

## SECTION 7 REAR QUARTER

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### DESCRIPTION

Closed style rear quarter windows operate within glass run channels. Hardtop and convertible styles employ nylon rollers that are component parts of the lower sash or bolt directly to the glass. These rollers primarily operate within or against a center guide that may vary somewhat, dependant on the style involved.

All quarter glass is constructed of solid tempered safety plate. Caution must be applied when handling glass, as glass may shatter if it is chipped or scratched. Do Not attempt to grind or drill glass.

When performing any service operations to the rear quarter window hardware, it is necessary to remove the rear quarter trim assembly (see Section 14).

### REAR QUARTER INNER PANEL SEALING

All rear quarter inner panels are sealed with one or a combination of water deflectors, access hole covers, sealing plugs (or grommets) and body

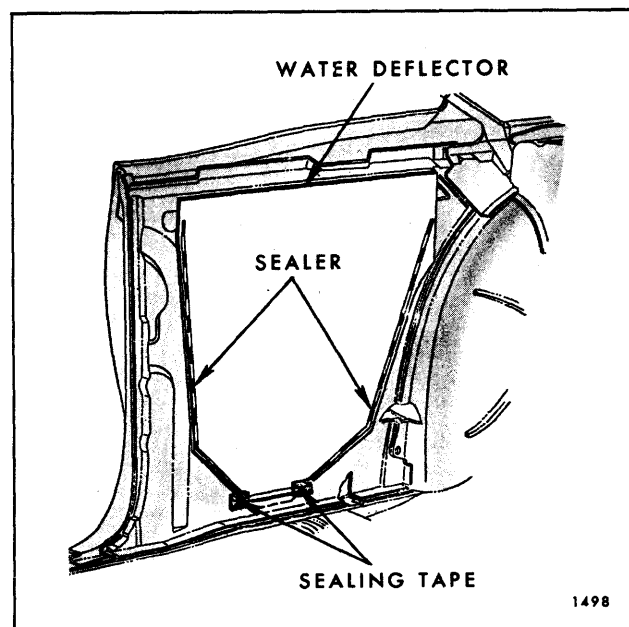


Fig. 7-1—Rear Quarter Inner Panel Sealing - Typical of Water Deflector Installation

sealer. Service procedures for inner panel water deflectors are outlined in the "Front and Rear

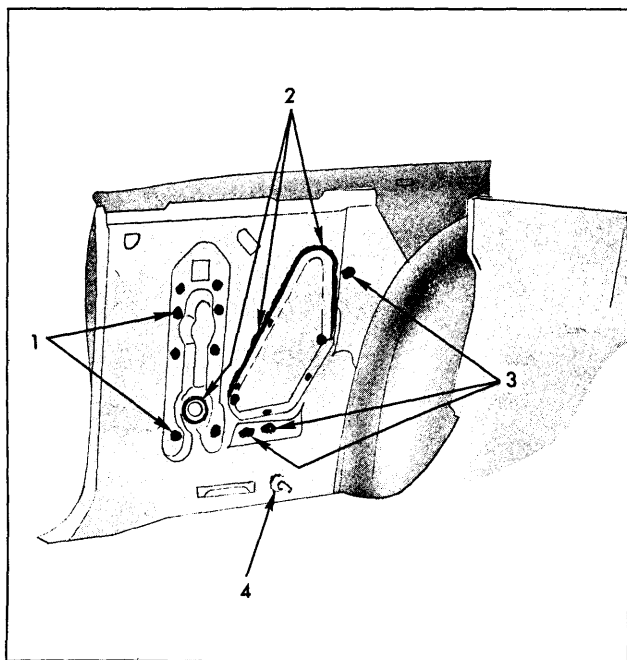


Fig. 7-2—Rear Quarter Typical Inner Panel Sealing - "67" Styles

1. Regulator Attaching Bolt Slots
2. Access Hole Covers
3. Window Guide Adjusting Stud Slots
4. Electrical Harness Grommet

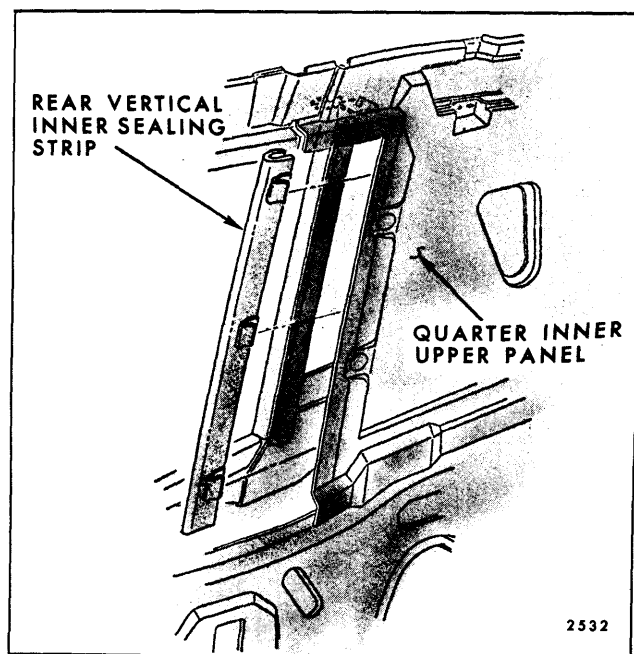


Fig. 7-3—Rear Quarter Window Rear Vertical Inner Sealing Strip Assembly

Door" section of this manual (see index). Figure 7-1 is typical of a water deflector installation.

Inner panel access hole covers are retained by screws and sealed with a non-hardening body sealer. Usually, removal of either the water deflector or access hole cover will provide the clearance required for service procedures of rear quarter hardware. Whenever any seal has been disturbed, however, the area must be carefully resealed to prevent waterleaks. Body caulking compound is recommended for service sealing. Figure 7-2 illustrates quarter inner panel sealing on styles which use individual seals at all hardware attaching locations.

### QUARTER WINDOW REAR VERTICAL INNER SEALING STRIP—"B-37-47-C-47-57 & G-57" Styles

The rear vertical inner sealing strip is attached to the quarter inner upper panel with clips that are an integral part of the sealing strip (Figure 7-3).

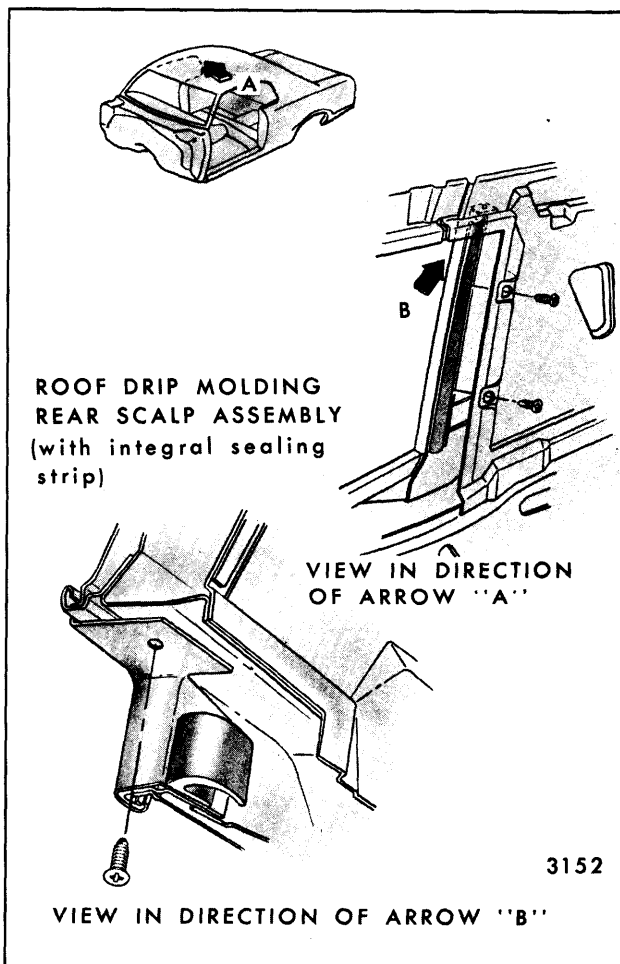


Fig. 7-4—Quarter Window Rear Vertical Outer Sealing Strip - "B-47, C-47, 57" and "B-37" Styles

To remove the strip assembly, lower quarter window and disengage side roof rail finishing molding adjacent to sealing strip. Slide strip assembly forward to disengage clips and remove sealing strip from window opening.

### QUARTER WINDOW REAR VERTICAL OUTER SEALING STRIP—"B-47"— "C-47-57" and Pontiac, Oldsmobile and Buick "B-37" Styles

On all of the above styles except "B-37", the rear vertical outer sealing strip is an integral part of the drip scalp molding and, as such, is removed with the molding.

To remove the molding and sealing strip assembly, remove the quarter upper trim assembly to gain access to the attaching screws illustrated in Figure 7-4.

### REAR QUARTER WINDOW— "A-27 & 77"—"B-11" & "X-27" Styles

#### Removal and Installation

1. Remove rear quarter trim assembly and inner panel water deflector.
2. Operate quarter window to the position illustrated in Figure 7-5.

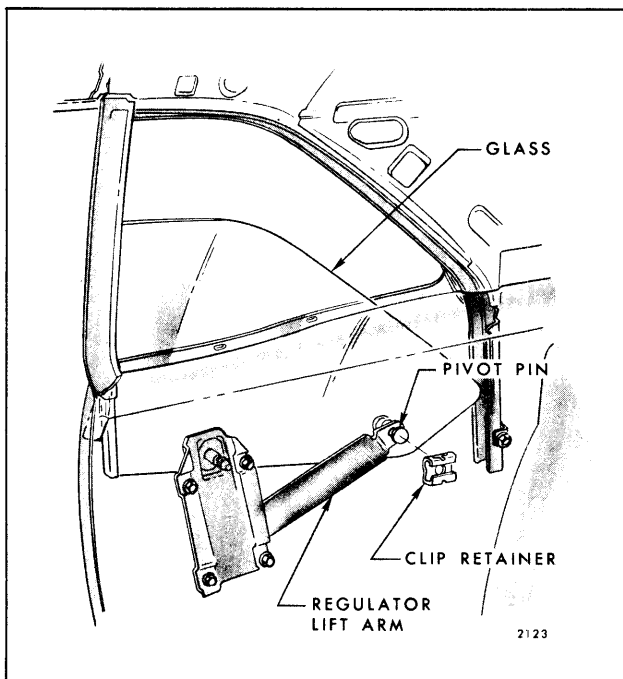


Fig. 7-5—Rear Quarter Window Attachment - Typical  
"A" Closed Styles

**NOTE:** Figures 7-5, 7-6 and 7-7 are typical of rear quarters with the inner panels removed. These figures identify the component parts of the rear quarter hardware (by style), their relationship and various attaching points.

3. While supporting glass, disengage clip retainer securing regulator lift arm to glass.
4. Manually lower glass until both front and rear bottom edges are sufficiently free of their respective run channels to rotate front edge of window down between rear quarter inner and outer panels. Remove window, rear edge up, inboard of side roof rail.
5. To install, reverse removal procedure.

#### Adjustments

All window assembly adjustments are provided at the window regulator attaching screws.

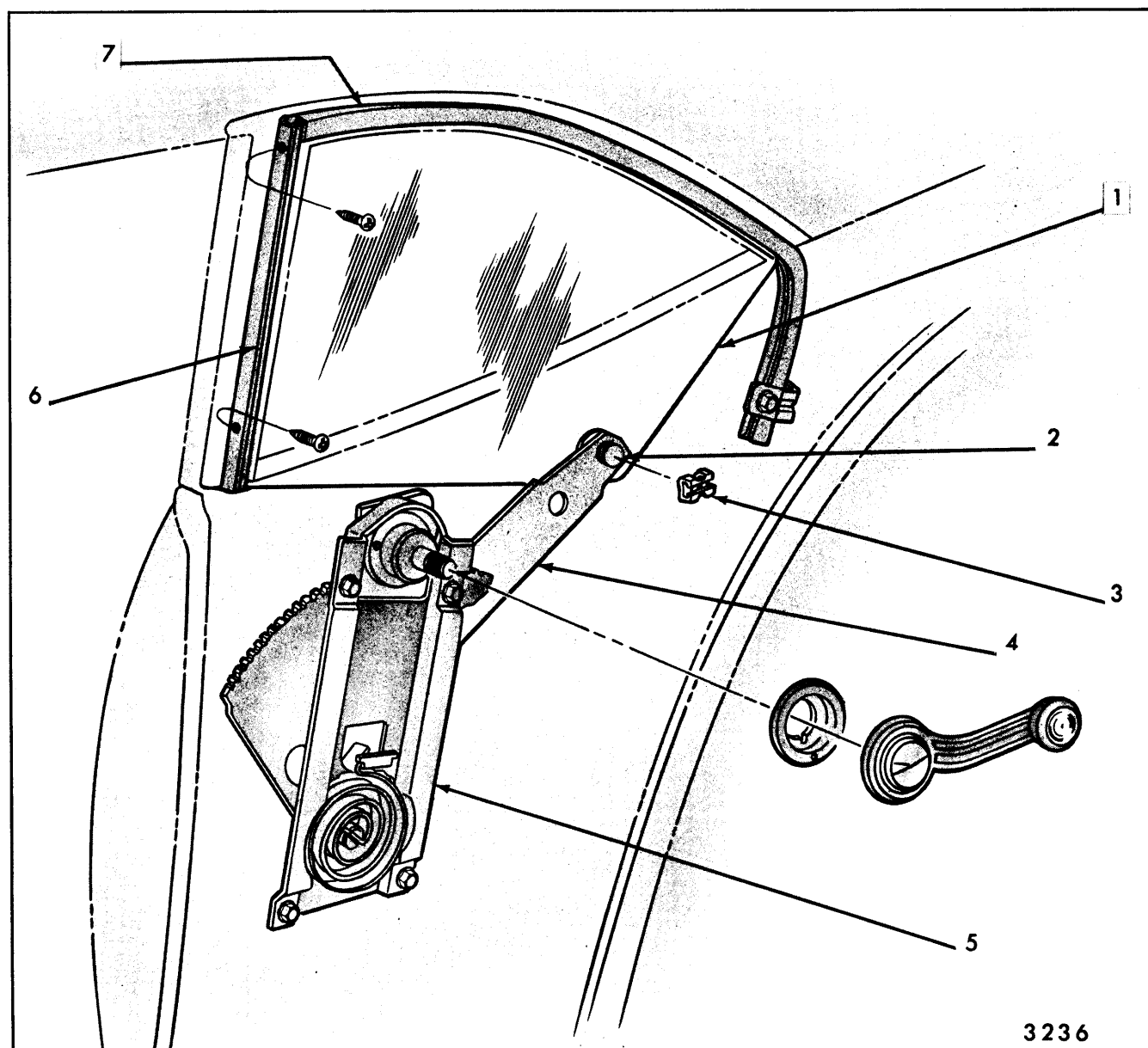
1. To obtain proper seating of the glass in the upper glass run channels, or proper contact between belt sealing strips and lower sash channel, loosen regulator attaching screws and adjust window as required.
2. To eliminate a fore and aft bind between the glass run channels (hard operating window), or a condition where window will not stay in rear run channel, loosen rear run channel attaching bolt and adjust run channel fore or aft as required.

### REAR QUARTER WINDOW REAR RUN CHANNEL—All Closed Styles

#### Removal and Installation

1. Remove rear quarter window as previously described.
2. Remove run channel to inner panel attaching bolt (Fig. 7-8).
3. Remove screws securing run channel to side roof rail along length of run channel.
4. Using a flat-bladed tool, carefully pry run channel retaining clips (rosebud fasteners) from piercings in side roof rail.

**NOTE:** If difficulty is encountered disengaging run channel, inspect inside of channel for the presence of screws.

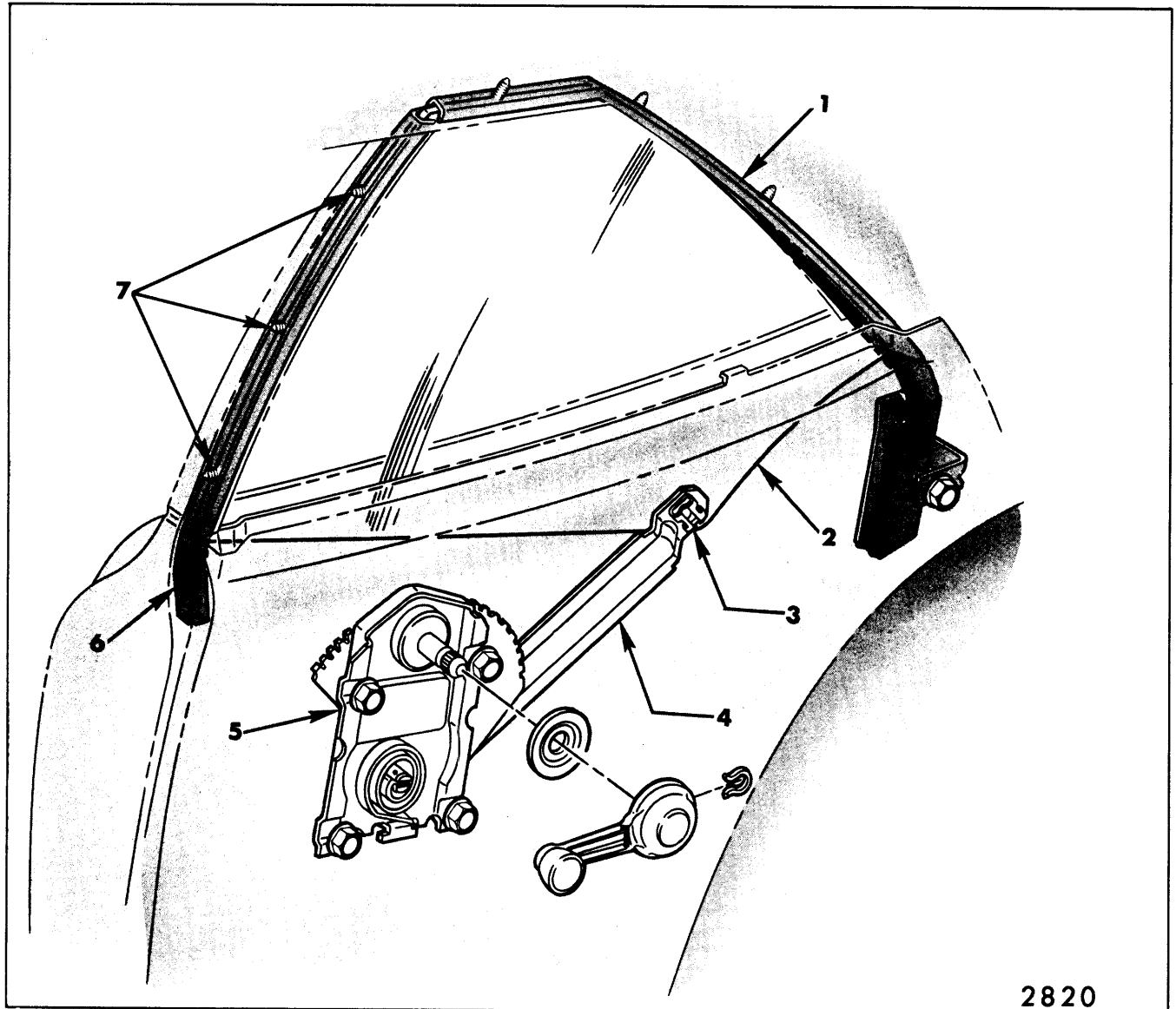


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Fig. 7-6—Rear Quarter Hardware - "B-11" Styles

1. Glass
2. Pivot Pin
3. Clip Retainer
4. Regulator Lift Arm
5. Regulator Assembly
6. Garnish Molding
7. Glass Run Channel





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Fig. 7-7—Rear Quarter Hardware - "X-27" Styles

1. Rear Glass Run Channel
2. Rear Window Glass
3. Retainer and Pivot Pin
4. Regulator Lift Arm
5. Regulator Assembly
6. Front Glass Run Channel
7. Front Run Channel Retaining Screws

