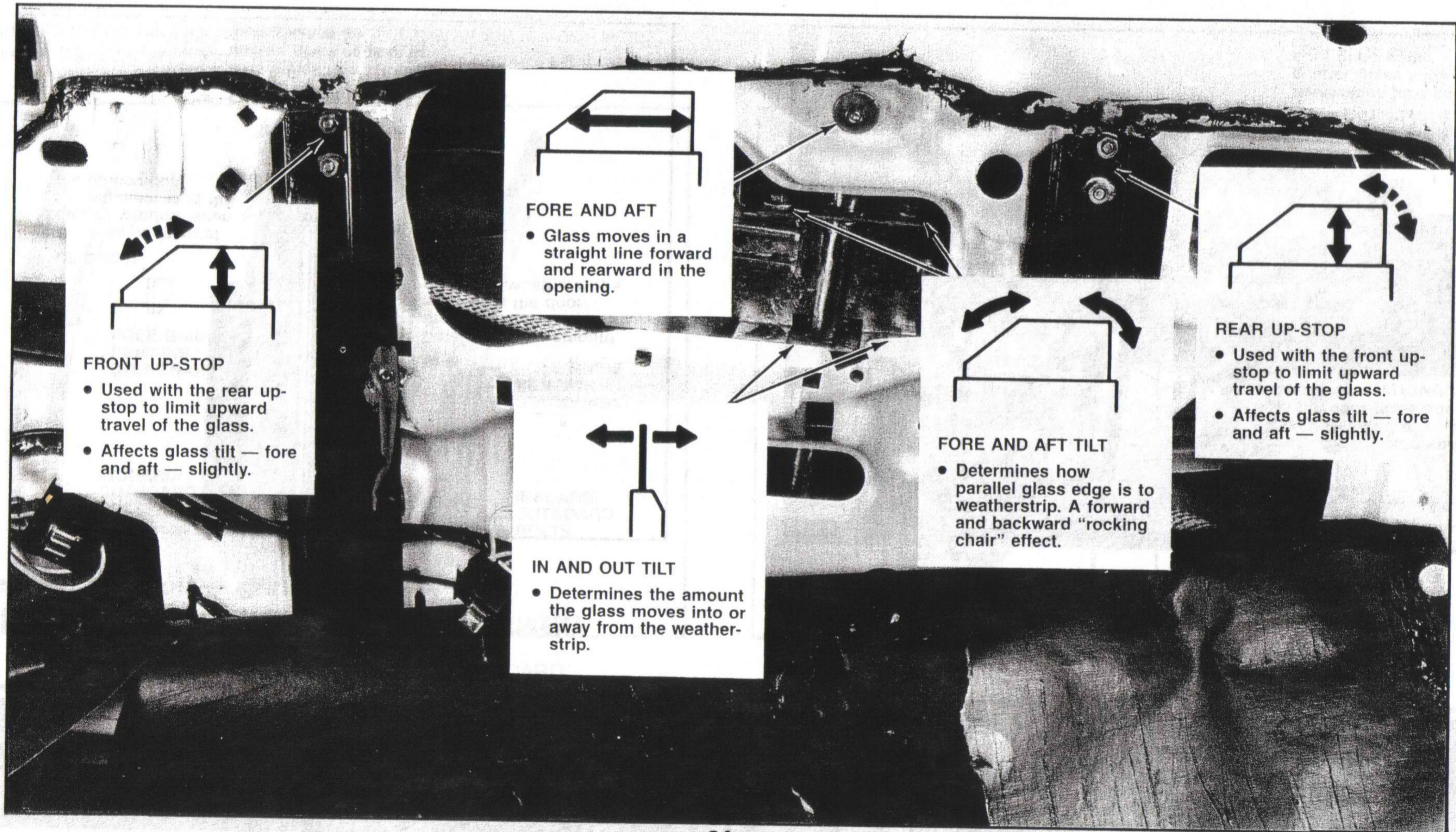


# MUSTANG CONVERTIBLE DIAGNOSIS AND SERVICE PROCEDURES

## DOOR GLASS AND QUARTER WINDOW ADJUSTMENT

### Adjustment Location — Door Glass



# SECTION 47-07 Convertible—Mustang

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## VEHICLE APPLICATION

Mustang.

