

# Service Bulletin

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**MAZDA**

Category S	Applicable Model/s 1988-91 MX-6/626	Subject  WIND NOISE	Bulletin No. 004/93 Issued 2/12/93 Revised
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**NOTE:** This bulletin supercedes Service Bulletin # 036/92, Cat. S, issued 7/7/92.

## DESCRIPTION

On some 1988-91MX-6/626 models, wind noise may be heard when driving more than 40 miles per hour. This wind noise occurs when air leaks into or out of the vehicle while driving or when air travels across an unsealed body surface.

The repair procedures contained in this bulletin replace all other procedures previously released.

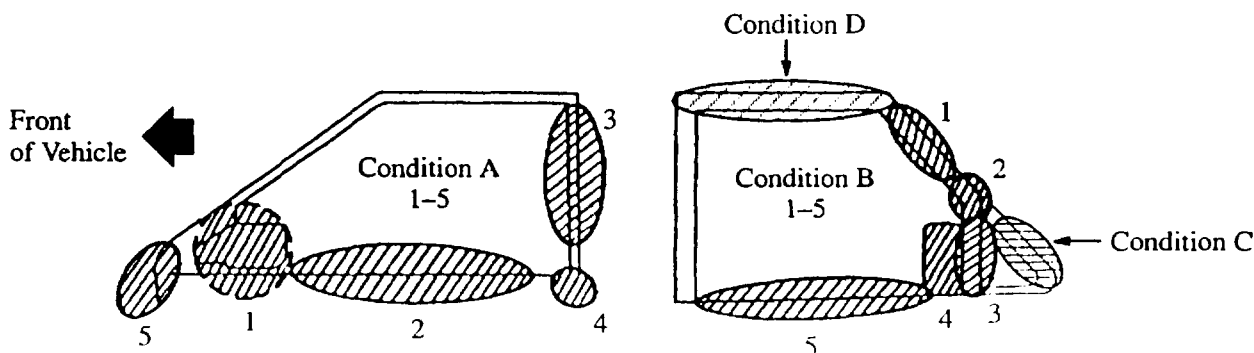
## INSPECTION AND REPAIR PROCEDURE

Inspect the vehicle for installation of previous repair kits. If modifications have been made, verify location of wind noise. If noise is still present, inspect installation quality.

Verify location of complaint.

The illustration below shows the general areas where wind noise may occur (A-D). Specific locations of wind noise are shown numerically.

- A) Wind noise at front door area during high speed (above 40 mph) driving (pages 2 through 7).
- B) Wind noise at rear door area (pages 8 through 11).
- C) Wind noise/fluttering noise at rear corner window area (pages 11 and 12).
- D) Wind noise from front and rear door area due to window drop (page 13).



**IMPORTANT:** Service and Parts Managers should read this bulletin carefully, sign and convey all information to those concerned.

Signature \_\_\_\_\_  
Service Manager

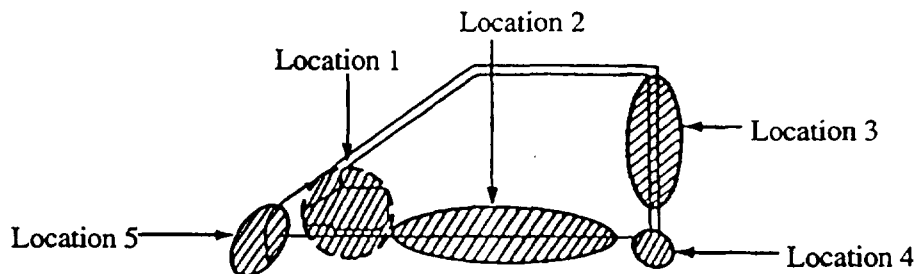
Signature \_\_\_\_\_  
Parts Manager

Index # **032678**

**INSPECTION AND REPAIR PROCEDURE (CONT'D)****NOTE:**

Repair parts for this bulletin are available as a kit. For the 1988 and 1989 models, install all items in the kit. For the 1990 and 1991 models, carry out only the door mirror, rear quarter window, corner bracket, and glass guide rail operations.

**Condition A: Wind noise at front door area during high speed (above 40 mph) driving**

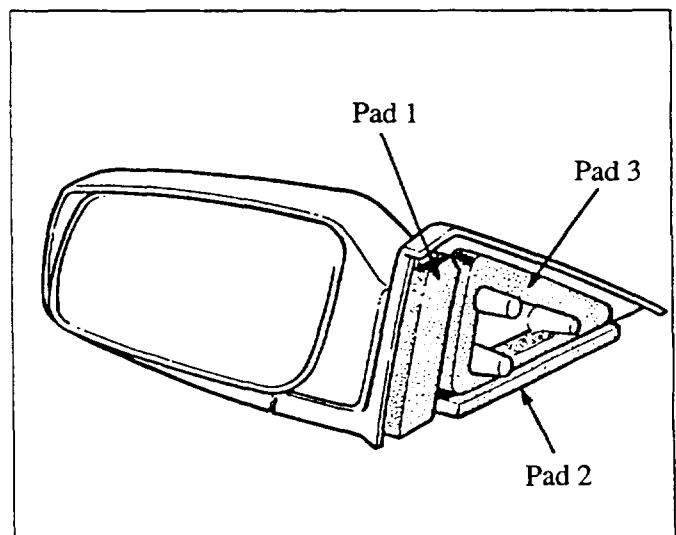
**LOCATION 1 (DOOR MIRRORS)(ALL MODELS/YEARS)****Manual and Power Mirrors**

1. Using a flat screwdriver, carefully pry the inner sail garnish out of its position. (Start prying at the top corner of the sail garnish then work downward.)

**CAUTION:**

TAKE CARE NOT TO BREAK THE FASTENING TAB AT THE BOTTOM OF THE SAIL GARNISH.

