

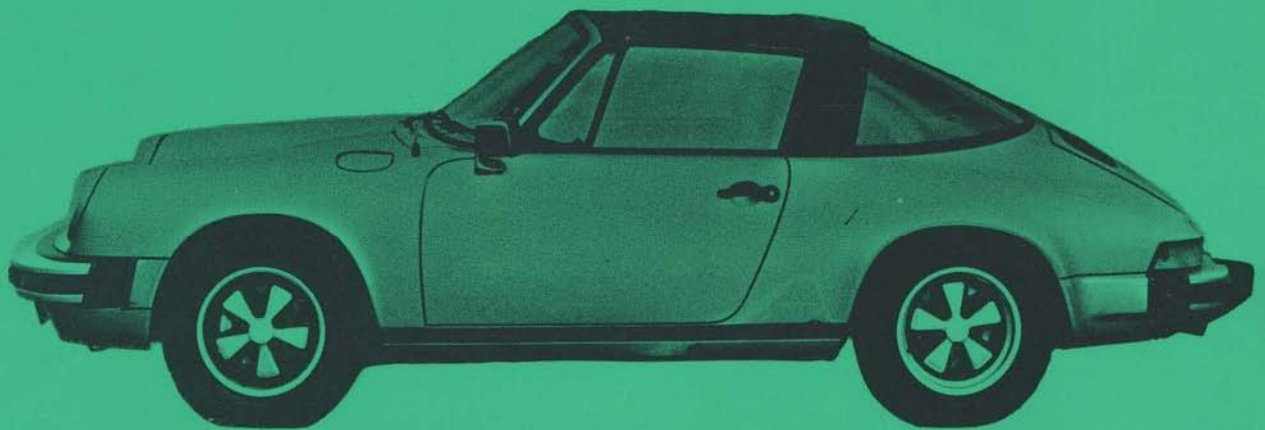
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# PORSCHE

## SERVICE SCHOOL

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### Targa Roof Repairs



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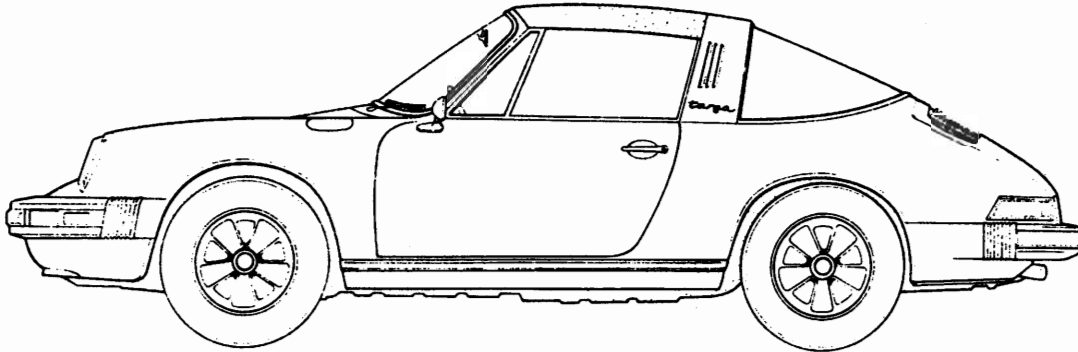
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## Water Leak and Wind Noise Problems

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Problems with water leaks or wind noises in particular the Targa?



Is this necessary? . . . . . We think **not**.

Misadjustments cannot be eliminated with putty or brute force.