## DESCRIPTION

The convertible top is motor driven and is equipped with a glass rear window.

The driver and front passenger are each provided combined shoulder/safety belts for protection. Rear passengers are provided safety belts.

**CAUTION: The top should not be lowered unless the top compartment is completely unrestricted. Objects in the luggage compartment must not be pushed into the stowage area.**

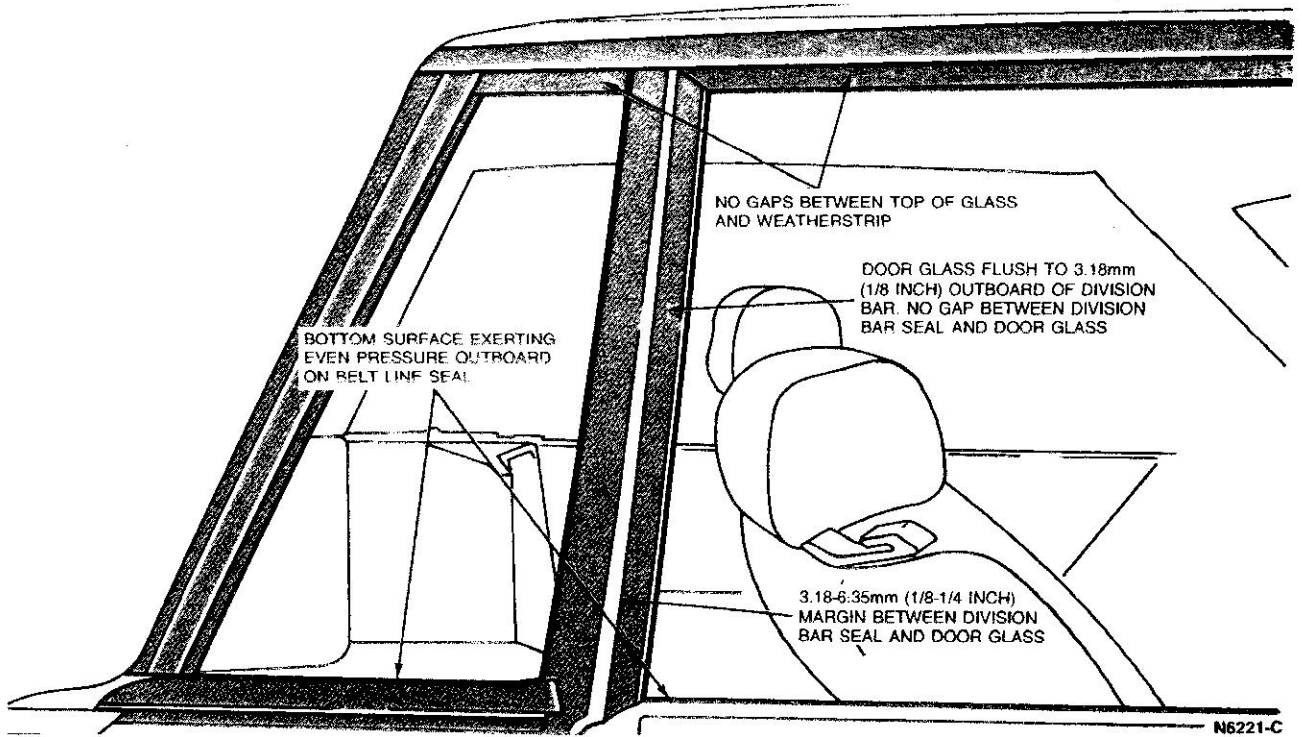
## DIAGNOSIS AND ADJUSTMENTS (Continued)