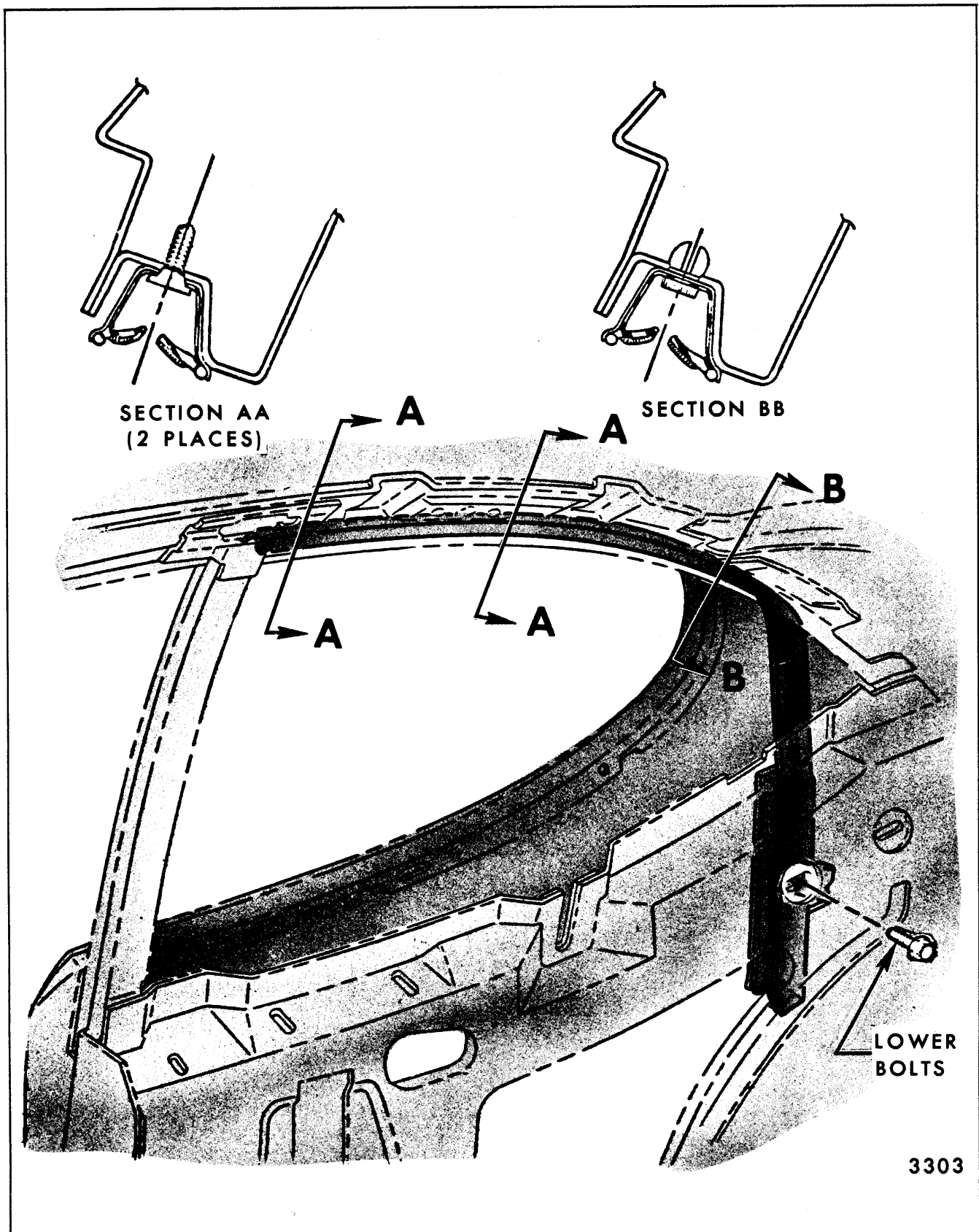


Fig. 7-8—Rear Quarter Window Glass Run Channels - Typical of All Closed Styles

5. Prior to installation, inspect foam sealing material for any damage that would result in waterleaks, and replace as necessary.
6. To install, reverse removal procedure.

## REAR QUARTER WINDOW FRONT RUN CHANNEL—All Closed Styles

### Removal and Installation

1. Remove rear quarter window as previously described.
2. Remove screws along length of run channel securing channel to body (Fig. 7-9).

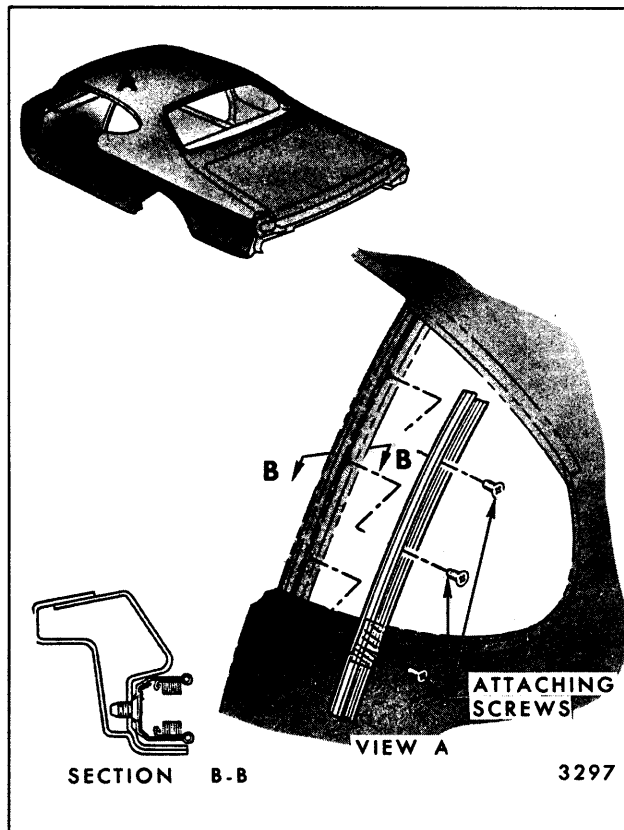


Fig. 7-9—Rear Quarter Window Front Glass Run Channel - Typical of All Closed Styles

3. On all styles, using a flat-bladed tool, pry run channel from body pillar and remove run channel.
4. To install, reverse removal procedure. Prior to installation inspect sealing material on body pillar or run channel and replace or add to as required.

## REAR QUARTER WINDOW INNER AND OUTER STRIP ASSEMBLIES—All Styles

On styles equipped with a full (hang-on) rear quarter trim assembly, the inner strip is attached to top of trim pad. On other styles, and for all outer strip assemblies, retention is achieved by a series of clips or screws. In some cases it will be necessary to remove quarter window to achieve access. For complete removal and installation procedures, refer to the "Door" section of this manual.

## REAR QUARTER WINDOW ASSEMBLY—"A-37-87 & 67" & "G-57" Styles

### Description

All "A & G" body rear quarter hardware is similar in design, as shown in Figures 7-10, 7-11 and 7-12. These illustrations identify the component parts of the rear quarter hardware (by style), their relationship and various attaching points.

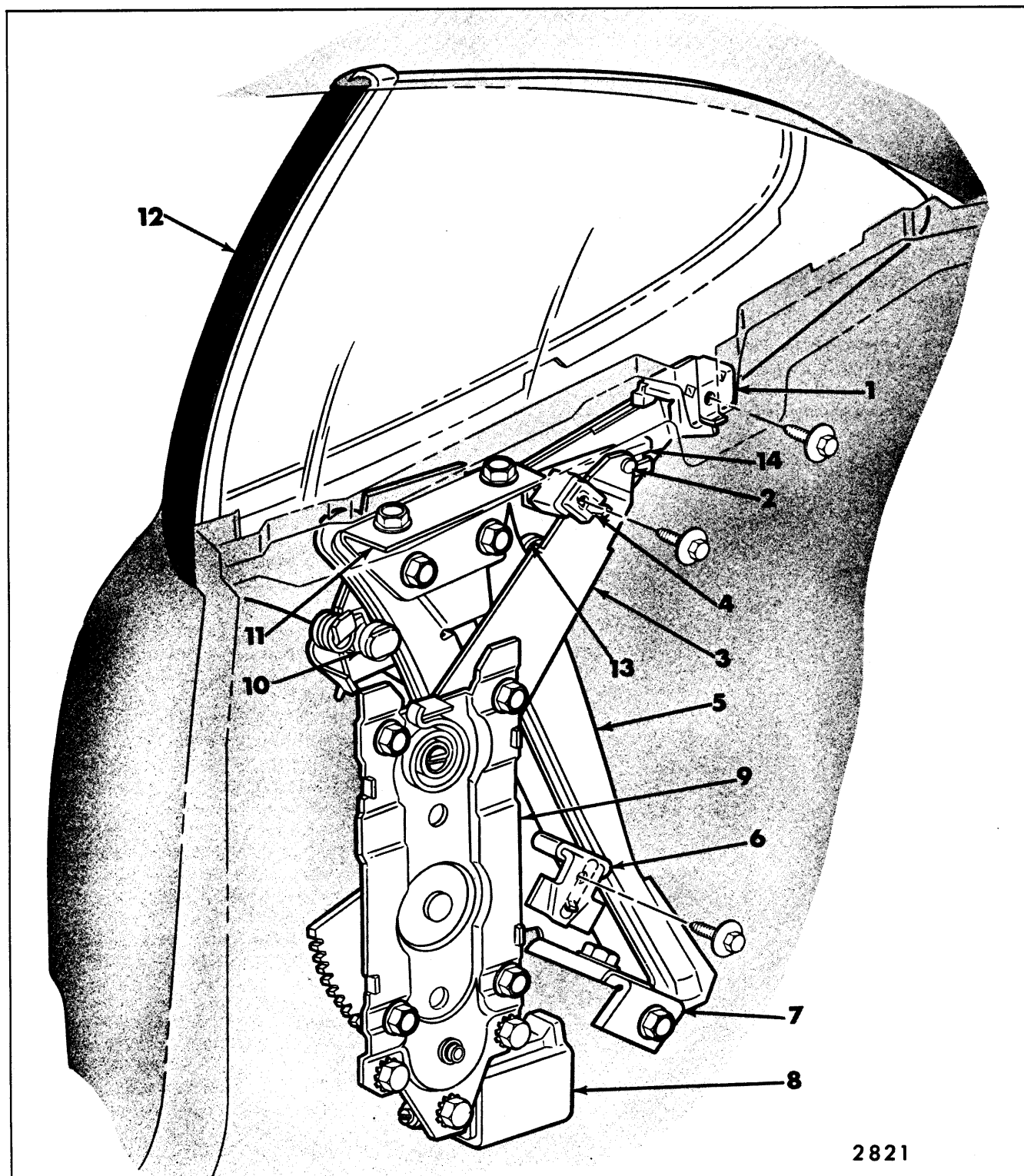
### Removal and Installation

1. Remove rear seat cushion, seat back, rear quarter trim and inner panel water deflector and/or loading hole cover. On "67" Styles, lower folding top.
2. Remove rear up-travel stop.
3. Remove window guide to upper support attaching bolts.
4. Loosen window guide lower attaching bolt and tilt glass to enable disengagement of lift arm roller from sash channel cam.
5. Lift glass straight up for disengagement from guide and remove window outboard of side roof rail.
6. To install, reverse removal procedure. It may be necessary to remove the window guide lower attaching bolts to permit greater movement of the guide when loading window assembly.

### Adjustments

The rear quarter window guide is secured to the quarter inner panel at the bottom and top with support brackets. These support brackets provide both in and out and fore or aft adjustment of the glass. One down-stop and two up-stops are provided for alignment operations.

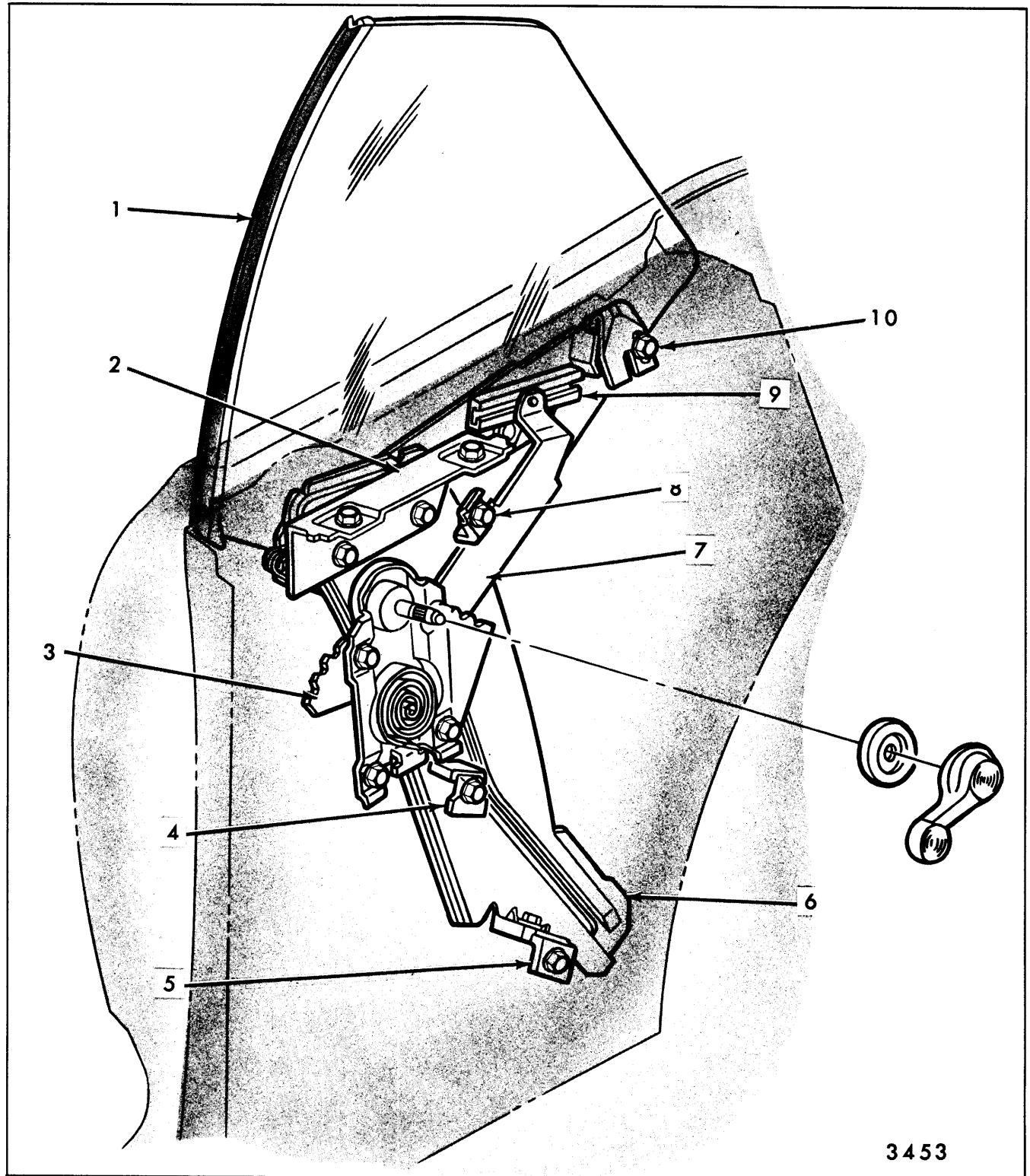
Figure 7-13 is typical of most hardtop or convertible styles utilizing a single window guide.



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Fig. 7-10—Rear Quarter Hardware - "A-37 & 87" Styles

- |                              |                                |                                 |
|------------------------------|--------------------------------|---------------------------------|
| 1. Rear Up-Stop              | 6. Down Stop                   | 11. Upper Guide Support Bracket |
| 2. Regulator Lift Arm Roller | 7. Lower Guide Support Bracket | 12. Front Vertical Weatherstrip |
| 3. Regulator Lift Arm        | 8. Electric Motor              | 13. Rear Roller                 |
| 4. Front Up-Stop             | 9. Regulator Assembly          | 14. Sash Channel Cam            |
| 5. Window Guide              | 10. Front Roller               |                                 |



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Fig. 7-11—Quarter Hardware - "A-67"

- 1. Front Vertical Weatherstrip
- 2. Upper Guide Support Bracket
- 3. Regulator
- 4. Lower Stop

- 5. Lower Guide Support
- 6. Guide
- 7. Regulator Lift Arm

- 8. Guide Assembly
- 9. Sash Channel Cam
- 10. Rear Up-Stop

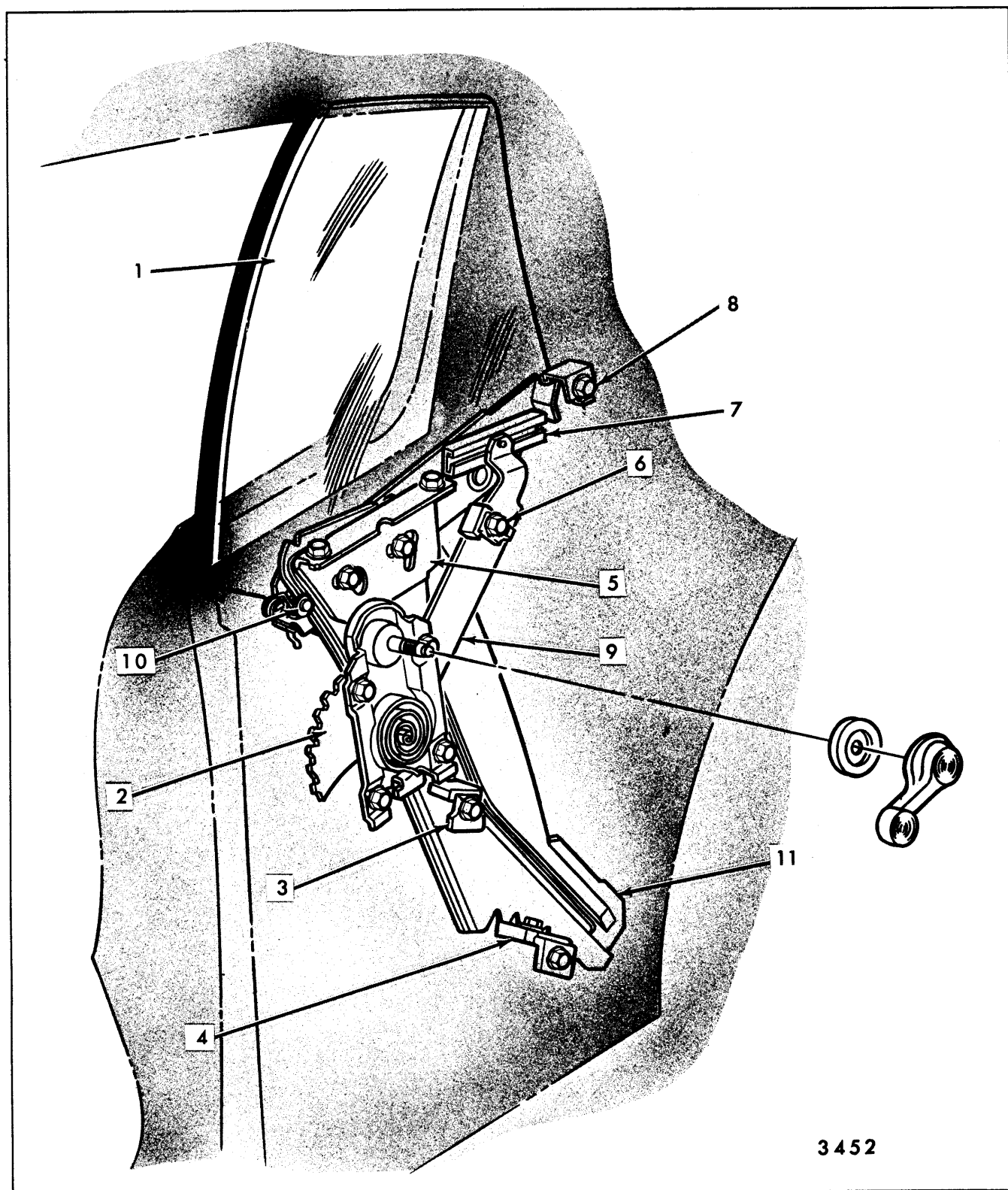


Fig. 7-12—Quarter Hardware - "G-57"

1. Window Glass  
2. Regulator  
3. Lower Stop

4. Support Guide Lower  
5. Support Guide Upper  
6. Front Upper Stop

7. Sash Channel Cam  
8. Rear Upper Stop  
9. Regulator Lift Arm

10. Front Roller  
11. Guide

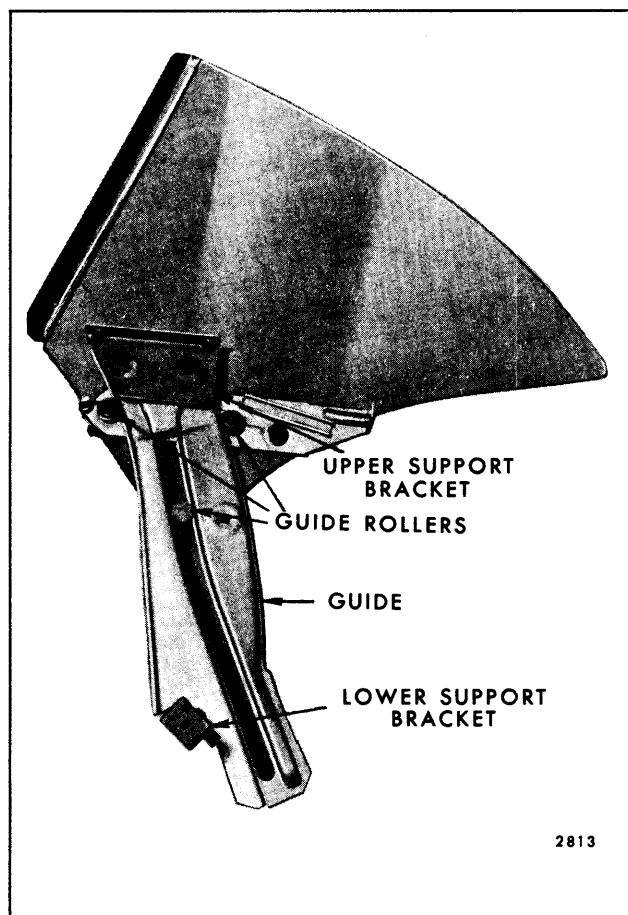


Fig. 7-13—Rear Quarter Window and Guide Assembly - "A-37, 67, 87" Styles

Figures 7-14 and 7-15 illustrate "A" and "G" body rear quarter window glass and hardware components that make up the window assembly.