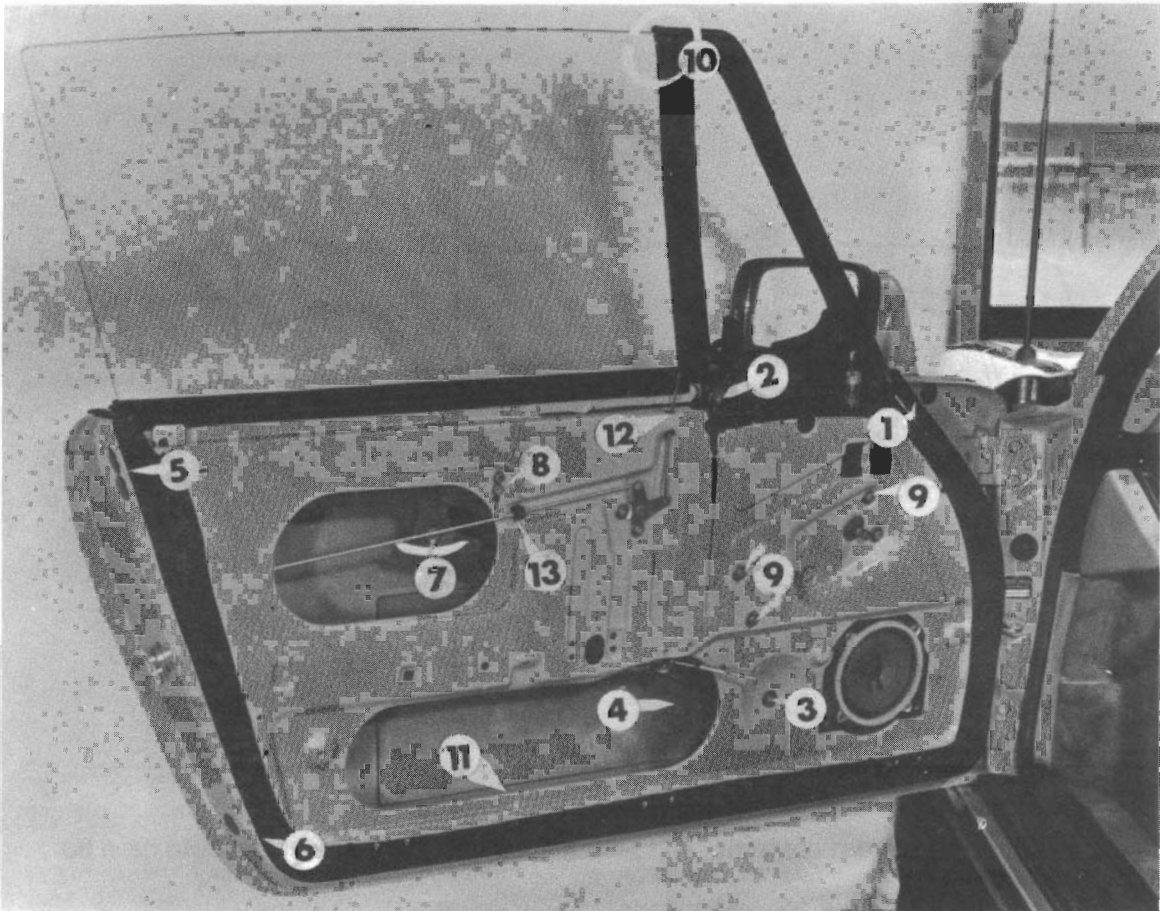
If adjustments are carried out correctly, and seals are installed properly you should have no customer complaints.

### **Adjustments:**

1. Door window frames
2. Door windows/window regulators
3. Window regulator stops
4. Door strikers
5. Folding roof or solid roof.

But never bend door window frames by applying brute force, or shim rubber seals. Even putty will not help eliminate incorrect adjustments.

First explore all adjustments fully before installing new seals



## First explore all adjustments fully before installing new seals

### 6444 Door Window Frames – Targa

- Height adjustment at points 1, 2 and 3.

#### Note

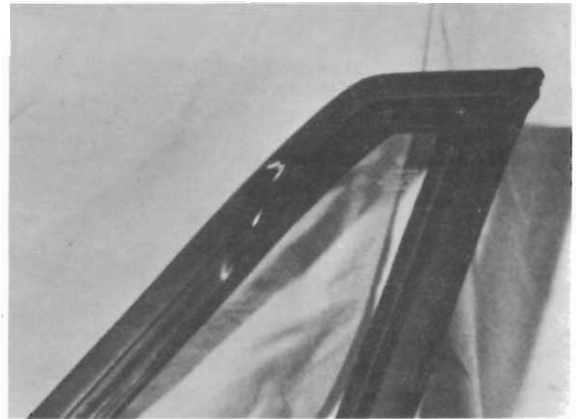
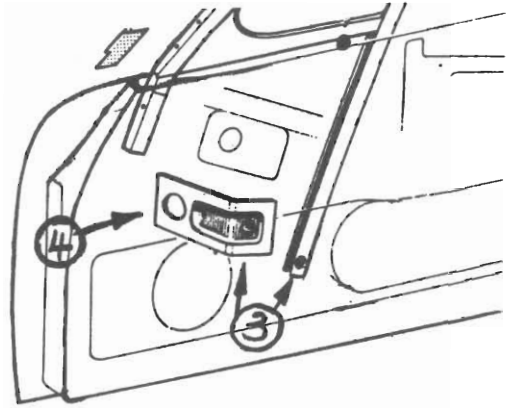
If the range of adjustment is not sufficient, the hole at point 2 can be enlarged (possibly also at point 1).

