

SECTION 15

SEATS

INDEX

Subject	Page	Subject	Page
Introduction	15-3	Seat Back Lock - Standard Full Width - "A, B, X & Z" Body	15-20
Dealer Relocation and Shimming Provisions	15-3	Seat Back Lock - Standard Full Width - "C & E" Body	15-21
Manually Operated Seat Adjuster Control		Seat Back Head Restraint - Full Width	15-22
Arm Knob	15-4	Seat Back Restraint Support - Full Width	15-22
Removal	15-4	Center Arm Rest and Curtain Assembly - Standard Full Width	15-22
Installation Equipment	15-4	Center Arm Rest and Support Assembly - Standard Full Width	15-22
Installation Procedure	15-5	Center Arm Rest and Curtain Assembly - Notch Down and Strato Seat Back	15-23
Front Seat Assembly - Full Width	15-6	Center Arm Rest Assembly - Notch Down and Strato Seat Back	15-23
Description	15-6	Center Arm Rest Support - Notch Down and Strato Seat Back	15-25
Seat Assembly - Manual	15-6	Foot Rest Assembly - Cadillac 68169 Style	15-25
Seat Adjuster Assembly - Manual	15-6	Strato Front Seats	15-26
Seat Assembly - Power	15-7	Strato Full Width, Strato Bucket, and Standard Bucket Seats	15-26
Seat Assembly	15-7	Description	15-26
Seat Adjuster Assembly - Power	15-9	Strato Full Width Seat Assembly	15-26
Two-Way Seat Adjuster Major Components -		Manually Operated Bucket Seat Assembly	15-26
"C" Body Full Width	15-9	Power Operated 2 or 4-Way Bucket Seat Assembly	15-27
Electric Motor	15-9	Passenger Bucket Seat Back Stop Cable - Chevrolet "F & Z" Styles	15-27
Horizontal Gearnut Assembly	15-9	Bucket Seat Back Assembly (Right or Left) Standard Bucket - "F & Z" Styles	15-27
Horizontal Jackscrew	15-10	Seat Back Lock (Right or Left) Standard Bucket "F & Z"	15-28
Plastic Slides	15-10	Strato Seat Back Assembly - Full Width - All Styles Except 16639 Styles	15-28
Four-Way Seat Adjuster Major Components -		Strato Seat Back Assembly - Full Width - 16639 Styles	15-29
"A" Body Full Width	15-10	Strato Seat Back Panel - 4-Door Non Folding Seat Back	15-29
Electric Motor	15-10	Strato Seat Back Panel - 2-Door Folding Seat Back	15-30
Vertical Gearnut	15-10	Strato Seat Back Head Restraint	15-30
Horizontal Actuator	15-12	Strato Seat Back Head Restraint Support Guide Tube and Detent Spring	15-30
Jackscrew	15-12	Strato Bucket Seat Back Assembly - All Except "F & Z" and Strato Reclining Seat Back	15-31
Horizontal and Vertical Drive Cables	15-12	Strato Seat Back Lock, Lock Control and Lock Rod - All 2-Door Except Reclining Strato	15-31
Transmission	15-12	Reclining Front Seat Back	15-32
Disassembly and Assembly of Transmission	15-12	Description	15-32
Four-Way Seat Adjuster Major Components -		Reclining Seat Back Assembly	15-33
Buick "B-C & E" Full Width	15-13	Reclining Seat Back Positioning Unit	15-33
Electric Motor	15-13	Reclining Seat Back Lock Striker and Seat Back Lock	15-33
Vertical Gearnut	15-13		
Horizontal Actuator	15-14		
Horizontal and Vertical Drive Cables	15-14		
Transmission	15-14		
Disassembly and Assembly of Transmission	15-15		
Six-Way Seat Adjuster Major Components -			
"B-C & E" Body Full Width	15-15		
Electric Motor	15-16		
Horizontal Actuator	15-16		
Front Vertical Gearnut	15-16		
Rear Vertical Gearnut	15-17		
Lower and Upper Channel and Plastic Slides	15-17		
Horizontal and Vertical Drive Cables	15-18		
Transmission	15-18		
Disassembly and Assembly of Transmission	15-19		
Front Seat Back Assembly			
Four Door Style - Standard Full Width	15-19		
Seat Back Assembly (Right or Left) - Two Door Style Standard Seat	15-20		
Seat Back Assembly (Right or Left) - "A-39" Style Full Width and Center Arm Rest	15-20		

Subject	Page	Subject	Page
Reclining Seat Back Lock Control Support	15-33	Folding Second Seat Back Trim Assembly	15-47
Reclining Seat Back Lock Control Assembly . . .	15-35	Folding Second Seat Back Trim, Panel and	
Manually Operated Bucket Seat Adjuster	15-35	Linkage Assembly	15-48
Power Operated Horizontal Bucket Seat		Folding Second Seat Back Linkage Assembly -	
Adjuster	15-36	Full Width & Split Outer Linkage	15-49
Power Operated Four-Way Bucket Seat		Folding Second Split Seat Back Inner	
Adjuster	15-36	Linkage Assembly	15-49
Power Operated Four-Way Bucket Seat		Luggage Compartment Lock Cylinder	
Adjuster Major Components	15-36	(Optional - 15-16000 Two-Seat	
Motor and Transmission Drive Belt		Styles)	15-49
and Pulleys	15-37	Luggage Compartment Lock - Optional	
Motor Assembly	15-37	15-16000 Two-Seat Styles	15-50
Transmission Assembly and Horizontal and		Station Wagon Folding Seats and Floor Panels -	
Vertical Drive Cable	15-38	"A" Body (Except "65" Styles)	15-50
Disassembly and Assembly of Transmission . .	15-38	Rear Compartment Floor Panel Covering -	
Adjuster Vertical Gearnut	15-38	Styles with Rubber Mat	15-50
Adjuster Jackscrew	15-38	Rear Compartment Floor Panel Covering -	
Adjuster Horizontal Actuator Assembly	15-38	Styles with Vinyl Mat	15-50
Torque Tube Assembly	15-39	Rear Compartment Floor Panel Covering -	
Rear Seats	15-39	Styles with Floor Carpet	15-50
Rear Seat Cushion - All Styles		Rear Seat Cushion Assembly - Two	
Except "A-65"	15-39	Seat Styles	15-50
Rear Seat Back Assembly - All Styles		Folding Rear Seat Back Trim and Spring	
Except "F & Z" with Folding Rear		Assembly - Two Seat Styles	15-50
Seat Back	15-39	Rear Compartment Floor Panel (At Kick-up) -	
Folding Rear Seat Back - "F" Body		Two Seats Styles	15-51
Styles	15-40	Folding Rear Seat Back and Panel	
Folding Rear Seat Back Lock - "F" Body		Assembly - Two Seat Styles	15-51
Styles	15-40	Rear Floor Filler Panel	15-51
Folding Rear Seat Back and Filler		Folding Second Seat Back Lock - All "A & B"	
Panel - Corvair	15-41	Styles Except "55-65" Styles	15-51
Folding Rear Seat Back Assembly -		Station Wagon Folding Seat and Floor Panels -	
Corvair	15-41	"A-55" Split Seat Option and All "65" Styles . . .	15-52
Folding Rear Seat Back Linkage -		Folding Second Seat Assembly - Right	
Corvair	15-41	or Left Seat	15-53
Folding Rear Seat Back Filler Panel -		Folding Second Seat Cushion Assembly -	
Corvair	15-41	Right or Left Seat	15-53
Folding Rear Seat Back Lock - Corvair	15-42	Folding Second Seat Back Trim and Spring	
Rear Seat Back Center Arm Rest and		Assembly - Right or Left Seat	15-54
Curtain	15-42	Folding Second Seat Front Floor Pan	
Rear Seat Back Center Arm Rest		Linkage - Right or Left Seat	15-55
Hanger Plate and Linkage	15-42	Folding Second Seat Rear Floor Pan	
Station Wagon Rear Seats	15-43	Linkage - Right or Left Seat	15-55
Station Wagon Folding Rear Seats and		Folding Second Seat Side Inner Linkage -	
Floor Panels - "B" Body	15-43	Right or Left Seat	15-55
Rear Floor to Tail Gate Filler Panel		Folding Second Seat Side Outer Linkage -	
Assembly - 25-26000 Series	15-44	Right or Left Seat	15-55
Compartment Pan Side Filler Panel	15-44	Folding Second Seat Back Lock -	
Luggage Compartment Front and Rear Panel		Right or Left Seat	15-55
Assemblies - Two Seat Styles	15-45	Folding Second Seat Back Panel and Filler	
Luggage Compartment Rear Panel		Panel - Right or Left Seat	15-56
Assembly - Two Seat Styles	15-45	Folding Third Seat and Floor Panel Assembly . .	15-56
Luggage Compartment Front and Rear		Folding Third Seat Cushion Trim Assembly . . .	15-56
Panel Hinge Assembly - Two Seat Styles	15-45	Folding Third Seat Back Panel Trim Assembly	
Folding Third Seat Cushion	15-45	or Seat Back Panel Assembly	15-57
Folding Third Seat Cushion Panel Assembly		Luggage Compartment Cover Panel and	
and Support	15-46	Filler Panel	15-58
Folding Third Seat Back Trim Assembly	15-46	Seat Belts and Shoulder Straps	15-58
Folding Third Seat Back Panel Assembly	15-47	General Information	15-58
Compartment Floor Panel Assembly		Removal and Installation	15-58
(At Kick-up)	15-47	Standard Seat Belt Retractor Floor Mount	15-70
Rear Floor Filler Panel	15-47	Deluxe Seat Belt Retractor Floor Mount	15-70
Second Seat Cushion (Full Width or Split Seat)	15-47	Rear Seat Belt Bail Type Retractor	15-70