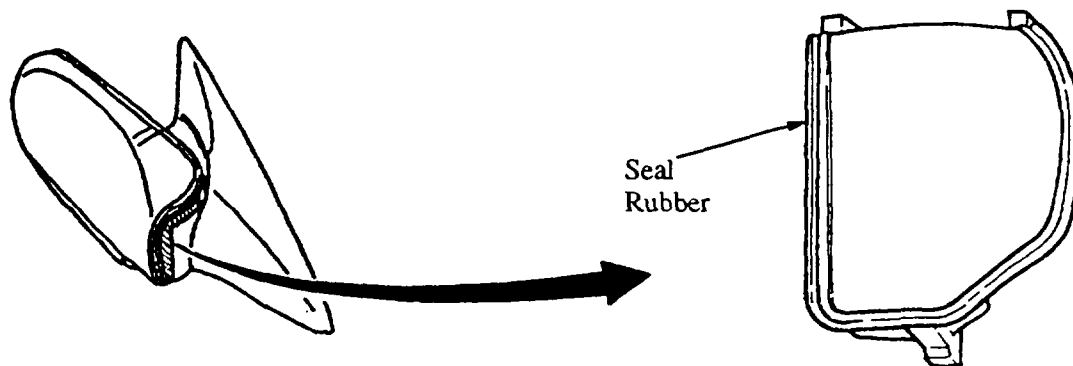
2. Remove mirror and install corner bracket.
3. Install Pad 1 on the side of the base. **Figure 1.**
4. Install Pad 2 on lower side of base. **Figure 1.**
5. Install Pad 3 (triangular pad) as shown. **Figure 1.**



**Figure 1: Door Mirror**

**INSPECTION AND REPAIR PROCEDURE (CONT'D)****Power Mirrors Only**

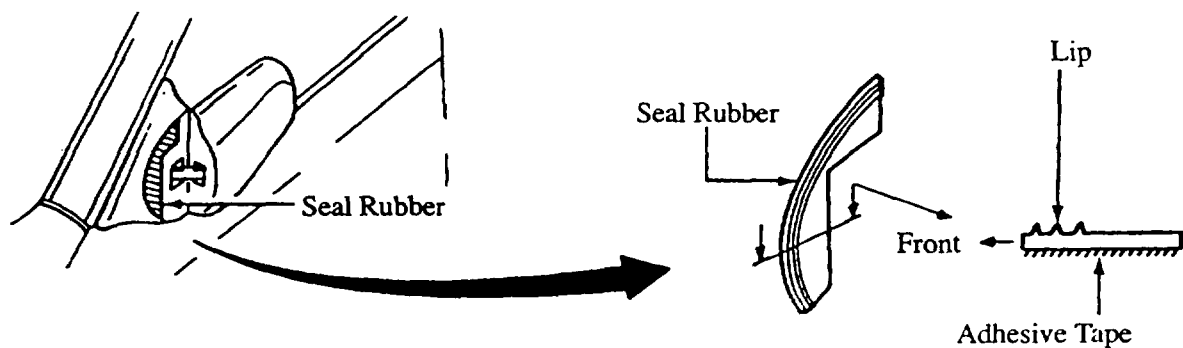
6. Add respective (right and left) seal rubber to the mirror. **Figure 2.**



**Figure 2: Power Door Mirror**

**Manual Mirrors Only**

7. Add respective (right and left) seal rubber to the mirror base. **Figure 3.**



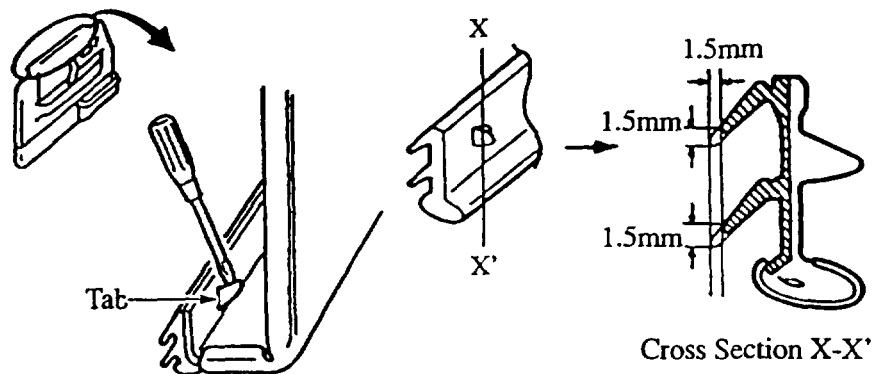
**Figure 3: Door Mirror**

**Manual and Power Mirrors**

8. Reinstall mirror.

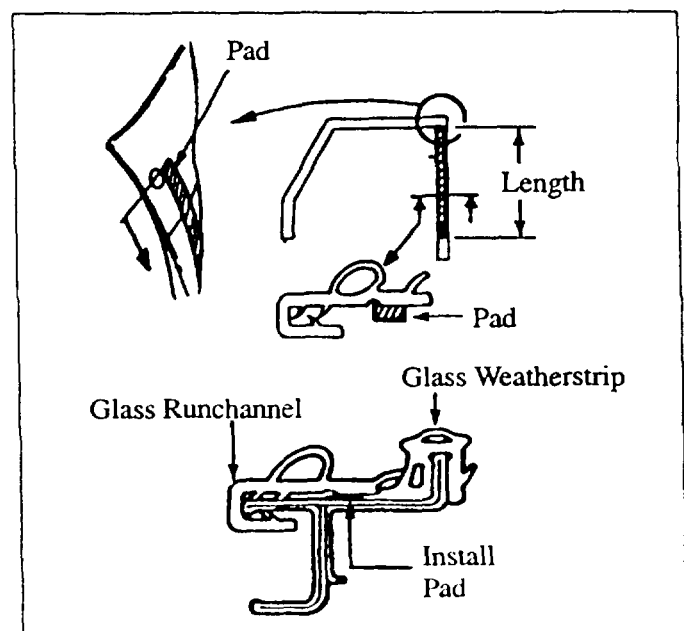
**INSPECTION AND REPAIR PROCEDURE (CONT'D)****LOCATION 2 (GLASS INNER WEATHERSTRIP-ALL DOORS)(1988-'89 MODELS ONLY)**