**NOTE:** When reinstalling glass to sash channel bolts, or nylon roller nuts, torque to 72 inch pounds (6 foot pounds). The rear quarter window is constructed of solid tempered safety plate glass and cannot be drilled or ground.

Fig. 7-15—Rear Quarter Window Assembly - "A-37, 87" Styles Shown, "G-57" Style Typical

- |                              |                                 |
|------------------------------|---------------------------------|
| 1. Glass                     | 7. Guide Roller Spring          |
| 2. Lower Sash Channel Filler | 8. Guide Lower Roller           |
| 3. Lower Sash Channel        | 9. Guide Roller Washer Rubber   |
| 4. Lower Sash Channel Cam    | 10. Washer - Rubber             |
| 5. Glass to Sash Bolt        | 11. Glass to Sash Bushing       |
| 6. Guide Front Roller        | 12. Glass to Sash Nut           |
|                              | 13. Front Vertical Weatherstrip |

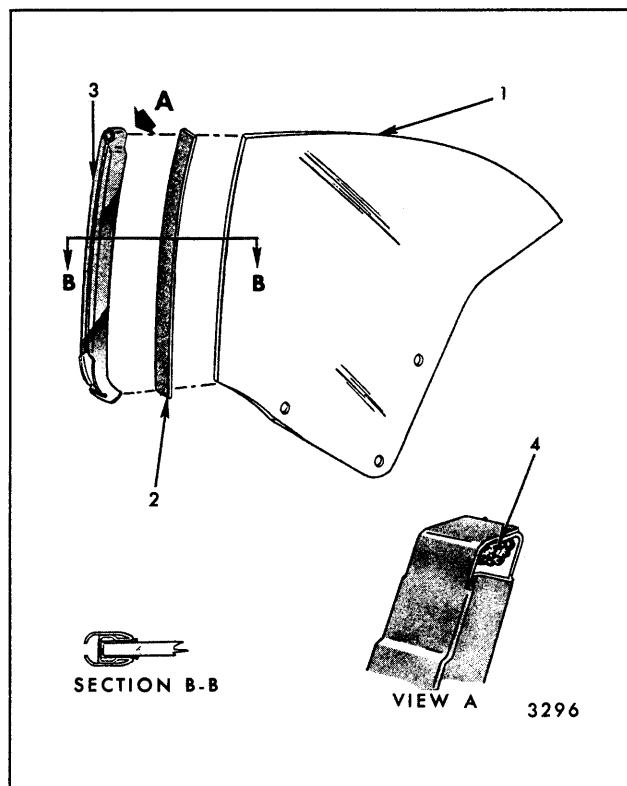
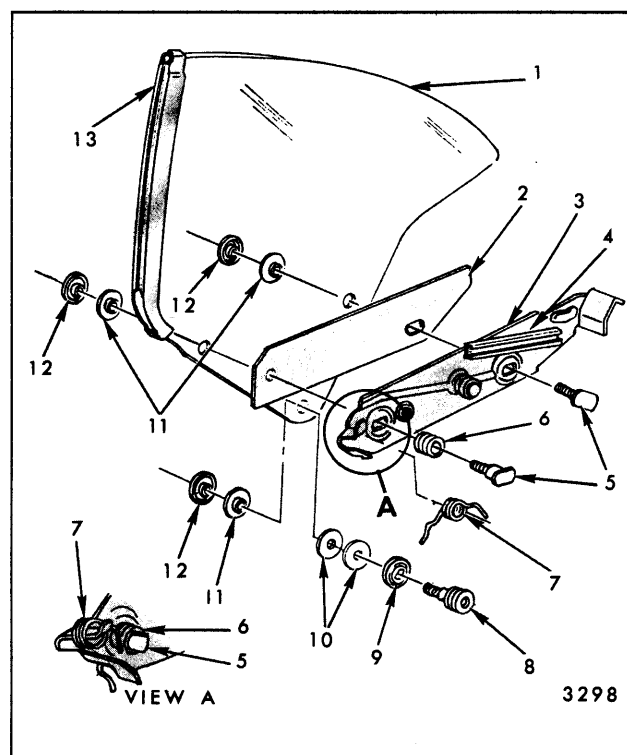
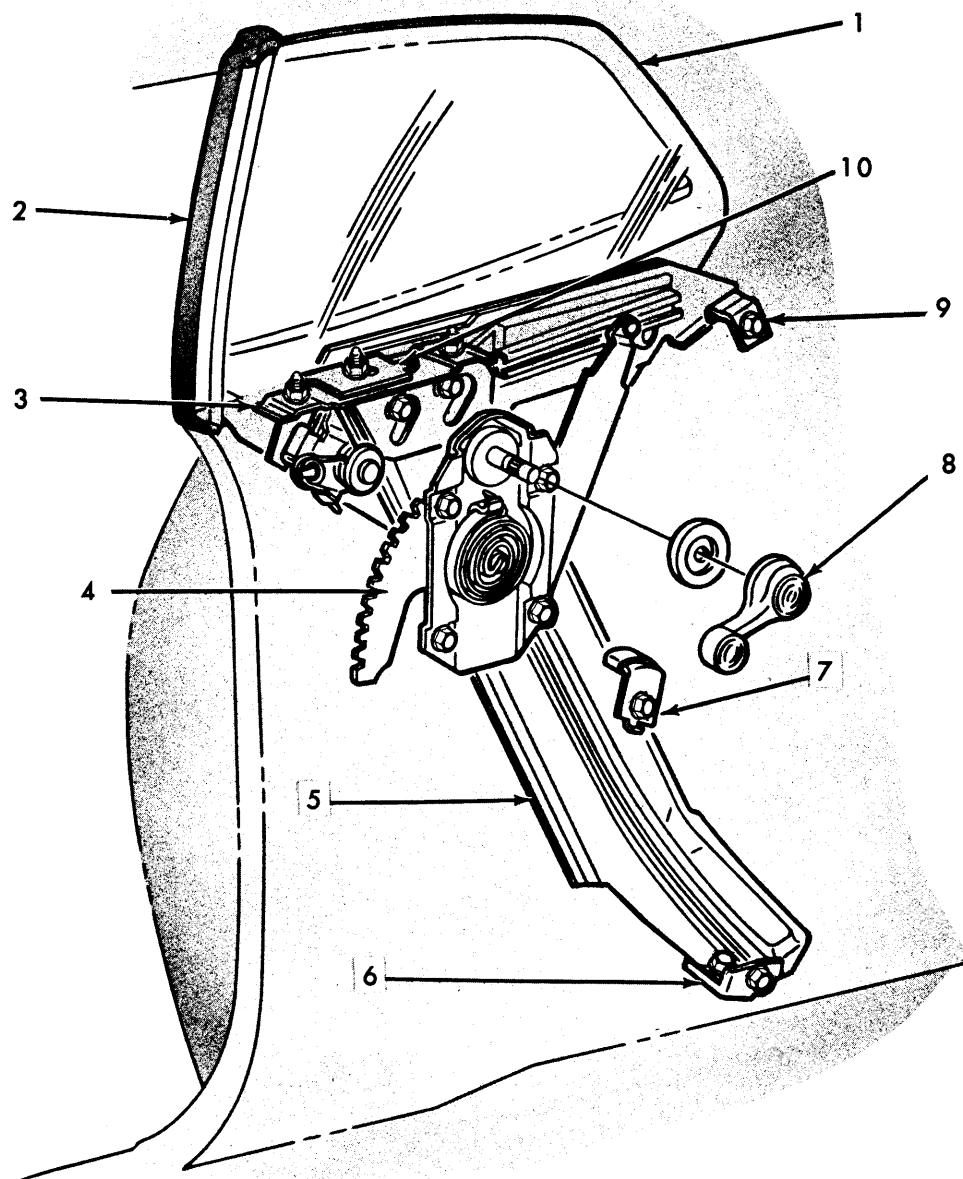


Fig. 7-14—Rear Quarter Window - "A-37, 87" Styles, "G-57" Style Typical

- |                         |            |
|-------------------------|------------|
| 1. Quarter Window Glass | 3. Channel |
| 2. Filler               | 4. Sealer  |





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Fig. 7-16—Quarter Window Hardware - "B & C" Body

- 1. Quarter Window Glass
- 2. Sash Channel
- 3. Support Assembly
- 4. Regulator Assembly

- 5. Guide
- 6. Lower Guide Support Assembly
- 7. Lower Stop Assembly

- 8. Handle
- 9. Upper Rear Stop Assembly
- 10. Upper Front Stop Assembly



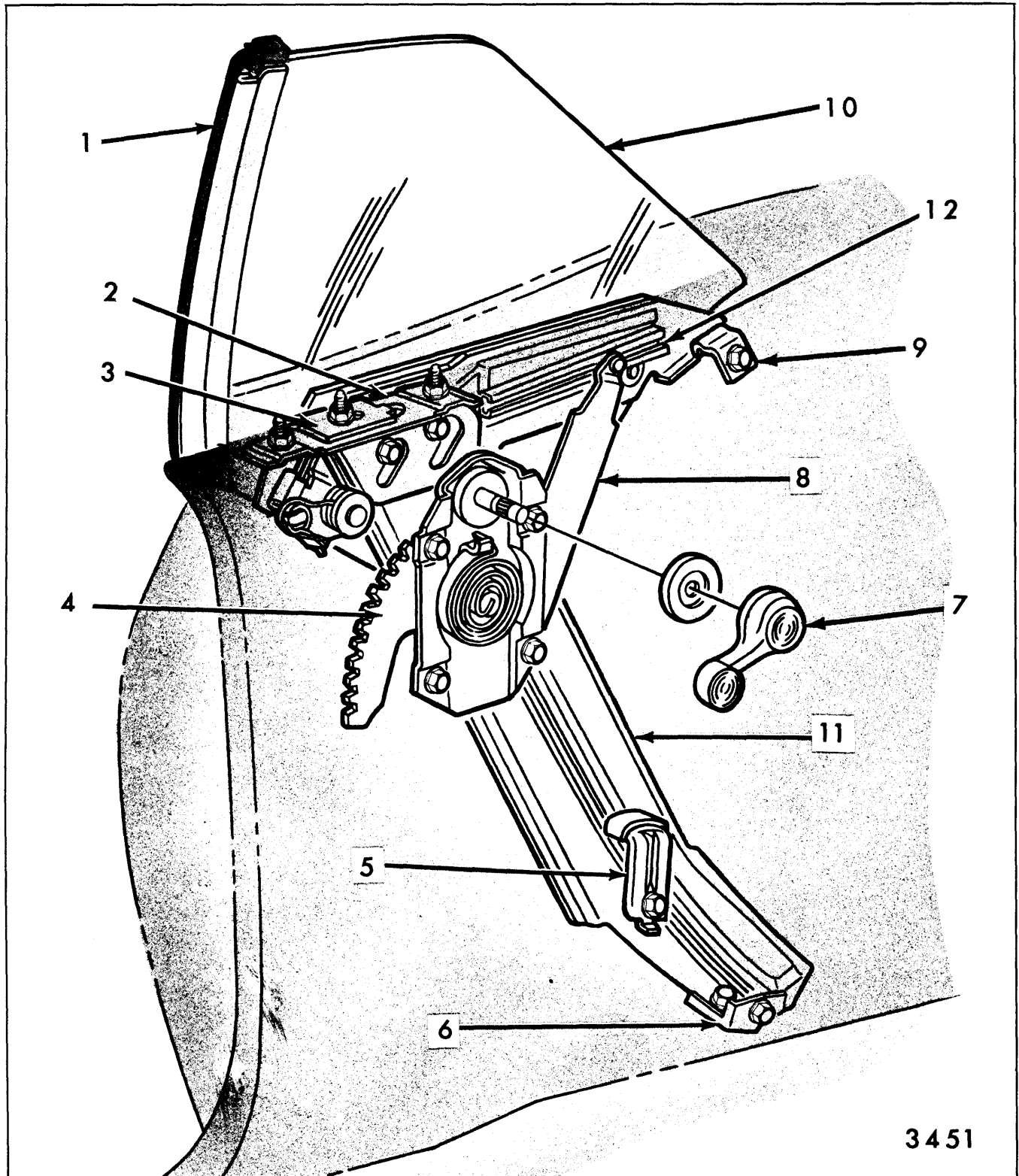


Fig. 7-17—Quarter Window Hardware - "B-C 67" Styles

1. Vertical Weatherstrip
2. Support Assembly
3. Front Upper Stop Assembly
4. Regulator Assembly

5. Lower Stop Assembly
6. Support Assembly Guide Lower
7. Handle
8. Regulator Lift Arm

9. Upper Rear Stop Assembly
10. Glass
11. Guide
12. Sash Channel Cam

## REAR QUARTER WINDOW ASSEMBLY— “B & C-37”-47-57 & 67” Styles

### Description

All “B & C” body rear quarter hardware is similar in design, as shown in Figures 7-16 and 7-17. These illustrations identify the component parts of the rear quarter hardware (by style), their relationship and various attaching points.

### Removal and Installation

1. Remove rear seat cushion, seat back, rear quarter trim and inner panel water deflector or loading hole cover. On “67” styles, lower folding top.
2. Remove rear up-travel stop (See Figs. 7-18 and 7-19).
3. Remove front up-travel stop.