FRONT AND REAR SEATS

INTRODUCTION

In addition to the standard full width seats, the "Strato" full width and bucket seats are available on all styles except "F & Z" Body Styles. Standard seat back head rests are available for driver and passenger side on all standard full width seats. The "Strato" head rest is also available on both the drivers and passengers side of "Strato" seats. A reclining seat back with head rest is available on the passengers side only on some body styles.

NOTE: All two door style front seats feature a seat back lock on both the drivers and passengers seat back. On "A, B, F, X & Z" Styles with standard seats, the seat back lock is actuated by a control lever located at the lower rear outer side of the seat back. On the "C & E" Style standard seats and on all "Strato" seats the seat back lock is actuated by a control button located

at the upper outer side of the seat back. All station wagon second and third seats also feature seat back locks.

FRONT SEAT DEALER RELOCATION AND SHIMMING PROVISIONS

As illustrated in the following chart, the front seat assembly on some body styles may be repositioned forward or rearward to accomodate a customer's request.

CAUTION: Under no circumstances should attempts be made to reposition the front seat assembly beyond the specifications shown in the chart.

Also, to accomodate a customer's request, some front seat assemblies may be tilted slightly by

<u>BODY STYLES</u>	<u>DEALERS RELOCATION</u>	<u>RELOCATION PROVISIONS</u>
All "A" Body Styles	None	- - -
Chev., Buick & Cad. "B & C" (Except Station Wagons) Buick, Olds. & Cad. "E"	1" Rearward	Move rearward at floor pan attachment.
Pontiac & Oldsmobile "B & C" (Except Station Wagons)	1" Forward	Move forward at floor pan attachment.
Chevrolet & Pontiac "B" Station Wagons	None	- - -
Chevrolet & Pontiac "F" Styles	3/4" Forward	* Remove seat assembly. Remove screw from rear of adjuster upper channel - install screws at front of channel.
Chevrolet "Z" Bucket Seat - Chevrolet "X" Styles	3/4" Rearward	* Remove seat assembly. Remove screw from front of adjuster upper channel - install screw at rear of channel.
Chevrolet "Z" Full Width Seat	None	- - -

*Screw is a cross recess screw which is installed in the upper channel of both adjusters on full width seats and in the outer adjuster only on bucket seats. When screw is removed from one end of adjuster upper channel the screw MUST be installed in opposite end of channel.

NOTE: After repositioning screw in adjuster upper channel, check if adjuster locking lever engages in the last locking notch for the new adjusted position. If lower channel does not travel sufficiently to engage in the last locking notch, tap lower channel with a rubber or fibre mallet until locking lever engages in last notch.

adding or removing shims at the forward or rearward end of the adjuster. When shimming the seat assembly, precautions should be taken to allow proper clearances to the floor pan, floor tunnel and, if so equipped, to the center console when seat assembly is adjusted to full length of travel in each position.

NOTE: Shimming at any one location should not exceed 1/2 inch. Whenever shims thicker than 1/4 inch are used, it will be necessary to use a longer attaching bolt. Attaching bolts must have full thread engagement with threaded holes in seat bottom frame, when shimming between adjuster and seat bottom frame; with threaded holes in floor pan, when shimming between adjuster and floor pan.

MANUALLY OPERATED SEAT ADJUSTER CONTROL ARM KNOB— All Styles with Manually Operated Seat Adjusters

Manually operated seat adjuster control arm knobs are a press fit on the adjuster control arm. When replacing a manually operated left seat adjuster it will be necessary to remove the control arm knob from the old adjuster and install it on the new adjuster or install a new control arm knob.

NOTE: Control arm knobs can generally be removed and reinstalled several times without losing adequate retention.

Removal

Using a heavy body spoon, a long drift pin and a piece of wood as a fulcrum, as shown in Figure 15-1, carefully remove knob from adjuster control arm.

NOTE: Use Caution not to push drift pin down onto rocker panel sill plate.

Installation Equipment

The following equipment is required to install seat adjuster control knob.

1. One four inch "C" clamp.

NOTE: Swivel pad of "C" clamp should rotate freely. Where necessary add a drop or two of oil in swivel pad.

2. One round rubber plug (Part No. 4802102 or equivalent) to fit over "C" clamp swivel pad to help prevent swivel pad from slipping off control knob or damaging control knob.