1. Lower window all the way.
2. Remove door trim.
3. Replace glass inner weatherstrip with new strip. Figure 4.

**Figure 4: Top of inner door panel.****LOCATION 3 (GLASS RUN CHANNEL-FRONT DOOR)(1988-'89 MODELS ONLY)**

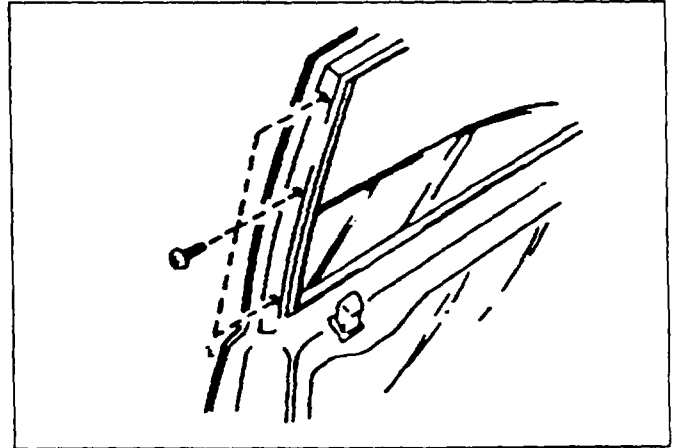
1. Lower window all the way.
2. Pull back the glass run channel. Figure 5.
3. Attach the pad strip to the back of the glass run channel from the circled area.

Pad size:  
 Length        - 400 mm  
 Thickness    - 2 mm  
 Width        - 10 mm

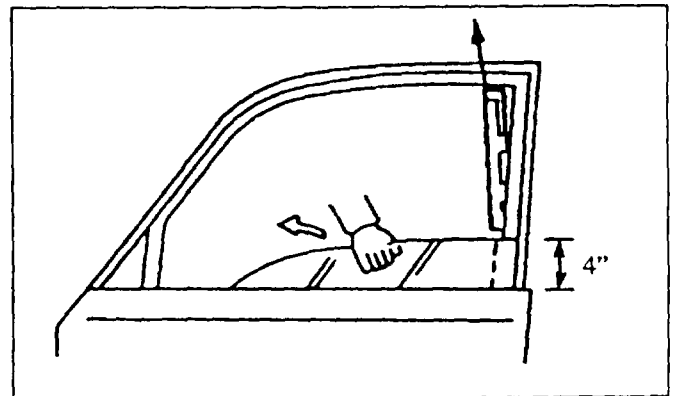
**Figure 5: Front Door**

**INSPECTION AND REPAIR PROCEDURE (CONT'D)****LOCATION 4 (GLASS GUIDE RAIL)(ALL MODELS/YEARS)**

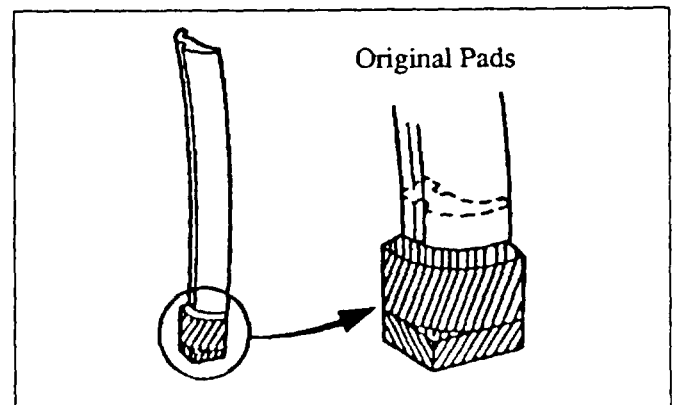
1. Remove the 3 screws which secure the glass guide rail and remove the door inner trim panel. **Figure 6.**

**Figure 6: Rear of front door**

2. Lower the window glass to about 4" showing. Pull the glass guide rail toward the inside of the window frame and up. Move the window glass toward the front of the vehicle. **Figure 7.**

**Figure 7: Front door**

3. Remove the original glass guide rail pad and replace it with a new one. **Figure 8.**
  - A) Install the new glass guide rail pad so that the top of the pad is 30 mm from the bottom of the guide rail. **Figure 9.**

**Figure 8: Original glass guide rail pad**

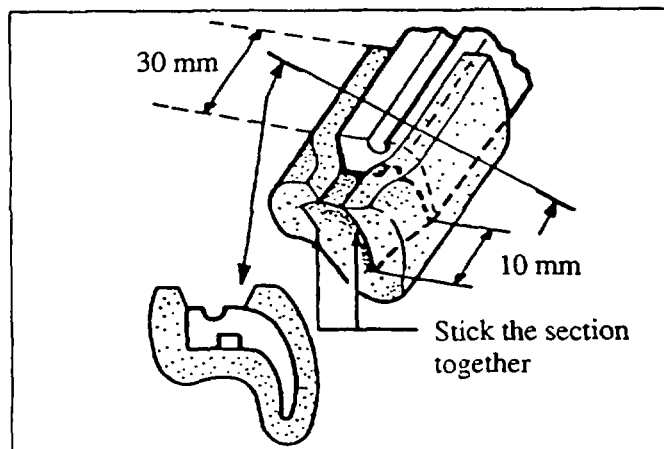
**INSPECTION AND REPAIR PROCEDURE (CONT'D)**