### Door Glass and Quarter Window

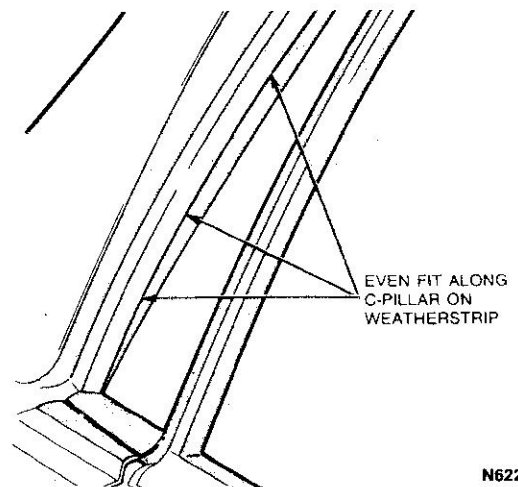
NOTE: The convertible top assembly must be properly adjusted before the door glass, quarter window and/or weatherstrips can be adjusted. Refer to Top Linkage Alignment

A properly adjusted door glass and quarter window glass should fit as follows:

- There should be no gaps between the top of the glass and the weatherstrip.

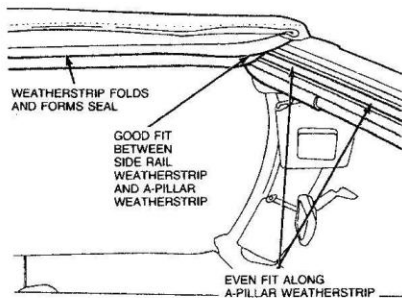


- The door glass should be flush to 3.18mm (1/8-inch) outboard of the division bar. There should be no gap between the division bar seal and the door glass.
- There should be an even margin of 3.18-6.35mm (1/8-1/4 inch) between the division bar seal and the door glass.
- The bottom surface at both glasses should exert an even pressure outboard along the belt line seal.
- The quarter window should have an even fit along the entire length of the C-pillar weatherstrip.



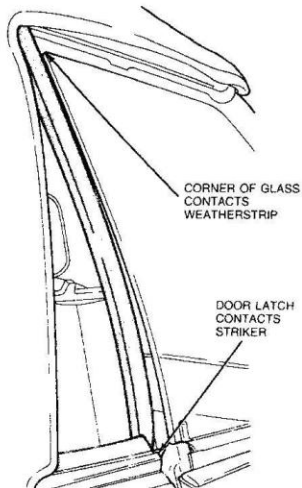
## DIAGNOSIS AND ADJUSTMENTS (Continued)

- As the door is closed, the door glass will enter the weatherstrip contour, the weatherstrip will fold to form a seal and the glass will stop.



N6223-B

- The corner of the glass will make contact with the weatherstrip just as the door latch mechanism contacts the door striker. With the door glass in the full up position, slowly close the door. When the corner of the glass touches the weatherstrip, a faint "click" will be heard as the door latch contacts the door striker.



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## DIAGNOSIS AND ADJUSTMENTS (Continued)