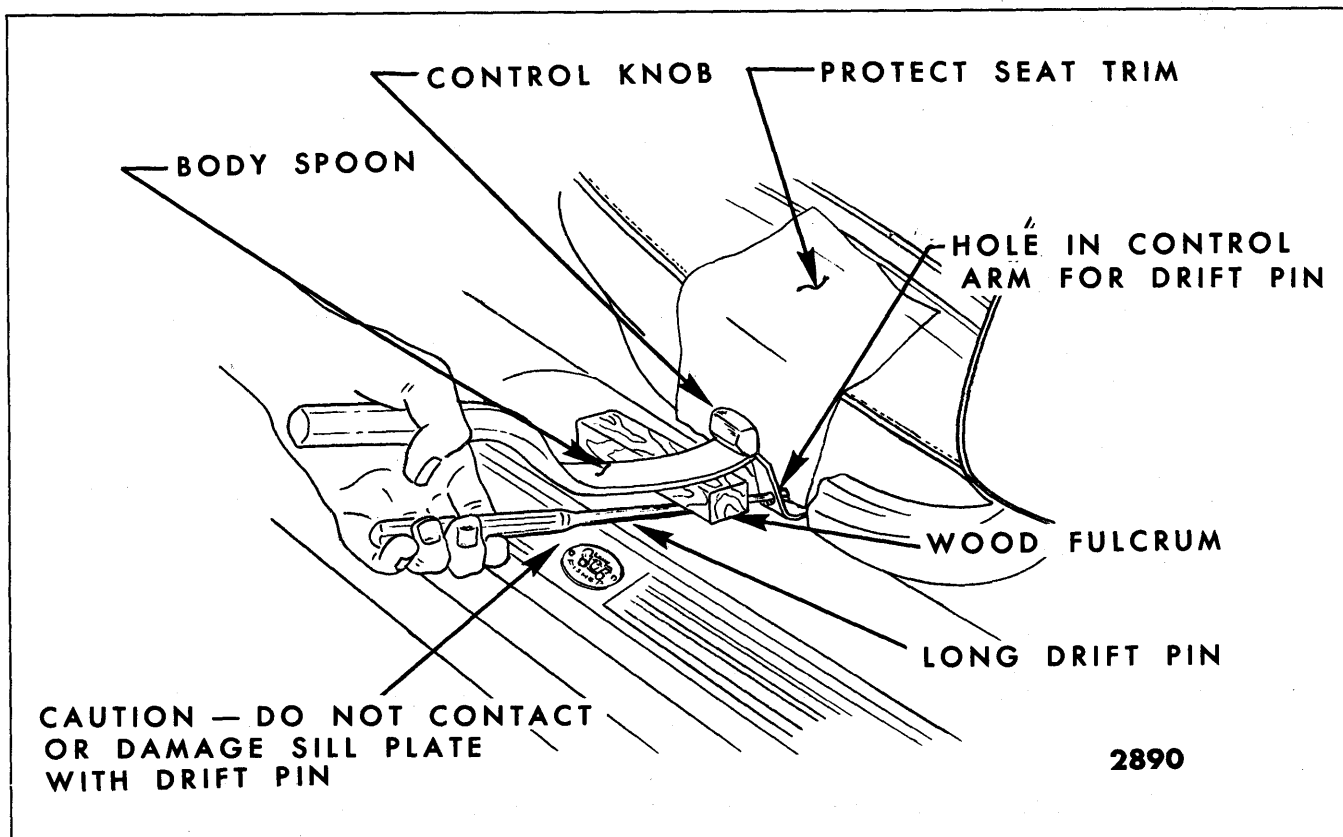


Fig. 15-1—Front Seat Adjuster Control Knob - Removal

3. One 1/8 inch diameter sheet metal screw approximately one inch long.

NOTE: Round off sharp point of screw to prevent possible damage to seat trim.

NOTE: Install knob so that "gate" mark (on one face of knob) is facing seat and is not visible.

- c. Place protective cover over seat trim side facing.

Installation Procedure

1. a. Place pencil mark on seat adjuster control arm, one inch down from top edge of arm as a guide for determining when knob is fully installed.
- b. Place seat adjuster control knob in position on control arm and start knob on by hand pressure making certain knob is started on straight.
2. Insert sheet metal screw in hole provided in adjuster control arm and place "C" clamp in position as shown in Figure 15-2. Use round rubber plug (Part No. 4802102 or equivalent) over swivel pad of "C" clamp to prevent damage to knob and to prevent "C" clamp swivel pad from slipping off knob.
3. Carefully press knob on control arm with "C" clamp until bottom edge of knob is down to mark (one inch below edge of arm).

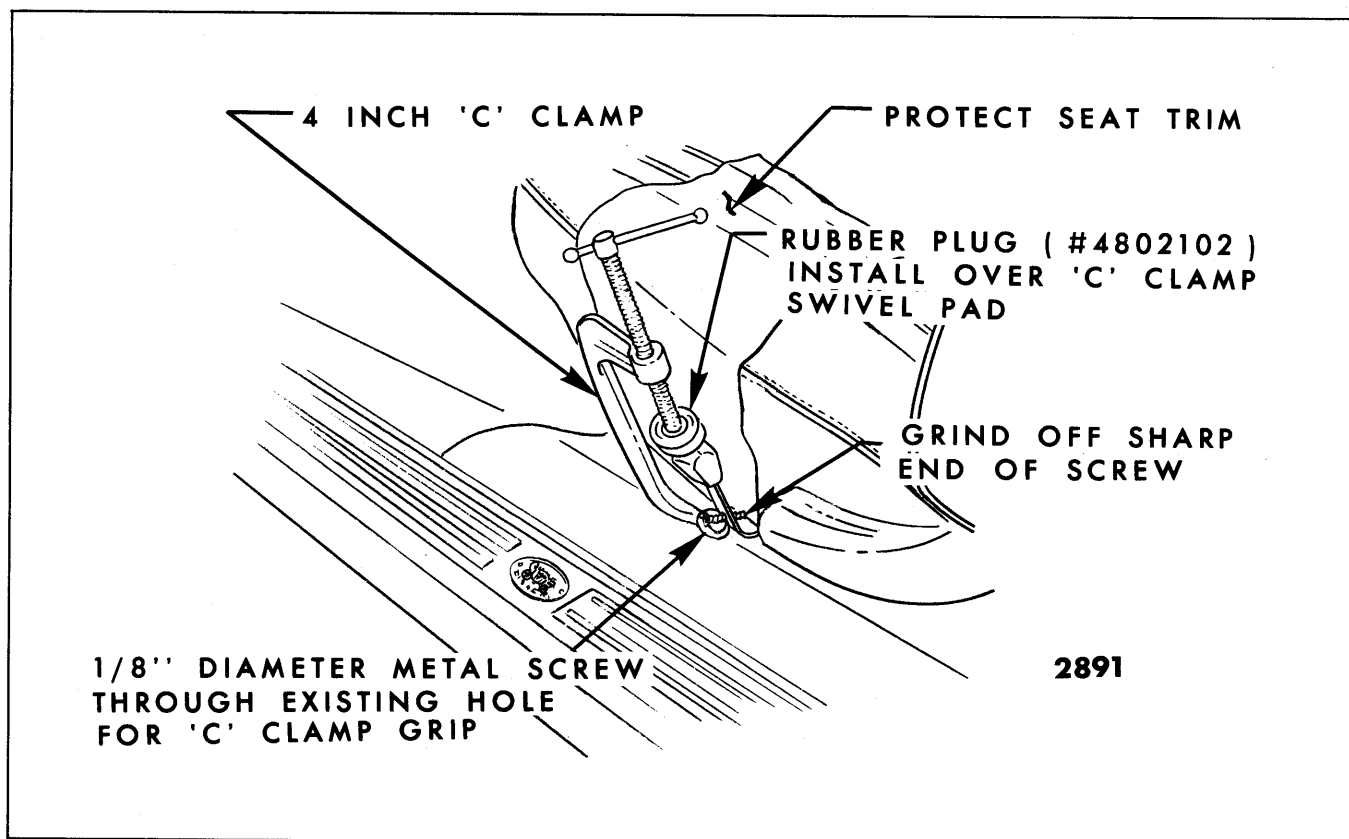


Fig. 15-2—Front Seat Adjuster Control Knob - Installation

STANDARD FRONT SEATS

FRONT SEAT ASSEMBLY— Manually Operated—Full Width

Description

The full width manually operated seat assembly incorporates manually operated seat adjusters to provide fore and aft movement of the seat. When the lever at the left seat adjuster is moved forward (rearward on "F" Body Styles), the seat adjusters unlock, permitting horizontal travel of the seat. When the seat is in the desired position and the locking lever is released the seat is locked. All seat adjusters are secured to the floor pan by nuts installed on floor pan anchor plate studs or bolts installed into anchor nuts in the floor pan (See Figs. 15-3 and 15-4).