B) The remaining length of the pad (10 mm) should be pinched so that the sides stick together. **Figure 9.**

4. Reinstall the glass guide rail and door inner trim panel.

**CAUTION:**

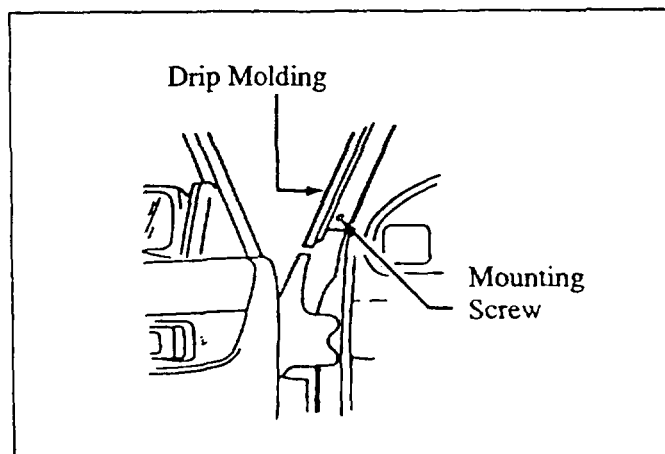
For ease of installation, door glass must be up approximately 4 inches.



**Figure 9:** New glass guide rail pad

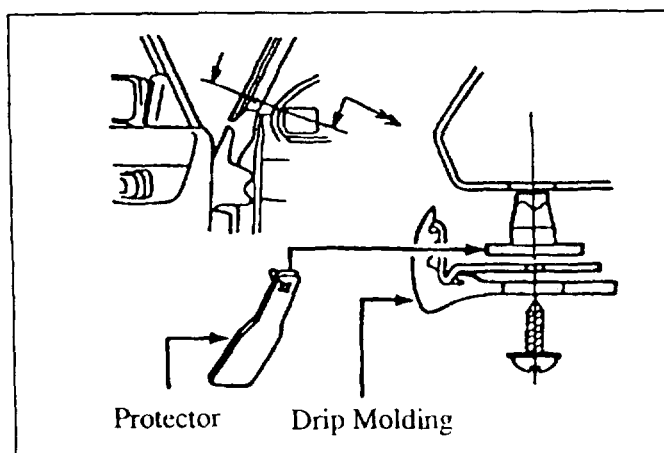
**LOCATION 5 ("A" PILLAR AREA)(1988-'89)****4 and 5-door models**

1. Open the front door and remove the mounting screw from the lower side of the drip molding. **Figure 10.**



**Figure 10:** "A" pillar area

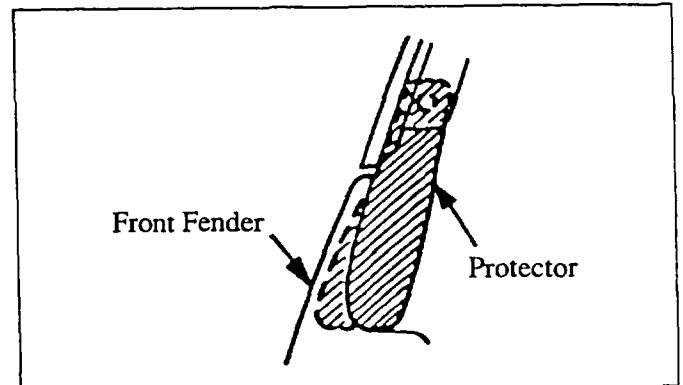
2. Remove the original screw boss from the pillar and discard.
3. Install a protector between the drip molding and the "A" pillar. **Figure 11.**



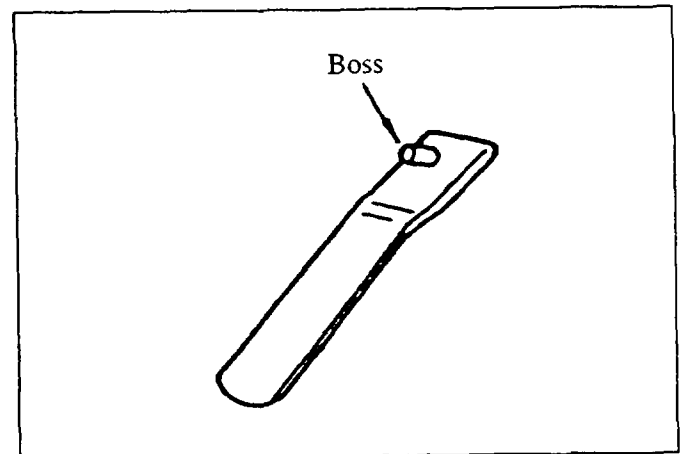
**Figure 11:** "A" pillar area

**INSPECTION AND REPAIR PROCEDURE (CONT'D)**

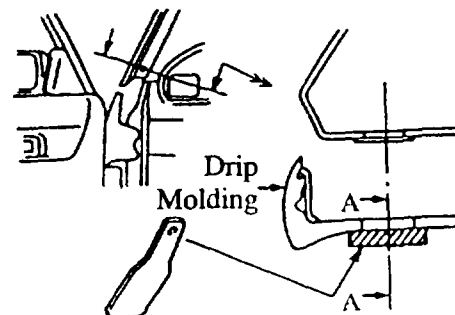
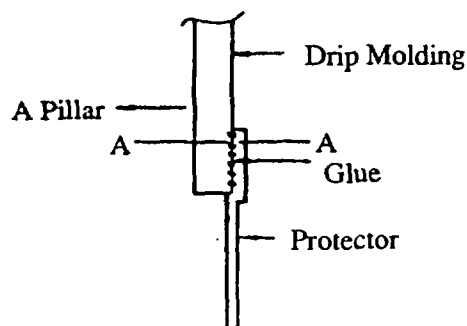
4. Reinstall the mounting screw and insert the protector inside the front fender cavity. **Figure 12.**