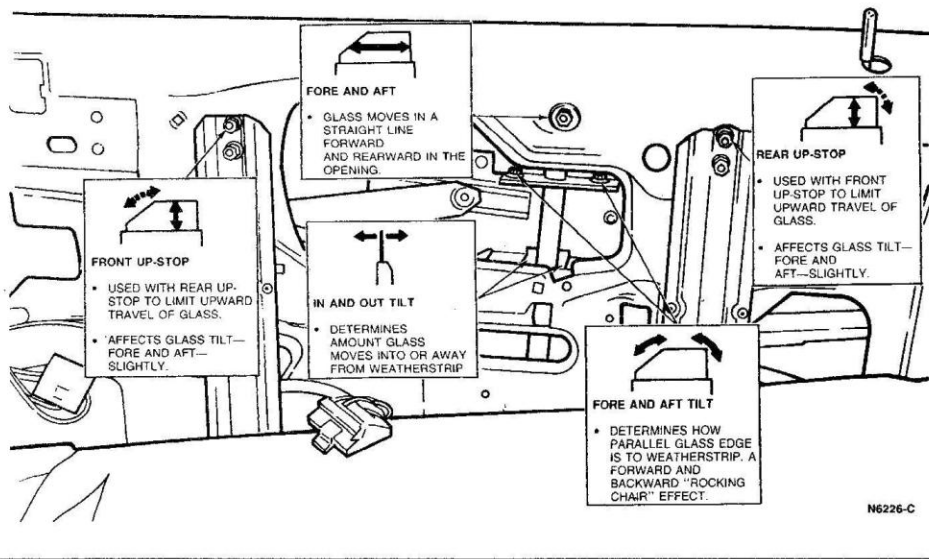
## Door Glass Diagnosis

Refer to the diagnostic index when performing the Door Glass Adjustment procedures to adjust the glass according to the symptom present.

## DIAGNOSTIC INDEX

Symptom	Adjustment Steps
Door glass is too far forward or too far rearward	Steps 1, 2 and 3
Gap at division bar is uneven	Steps 1, 2, 4, 5 and 6
Door glass is parallel to top but is too high or too low	Steps 1, 4, 5 and 6
Top of glass is tilted outward or crossover occurs	Steps 1, 4, 5, 7, 9 and 10
Gap along belt line moulding	Steps 1, 4, 5, 7 and 8

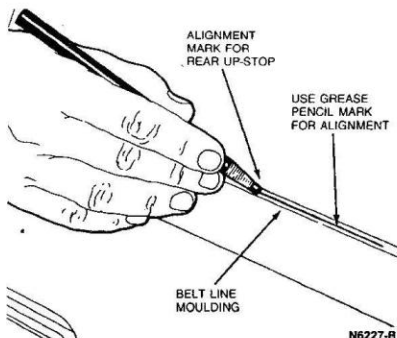
CN6225-C



N6226-C

**NOTE:** The key to correcting water leaks caused by an improperly adjusted door glass or quarter window is to perform the glass and weatherstrip adjustments carefully and exactly as shown. Any shortcuts used in this procedure probably will not eliminate the water leaks.

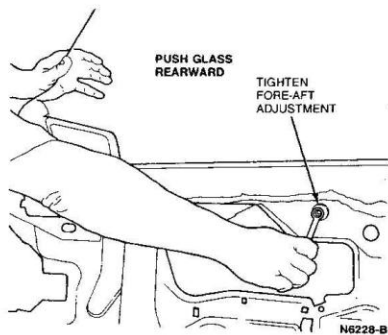
- Using a grease pencil, scribe an alignment mark on the glass along the belt line moulding. Scribe a vertical line above each up-stop adjustment point. This provides a reference point for adjustments. Remove door trim panel.



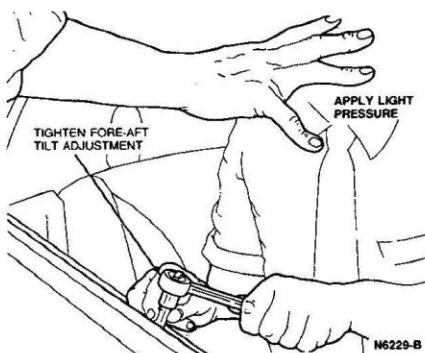
N6227-B

## DIAGNOSIS AND ADJUSTMENTS (Continued)

- If necessary, loosen all adjustments.
- Push the door glass to its full rearward position and tighten the fore-and-aft adjustment.

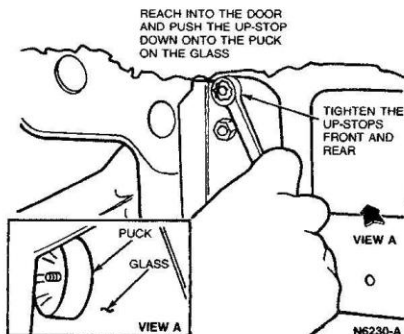


- Have an assistant sit in the front seat with the necessary tools to tighten the adjustments and close the door.
- Position the glass in the door opening and hold it in place as close as possible to the correct position in relation to the weatherstrips and quarter window. Apply a slight pressure at the top of the glass while an assistant tightens the fore-and-aft tilt adjustment.