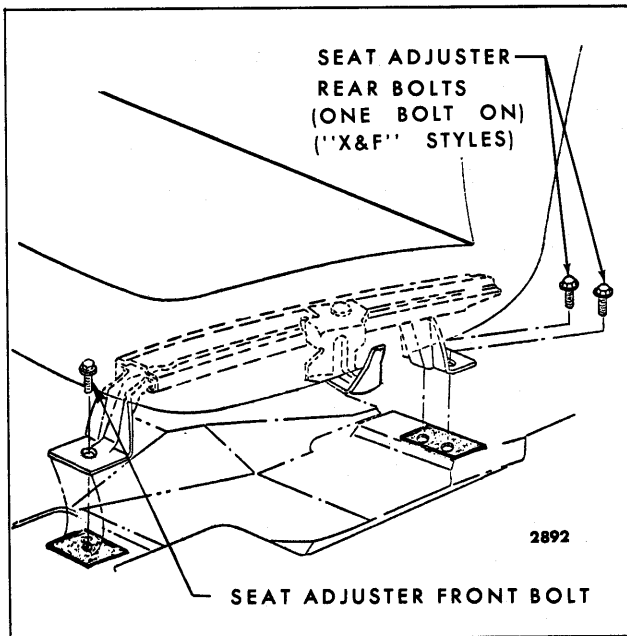


Fig. 15-3—Seat Adjuster Floor Pan Attachment -
"A, F, X & Z" Full Width Seat

SEAT ASSEMBLY

Removal and Installation

1. Remove both driver and passenger inner seat belt floor pan attaching bolt.
2. Remove door sill plates and turn back floor mat or carpeting, where necessary, to expose seat adjuster-to-floor pan attaching nuts or bolts.
3. Operate seat to full forward position.

4. At rear of adjusters, remove adjuster-to-floor pan rear attaching nuts or bolts (Fig. 15-3 and Fig. 15-4).
5. Operate seat to full rearward position. Remove adjuster-to-floor pan front attaching bolts. On styles with seat back cigar lighter, tilt seat assembly rearward sufficiently to disconnect lighter feed wire. With aid of a helper, remove seat assembly from body.
6. To install seat assembly, reverse removal procedure. Where seat adjuster-to-floor pan spacers were present reinstall spacers in same position. Check operation of seat assembly to full limits of travel.

ADJUSTER ASSEMBLY

Removal and Installation

1. Remove front seat assembly with adjusters attached, as previously described, and place upside down on a clean protected surface.
2. Remove seat adjuster assist spring from adjuster to be removed (Fig. 15-5).
3. Squeeze hooked end of seat adjuster locking wire together and slide retaining spring back over hump in locking wire and remove locking wire from adjuster.
4. Remove adjuster-to-seat bottom frame front and rear attaching bolts (Fig. 15-5) and remove seat adjuster from seat.
5. To install, reverse removal procedure. If left adjuster is being replaced, install new adjuster control knob as described under "Manually Operated Seat Adjuster Control Arm Knob".

NOTE: The right and left seat adjuster sliding mechanism should be in same relative position when attaching adjuster to seat bottom frame.

After installing adjusters to seat frame, check operation of adjusters. If adjusters do not lock or unlock satisfactorily when control handle on left adjuster is operated, disengage locking wire retainer from hole in seat bottom frame and engage retainer in one of adjacent holes to obtain proper tension in wire (Fig. 15-5).

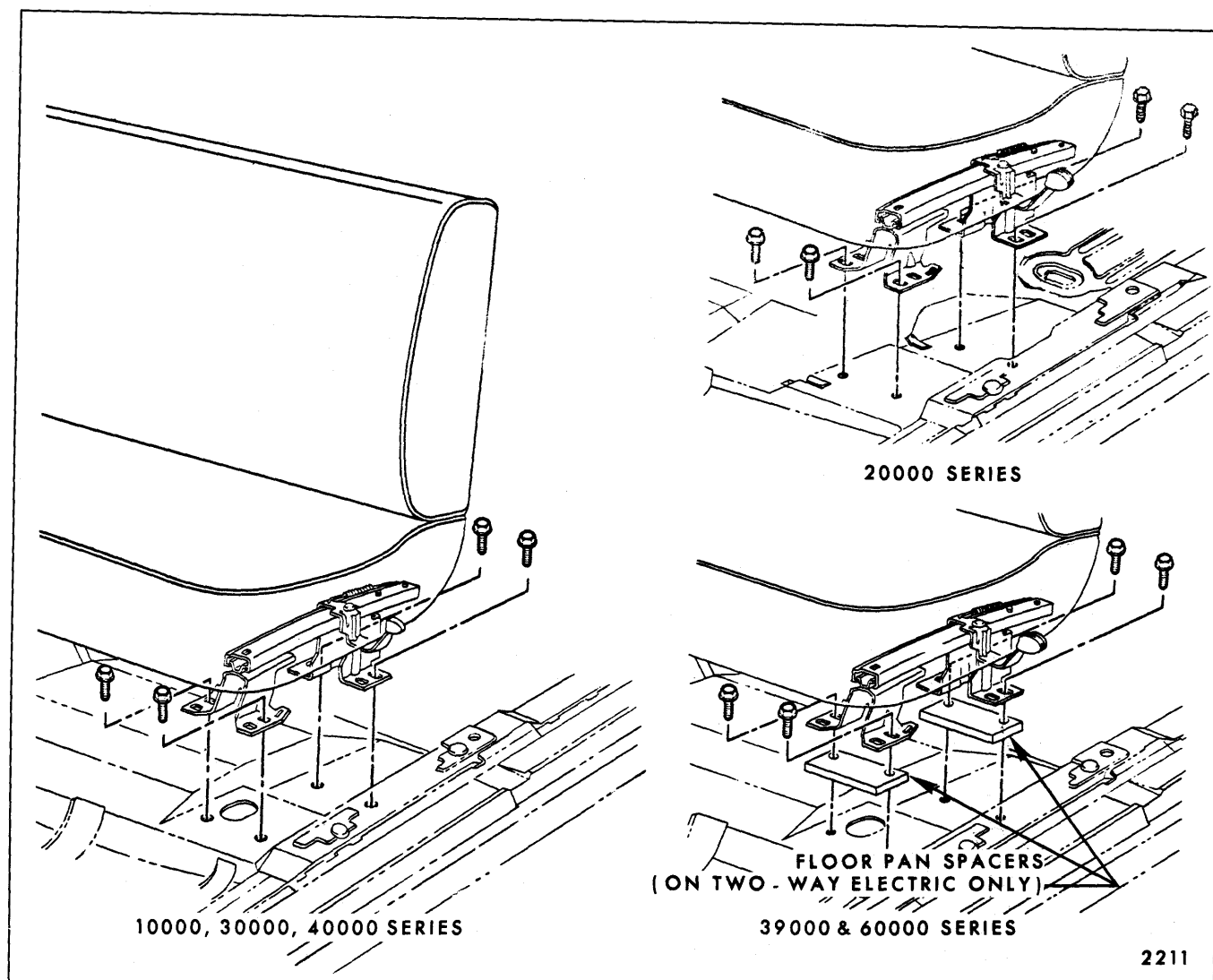


Fig. 15-4—Seat Adjuster Floor Pan Attachment - "B, C & E" Full Width Seat

FRONT SEAT ASSEMBLY—Power Operated Two, Four or Six-Way Full Width Seat

Description

The seat adjusters are actuated by a 12 volt, reversible, shunt wound motor with a built-in circuit breaker. The motor is energized by a toggle-type control switch installed in the left seat side panel or in the left door arm rest.