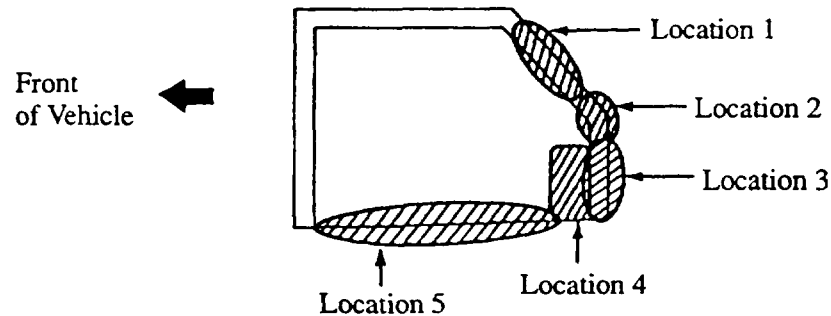
**Figure 12: Base of "A" pillar****MX-6**

1. Cut the boss off of the protector. **Figure 13.**

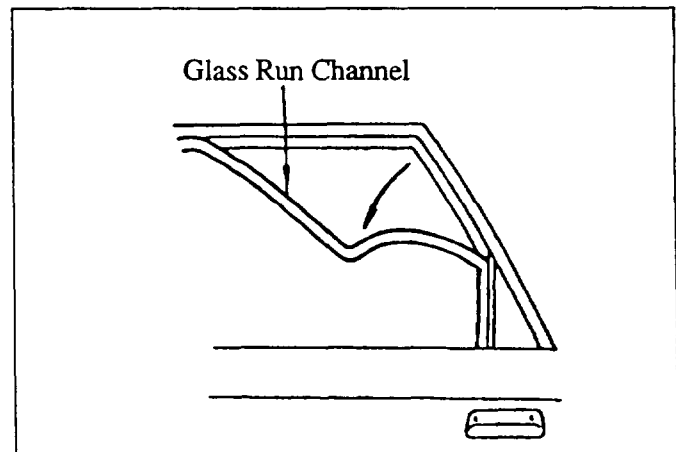
**Figure 13: Protector**

2. Glue the protector to the drip molding. **Figure 14.**
3. Insert protector into fender cavity. **Figure 14.**

**Figure 14: Front of "A" pillar area**

**INSPECTION AND REPAIR PROCEDURE (CONT'D)****Condition B: Wind noise at rear door area. (1988-'89 models only)****LOCATION 1 (TOP REAR OF WINDOWS)**

1. Lower window all the way.
2. Pull off the rear corner section of the glass run channel. **Figure 15.**

**Figure 15: Rear door**



**INSPECTION AND REPAIR PROCEDURE (CONT'D)**

3. Fold up the glass weatherstrip and install a pad as indicated by the circle in Figure 16.

Pad size:

Length

D 4-Door Sedan

- 257 mm

D 5-Door Hatchback

- 286 mm

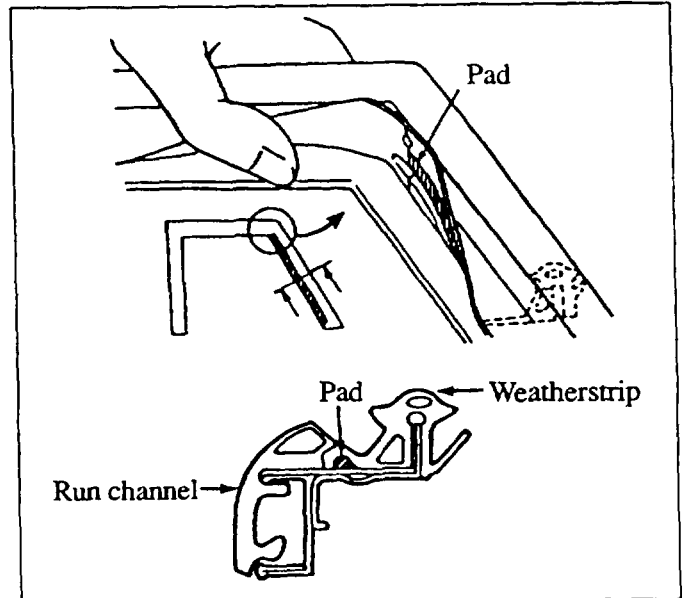
Thickness

- 3mm

Width

- 5 mm

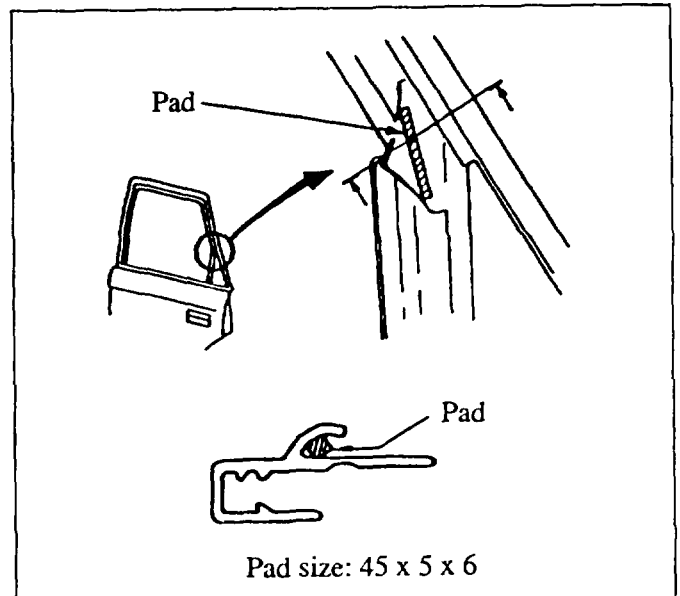
4. Reinstall the glass run channel.



