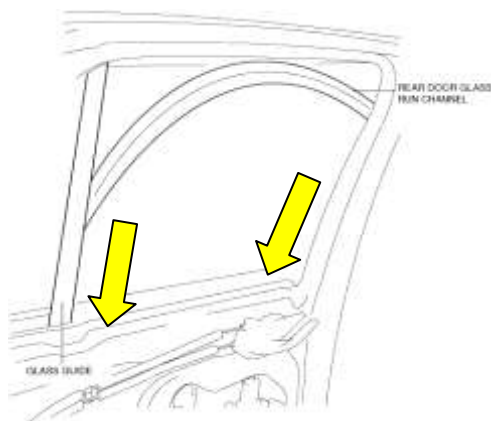
Rear door

21. Fully open the rear door glass.
22. Remove the rear door trim according to the workshop manual "REAR DOOR TRIM REMOVAL/INSTALLATION".
23. Remove the inner weather strip.
24. Install a modified inner weather strip, and then slide it until it contacts the rear glass run channel.
25. Remove the rear beltline molding according to the workshop manual "REAR BELTLINE MOLDING REMOVAL/INSTALLATION".

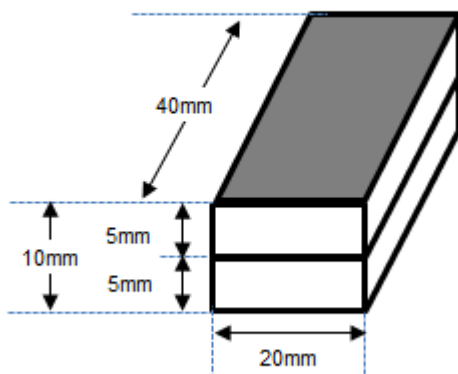
26. Pull both edges of the rear glass run channel and remove it from the rear door by the same procedure as the front glass run channel.



27. Apply soap sud to the contacting surface of modified rear glass run channel to the rear door glass and door panel.
28. Insert both ends of the rear door glass run channel between the rear door glass and door panel, then install the whole rear door glass run channel by the same procedure as the front glass run channel.



29. Replace the rear sash molding with a modified one according to the workshop manual "REAR SASH MOLDING REMOVAL" and "REAR SASH MOLDING INSTALLATION".
30. Prepare 2 pieces of foam rubber C in layer as shown in the below picture.



31. Attach the foam rubber C to the back side of rear door module panel, positioning one end at the edge of the rear door trim as shown in the picture.



32. Install the rear door trim and the rear beltline molding with a modified one according to the workshop manual "REAR DOOR TRIM REMOVAL/INSTALLATION" and "REAR BELTLINE MOLDING REMOVAL/INSTALLATION". Work is completed.

PARTS INFORMATION

New	Old	Part Name	Remark	
GHP9 58 821E	GHP9 58 821D	Inner weather strip RH	Repair Procedure A	1
GHP9 59 821E	GHP9 59 821D	Inner weather strip LH		1
GHP9 50 640D	GHP9 50 640C	Front beltline molding RH		1
GHP9 50 650D	GHP9 50 650C	Front beltline molding LH		1
K001 W0 225	-	Noise Repair Kit		
GHP9 58 605H	GHP9 58 605D	Front door glass run channel RH		1
GHP9 59 605H	GHP9 59 605D	Front door glass run channel LH		1
GHP9 50 981D	GHP9 50 981B	Front sash molding RH		1
GHP9 50 985D	GHP9 50 985B	Front sash molding LH		1
GHP9 50 M10C	GHP9 50 M10B	Front door garnish RH(BLACK)		1
GHP9 50 M20C	GHP9 50 M20B	Front door garnish LH (BLACK)		1
GHP9 50 M30C	GHP9 50 M30B	Rear door garnish RH (BLACK)		1
GHP9 50 M40C	GHP9 50 M40B	Rear door garnish LH(BLACK)		1
GJR9 50 M10B	GJR9 50 M10A	Front door garnish RH (PIANO-BLACK)		1
GJR9 50 M20B	GJR9 50 M20A	Front door garnish LH (PIANO-BLACK)		1
GJR9 50 M30B	GJR9 50 M30A	Rear door garnish RH (PIANO-BLACK)		1
GJR9 50 M40B	GJR9 50 M40	Rear door garnish LH (PIANO-BLACK)		1
For SDN				
GHK1 50 660D	GHK1 50 660C	Rear beltline molding RH	Repair Procedure B	1
GHK1 50 670D	GHK1 50 670C	Rear beltline molding LH		1
GHK1 72 821D	GHK1 72 821C	Rear Inner weather strip RH		1
GHK1 73 821D	GHK1 73 821C	Rear Inner weather strip LH		1
GHK1 72 605G	GHK1 72 605F	Rear door glass run channel RH		1
GHK1 73 605G	GHK1 73 605F	Rear door glass run channel LH		1
GHK1 50 991C	GHK1 50 991A	Rear sash molding RH		1
GHK1 50 995C	GHK1 50 995A	Rear sash molding LH		1
For WGN				
GHP9 50 660C	GHP9 50 660B	Rear beltline molding RH		1
GHP9 50 670D	GHP9 50 670C	Rear beltline molding LH		1
GHP9 72 821C	GHP9 72 821B	Rear Inner weather strip RH		1
GHP9 73 821C	GHP9 73 821B	Rear Inner weather strip LH		1
GHP9 72 605H	GHP9 72 605G	Rear door glass run channel RH		1
GHP9 73 605H	GHP9 73 605G	Rear door glass run channel LH		1
GHP9 50 991C	GHP9 50 991A	Rear sash molding RH		1
GHP9 50 995C	GHP9 50 995A	Rear sash molding LH		1

WARRANTY INFORMATION

Assembly group	S - Body		
Subassembly group	10 - FRONT DOORS		
Symptom Code	82		
Damage Code	9E		
Causal Part No.	7777 SP J50		
Q'ty	0		
Operation No. & Labor Hours	XXK87ARX & 0.5Hrs		Repair procedure A (one side)
	XXK87BRX & 0.7Hrs		Repair procedure A (both sides) w i-stop
	XXK87CRX & 0.6Hrs		Repair procedure A (both sides) w/o i-stop
	XXK87DRX & 1.7Hrs		Repair procedure A (one side) & B (one side) w i-stop
	XXK87ERX & 1.6Hrs		Repair procedure A (one side) & B (one side) w/o i-stop
	XXK87FRX & 3.0Hrs		Repair procedure A (both sides) & B (both sides) w i-stop
	XXK87GRX & 2.9Hrs		Repair procedure A (both sides) & B (both sides) w/o i-stop
	XXK87HRX & 1.8Hrs		Repair procedure A (both sides) & B (one side)
Period Covered	Normal warranty period		

Ryu Shimizugawa
 Manager, Technical Information Gr.
 Technical Service Dept.
 Mazda Motor Corporation
 2D62605621 (MC Internal Use)