On four-way and six-way power operated seats the seat operating mechanism incorporates a transmission assembly which incorporates solenoids and drive cables to the seat adjusters. On the four-way seat one solenoid controls the horizontal movement of the seat while the second solenoid controls the vertical movement of the seat. On the six-way seat one solenoid controls the vertical movement of the front of the seat, the second solenoid controls the horizontal movement of the seat and the third

solenoid controls the vertical movement of the rear of the seat. When the control switch is actuated, the motor and one of the solenoids are energized simultaneously. Then the solenoid plunger engages with the driving gear dog. The driving gear rotates the drive cables and operates both adjusters. When the adjusters reach their limit of travel, the drive cables stop their rotating action and torque is absorbed by the rubber coupler connecting the motor and transmission. When the control switch is released, a return spring returns the solenoid plunger to its original position disengaging it from the driving gear dog.

SEAT ASSEMBLY

Removal and Installation

1. Operate seat to full forward position. On four-way or six-way power seats, operate seat to full up position.

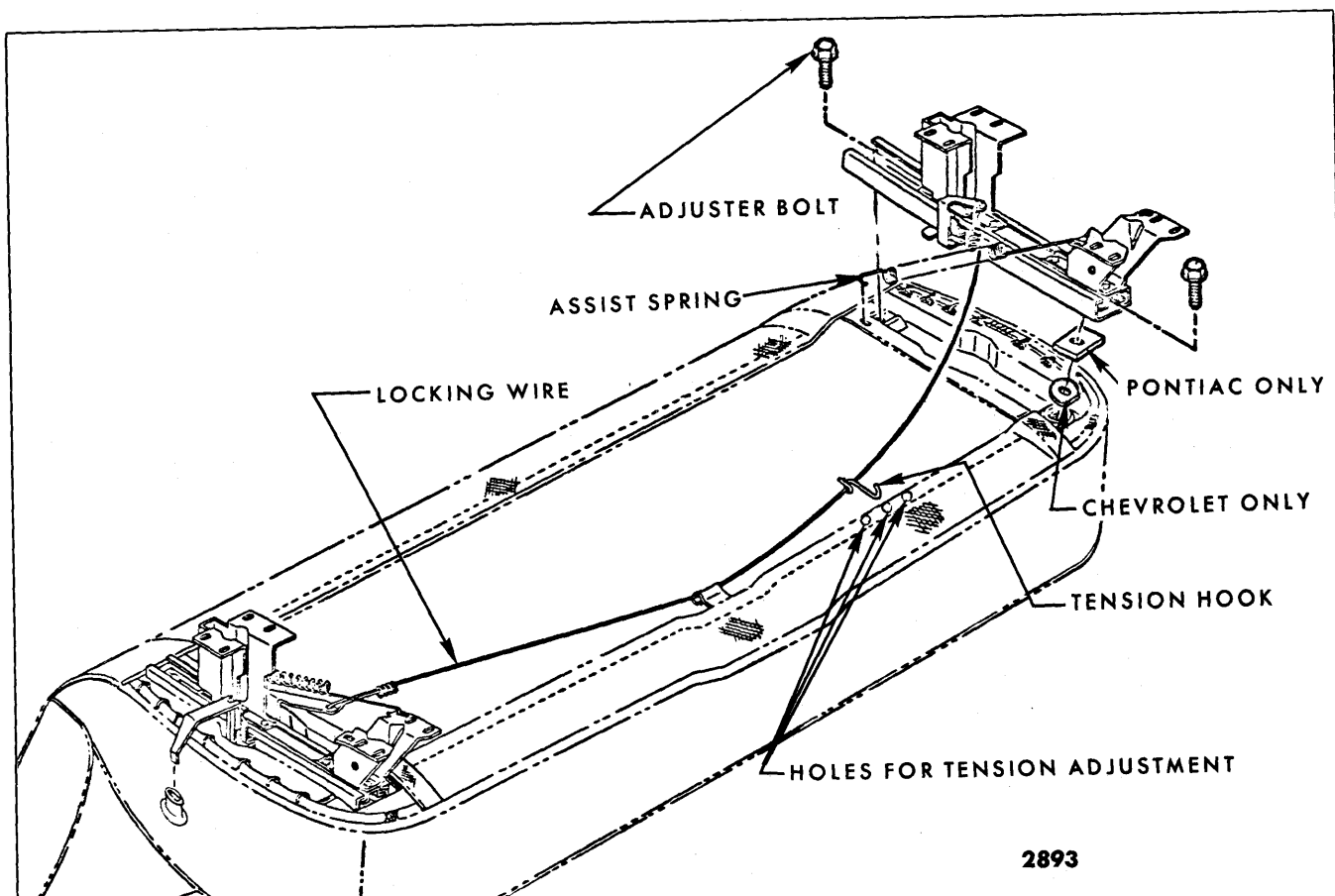


Fig. 15-5—Manual Seat Adjuster Installation - "B & C" Shown, "A, F, X & Z" Typical

2. Remove both driver and passenger inner seat belt floor pan attaching bolts. Remove seat cushion side panels where present. Where seat adjuster track covers are present carefully pry out track cover snap-in retainers with a flat-bladed tool and remove track covers.
3. Where necessary, remove sill plates and turn back floor mat or carpeting to expose seat adjuster-to-floor pan attaching nuts or bolts.
4. Remove seat adjuster-to-floor pan rear attaching bolts (Figs. 15-3 and 15-4).
5. Operate seat to full rearward position. Remove adjuster-to-floor pan front attaching bolts (Fig. 15-4). Tilt seat assembly rearward sufficiently to disconnect seat harness feed connector and detach harness from clip on floor pan. On styles with seat back cigar lighter, seat back courtesy lamps or seat back vanity lamp, disconnect electrical feed wire or wires. With aid of a helper remove seat assembly from body.

6. To install seat assembly, reverse removal procedure. Where seat adjuster-to-floor pan spacers were present reinstall spacers in same position. Make sure ground wire is securely attached under left seat adjuster-to-floor pan rear attaching bolt. Check for proper operation of seat adjusters to limits of travel.

IMPORTANT: When installing seat assembly in body, seat adjusters should be parallel and "in phase" with each other. In the event the adjusters are "out of phase" (this is, one adjuster reaches its maximum horizontal or vertical travel in a given direction before the other adjuster), proceed as follows:

- a. Horizontal Travel - Operate seat control switch until one adjuster reaches full forward position. Detach horizontal drive cable from adjuster which has reached full forward position. Operate seat forward until other adjuster reaches full forward position; then, connect horizontal drive cable and check horizontal travel of seat.
- b. Front or Rear Vertical Travel - Operate seat control switch until one adjuster has

reached the fully raised position at both front and rear vertical travel limits. Disconnect both front and rear vertical drive cables from adjuster which has reached the fully raised position. Operate seat control switch until other adjuster reaches the fully raised position at both front and rear vertical travel limits; then, connect previously removed front and rear vertical drive cables. Check vertical travel by operating adjusters through one or two complete cycles. The above operation may be repeated on an "as required" basis if adjusters do not appear to be "in phase" after test cycle.