- Adjust contact pressure at points 1 and 4.

#### Important

If the range of adjustment is not sufficient, 2 to 3 washers can be installed between the inner door panel and the door window frame bracket (point 3).  
Then line point 3 with putty.

- Make sure that frame connecting bracket fits tightly at point 10. If necessary, seal with elastic putty.



### 6444 Door Window Frames – Coupe

- Height adjustment at points 1, 2, 3, 5 and 6.

#### Note

If the range of adjustment is not sufficient, the hole at point 2 can be enlarged (possibly also at point 1).

- Adjust contact pressure at points 1, 4 and 6 (loosen point 5).

#### Important

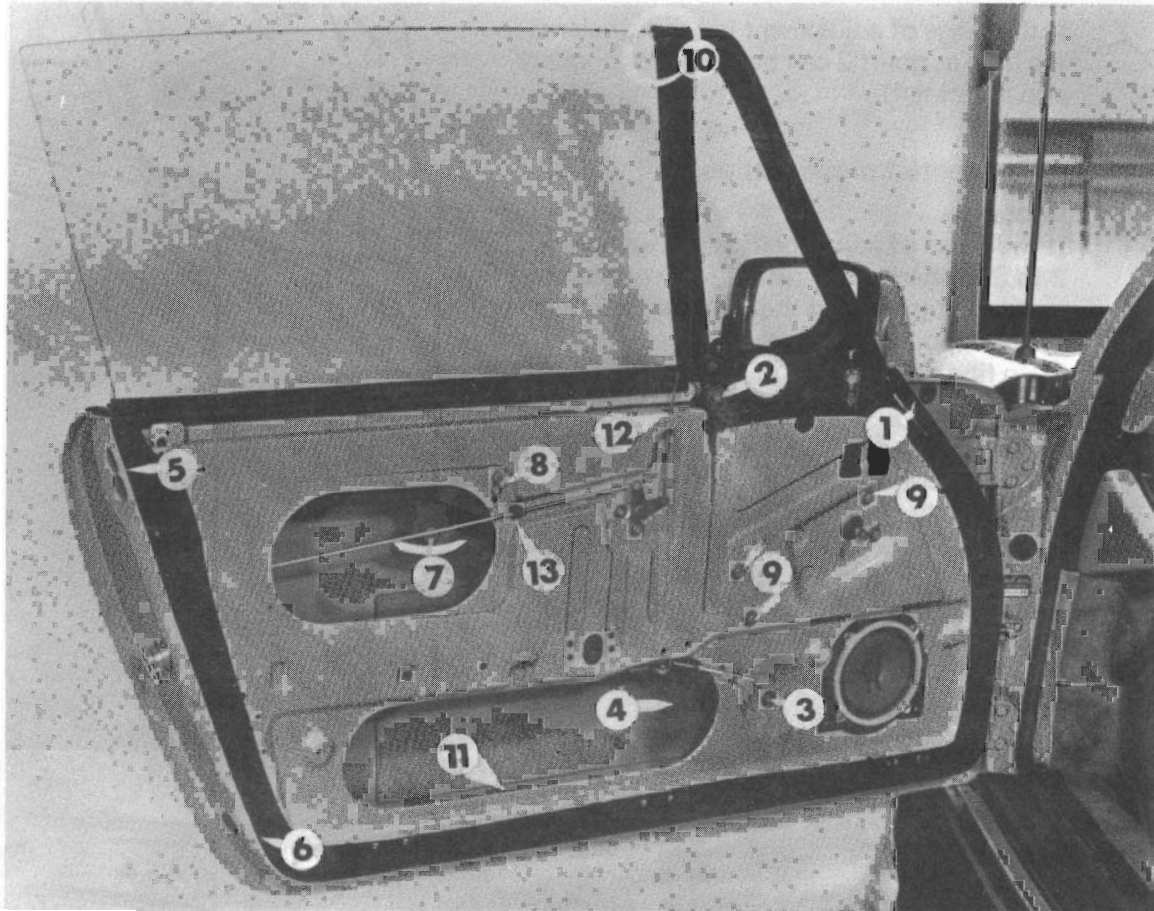
If the range of adjustment is not sufficient, 2 to 3 washers can be installed between the inner door panel and the door window frame bracket (point 3).  
Then line point 3 with putty.