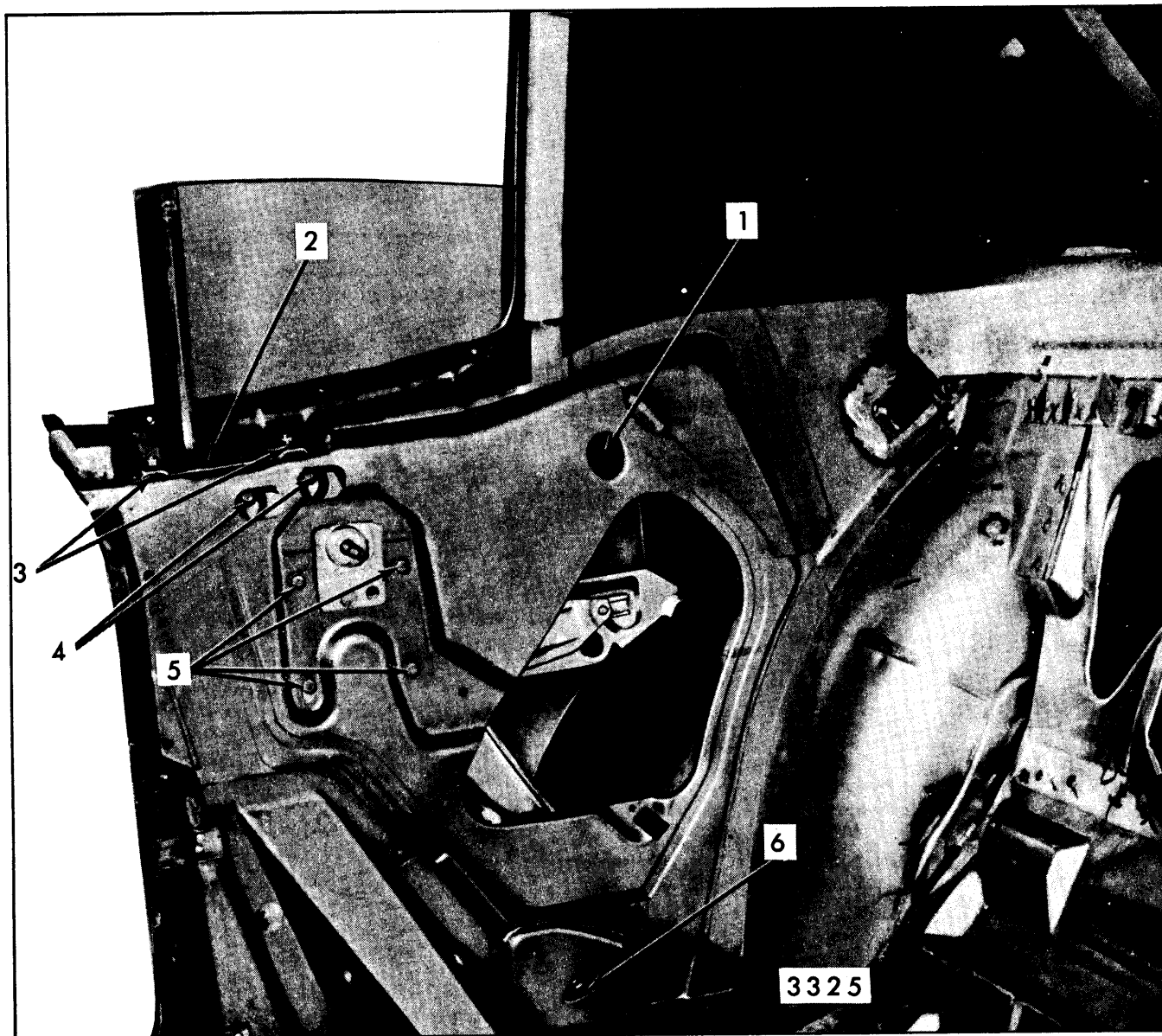


Fig. 7-18—Rear Quarter Hardware - “B-37, 47, 57” Styles

1. Rear Up Travel Stop  
2. Front Up Travel Stop

3. Window Guide to Upper Support Upper Attaching Bolts

4. Window Guide to Upper Support Lower Attaching Bolts

5. Window Regulator Attaching Bolts  
6. Window Guide Lower Support to Inner Panel Attaching Bolt

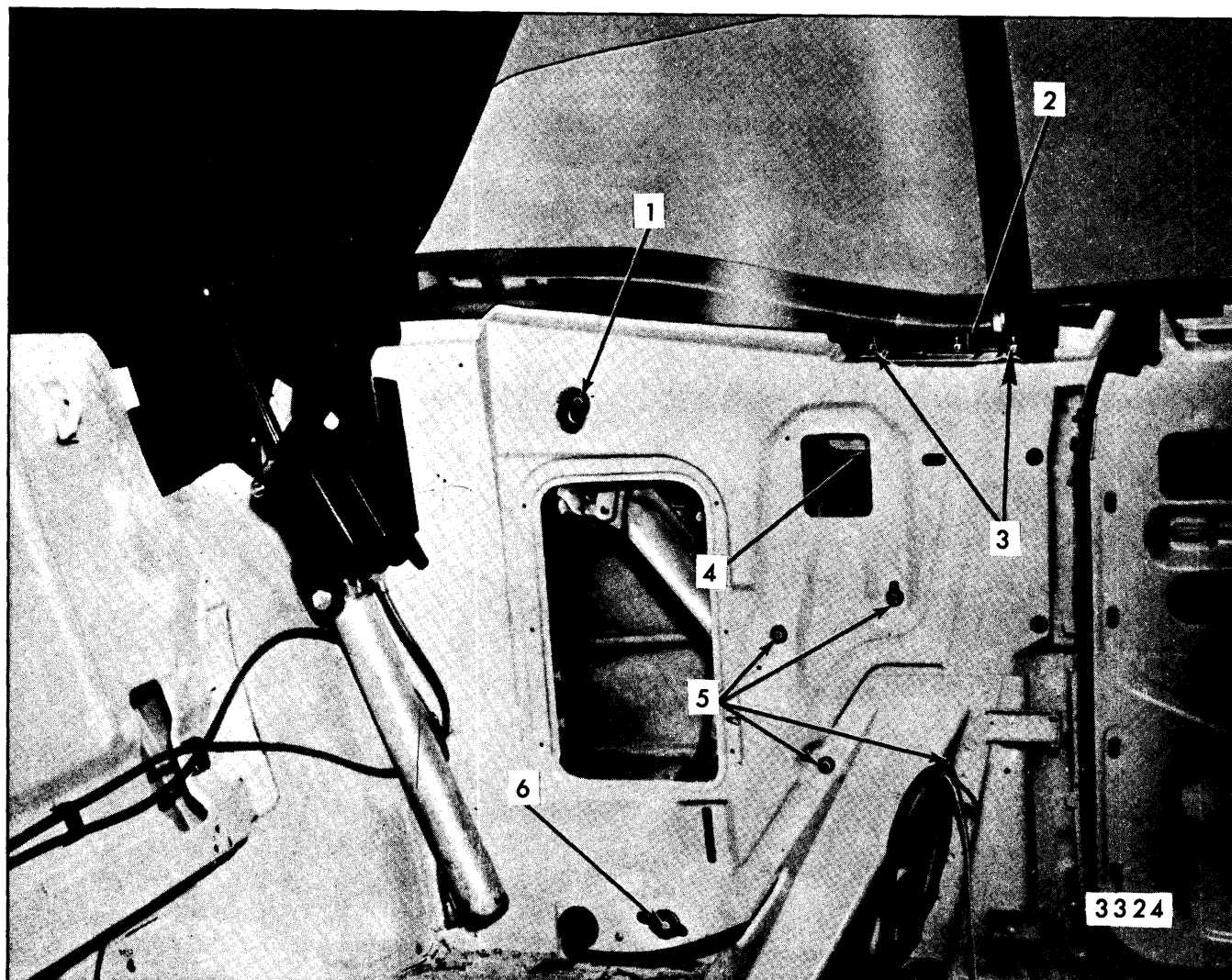


Fig. 7-19—Rear Quarter Hardware - "B-67" Styles

- |                         |                                                                    |                                                                |
|-------------------------|--------------------------------------------------------------------|----------------------------------------------------------------|
| 1. Rear Up Travel Stop  | 3. Window Guide to Upper Support<br>Upper Attaching Bolts          | 5. Window Regulator Attaching Bolts                            |
| 2. Front Up Travel Stop | 4. Window Guide to Upper Support<br>Lower Attaching Bolts (Hidden) | 6. Window Guide Lower Support to<br>Inner Panel Attaching Bolt |

4. Loosen window guide to upper support lower attaching bolts.
5. Remove window guide lower support to inner panel attaching bolt and slide guide downward. Tilt glass to enable disengagement of lift arm roller from sash channel cam.
6. Lift glass to disengage from guide and remove window inboard of side roof rail.
7. To install, reverse removal procedure.

### Adjustments

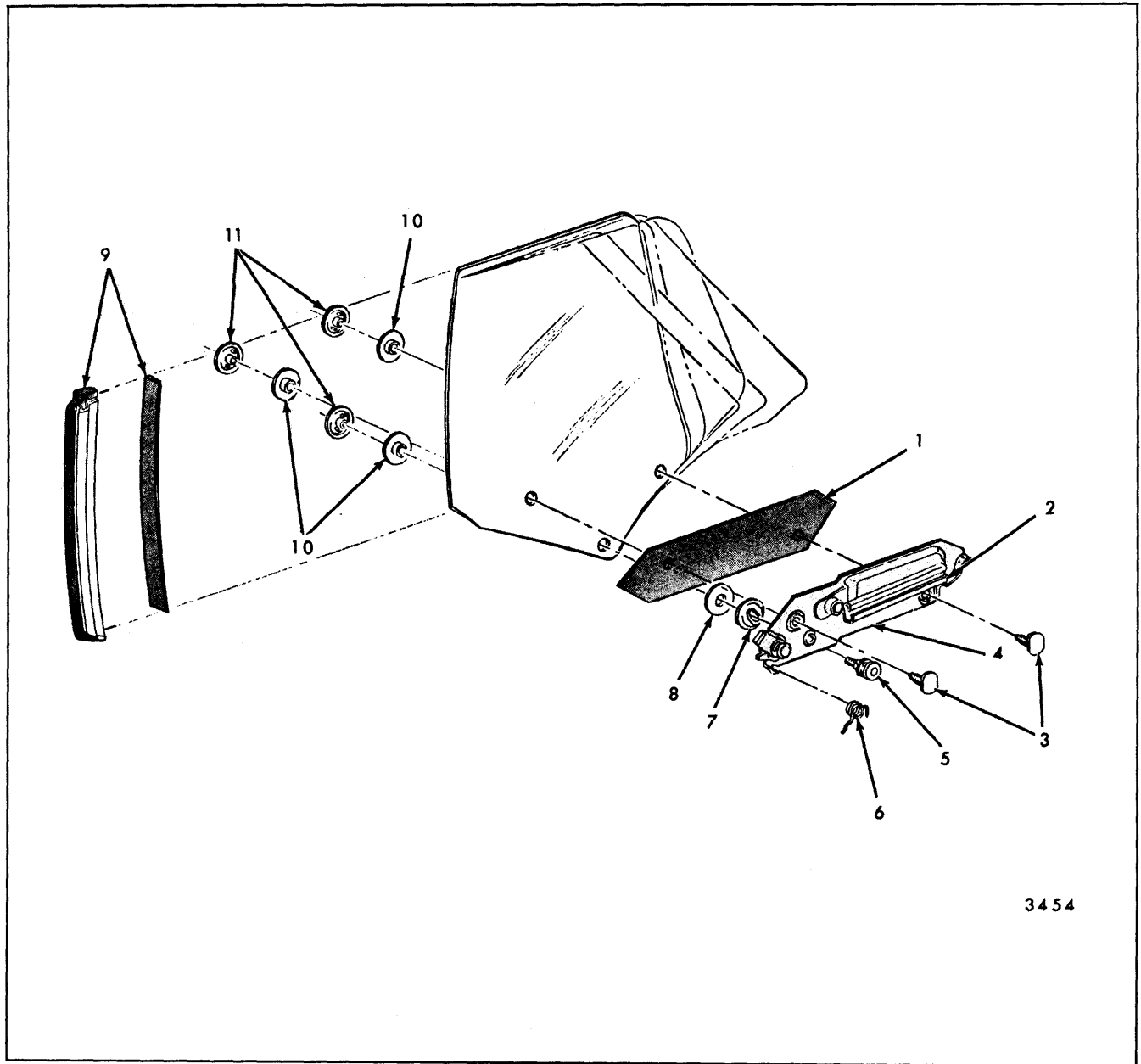
The rear quarter window guide is secured to the

quarter inner panel at top and bottom by supports. These supports provide in or out, fore or aft and up or down adjustment. One down-stop and two up-stops are provided for alignment operations.

Figure 7-20 illustrates "B & C" body style rear quarter window glass and hardware components that make up the window assembly.

**NOTE:** When reinstalling glass to sash channel bolts, or nylon roller nuts, torque to 72 inch pounds (6 foot pounds). The rear quarter window is constructed of solid tempered safety plate glass and cannot be drilled or ground.

Figure 7-21 illustrates usage of tool J-22055 for removal of quarter window glass roller nuts.



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Fig. 7-20—Rear Quarter Window Assembly - "B-C 37, 47, 57, 67" Styles

- |                              |                                |
|------------------------------|--------------------------------|
| 1. Lower Sash Channel Filler | 7. Guide Roller Washer Rubber  |
| 2. Lower Sash Channel Cam    | 8. Guide Roller Washer         |
| 3. Glass to Sash Bolt        | 9. Front Vertical Weatherstrip |
| 4. Lower Sash Channel        | 10. Glass to Sash Bushing      |
| 5. Guide Lower Roller        | 11. Glass to Sash Nut          |
| 6. Guide Roller Spring       |                                |

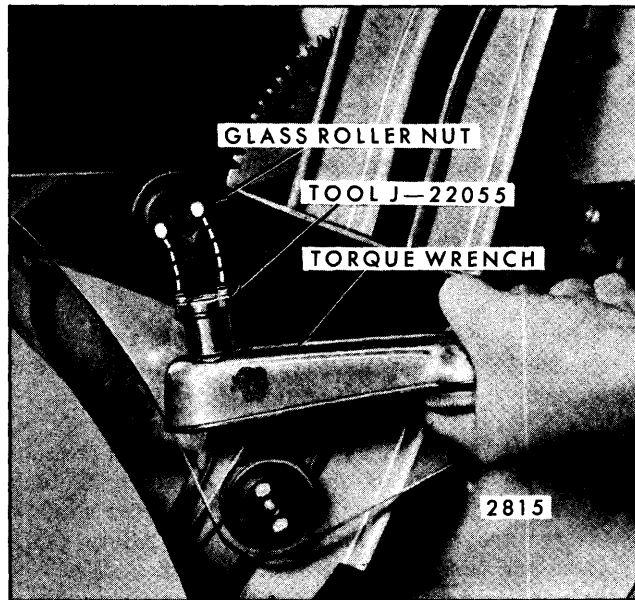


Fig. 7-21—Quarter Window Roller

## REAR QUARTER WINDOW ASSEMBLY— “E-87” Styles

### Description

“E-87” Style rear quarter hardware is similar for both Buick and Oldsmobile Styles, as shown in Figures 7-22 and 7-23. These illustrations identify the component parts of the rear quarter hardware (by style), their relationship and various attaching points.

### Removal and Installation

1. Remove necessary trim and sealing components. With window in a full-up position, remove rear guide upper and lower attaching bolts. Disengage guide from roller on window assembly and remove guide through access hole (see Fig. 7-24).
2. With quarter window partially lowered, remove

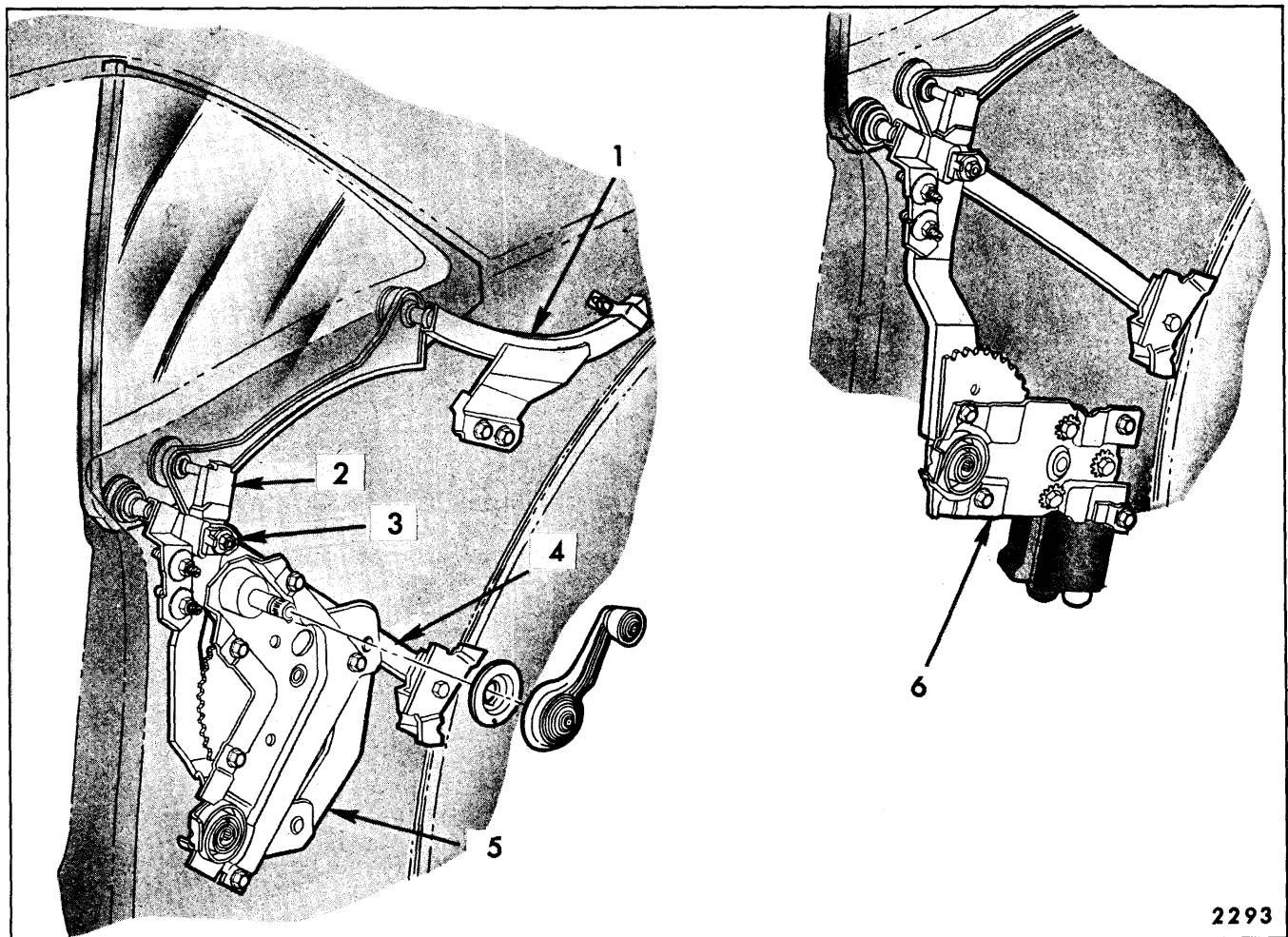


Fig. 7-22—Rear Quarter Hardware - Buick “E” Styles

1. Rear Guide
2. Regulator Lift Arm Cam

3. Up-Stop
4. Front Guide

5. Regulator (Manual)
6. Regulator (Electrical)

nuts securing regulator lift arm cam to regulator lift arm and remove cam.

**NOTE:** Lift arm must be pushed inboard slightly to remove cam.

3. While supporting glass, remove quarter window front guide attaching bolts and lower guide to bottom of rear quarter.
4. Remove quarter window inboard of roof panel.
5. To install, reverse removal procedure.

### Adjustments

Fore and aft alignment is determined by positioning front guide. Adjusting rear guide will provide parallel condition of quarter window to door for constant seal. In or out alignment is determined

by upper two adjusting studs and nuts at front guide. The adjustable up-stop will provide up or down alignment and partially fore and aft alignments by controlling window travel.

**NOTE:** Adjustments on regulator lift arm cam are provided to permit maximum travel but caution must be observed so as not to interfere with quarter trim assembly at belt.

Figure 7-25 illustrates "E-87" style rear quarter window glass and hardware components that make up the window assembly.

**NOTE:** When reinstalling glass to sash channel bolts, or nylon roller nuts, torque to 72 inch pounds (6 foot pounds). The rear quarter window is constructed of solid tempered safety plate glass and cannot be drilled or ground.

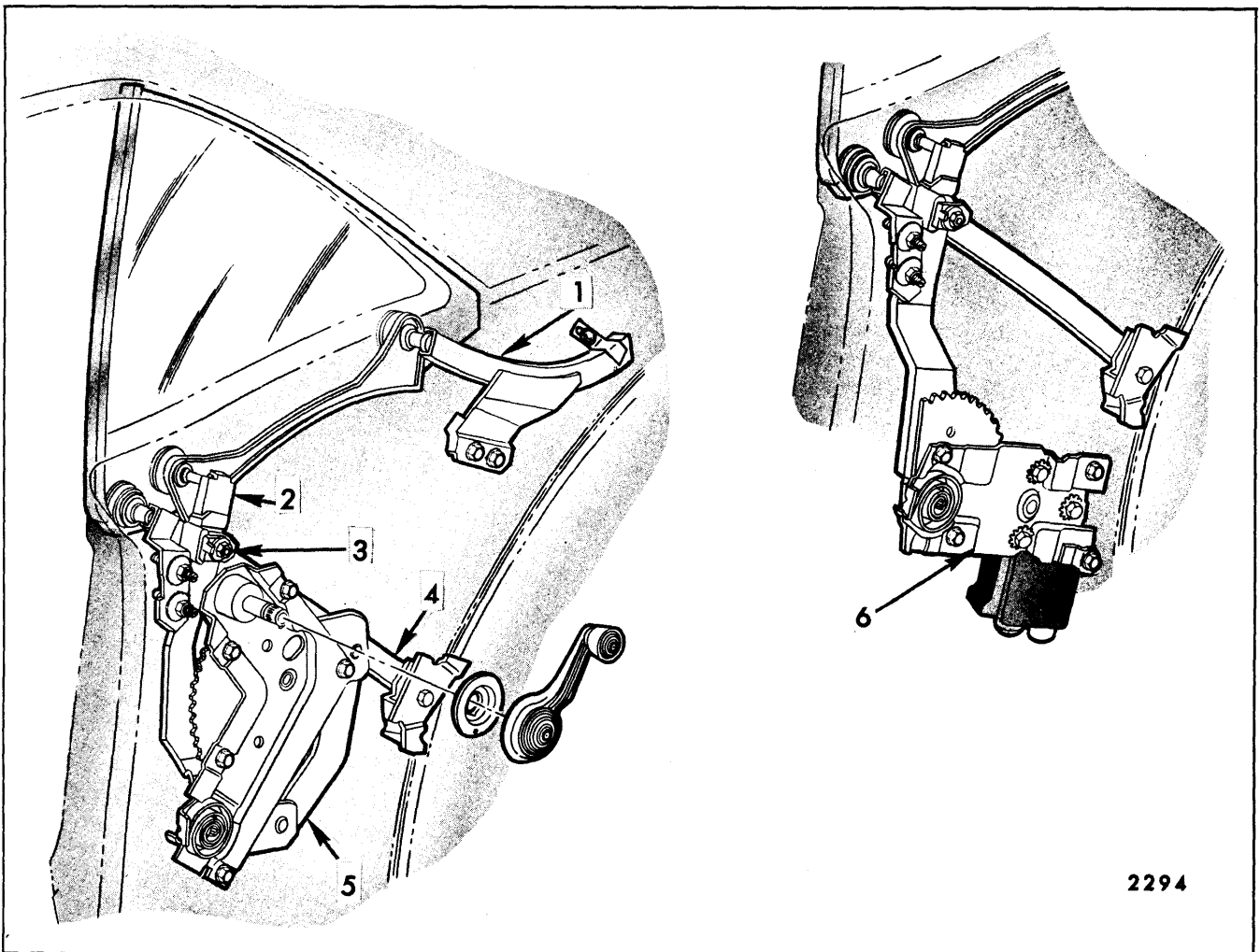


Fig. 7-23—Rear Quarter Hardware - Oldsmobile "E" Body

1. Rear Guide  
2. Regulator Lift Arm Cam

3. Up Stop  
4. Front Guide

5. Regulator (Manual)  
6. Regulator (Electrical)



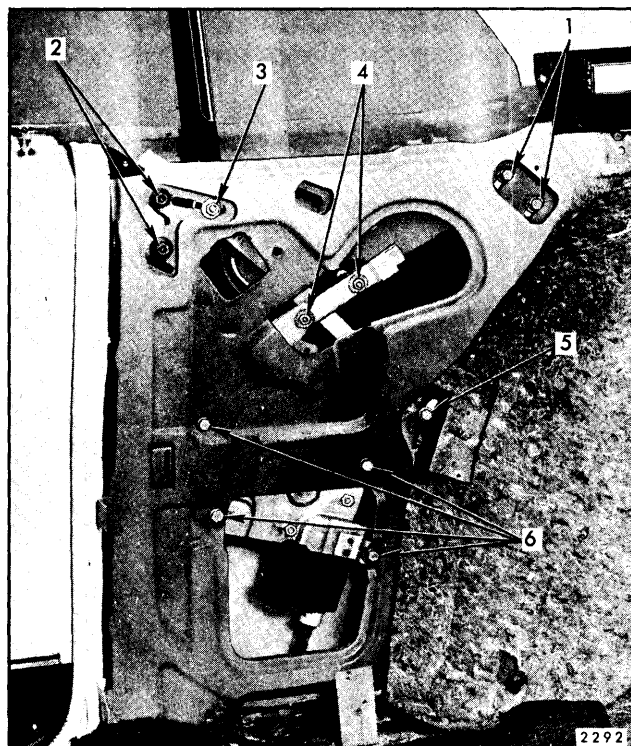


Fig. 7-24—Rear Quarter Hardware - "E" Body

- |                                               |                                                             |
|-----------------------------------------------|-------------------------------------------------------------|
| 1. Rear Guide Attaching Bolts                 | 5. Front Guide Lower Attaching Bolt                         |
| 2. Front Guide Upper Adjusting Studs and Nuts | 6. Regulator Attaching Bolts (4 for Electric, 5 for Manual) |
| 3. Up-Stop Attaching Bolt                     |                                                             |
| 4. Regulator Lift Arm Cam Attaching Nuts      |                                                             |