ADJUSTER ASSEMBLY

Removal and Installation

1. Operate seat to a midway horizontal position; on four-way and six-way seats also operate seat to fully raised position.
2. Remove front seat assembly with adjusters attached, as previously described, and place upside down on a clean protected surface.
3. Detach power drive cables from gear nuts of adjuster to be removed (Figs. 15-6, 15-7, 15-13 and 15-16).
4. Remove adjuster-to-seat bottom frame front and rear attaching bolts and remove adjuster from seat assembly (Figs. 15-6, 15-7, 15-13 and 15-16).
5. To install seat adjuster assembly, reverse removal procedure. On seats with adjuster upper track covers, make sure track covers are installed between adjuster and seat frame (Figs. 15-7, 15-13 and 15-16). Check operation of seat adjusters and make sure adjusters are "in phase" before installing assembly into body (See Step 6 under "Front Seat Assembly - Removal and Installation").

TWO-WAY SEAT ADJUSTER MAJOR COMPONENTS—"C" Body Full Width Seats

The following service procedures cover replacement of the major component parts of the power operated two-way seat adjusters used on "C" body full width seats.

ELECTRIC MOTOR—"C" Body

Removal and Installation

1. Remove front seat assembly as previously described and place upside down on a clean protected surface.

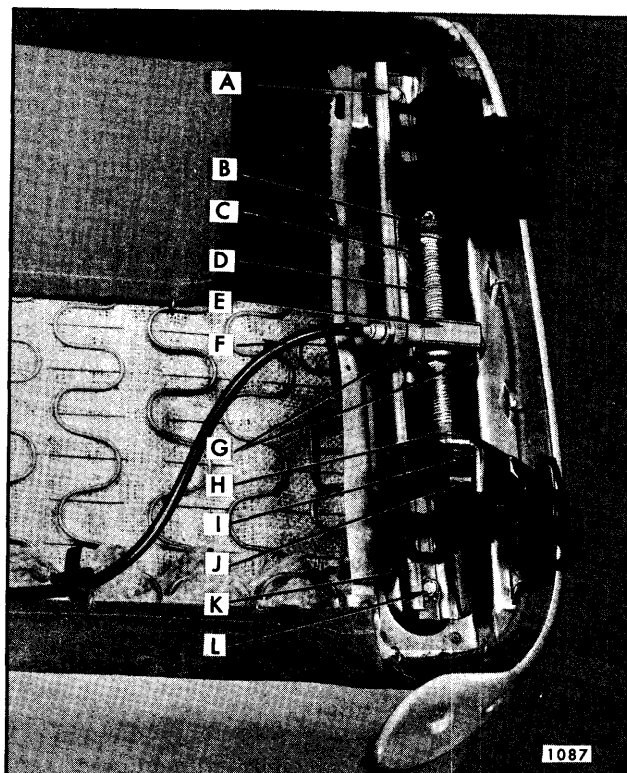


Fig. 15-6—Horizontal Power Adjuster - "C & E" Styles

- | | |
|----------------------------|----------------------------|
| a. Adjuster Attaching Bolt | g. Shoulder Bolts |
| b. Rear Stop | h. Front Stop |
| c. Adjuster Lower Channel | i. Stop Bracket |
| d. Jackscrew | j. Cross-Pin |
| e. Gearnut | k. Adjuster Upper Channel |
| f. Drive Cable | l. Adjuster Attaching Bolt |
2. Disconnect both power drive cables from actuator motor.
 3. Remove screws that secure actuator motor support bracket to seat bottom frame and remove actuator motor with attached support bracket from seat assembly.
 4. Disconnect feed wire harness from actuator motor.
 5. Remove screws securing motor to motor support bracket.
 6. To install, reverse removal procedure. Check for proper seat operation to extreme limits of travel.

HORIZONTAL GEARNUT ASSEMBLY—"C" Body

Removal and Installation

1. Remove front seat assembly with adjusters attached and place upside down on a clean, protected surface.

2. Detach power drive cable from gearnut to be removed.
3. Using a "clutch" type screwdriver or other suitable tool, remove two shoulder bolts securing gearnut to upper slide portion of seat adjuster (Fig. 15-6).
4. Rotate jackscrew assembly upward sufficiently to gain access to cotter pin at rear of jackscrew assembly.
5. Remove cotter pin, washer and rubber bumper from rear end of jackscrew; then, remove gearnut from jackscrew.
6. To install, reverse removal procedure. Prior to installing seat assembly in body, be sure adjusters are "in phase". See Step 6 under "Front Seat Assembly - Removal and Installation".

HORIZONTAL JACKSCREW—"C" Body

Removal and Installation

1. Remove front seat assembly with adjusters attached and place upside down on a clean, protected surface.
2. Detach power drive cable from gearnut and jackscrew assembly to be removed.
3. Using a suitable tool (preferably a "clutch" type screwdriver) remove two shoulder bolts securing gearnut to upper slide portion of seat adjuster assembly (Fig. 15-6).
4. Remove retainer that secures stop bracket crosspin to adjuster front pedestal and remove crosspin (Fig. 15-6).
5. Remove jackscrew assembly from seat adjuster.
6. To install, reverse removal procedure.

NOTE: When replacing jackscrew assembly with new part, remove nut, washers, rubber bumper and stop bracket with inserted rubber grommet from front end of jackscrew, as well as gearnut and washers, rubber bumper and cotter pin from rear end of jackscrew and transfer to new jackscrew assembly.

PLASTIC SLIDES—"C" Body

Removal and Installation

1. Remove front seat adjuster to be serviced from front seat assembly. (See: Front Seat Adjuster - Two-Way Electric - Removal and Installation procedures.)

2. Using a suitable tool (preferably a "clutch" type screwdriver), remove two shoulder bolts securing gearnut to upper channel of seat adjuster assembly (Fig. 15-6).
3. Slide lower track and support base portion of seat adjuster, with attached jackscrew and gearnut, forward until it disengages from upper channel assembly. The four plastic slides may now be disengaged from positioning slots on lower track.
4. To install, reverse removal procedure making sure that groove in plastic slide slips onto lower track with thinner section of slide protruding above surface of track.

FOUR-WAY SEAT ADJUSTER MAJOR COMPONENTS - "A" Body Full Width Seats

The following service procedures cover replacement of the major component parts of the power operated four-way seat adjusters used on the "A" Body full width seats.

ELECTRIC MOTOR—"A" Body

Removal and Installation

1. Remove front seat assembly as previously described and place upside down on a clean protected surface.
2. Disconnect wire harness from motor relay assembly.
3. Remove screws securing motor and transmission support to seat bottom frame (See Fig. 15-7).
4. Remove motor-to-motor support attaching screws and remove motor assembly from support.
5. To install, reverse removal procedure making sure rubber coupler is properly engaged at both motor and transmission ends. Check operation of seat to full limits of travel.

VERTICAL GEARNUT—"A" Body

Removal and Installation

1. Operate seat assembly to fully raised and mid-way position.
2. Remove front seat assembly from body as previously described and place upside down on a clean protected surface.
3. Detach vertical gearnut drive cable from other adjuster.