- Check function of rubber stop on roof frame, and install a shim underneath if necessary.



First explore all adjustments fully before installing new seals

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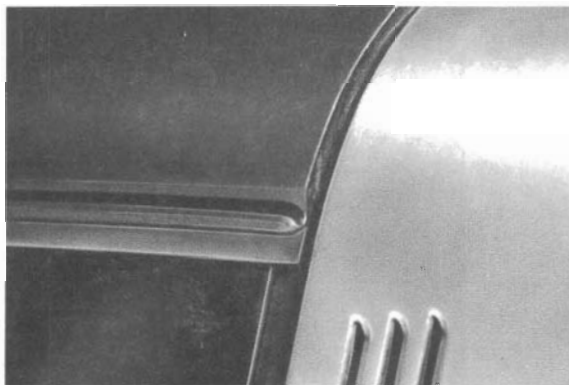
## First explore all adjustments fully before installing new seals

### 6440 Door Window-Coupe and Targa

- Height adjustment at point 7.

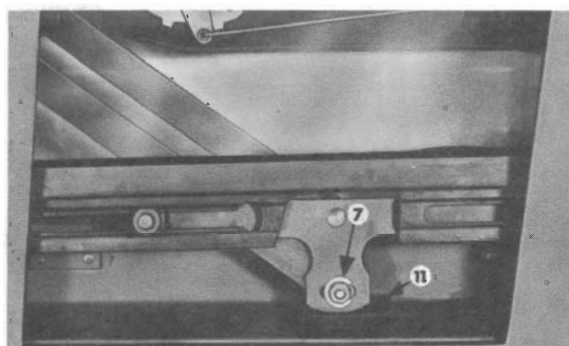
#### Door Window—Targa

- When the door window is adjusted correctly and aligned with the roof seal, the height stop must be aligned at point 8.
- Increase contact pressure at points 5 and 6, particularly in the area of the upper window corner toward the roll bar seal.
- In case of rattling noise, remove window guide rail at points 5 and 6 and align it with the plastic part of the door window to ensure that the window moves freely.