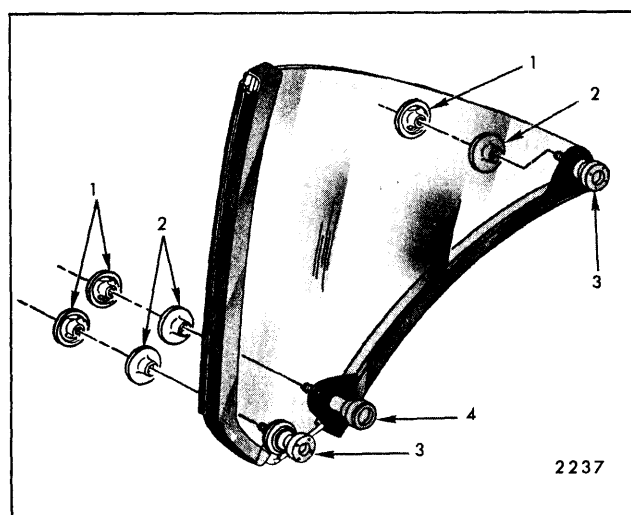


Fig. 7-25—Rear Quarter Window Assembly - "E-87" Style

- |           |                         |
|-----------|-------------------------|
| 1. Nut    | 3. Roller               |
| 2. Spacer | 4. Roller Bolt Assembly |

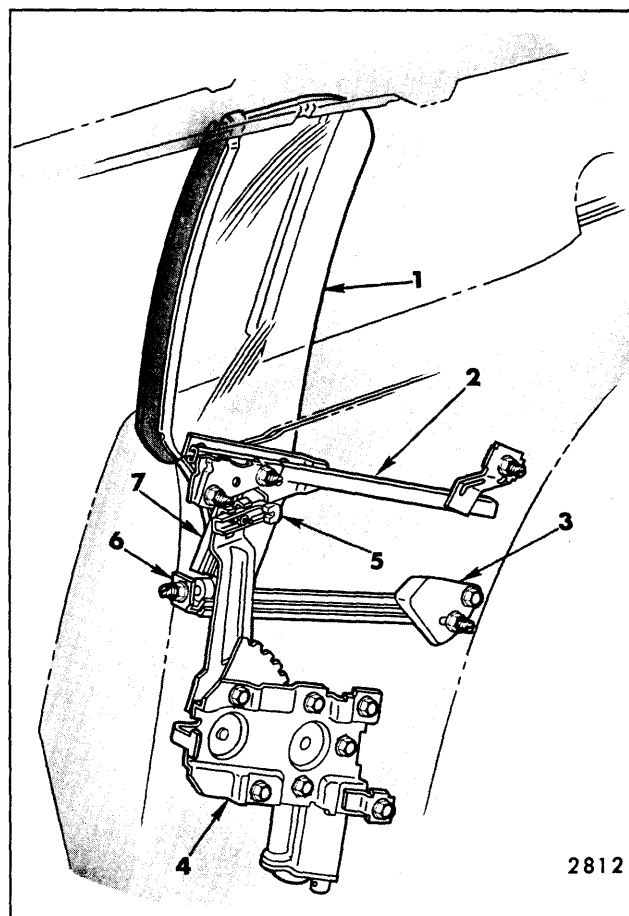


Fig. 7-26—Rear Quarter Hardware - Cadillac "E" Body

- |                            |                        |
|----------------------------|------------------------|
| 1. Glass                   | 5. Rearward Glass Stop |
| 2. Sash Channel Cam        | 6. Front Stop          |
| 3. Down Stop               | 7. Vertical Cam        |
| 4. Electric Motor Assembly |                        |

## REAR QUARTER WINDOW ASSEMBLY— "E-47" Styles

Figure 7-26 identifies the component parts of the "E-87" rear quarter hardware, their relationship and various attaching points.

### Removal and Installation

1. Remove necessary trim, inner panel water deflector, body lock pillar pressure relief valve grille and body lock pillar upper sealing strip.
2. Lower quarter window to gain access to nut securing regulator lift arm and stop to lower sash channel roller and remove nut (Item 4 in figure 7-27). Disconnect lift arm from sash channel cam.



Fig. 7-27—Rear Quarter Hardware - "E-47" Style

1. Inner Panel Cam Adjusting Studs and Nuts
  2. Glass Run Channel Rear Adjusting Stud and Nut
  3. Regulator Attaching Bolts
  4. Regulator Lift Arm to Cam Glass Roller Attaching Nut
3. Remove two nuts securing inner panel cam to inner panel (Item 1 in Figure 7-27).
  4. Remove adjusting studs from inner panel cam.
  5. Remove inner panel cam through lock pillar pressure relief valve opening.
  6. Pull quarter glass forward. Remove glass in-board of side roof rail. Figure 7-28 shows quarter glass after removal.
  7. To install, reverse removal procedure.

### Adjustments

Critical rear quarter window adjustments can be achieved at the lock pillar and DO NOT require seat and side wall trim removal (see Fig. 7-29).

1. Remove lock pillar grille.

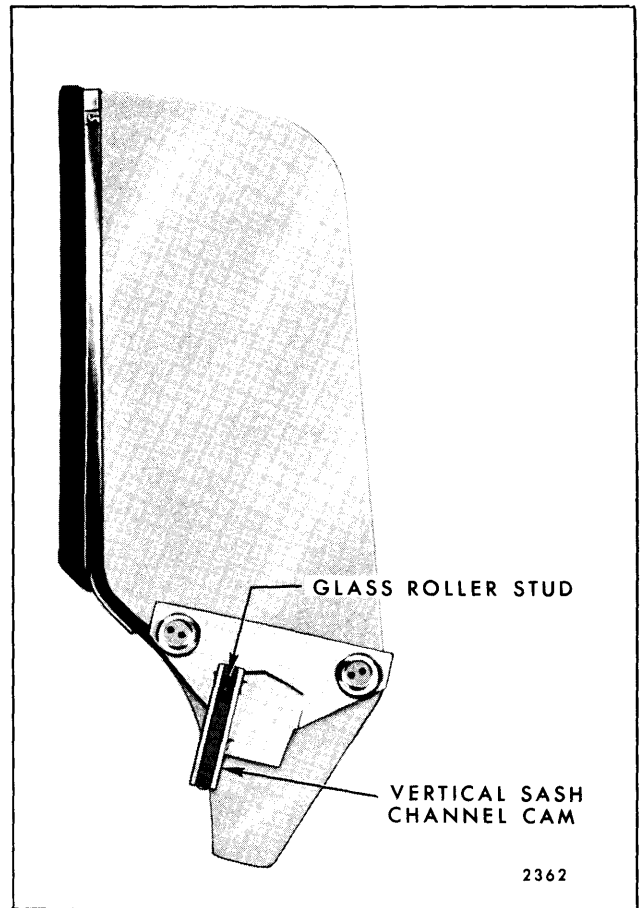


Fig. 7-28—Rear Quarter Window Assembly - "E-47" Styles

2. The forward glass stop can be adjusted fore and aft by loosening lock nut and turning stud in or out (see Fig. 7-29).

**NOTE:** Stop bolt also retains forward attachment of glass run channel.

3. A slight amount of in or out adjustment of glass is provided by an elongated slot at glass run channel forward attachment (see Fig. 7-29).
4. A secondary glass stop is located in the vertical sash channel cam (Fig. 7-26). This stop is retained by a single bolt and is accessible through lock pillar opening (see Fig. 7-29).

**NOTE:** Major glass adjustment is available at inner panel cam adjusting studs and nuts (see Fig. 7-27). In addition, the glass run channel rear attachment provides in or out and up or down adjustment. Also, a glass lower stop is attached to the rear plate of the glass run channel. This stop is adjustable fore and aft.

Figure 7-30 illustrates "E-47" style rear



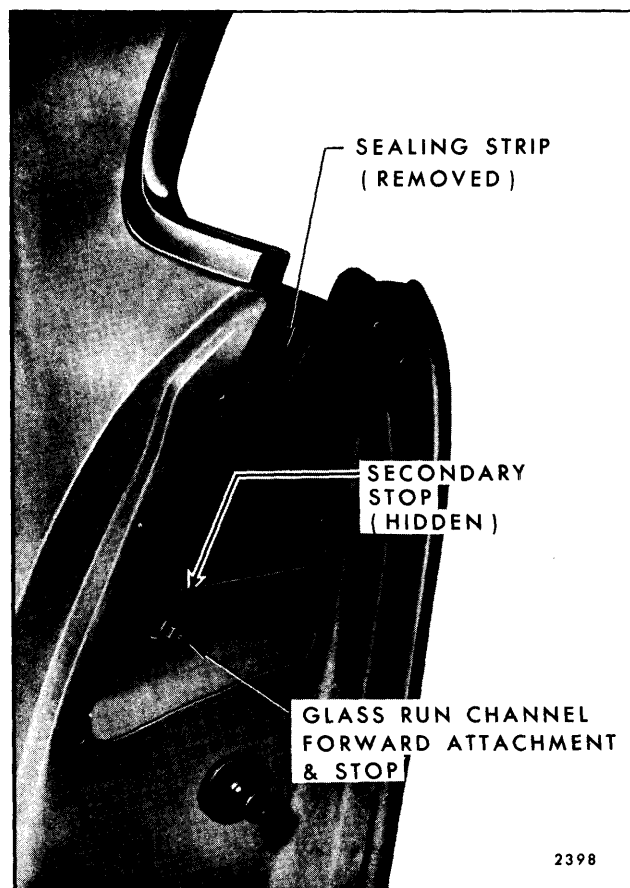


Fig. 7-29—Rear Quarter Window Hardware Attachments on Lock Pillar

quarter window glass and hardware components that make up the window assembly.

**NOTE:** When reinstalling glass to sash channel bolts, or nylon roller nuts, torque to 72 inch pounds (6 foot pounds). The rear quarter window is constructed of solid tempered safety plate glass and cannot be drilled or ground.

## REAR QUARTER WINDOW ASSEMBLY— “F-37 and 67” Styles

All rear quarter hardware on “F” body styles is similar as shown in Figure 7-31. This illustration identifies the component parts of the rear quarter hardware, their relationship and various attaching points.

### Removal and Installation

1. Remove rear quarter trim assembly and inner panel water deflector or loading hole covers.
2. On convertible styles, lower folding top.

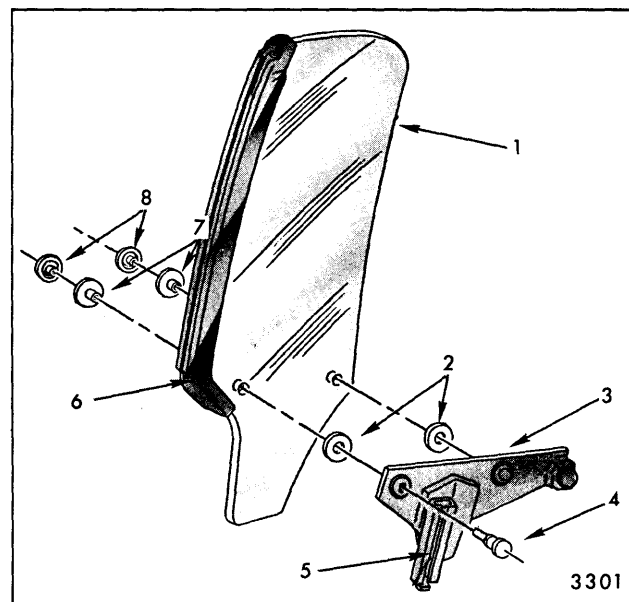


Fig. 7-30—Rear Quarter Window Assembly - “E-47” Styles

- |                       |                                 |
|-----------------------|---------------------------------|
| 1. Glass              | 5. Sash Channel Cam             |
| 2. Washer Rubber      | 6. Vertical Weatherstrip        |
| 3. Sash Channel       | 7. Glass to Sash Bushing Rubber |
| 4. Glass to Sash Bolt | 8. Glass to Sash Nut            |

3. Remove glass inner and outer strip assembly.
4. Remove window guide upper and lower attaching nuts (Fig. 7-32).
5. Support glass with one hand and position to enable disengagement of lift arm roller from sash channel cam.
6. Remove glass straight up and outboard of side roof rail on hardtop styles (Fig. 7-33).
7. To install, reverse removal procedure.

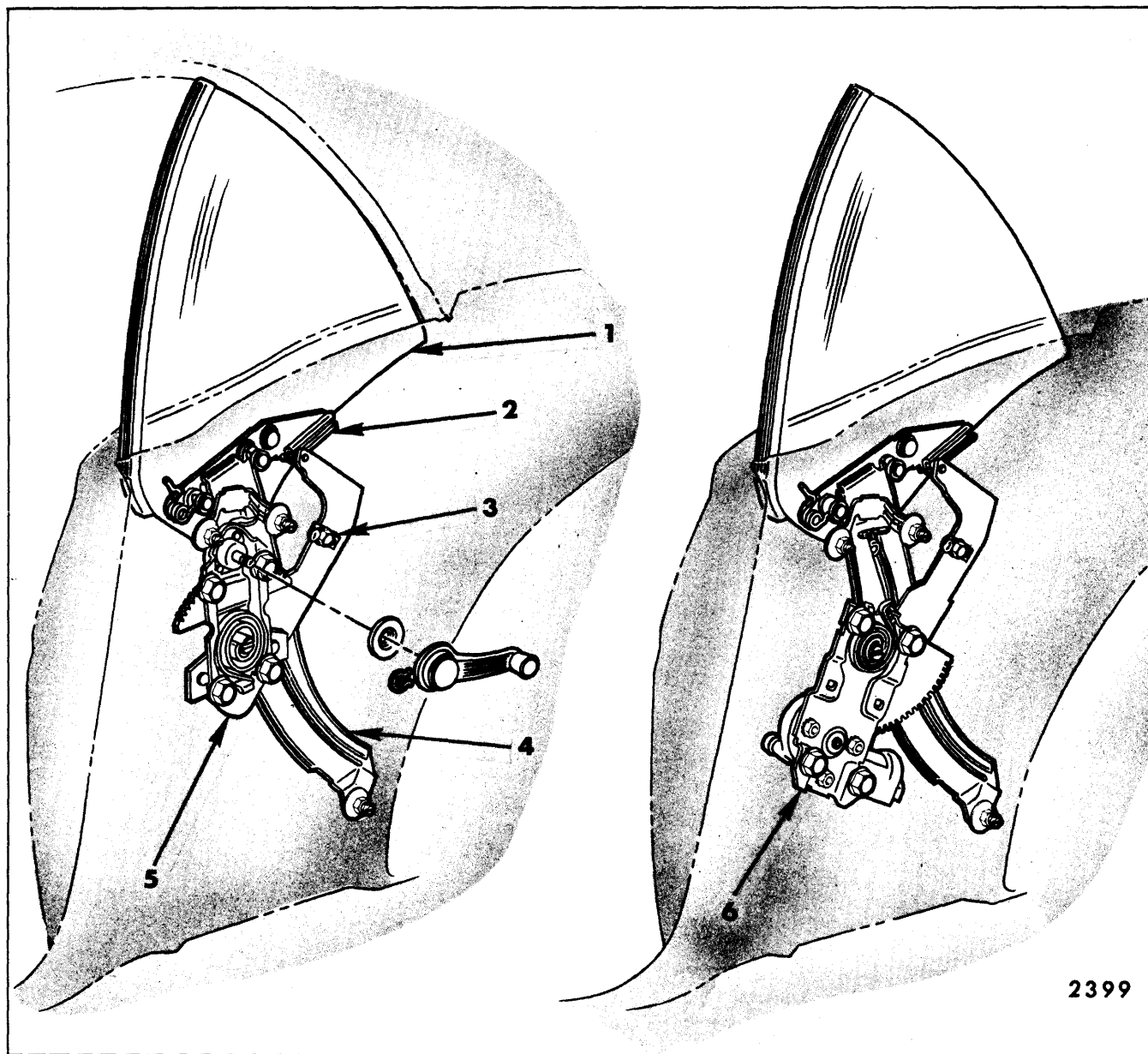
### Adjustments

In or out and fore or aft adjustment is provided by inner panel slots and adjusting studs of the window guide. Up-travel of the glass is controlled by a stop located on the regulator assembly (Fig. 7-32).

Figure 7-34 illustrates relationship of window assembly to guide. Figure 7-35 illustrates “F” body style rear quarter window glass and hardware components that makeup the window assembly.

## REAR QUARTER WINDOW ASSEMBLY— “Z-37 and 67” Styles

All rear quarter hardware on “Z” body styles is similar as shown in Figures 7-36 and 7-37. These



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Fig. 7-31—Rear Quarter Hardware - "F" Body Style

1. Rear Quarter Window
2. Sash Channel Cam
3. Window Up-Stop
4. Window Guide
5. Regulator (Manual)
6. Regulator (Electrical)

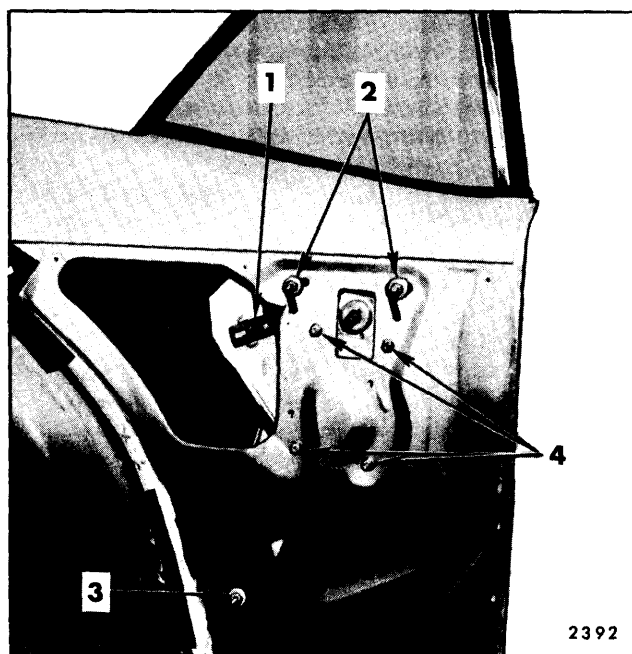


Fig. 7-32—Rear Quarter Window Hardware - "F" Styles

- |                   |                           |
|-------------------|---------------------------|
| 1. Window Up-Stop | 3. Window Guide           |
| 2. Window Guide   | Lower Adjusting           |
| Upper Adjusting   | Stud and Nut              |
| Stud and Nuts     | 4. Window Regulator Bolts |

### Removal and Installation

1. With window in full-up position, remove rear guide upper and lower attaching bolts (Fig. 7-38). Disengage guide from roller on window assembly and remove guide.
2. Remove regulator as described in a following procedure (see index).
3. Slide rear quarter window upward and forward and pivot top rear corner of glass to a point outboard of side roof rail. Continue movement of glass upward and forward to disengage front glass rollers from front guide assembly and remove rear quarter window from body.
4. To install, reverse removal procedure.

illustrations identify (by style), the component parts of the rear quarter hardware, their relationship and various attaching points.