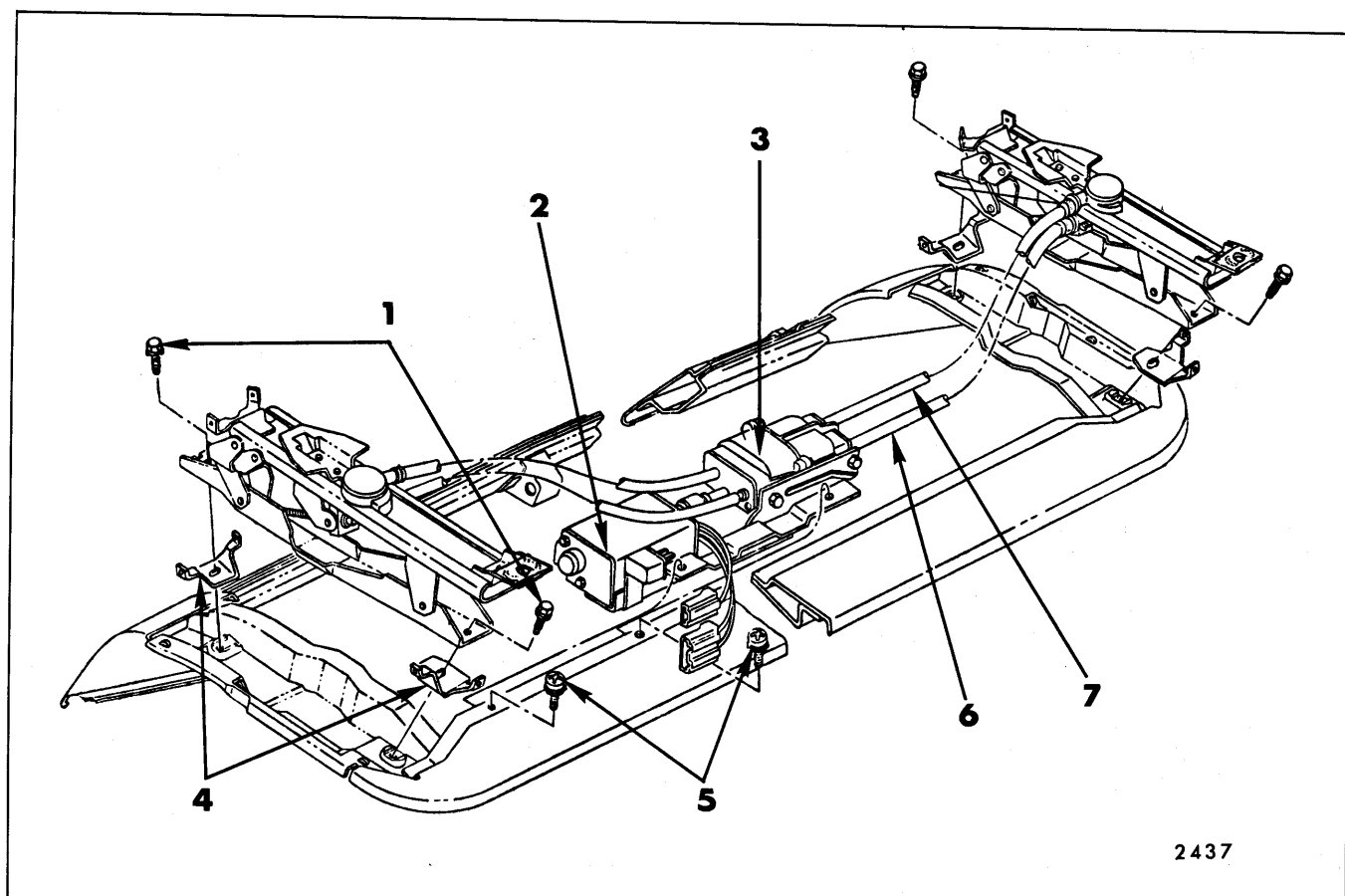


Fig. 15-7—Front Seat Assembly - Four-Way Tilt - "A" Styles

- | | |
|---|--|
| 1. Adjuster to Seat Frame Attaching Bolts | 5. Motor and Transmission Support Attaching Screws |
| 2. Motor Assembly | 6. Vertical Cable (Yellow) |
| 3. Transmission Assembly | 7. Horizontal Cable (Black) |
| 4. Track Cover Supports | |

4. Using a clutch type screwdriver or other suitable tool, remove shoulder screws securing linkage to vertical gearnut being replaced (Fig. 15-8).

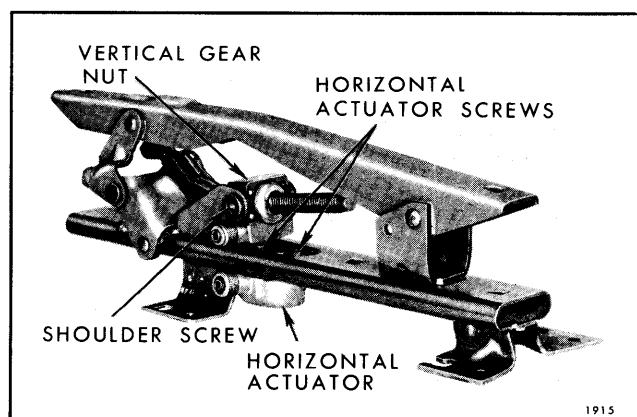


Fig. 15-8—Four-Way Seat Adjuster - "A" Styles

5. If right adjuster gearnut is being replaced, at front of jackscrew, remove double nut that acts as a jackscrew "down" stop.

6. Using a portable power source to energize the motor, actuate vertical gearnut until gearnut is disengaged from jackscrew.

NOTE: It may be necessary to manually raise or lower upper rear portion of adjuster to gain clearance for removal of gearnut.

7. Disconnect drive cable from gearnut.

8. To install, reverse removal procedure.

NOTE: Check operation of seat adjusters and make sure adjusters are "in phase". See Step 6 under "Front Seat Assembly - Removal and Installation".

HORIZONTAL ACTUATOR—"A" Body

Removal and Installation

1. Remove adjuster vertical gearnut as previously described.
2. Disconnect drive cable from horizontal actuator.
3. Remove screws securing horizontal actuator assembly to adjuster lower track; then remove actuator from adjuster assembly (Fig. 15-8).
4. To install, reverse removal procedure.

NOTE: When installing horizontal actuator, adjust actuator so that drive gear is fully engaged with teeth on lower channel. When horizontal actuator attaching screws are tightened, there should be no free motion between upper and lower channels. Readjust actuator "as required" until all free motion between channels has been removed. Check operation of seat adjusters and make sure adjusters are "in phase". See Step 6 under "Front Seat Assembly - Removal and Installation".

JACKSCREW—"A" Body

Removal and Installation

1. Remove adjuster vertical gearnut as previously described.
2. Remove seat adjuster-to-seat bottom frame front and rear attaching bolts on side affected (Fig. 15-7).
3. As a bench operation, remove jackscrew-to-adjuster linkage attaching rivet and remove jackscrew from adjuster assembly (Fig. 15-9).