**Figure 16: Top of rear door**

**LOCATION 2 (MIDDLE REAR OF WINDOWS)**

Install a pad on the reverse side of the corner lip (circled area) to improve the sealing effectiveness. Figure 17.



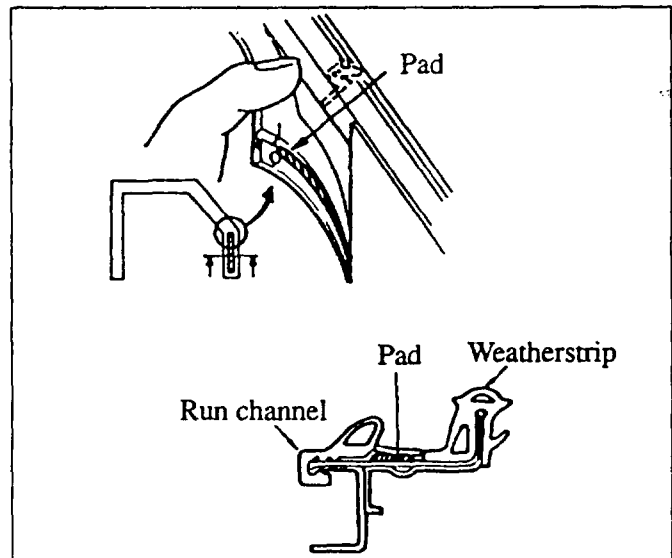
**Figure 17: Rear of rear door**

**INSPECTION AND REPAIR PROCEDURE (CONT'D)****LOCATION 3 (REAR OF WINDOWS)**

Fold the glass run channel and install a pad in area indicated by the circle. **Figures 18 and 19.**

Pad size:

Length (4 and 5-door)	– 200 mm
Thickness	– 2 mm
Width	– 10 mm



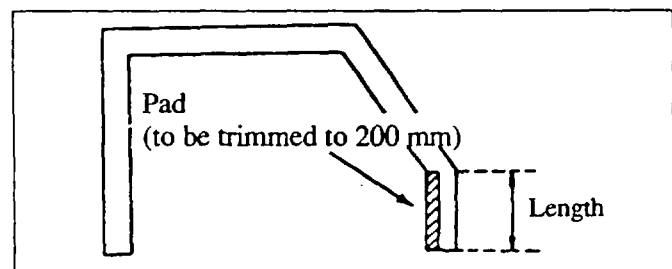
**Figure 18: Rear top of rear door**

**LOCATION 4 (SAIL GARNISH)**

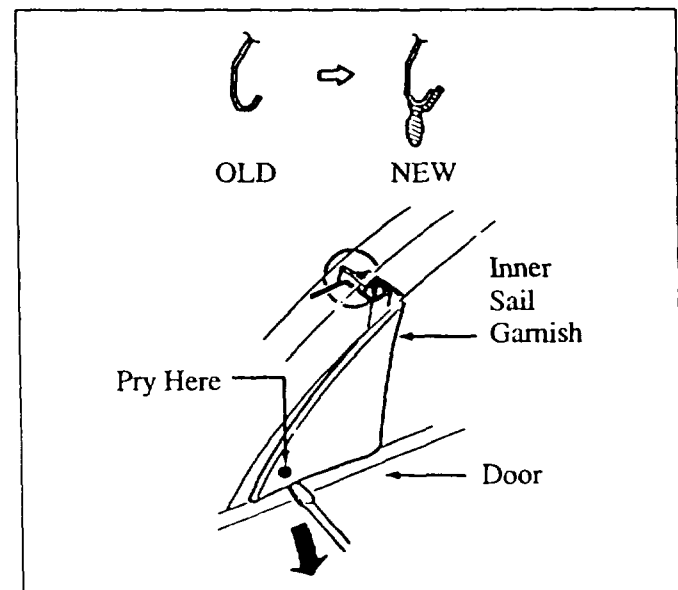
Using a flat screwdriver, remove the inner sail garnish by prying it out and installing a new level inner sail garnish. **Figure 20.**

**NOTE:**

Using a flat screwdriver, pry sail garnish out of its location. Start from the lower rear corner and work forward. Also, be careful not to damage the paint on the surrounding area. **Figure 20.**



**Figure 19: Sail garnish area**



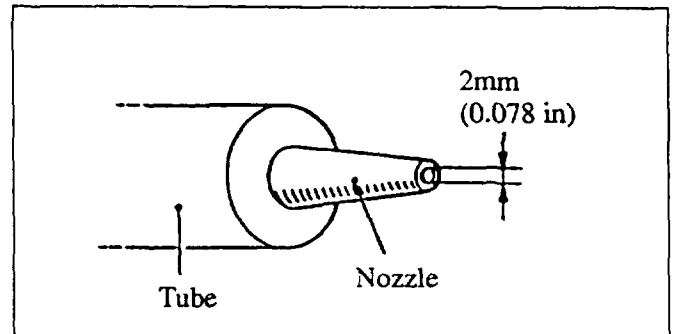
**Figure 20: Sail garnish**

**INSPECTION AND REPAIR PROCEDURE (CONT'D)****LOCATION 5 (REAR GLASS WEATHERSTRIP)**

Perform rear door weatherstrip improvements following the same steps as used on the front door.  
(Condition A, Location 2)