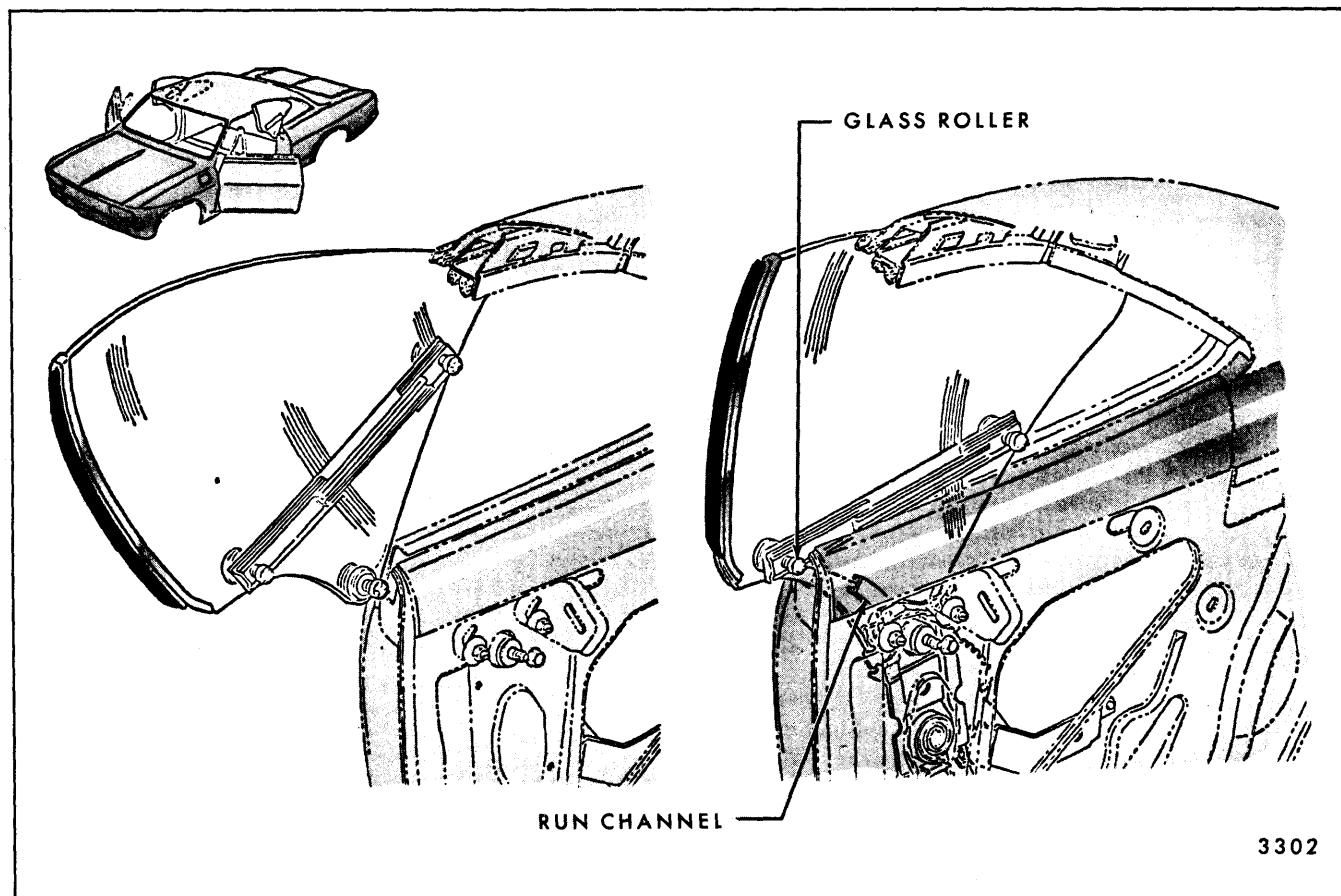


Fig. 7-33—Rear Quarter Window Removal - "Z-37" Style

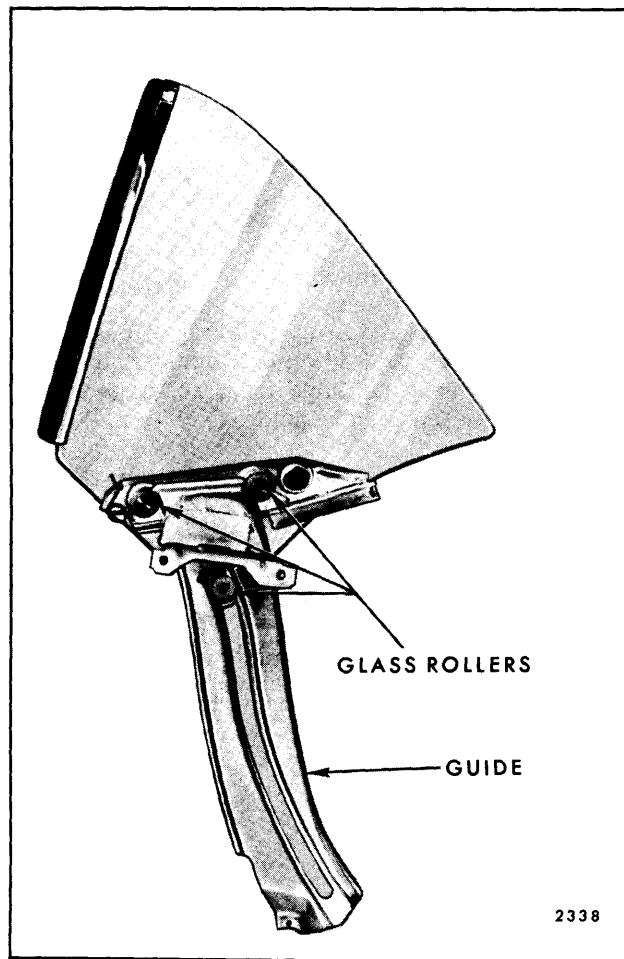


Fig. 7-34—Rear Quarter Window and Guide Assembly - "F" Styles

### Adjustments

1. The quarter window up-stop can be utilized for adjustments of glass to side roof rail weatherstrip (see Section "A-A" in Fig. 7-39).
2. The rear guide can be adjusted to gain proper fore and aft contact of rear quarter window vertical weatherstrip to rear edge of front door window (see section "C-C" and "F-F" in Fig. 7-39).

Figures 7-40 and 7-41 illustrate "Z" body (by style) rear quarter window glass and hardware components that make-up the window assembly.

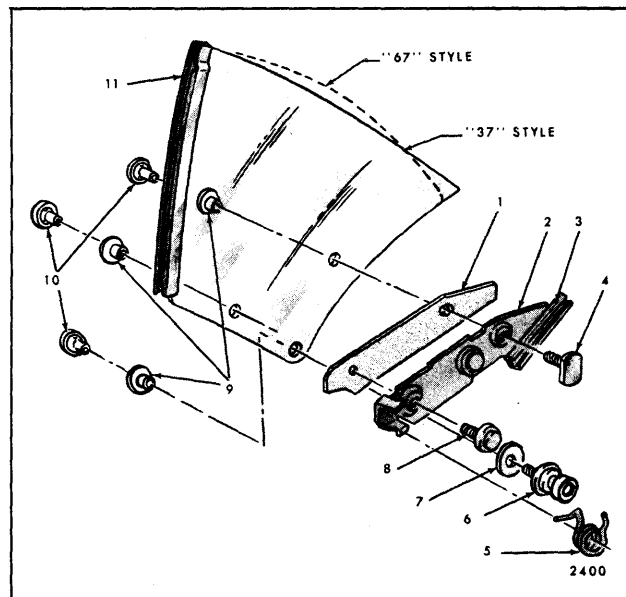


Fig. 7-35—Rear Quarter Window Assembly - "F" Style

1. Lower Sash Channel Filler
2. Lower Sash Channel
3. Lower Sash Channel Cam
4. Glass to Sash Channel Bolt
5. Guide Roller Spring
6. Guide Lower Roller
7. Guide Roller Washer (Rubber)
8. Lower Sash Channel Front Bolt
9. Glass to Sash Channel Bushing (Rubber)
10. Glass to Sash Channel Nut
11. Vertical Weatherstrip

### REAR QUARTER WINDOW REGULATOR (Manual or Electric)—"A-27 and 77"—"B-11" and "X-27" Styles

#### Removal and Installation

1. Remove necessary trim and water deflector or access hole cover.
2. On all electric styles, disconnect wire harness at motor.
3. While supporting window, disengage clip retainer securing regulator lift arm to glass and prop window in a full up position.

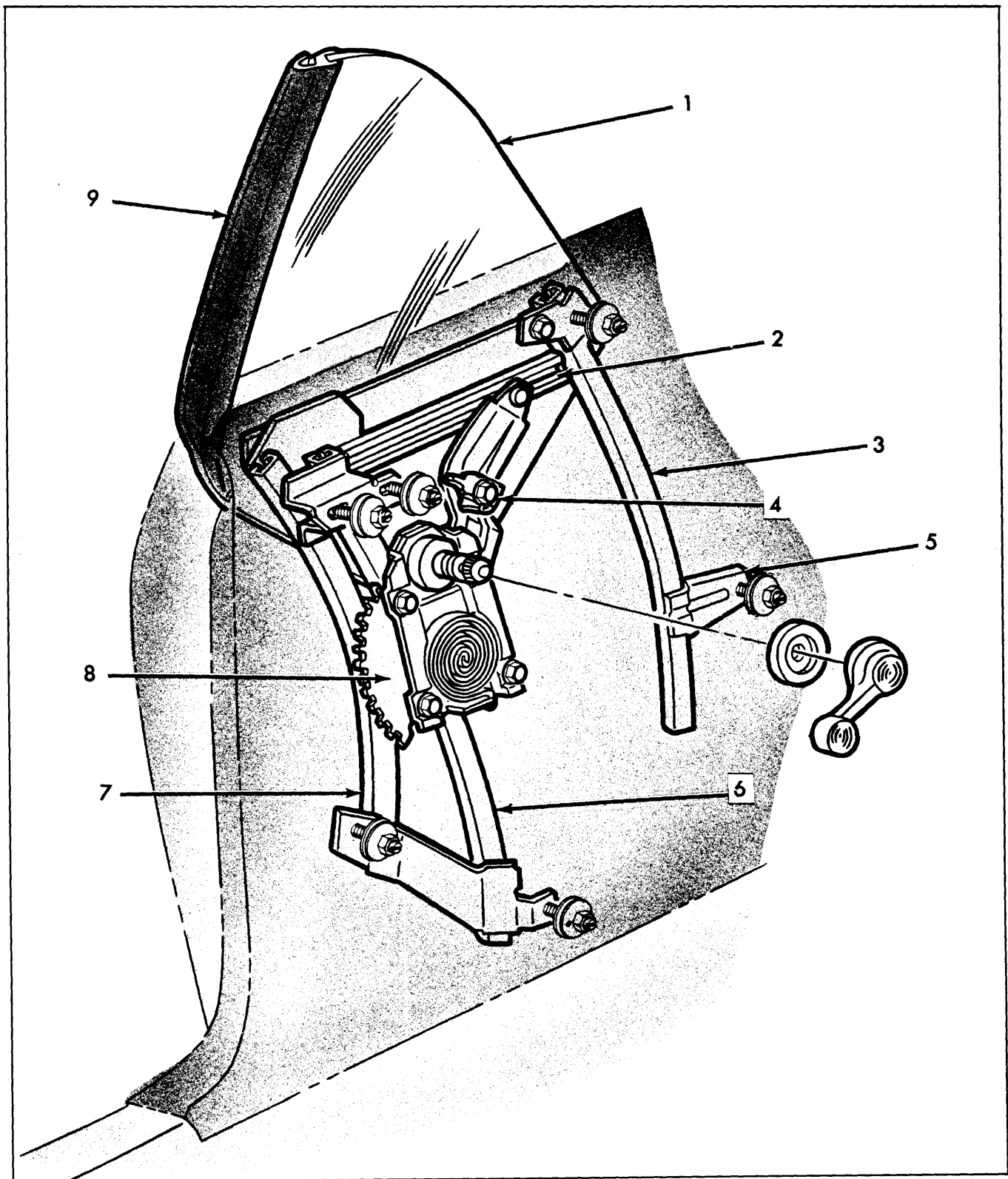
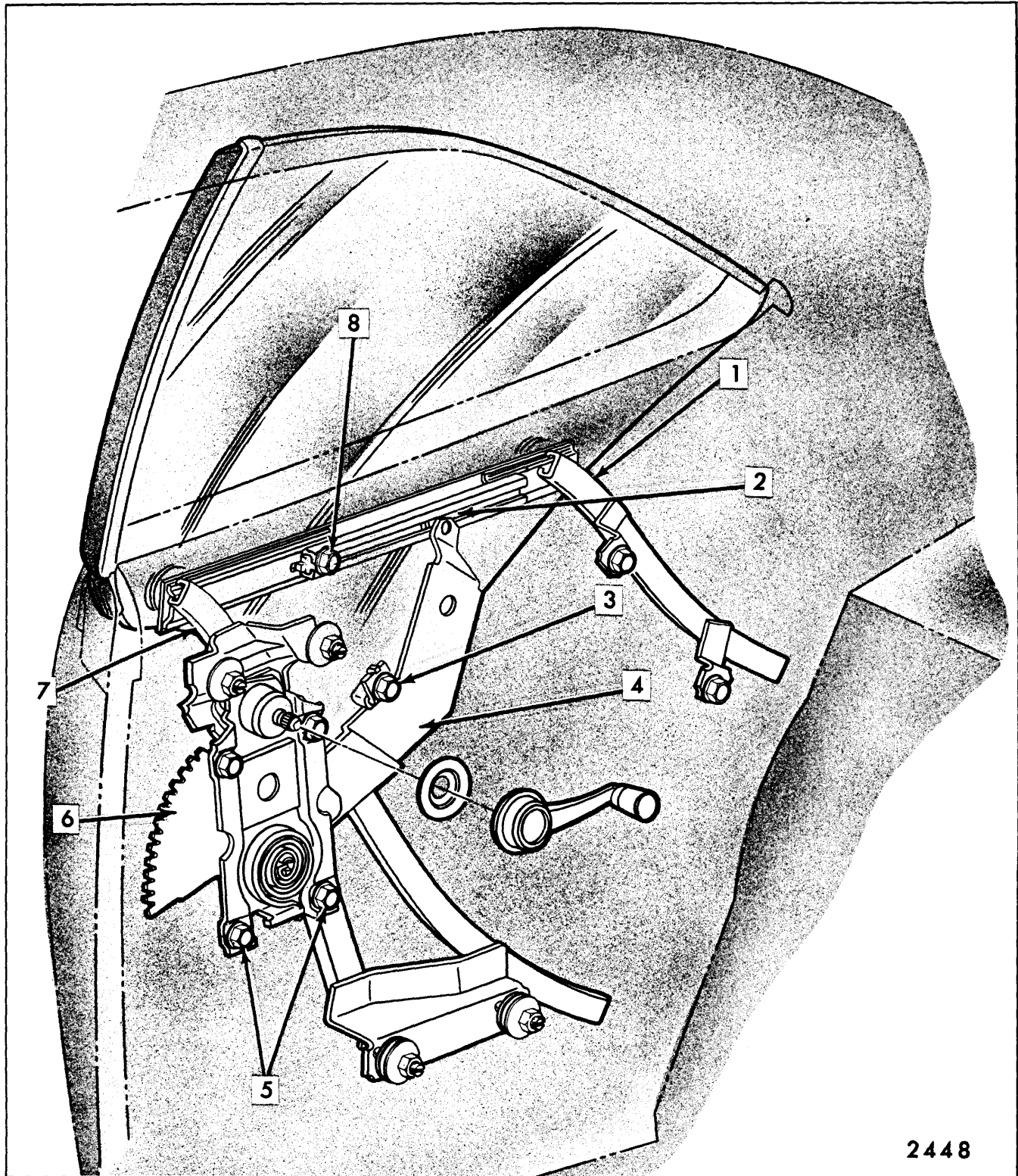


Fig. 7-36—Rear Quarter Window Hardware - "Z-67" Styles

- 1. Window Glass
- 2. Sash Channel Cam
- 3. Rear Guide

- 4. Window Upper Stop
- 5. Window Rear Stop
- 6. Run Channel Rear

- 7. Run Channel Front
- 8. Regulator
- 9. Vertical Weatherstrip



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Fig. 7-37—Rear Quarter Hardware - "Z-37" Style

- |                           |                             |
|---------------------------|-----------------------------|
| 1. Rear Guide             | 5. Regulator Attaching Bolt |
| 2. Lower Sash Channel Cam | 6. Regulator                |
| 3. Window Up-Stop         | 7. Front Guide              |
| 4. Lift Arm               | 8. Window Down Stop         |