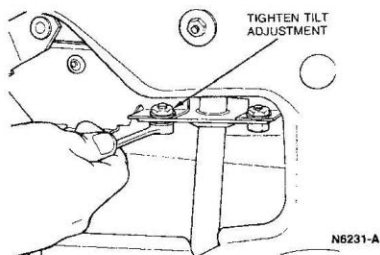


NOTE: The adjustment is accessible through the opening between the door glass and inner door panel.

- Hold the glass and have an assistant tighten the front and rear up-stops. Push the up-stops downward against the plastic puck on the door glass and tighten the adjustment.



- While holding the door glass in position, lower it approximately 152.4mm (6-inches) and tighten the in and out tilt adjustment.

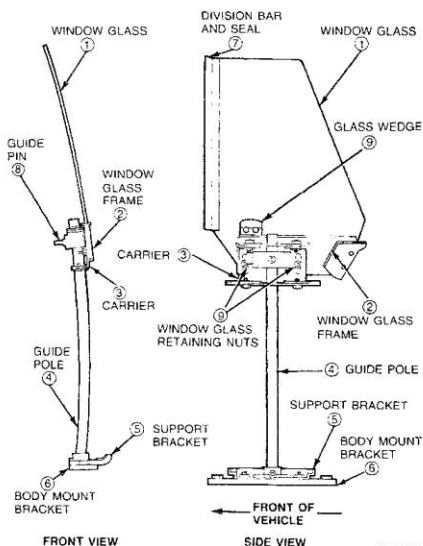




## Quarter Window Adjustment By Symptom

To adjust the quarter window, the seats, quarter trim panel, shoulder harness retractor and the watershield must be removed. Refer to Removal and Installation.

The quarter window glass is nested in a metal frame which is attached to the window carrier. The window carrier is guided by a curved pole pinned to a support bracket which is attached to the vehicle body through another mounting bracket. The quarter glass to door glass seal is an integral part of the division bar attached to the lead edge of the quarter glass. Window movement is accomplished through the window regulator assembly attachment to the carrier guide pin.



**NOTE:** The following adjustments only pertain to the quarter window, assuming that the top rails are centered and at the correct height and the door glass is or has been properly adjusted. (Top should be lowered).

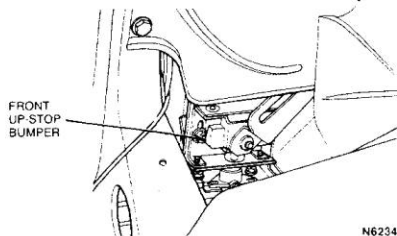
Perform preliminary adjustment Steps 1, 2 and 3 before performing Adjustments for Symptoms A through D.



## DIAGNOSIS AND ADJUSTMENTS (Continued)

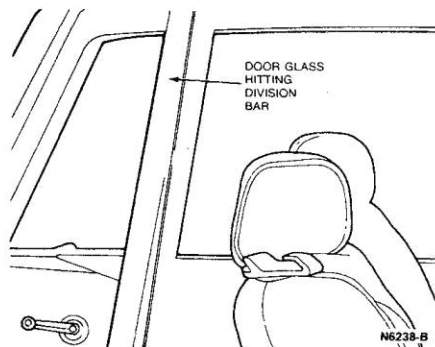
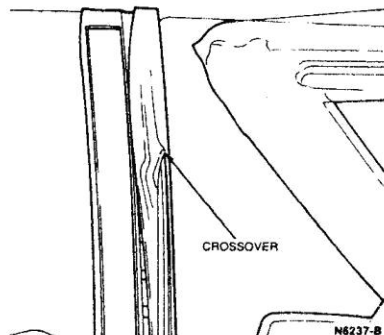
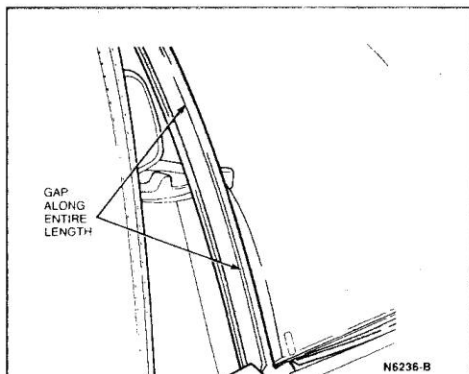
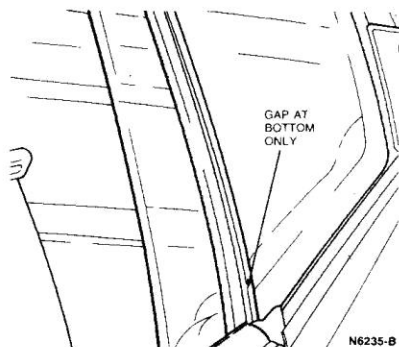
**Preliminary Adjustment**