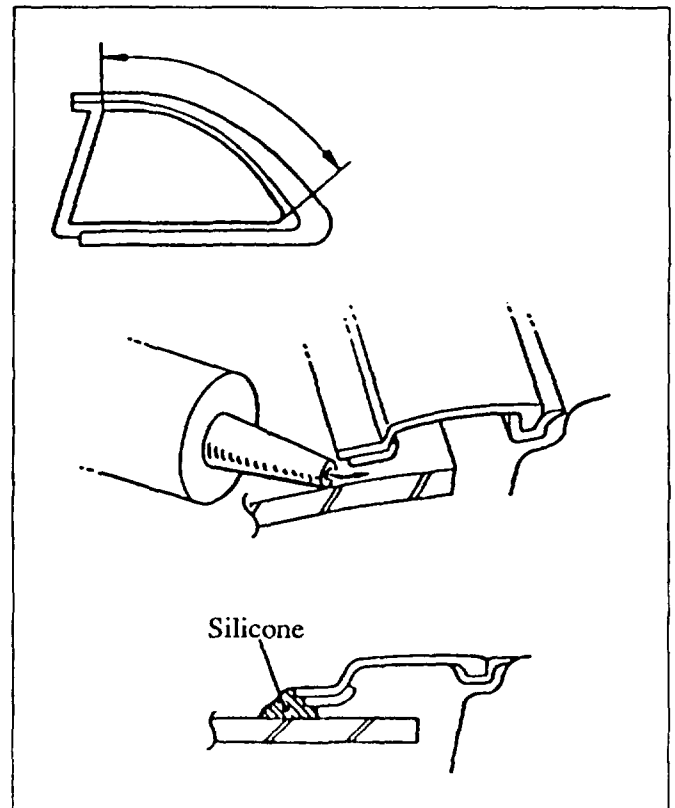
**Condition C: Wind noise/fluttering noise at rear corner window area****1988-'91 2-Door Coupe**

1. Prepare a tube of silicone sealer as shown.  
Figure 21.



**Figure 21:** *Tube of silicone sealer.*

2. Clean the rear quarter window glass and apply silicone between the glass and the garnish.  
Figure 22.
3. Using a spatula, push the silicone into the area between the glass and garnish.



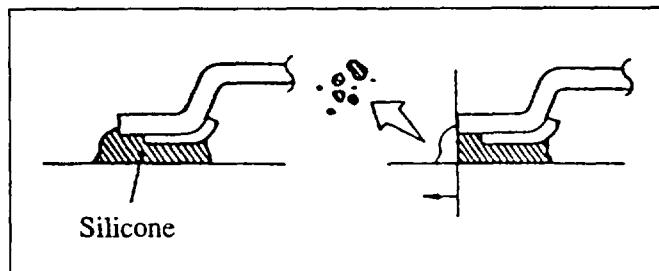
**Figure 22:** *Rear quarter window glass*

**INSPECTION AND REPAIR PROCEDURE (CONT'D)**

4. Remove all protruding silicone. **Figure 23.**

**NOTE:**

Silicone will cure and become hard in approximately 24 hours.



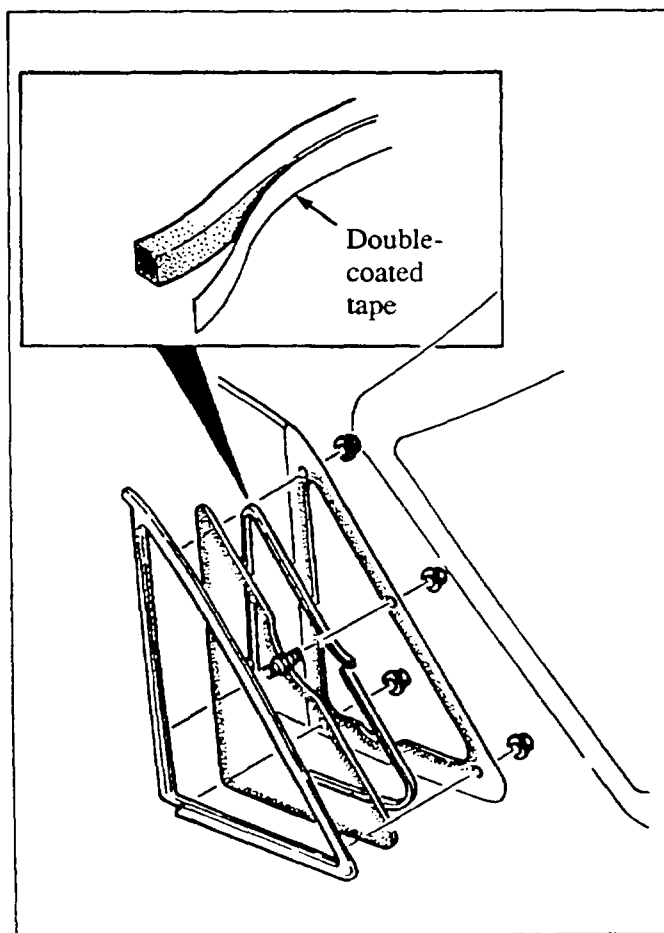
**Figure 23:** *Excess silicone removal area*

**1988-'91 4-Door Sedan**

1. Take out the garnish and glass removing any remaining sponge tape around them.
2. Clean the above mentioned area with alcohol or degreaser to remove grease and oil.
3. Apply the primer to the glass. Allow the primer to dry for approximately 10 minutes.
4. Adhere double-coated tape to the garnish (in the previously taped area). **Figure 24.**

**NOTE:**

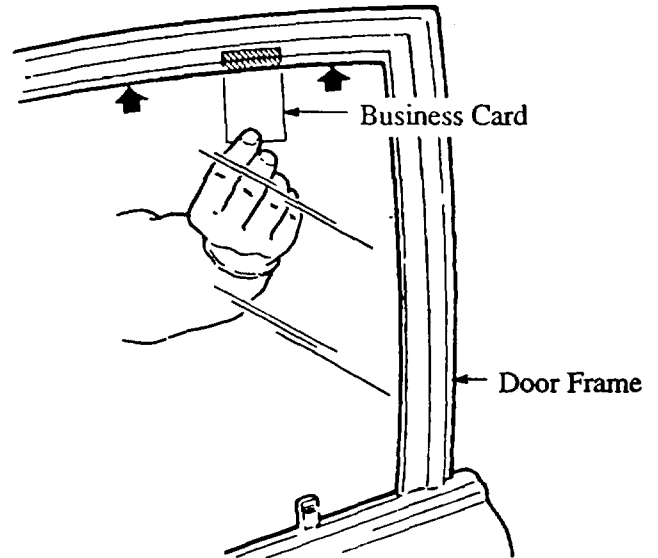
When adhering the double-coated tape, set the tape beforehand to make sure the tape is positioned correctly.