### 6453 Window Regulator

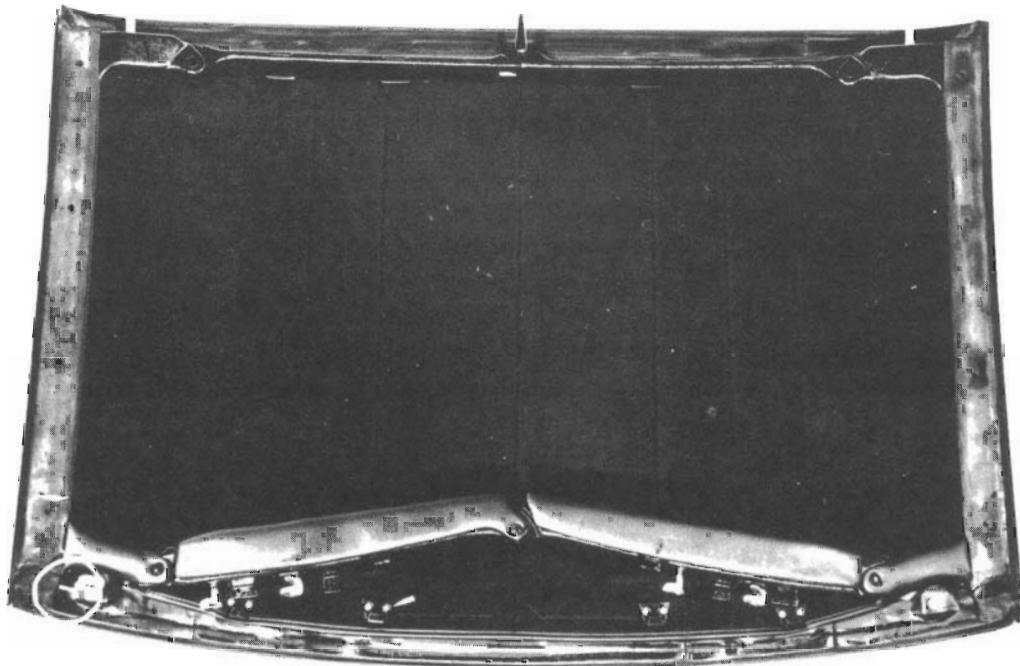
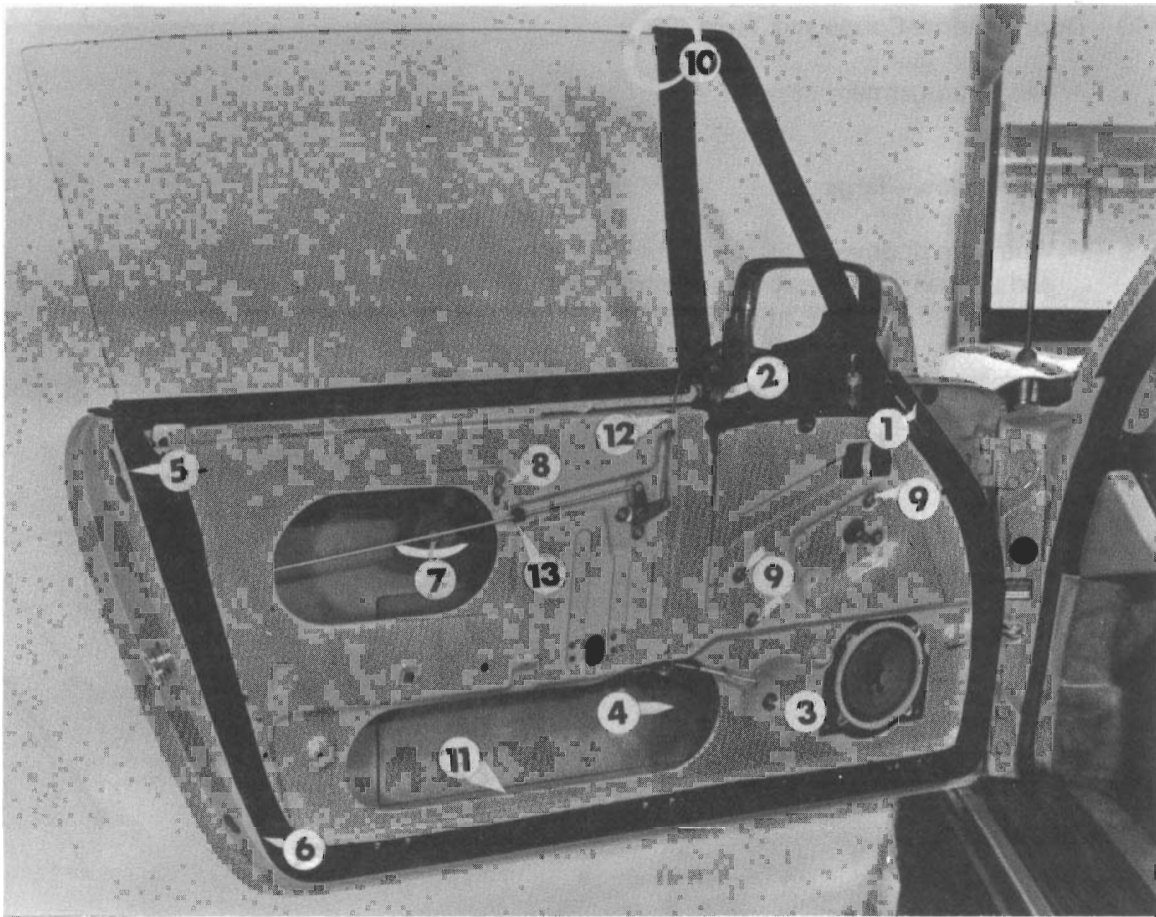
- Check tightness of mounting screws at point 9.
- If the range of adjustment is not sufficient, the holes in the inner door panel can be enlarged, which will facilitate further adjustment of the door window.
- Check window regulator rubber stop, point 11; if it is missing or installed incorrectly, the window regulator could jam when lowering the window (in particular electric window regulators).



### 5721 Door Lock Button

- If movement is restricted, remove lock button at point 12, readjust connecting linkage and shorten grommet in trim strip. Apply a light coat of lubricant when installing the lock button.

First explore all adjustments fully before installing new seals



## First explore all adjustments fully before installing new seals

### 5737 Door Lock Connecting Rods

- If movement is difficult, readjust connecting rods at point 13 and apply a light coat of lubricant to the rubber guides.