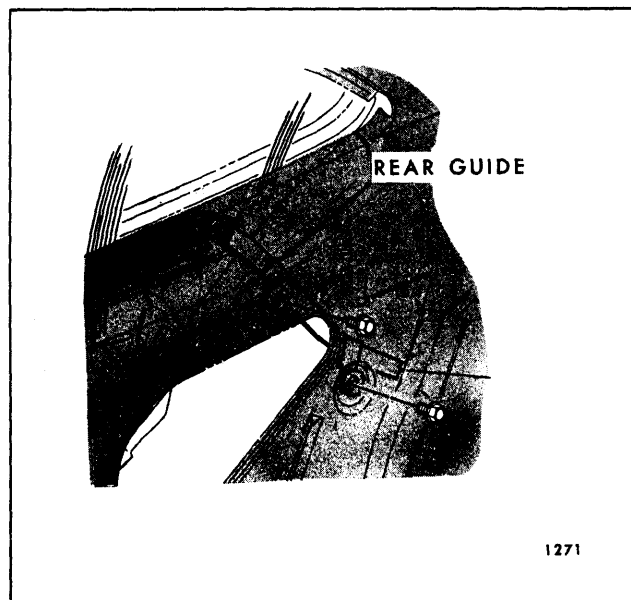


Fig. 7-38—Rear Quarter Window Rear Guide Assembly - "Z-37" Styles

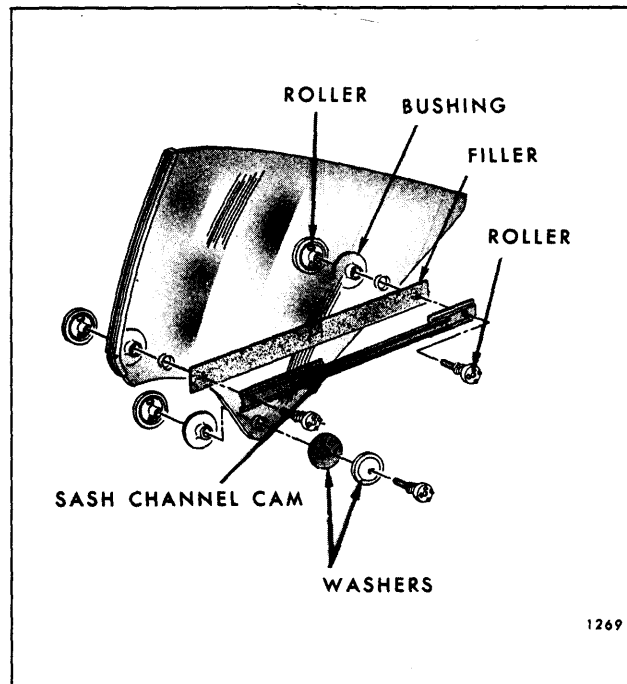


Fig. 7-40—Rear Quarter Window Assembly - "Z-37" Styles

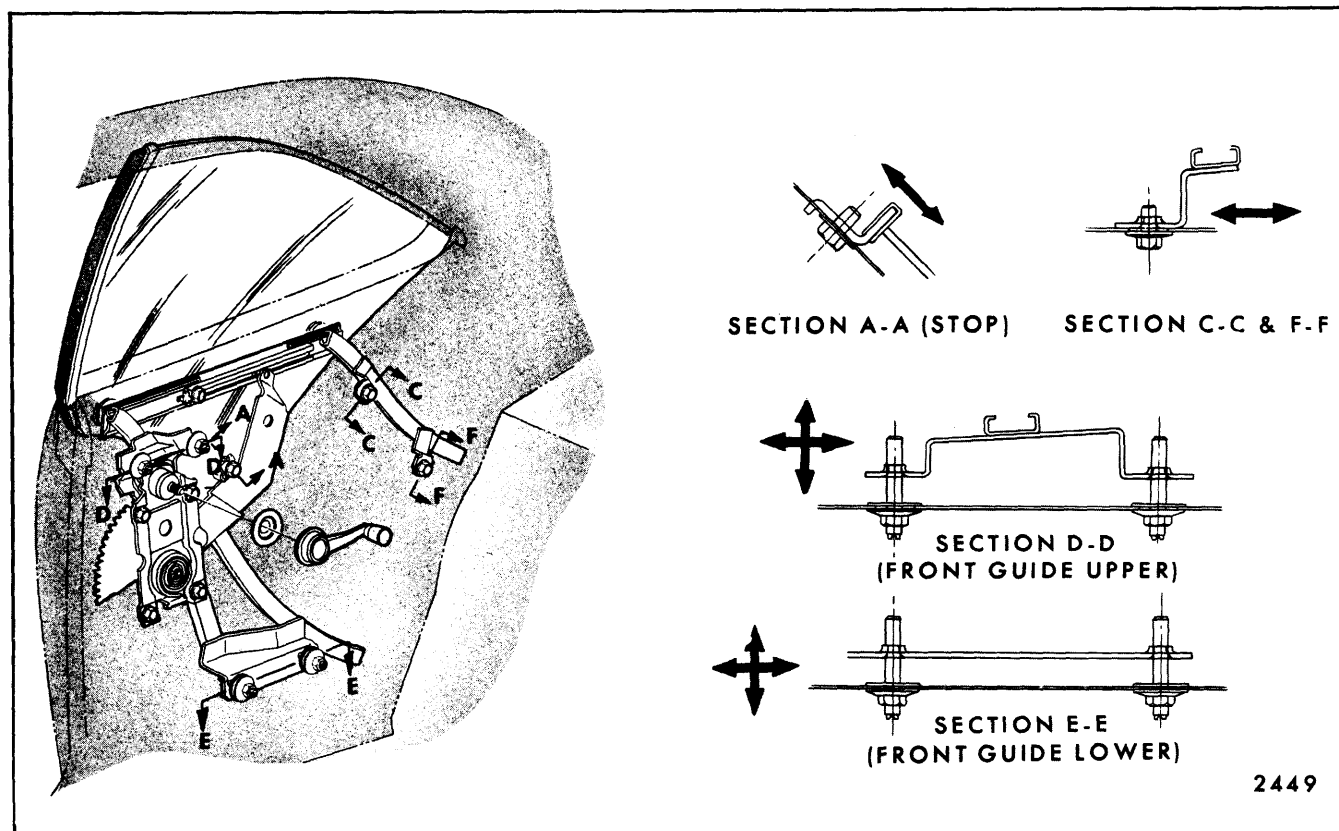


Fig. 7-39—Rear Quarter Window Adjustments - "Z-37" (Arrows Indicate Adjustment Direction Available)



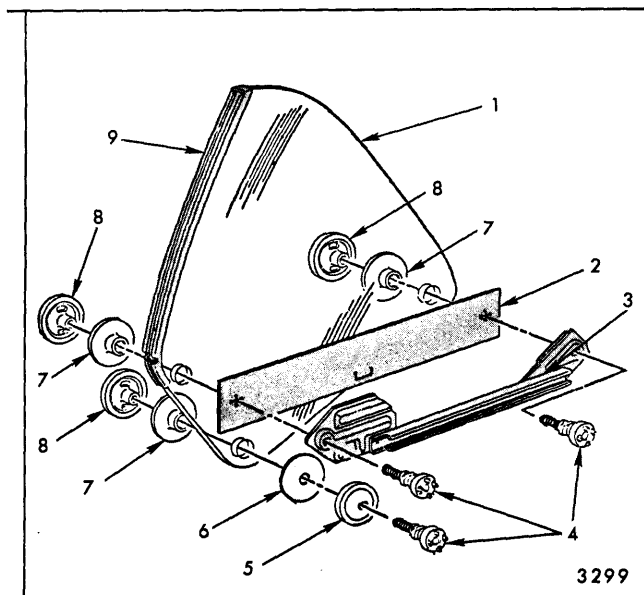


Fig. 7-41—Rear Quarter Window Assembly - "Z-67" Style

- |                     |                          |
|---------------------|--------------------------|
| 1. Glass            | 6. Washer Rubber         |
| 2. Filler           | 7. Bushing Rubber        |
| 3. Sash Channel Cam | 8. Glass to Sash Nut     |
| 4. Roller           | 9. Vertical Weatherstrip |
| 5. Washer Metal     |                          |

4. Remove regulator attaching bolts. Figure 7-42 is typical of closed style regulator attachment.
5. Remove regulator through large access hole.
6. To install, reverse removal procedure.

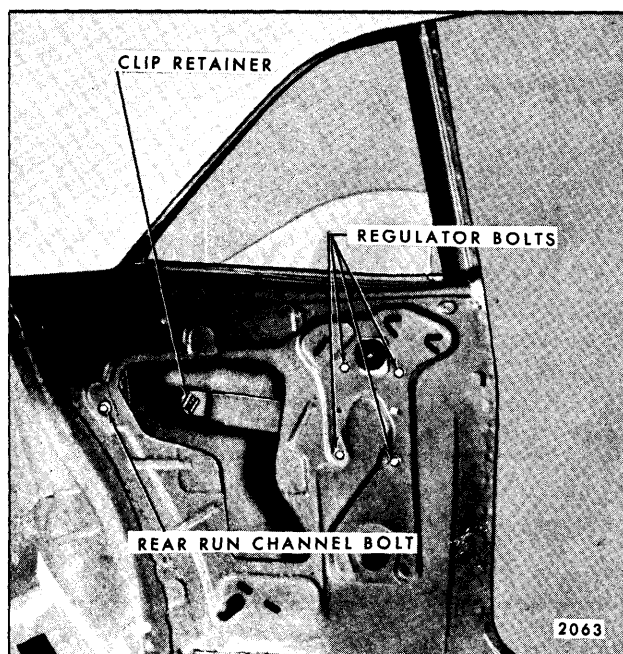


Fig. 7-42—Rear Quarter Hardware Attachment - "A, B, &amp; X" Closed Styles

## REAR QUARTER WINDOW REGULATOR ASSEMBLY (Manual or Electric)— "A-E-F-G & Z" Hardtop and Convertible Styles

### Removal and Installation

1. Remove rear quarter trim assembly and inner panel access hole cover (or water deflector). On electric styles, disconnect feed wire at motor.
2. On "E-87" styles, remove rear quarter window. On "A & Z-37" styles, prop window in a full-up position (see Fig. 7-43).

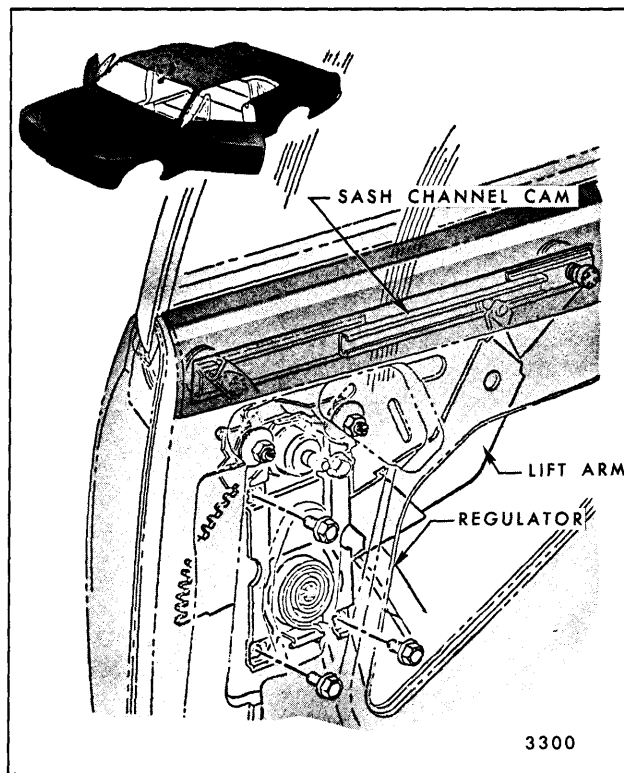


Fig. 7-43—Rear Quarter Window Regulator Removal - "Z-37" Style

3. On "Z-37" styles, remove rear quarter window rear guide assembly.
4. On "E-47" styles, disconnect regulator lift arm from quarter window as described in "Rear Quarter Window Assembly" (see index).
5. Remove regulator to quarter inner panel attaching bolts, disengage lift arm roller from sash channel cam and remove regulator.

**NOTE:** If necessary, loosen upper attaching points of front guide to gain additional clearance.

6. To install, reverse removal procedure.



## REAR QUARTER WINDOW REGULATOR (Manual or Electric)—“B & C” Hardtop and Convertible Styles

### Removal and Installation

1. Remove necessary trim, water deflector or access hole cover.
2. On electric styles, disconnect wire at motor.
3. Remove quarter window rear up-stop.

**NOTE:** On electric styles, it may be necessary to remove quarter window down-stop.

4. Remove regulator attaching bolts and slide lift arm rearward to disengage lift arm roller from window lower sash channel cam. Remove regulator through access hole (see Figs. 7-44 and 7-45).

5. To install, reverse removal procedure.

## REAR QUARTER WINDOW MOTOR— “A-27-37-77-87” Styles “G-57” and “F-37-67” Styles

### Removal and Installation

1. Remove rear seat cushion, seat back, rear quarter trim, and inner panel water deflector

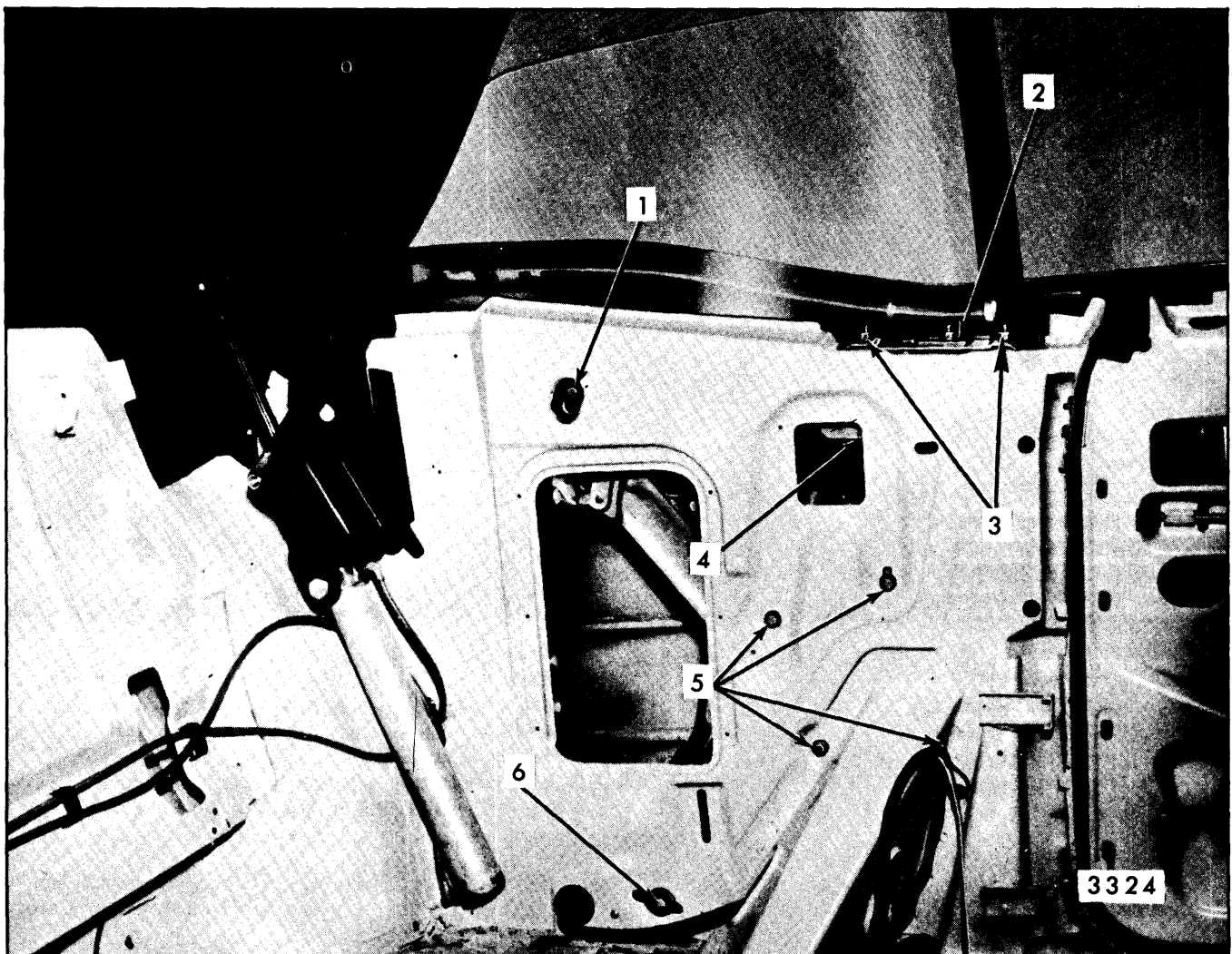


Fig. 7-44—Rear Quarter Hardware - “B-67” Styles

1. Rear Up Travel Stop
2. Front Up Travel Stop
3. Window Guide to Upper Support  
Upper Attaching Bolts

4. Window Guide to Upper Support  
Lower Attaching Bolts (Hidden)
5. Window Regulator Attaching Bolts
6. Window Guide Lower Support to  
Inner Panel Attaching Bolt

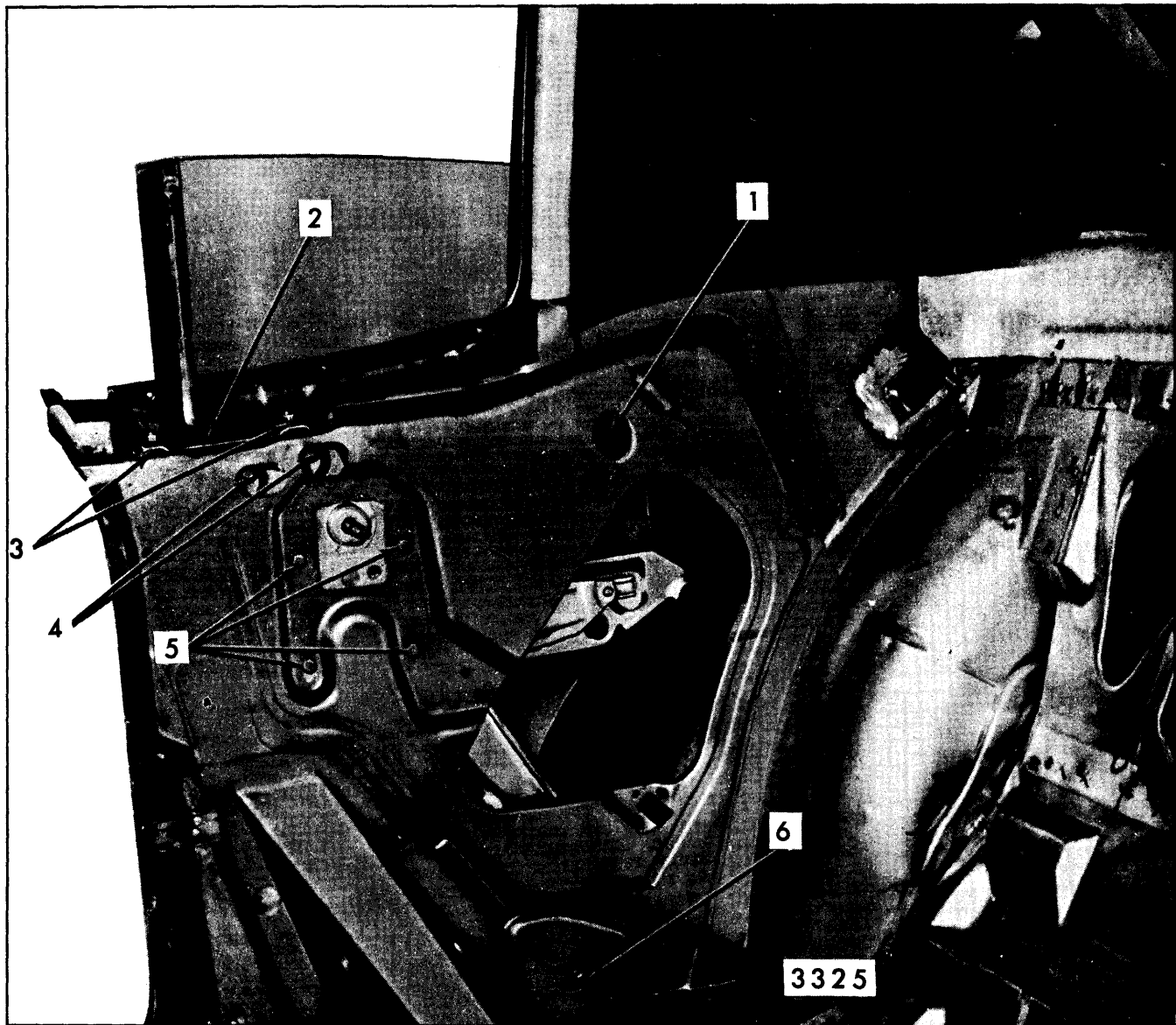


Fig. 7-45—Rear Quarter Hardware - "B-37, 47, 67" Styles

1. Rear Up Travel Stop
2. Front Up Travel Stop
3. Window Guide to Upper Support  
Upper Attaching Bolts

4. Window Guide to Upper Support  
Lower Attaching Bolts
5. Window Regulator Attaching Bolts
6. Window Guide Lower Support to  
Inner Panel Attaching Bolt

or loading hole cover. Window should be in a full up position.

2. Remove wiring harness clips.

**NOTE:** Wiring harness and switch assembly should be placed in an out of the way area to prevent damage.

3. Referring to Fig. 7-46 for "A" and "G" body

styles, Fig. 7-47 for "F" styles, make a template for locating window motor to regulator attaching bolts.

4. Align regulator bolt locations on template with regulator lower attaching bolts on quarter panel. Secure template in place with a piece of tape.