1. Lower window until carrier is exposed below the regulator panel.
2. Remove front up-stop. Inspect for deformation. If deformed, replace and check window alignment.



3. If replacing the front up-stop corrects the noted misalignment, install the watershield, shoulder harness retractor, quarter trim panel and rear seat as described in this Section.

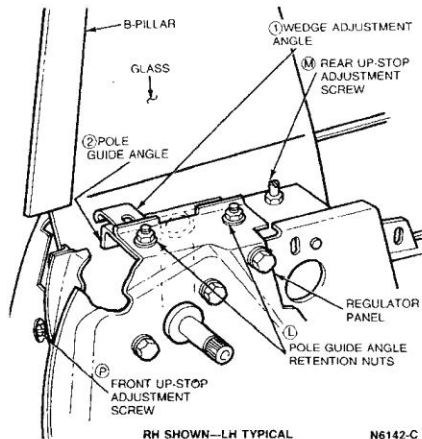
The adjustment procedures for the quarter window are divided into five separate procedures according to misalignment symptoms. Determine which procedure best describes the misalignment being corrected.



## DIAGNOSIS AND ADJUSTMENTS (Continued)

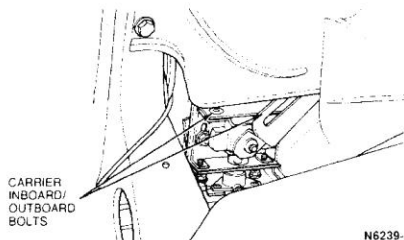
**Symptom A: Gap at bottom of door glass only.****Adjustment**

1. Loosen the pole guide angle retention nuts and position the pole guide angle outboard at the front edge only enough to eliminate the gap.



2. Tighten the retention nuts making sure the wedge adjustment angle is snug up against the glass wedge.
3. Cycle the quarter window up and down a few times, noting the position of the division bar seal to the door glass.
4. If the gap is eliminated, verify that crossover does not exist when cycling both the quarter glass and the door glass. (To eliminate the gap, proceed with the next step. To eliminate crossover, refer to Symptom C).

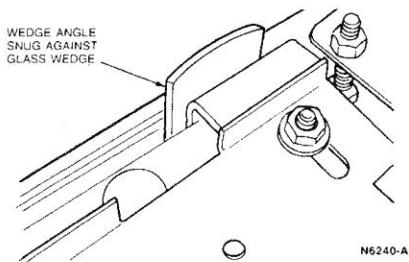
5. If the gap is still evident, lower the quarter window and loosen the carrier in/outboard bolts. Raise the quarter window and position the division bar seal tight to the door glass. Lower quarter window and tighten the carrier in/outboard bolts. Raise the quarter window and check the seal.



6. Cycle the quarter window and door glass a number of times, verifying that crossover does not exist. If crossover exists, refer to Symptom C.
7. Install the watershield, shoulder harness retractor, quarter trim panel and rear seat as described in this Section.
8. Perform procedures for Symptom E.