#### Note

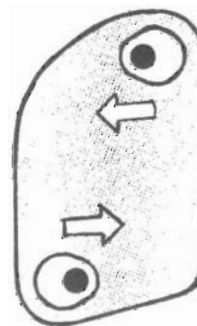
So that the rubber guides cannot become loose and jam, install the rubber guides with a small amount of adhesive.

### 5725 Door Strikers

- Loosen striker and adjust door so that rear edge of door is flush with rear fender.

#### Note

If the range of adjustment is not sufficient, remove striker, push back threaded plate slightly and enlarge openings.



### 6101 Folding Roof or Solid Roof

- Check tightness and fit

### 6105 Roof Locks

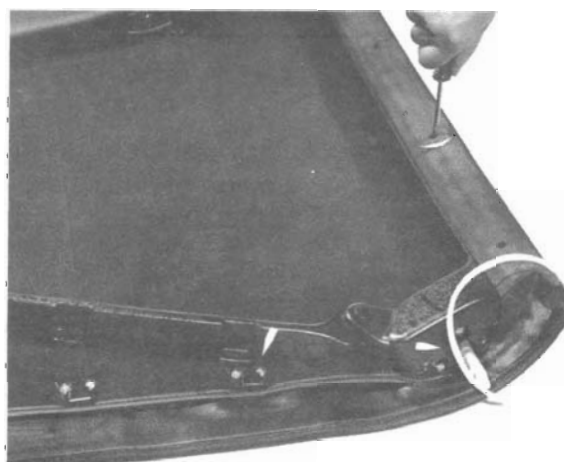
- Check tension of locks. If necessary remove locks and install washer between roof frame and lock to improve tension.

### 6125 Side Roof Seal

- This seal is bolted in place and can be aligned with the door frame and door window

#### Note

A small amount of putty can be applied to the seal face underneath the cover plates at the joints.



### 6112 Roof Frame Tensioning Lever

- Check for tightness

#### Important

A strip of emery-cloth should be pasted underneath the tensioning lever to prevent rattling noises.

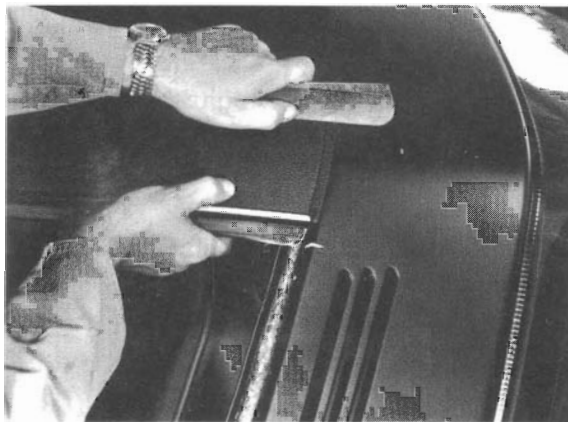


## Replacing Seals

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If the seals are damaged or seriously deformed, they must be replaced. The following sequence should be observed to prevent water leakage and wind noise.

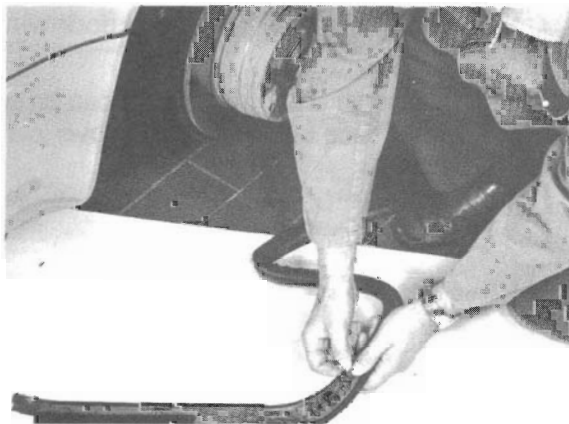
1. Remove damaged seals.
2. Clean body surface **thoroughly**.
3. Remove door panels.
4. Inspect folding roof, adjusting if necessary (stop bolts, locks, plastic holders, roof seals).
5. Install folding roof, lift slightly so that roof and roll bar are aligned exactly. Mark bottom edge of folding roof seal on roll bar.



6. Remove folding roof again.

### 6124 Roll Bar Seal

7. Prepare roll bar seal for installation. Put small amount of putty behind seal openings so that water can not collect at these points.