**CAUTION:** Do Not loosen regulator attaching bolts.

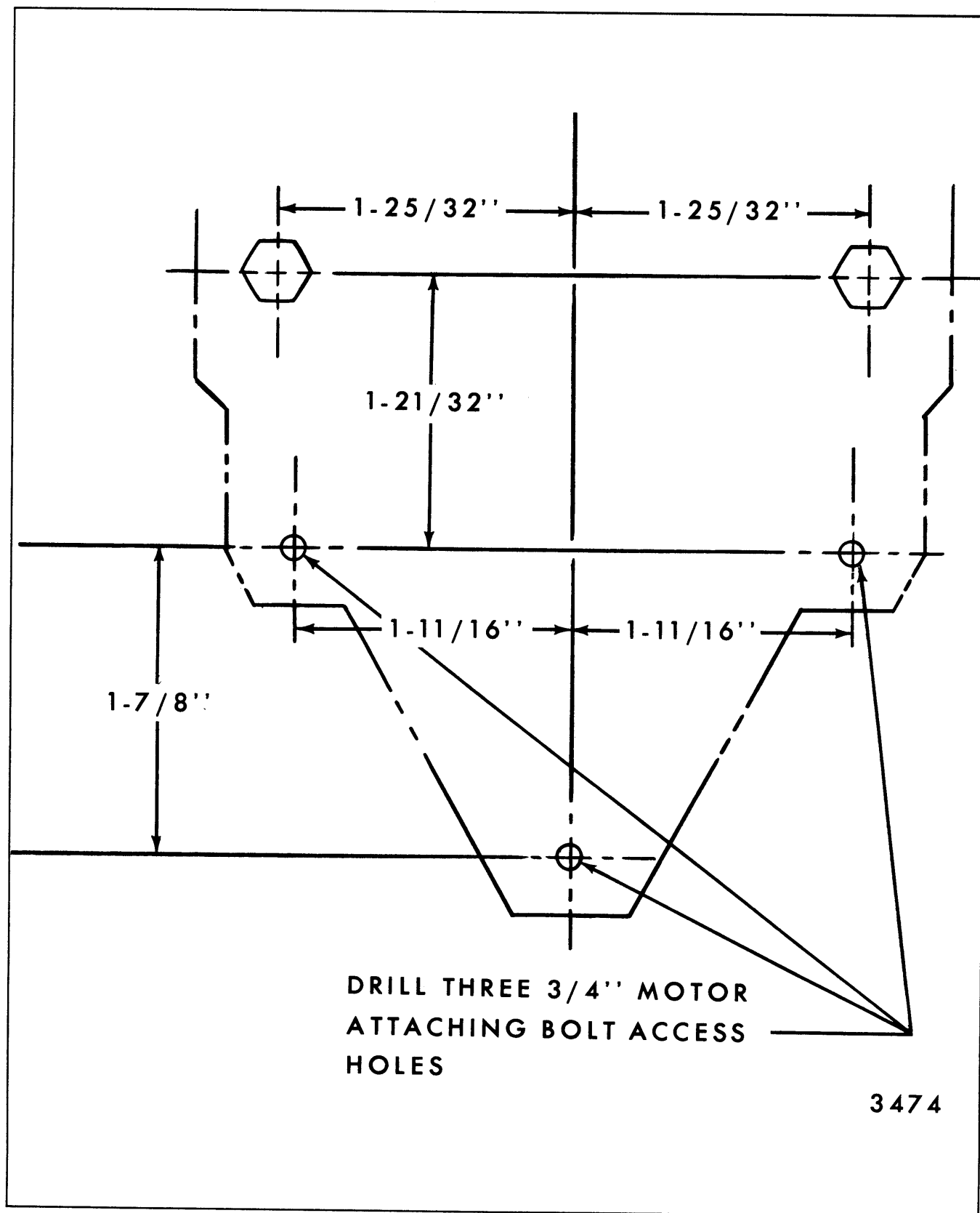


Fig. 7-46—Window Regulator Lower Attaching Bolts (Reference Points for Locating Window Motor to Regulator Attaching Bolts) - "A-27, 37, 77 & 87" and "G-57" Styles

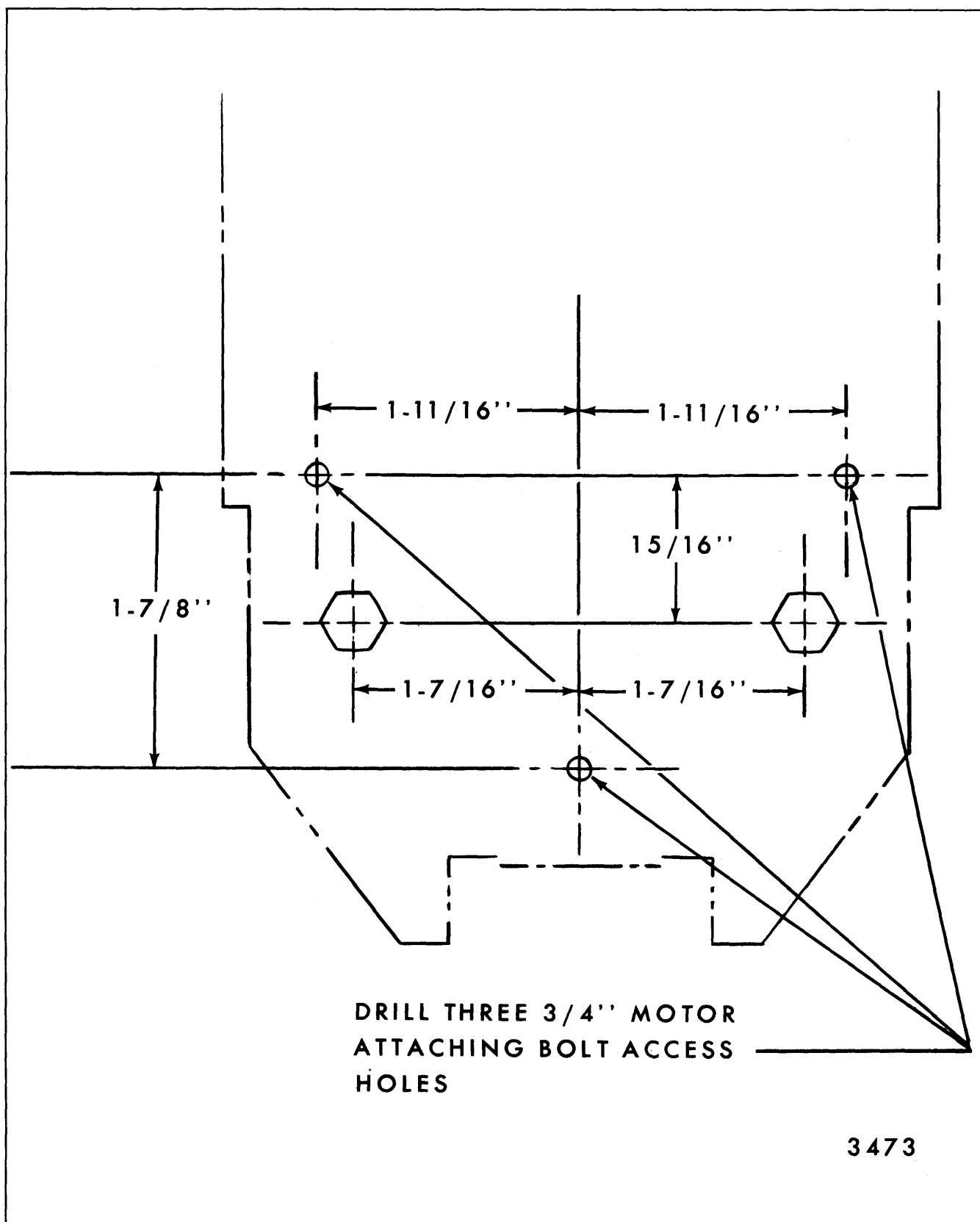


Fig. 7-47—Window Regulator Lower Attaching Bolts (Reference Points for Locating Window Motor to Regulator Attaching Bolts) - "F-37, 67" Styles

5. Using a center punch, dimple the quarter inner panel at the center of the 3/4" holes to be drilled as indicated on the template.
6. Using a 3/4" hole saw, drill three motor to regulator attaching bolt access holes as indicated.
7. Remove motor attaching bolts and remove motor through access hole.

**NOTE:** Although window regulator lift arm is under tension of counterbalance spring, weight of window assembly prevents lift arm from moving.

8. After replacing motor and prior to trim installation, apply waterproof tape to seal any motor bolt access hole that is outside of the sealing area of the water deflector.

**NOTE:** The procedure for removing the electric motor from the regulator as a bench operation is described in the "Door" section of this manual - see index. On styles indicated, removal of motor can be accomplished without removal of regulator, as outlined in the preceding procedure:

### REAR QUARTER WINDOW GUIDE ASSEMBLY—"A-G-B & C" Hardtop and Convertible Styles

#### Removal and Installation

1. Remove rear quarter window.
2. Remove rear quarter window regulator assembly.
3. Remove guide lower support to guide attaching bolt and guide upper support to inner panel (at belt line) attaching bolts (see Figs. 7-44 and 7-45).
4. Remove guide (with upper support attached) through top-between rear quarter inner and outer panels.
5. To install, reverse removal procedure. Adjust guide as required for proper window operation.

### REAR QUARTER WINDOW GUIDE ASSEMBLY—All "F" Styles

#### Removal and Installation

1. Remove rear quarter window regulator assembly.
2. Remove rear quarter window assembly.

3. Remove guide attaching nuts (3) and remove guide through large access hole (see Fig. 7-32).

4. To install, reverse removal procedure.

### REAR QUARTER WINDOW FRONT GUIDE ASSEMBLY—"Z-37 & 67" and "E-87" Styles

#### Removal and Installation

1. Remove rear quarter window assembly.
2. On "Z" styles, remove front guide upper and lower adjusting stud nuts (see Figs. 7-48 and 7-49, which are typical of "Z-37, 67" and "E-87" styles).

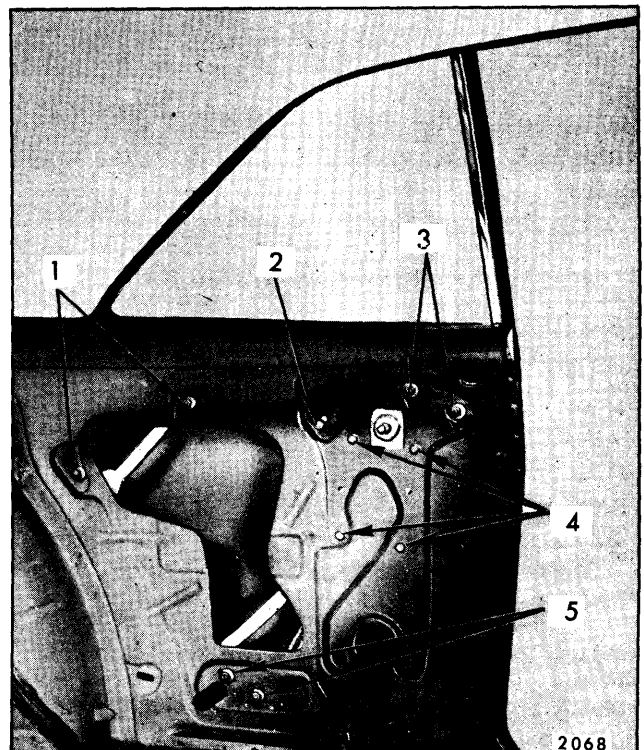


Fig. 7-48—Rear Quarter Hardware - "Z" Styles

1. Rear Guide Adjusting Studs and Nuts
2. Up-Stop Bolts
3. Front Guide Upper Adjusting Studs and Nuts
4. Regulator Bolts
5. Front Guide Lower Adjusting Studs and Nuts

**NOTE:** As explained under "Rear Quarter Window Assembly" - Removal and Installation for "E" bodies, the front guide attachments must be removed and guide lowered prior to removal of window assembly.

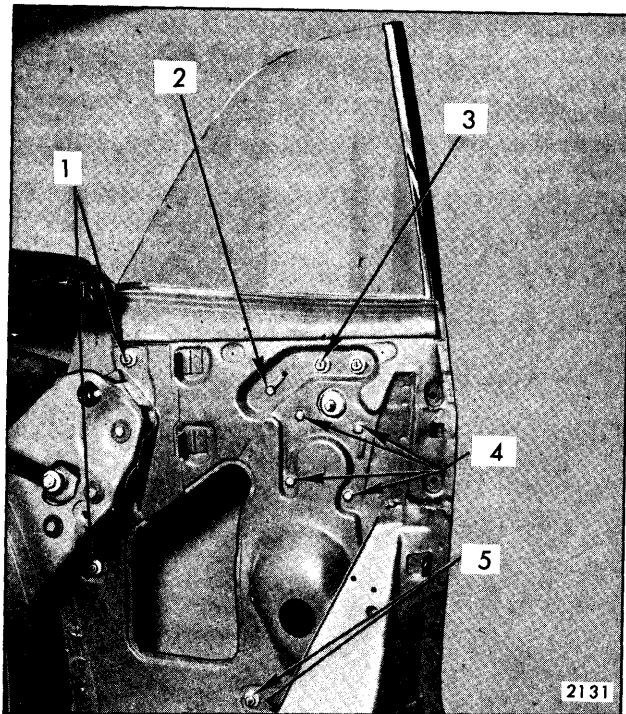


Fig. 7-49—Rear Quarter Hardware - "Z-67" Styles

1. Rear Guide Adjusting Studs and Nuts
  2. Up-Stop Bolt
  3. Front Guide Upper Adjusting Studs and Nuts
  4. Regulator Bolts
  5. Front Guide Lower Adjusting Studs and Nuts
3. Disengage guide adjusting studs from slots in quarter inner panel and remove guide through access hole on all except "E" styles. On "E" bodies, remove front guide between rear quarter inner and outer panels at belt.
  4. To install, reverse removal procedure. Adjust guide for proper window operation as specified under "Rear Quarter Window Adjustments".

**NOTE:** The rear channel of the front guide of most styles is equipped with an adjustable lower stop to control height of quarter window in the lowered position (see Fig. 7-50).

### REAR QUARTER WINDOW REAR GUIDE ASSEMBLY—"Z-37 & 67" and "E-87" Styles

#### Removal and Installation

1. Remove rear quarter trim assembly and inner panel water deflector (or access hole cover).

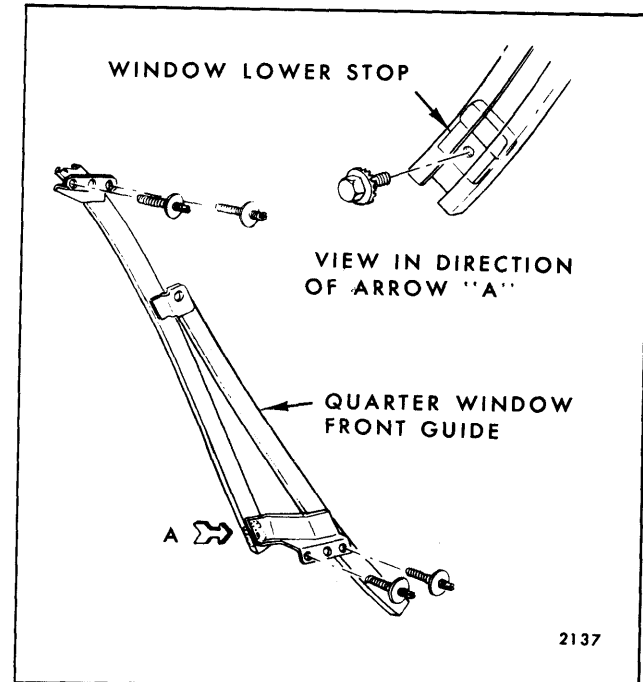


Fig. 7-50—Rear Quarter Window Lower Stop Adjustment - Styles so Equipped

2. As shown in Figures 7-48 and 7-49 and all phantom views, rear guides are retained by two bolts or adjusting studs. By providing a minimum of support for rear quarter window, these bolts or stud nuts can be removed and the guide disengaged from glass roller.
3. To install, reverse removal procedure. Adjust guide for proper window operation as specified under "Rear Quarter Window Adjustments".

### REAR QUARTER WINDOW RUN CHANNEL—"E-47" Styles

#### Removal and Installation

1. Remove rear quarter trim assembly and inner panel water deflector.
2. Remove lock pillar grille (see Fig. 7-51).
3. Remove run channel rear attachment (on inner panel (see Fig. 7-52) and forward attachment, under lock pillar grille.
4. With rear quarter window fully forward, remove glass run channel in a rearward motion.
5. To install, reverse removal procedure.

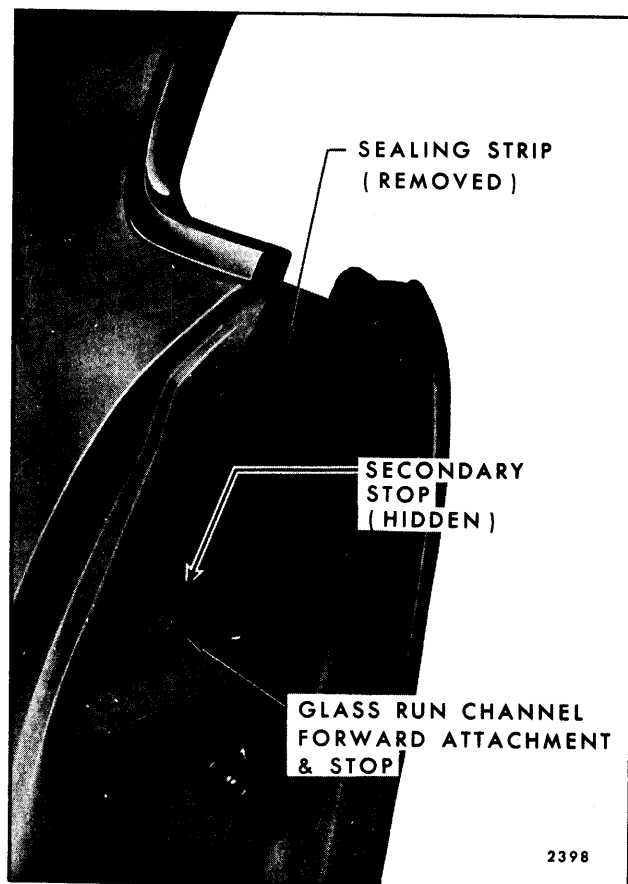


Fig. 7-51—Rear Quarter Window Hardware Attachments on Lock Pillar

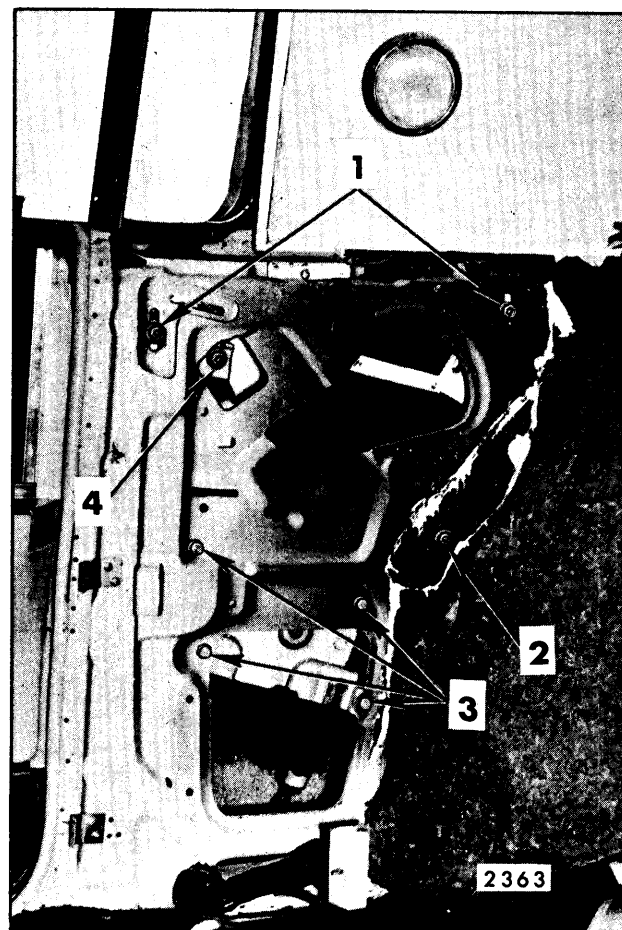


Fig. 7-52—Rear Quarter Hardware - "E-47" Style

1. Inner Panel Cam Adjusting Studs and Nuts
2. Glass Run Channel Rear Adjusting Stud and Nut
3. Regulator Attaching Bolts
4. Regulator Lift Arm to Cam Glass Roller Attaching Nut