**Symptom B: Quarter glass gap entire length of door glass.****Adjustment**

1. Perform preliminary adjustment.
2. Lower the quarter window and loosen the carrier in/outboard bolts. Raise the quarter window and position the division bar seal snug to the door glass. Lower the quarter window and retighten the carrier in/outboard bolts. Raise the quarter window and check the seal. Repeat procedure if necessary.
3. Verify that the wedge adjustment angle is snug up against the glass wedge.

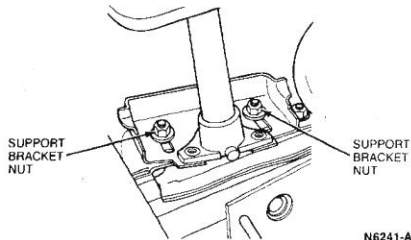


4. If a gap still exists between the door glass and quarter glass, the door glass must be tilted inboard along the rear edge. Refer to Door Glass Adjustments.
5. Cycle the quarter window and door glass a number of times verifying correct alignment and absence of crossover.
6. Install the watershield, shoulder harness retractor, quarter trim panel and rear seat as described in this Section.
7. Perform procedures for symptom E.

## DIAGNOSIS AND ADJUSTMENTS (Continued)

**Symptom C: Quarter window crossover to the door glass.****Adjustment**

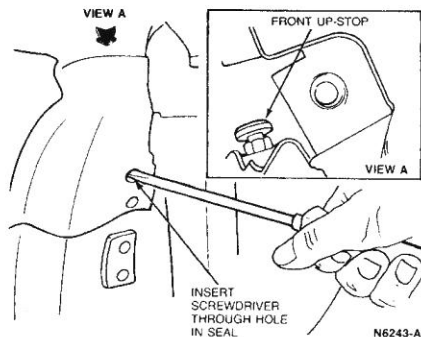
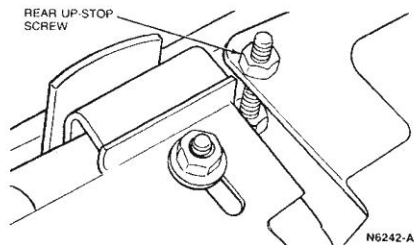
1. Perform preliminary adjustment.
2. Verify that the wedge adjustment angle is snug up against the glass wedge. If not, loosen the rear pole guide angle retention nut and move the wedge adjustment angle outboard snug against the quarter glass wedge.
3. Cycle the quarter window and door glass a number of times to check for crossover. If the condition still exists, proceed to the next step.
4. Loosen the support bracket mounting bolts and slide the support bracket outboard while maintaining a good seal at the division bar. Cycle the quarter window and door glass checking for crossover. If condition still exists, slide the support bracket outboard more until the crossover ceases. If this adjustment will not completely eliminate crossover, continue to the next step.



5. Lower the quarter window and loosen the carrier in/outboard bolts. Raise the quarter window and position the division bar seal tight to the door glass.
6. In the event that all above adjustments do not completely correct the problem, the door glass must be adjusted by tilting outboard at the rear edge.
7. Cycle the quarter window and door glass a number of times to verify that crossover will not occur.
8. Install watershield, shoulder harness retractor, quarter trim panel and rear seat as described in this Section.
9. Perform procedures for Symptom E.

**Symptom D: Door glass hits division bar when closing the door.****Adjustment**

1. Perform preliminary adjustment.
2. If condition still exists, adjust the rear up-stop adjustment screw clockwise until the quarter glass and door glass are parallel. If the gap between the quarter glass and door glass is too narrow, adjust the front up-stop adjustment screw clockwise until the desired spacing is obtained. Cycle the quarter window checking for repeatability. If the quarter glass is lower than the top edge of the door glass, proceed to Step 3. If OK, proceed to Step 4.