## Replacing Seals

8. Coat short sections of the roll bar seal and body surface with adhesive.

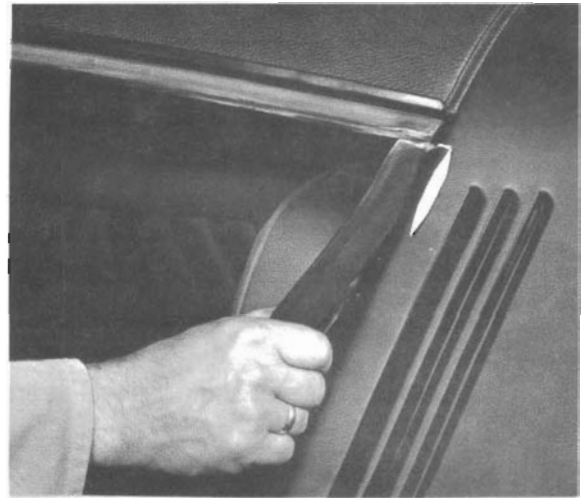
### **Important**

Slide the seal over the metal/plastic holder. End of seal must be even with marks on roll bar. Hold seal in place and drive in plastic rivets.



9. Install folding roof. Check roof and seals for exact fit. Remove roof again.

10. Finish glueing roll bar seal.

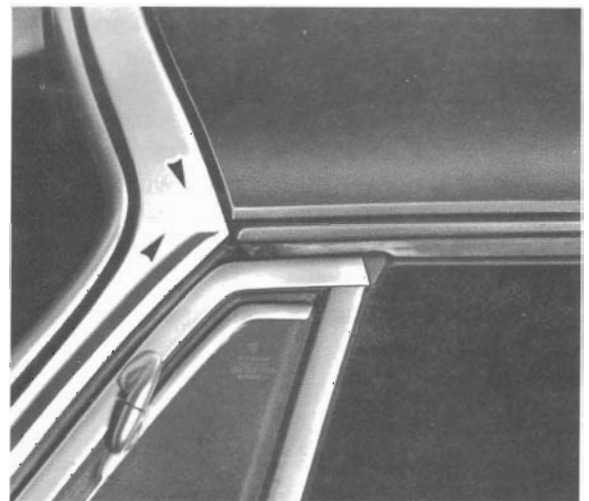


## 6122 Windshield Frame Seal

11. Prepare windshield frame seal according to point 7. Start glueing the seal at the corners.

### **Important**

The ends of the seal should extend beyond the corners to improve sealing.



## Replacing Seals

12. It is important that the folding roof seal contacts the windshield frame seal tightly at the corners. Remove roof again.

13. Glue windshield frame seal at center.

14. Install folding roof and **check again**.

### **Important**

If any new seals have to be moved and reglued, apply new adhesive only after the first coat has dried.

### **Is Everything Correct?**

15. Glue left and right roll bar seal at upper door edge points. Note position of door windows: The door windows should be aligned evenly with the roll bar seals.

16. Cut roll bar seal and door seal at angles and glue together.

17. Glue left and right windshield frame seal, watch fit at upper door edge.

18. Cut windshield frame seal and door seal at angles and glue together.

19. Adjust door window frames, door windows, strikers and window height stops. Be sure to retighten all bolts.

20. Check car for water leaks and wind noise.



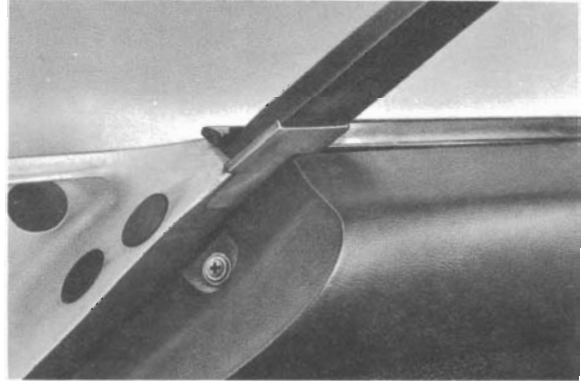
## Replacing Seals

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21. Lubricate door locks, window regulators and lock cylinders. Check all moving parts for easy operation.  
Check water drain openings and seal inside of door with plastic sheet. Reinstall door panels.

**Note**

A strip of insulating tape should be pasted on the upper edge of the door panel. A small amount of putty can be used at the front edge of the trim strip.



22. Remove folding roof and clean all remaining adhesive. Coat seals with rubber preservative and wipe off excess with lintless cloth.