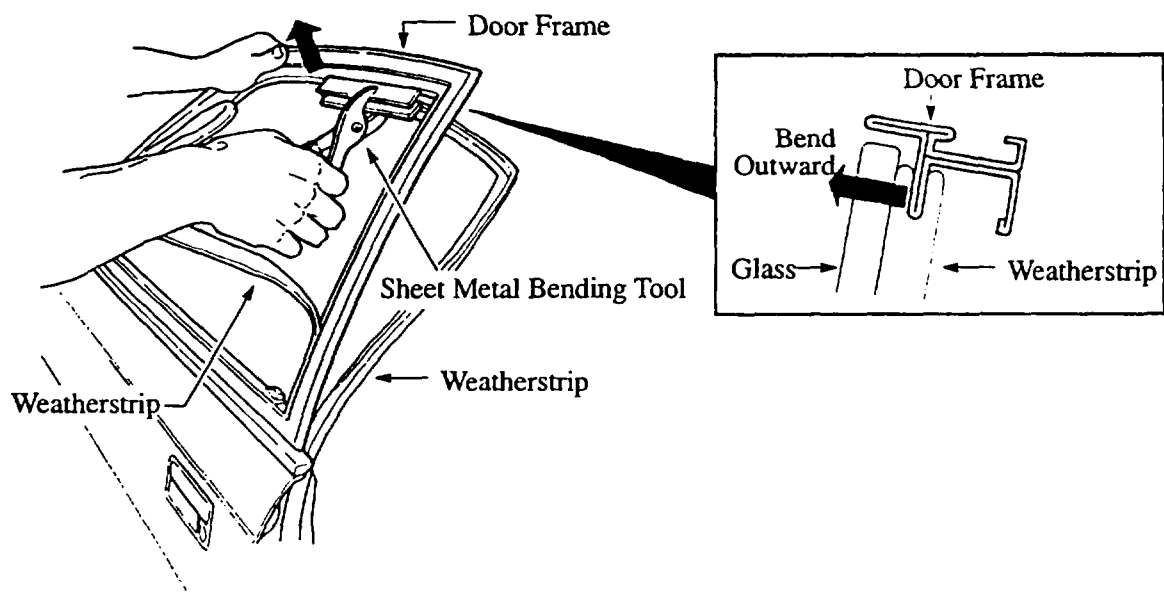
**Figure 24:** *Rear quarter garnish area*

**INSPECTION AND REPAIR PROCEDURE (CONT'D)****Condition D: Door Glass Drop**

1. Use a business card as you would a feeler gauge to check for looseness (gaps) between the door glass and weatherstrip. The weatherstrip should press firmly against the glass around the entire door frame. Areas that do not form a tight seal between the glass and weatherstrip may allow the glass to drop thereby causing air leaks.
2. With the window in the down position, remove the following parts according to Workshop Manual procedures section S:
  - a) Black Plastic Inner Sail Garnish
  - b) Window Frame Weatherstrip
3. Remove the weatherstrip to access the glass run channel frame.
4. Carefully bend the weatherstrip frame slightly outward ( $1/16''$ ) to increase the pressure of the weatherstrip against the glass. Use a sheet metal bending tool (Snap-on P/N VP8R or equivalent).

**NOTE:**

Protect the painted surface of the vehicle by wrapping the metal bending tool with cloth or foam.



5. Install removed parts in the reverse order of removal.
6. Recheck the weatherstrip using the business card insertion technique.

Number: 004/93	Date Issued: 2/12/93	Date Revised: 8/17/92
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## **PARTS INFORMATION**

PART NUMBER	DESCRIPTION
GR45 75 750	MX-6 Repair Kit
GR11 75 750	4 & 5-Door Repair Kit

## **WARRANTY INFORMATION**

*(Applies to vehicles covered under warranty.)*

Warranty Type Code: A  
 Customer Comment Code: 78  
 Damage Code: 99  
 Part No. of Main Cause: Part No. of Repair Kit (see Parts Information above)  
 Operation No: See charts below.  
 Labor Hours: See charts below.

### 1. 4-door Sedan and 5-door Hatchback

CONDITION	REPAIR	OPERATION NO. (one side only)	LABOR HOURS (one side only)
A	Wind noise at front door area during high speed driving	XX0312RX	1.2
B	Wind noise at rear door area	XX0274RX	0.5
C	Wind noise/fluttering noise at rear corner window area	XX0252RX	0.3
D	A+B+C	XX0311RX	2.0

**NOTE:** If applicable to R & L sides, use given operation no. and labor hours twice.

### 2. MX-6

CONDITION	REPAIR	OPERATION NO. (one side only)	LABOR HOURS (one side only)
A	Wind noise at front door area during high speed driving	XX0312RX	1.2
B	Wind noise/fluttering noise at rear corner window area	XX0252RX	0.3
C	A+B	XX0309RX	1.5

**NOTE:** If applicable to R & L sides, use given operation no. and labor hours twice.