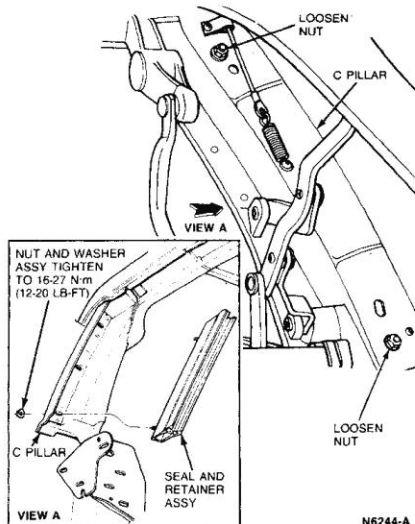
3. Lower the window, remove the front up-stop bumper. Install the bumper and raise the quarter window, positioning as required. Lower the quarter window and tighten the carrier mounting bolts. Raise the window and check alignment. Repeat procedure if necessary to obtain correct alignment.
4. Install watershield, shoulder harness retractors, quarter trim panel and rear seat as described in this Section.
5. Perform procedures for symptom E.
6. Touch up damaged paint on the division bar, if necessary.

## DIAGNOSIS AND ADJUSTMENTS (Continued)

**Symptom E: Quarter glass changes position when top is raised/lowered.**

**Adjustment**

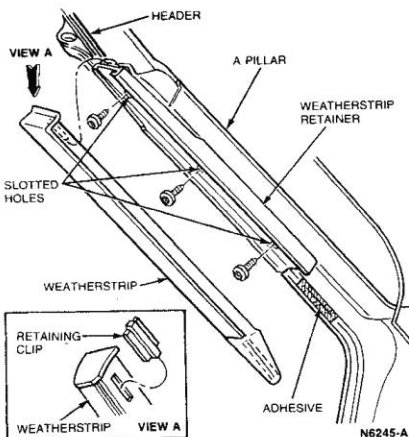
1. Cycle front and quarter windows alternately to check repeatability of alignment adjustments.
2. Lower quarter window.
3. Raise and latch top.
4. Loosen C-pillar seal retainer. (Retainer base must be moveable).



5. Raise quarter glass to full-up position.
6. Set and tighten C-pillar seal retainer. Tighten to 16-27 N·m (12-20 lb-ft).
7. Cycle top and door/quarter windows to verify repeatability of alignment adjustments.

**Weatherstrip Adjustments****A-Pillar Weatherstrip****A-Pillar Seal Not Centered**

1. If the A-pillar weatherstrip is not centered on the door glass with the door closed and the glass in the full up position, the weatherstrip retainer must be adjusted inboard/outboard.
2. Disengage the weatherstrip retaining clip from the retainer by pulling upward. Disengage the weatherstrip from the retainer to gain access to the mounting screws. Loosen the screws, install the weatherstrip, and close the door. Cycle the door glass a few times to center the retainer.



3. Lower the glass. Carefully disengage the weatherstrip from the retainer and tighten the screws. Install the weatherstrip and close the door.
4. Cycle the door glass and check that the weatherstrip is centered on the glass.

**Gap at Top of A-Pillar**

1. If a gap is present at the top of the A-pillar between the A-pillar weatherstrip and the convertible top header weatherstrip, the A-pillar weatherstrip must be raised.
2. Disengage the weatherstrip retaining clip from the retainer by pulling upward. Disengage the weatherstrip from the retainer. Carefully separate the lower end of the weatherstrip from the A-pillar at the base of the retainer.
3. Clean the adhesive from the weatherstrip and A-pillar.
4. Install the weatherstrip in the retainer so that no gap is present at the header weatherstrip.
5. Apply Weatherstrip Adhesive COAZ-19552-A, or equivalent, on the lower end of the weatherstrip and the A-pillar, and position the weatherstrip on the A-pillar.
6. Cycle the convertible top a few times to ensure the gap has been eliminated.

**Intermediate Rail Weatherstrip**

**NOTE:** On some vehicles, the weatherstrip is installed with adhesive. If the weatherstrip must be adjusted, carefully remove the weatherstrip from the retainer and clean the adhesive from the retainer channel and the weatherstrip.