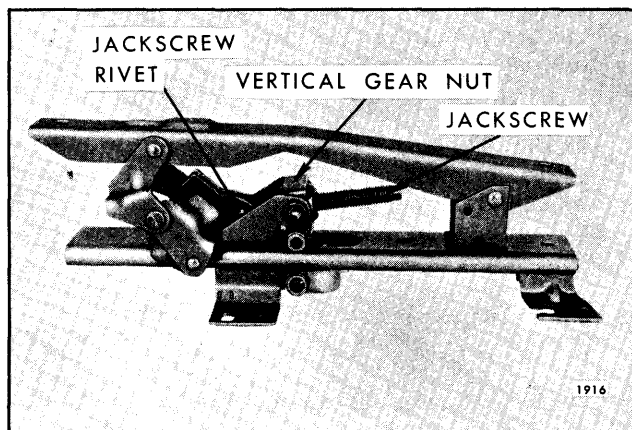


Fig. 15-9—Four-Way Seat Adjuster - "A" Styles

4. To install, reverse removal procedure. Check operation of seat adjusters and make sure adjusters are "in phase". See step 6 under "Front Seat Assembly - Removal and Installation".

HORIZONTAL AND VERTICAL DRIVE CABLES—"A" Body

Removal and Installation

1. Remove front seat assembly from body with adjusters attached, motor and transmission and place upside down on a clean protected surface.
2. Detach both horizontal and vertical cables from seat adjuster.
3. Remove screws securing horizontal and vertical cable end plate on side of transmission from which cables are being removed and remove cables from seat assembly (Fig. 15-7).
4. Disengage cable to be replaced from end plate.
5. To install cables, reverse removal procedure. Check operation of seat to full limits of travel.

TRANSMISSION—"A" Body

Removal and Installation

1. Remove front seat assembly from body with adjusters attached, motor and transmission and place upside down on a clean protected surface.
2. Disconnect wire harness connector from transmission.
3. Remove screws securing horizontal and vertical cable end plate on both sides of transmission and detach cables from transmission.
4. Remove transmission to support attaching bolts; then, disengage transmission from rubber coupler and remove transmission from seat assembly.
5. To install, reverse removal procedure.

DISASSEMBLY AND ASSEMBLY OF TRANSMISSION

1. Remove front seat adjuster transmission from seat assembly.
2. Remove screws securing gear and solenoid housings together; then, carefully separate housings and remove component parts of transmission assembly (Fig. 15-10).
3. To assemble transmission, reverse removal procedure.

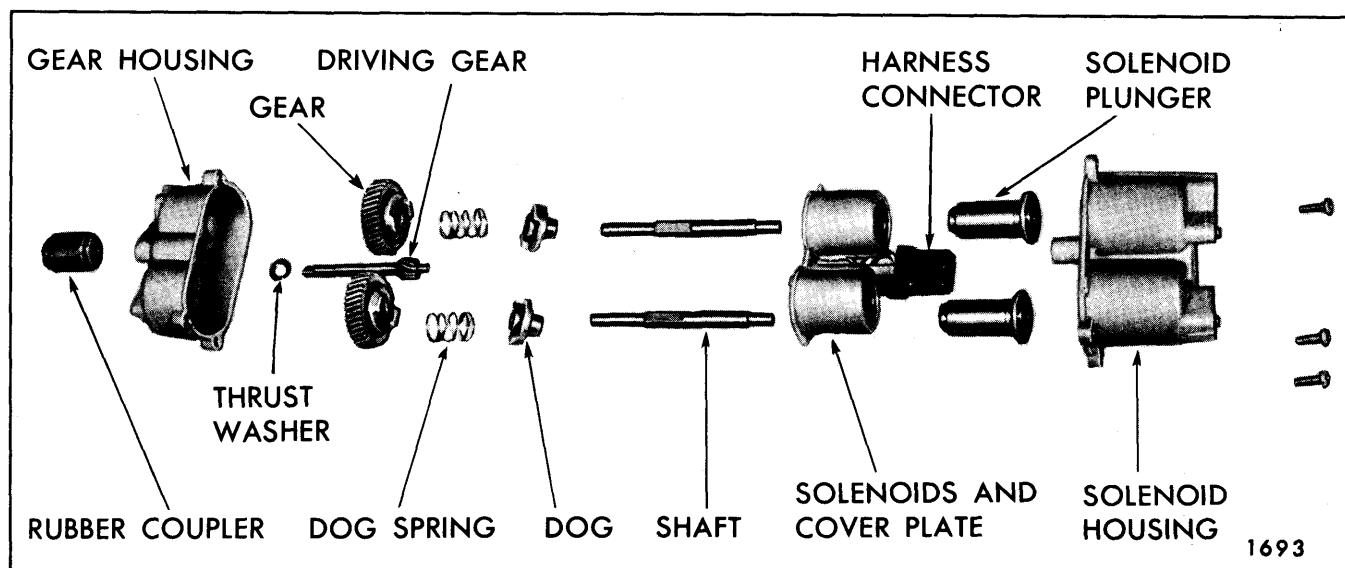


Fig. 15-10—Four-Way Seat Adjuster Transmission

IMPORTANT: Prior to or during installation, lubricate frictional surfaces of driving gear thrust washer, gears, dog washers, shaft and solenoid plungers with "Lubriplate" (630AAW) or equivalent.

FOUR-WAY SEAT ADJUSTER MAJOR COMPONENTS—Buick "B-C&E"

Full Width Four-Way Power Seat

The following service procedures cover replacement of the major component parts of the power operated four-way seat adjusters used on the Buick "B-C & E" body full width seats.

ELECTRIC MOTOR— Buick "B-C&E" Body

Removal and Installation

1. Remove front seat assembly, and place upside down on a clean protected surface.
2. Disconnect wire harness from motor relay assembly.
3. Remove screws securing motor and transmission support to seat bottom frame ("6", Fig. 15-13).
4. Remove motor-to-support attaching screws and remove motor assembly from support.
5. To install, reverse removal procedure making sure rubber coupler is properly engaged at both motor and transmission ends. Check that seat harness is properly secured to seat. Check operation of seat to full limits of travel.

VERTICAL GEARNUT—Buick "B-C&E" Body

Removal and Installation

1. Operate seat to full rearward position; then, remove front seat assembly from body and remove seat adjuster from seat.
2. Remove vertical gearnut attaching nut and gearnut tension spring (Fig. 15-11).

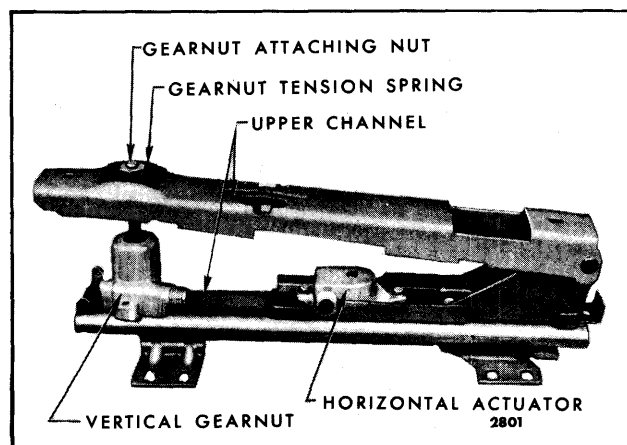


Fig. 15-11—Four-Way Seat Adjuster - Buick "B, C & E" Styles

3. Lay adjuster on its side and remove screws securing vertical gearnut to adjuster lower track; then, remove gearnut from adjuster (Fig. 15-11).

NOTE: If seat was not in rearward position when removed from car it may be necessary to manually operate the horizontal actuator to gain access to vertical gearnut attaching screws on bottom of lower channel.

4. To install, reverse removal procedure.

NOTE: Check operation of seat adjusters and make sure adjusters are "in phase". See step 6 under "Front Seat Assembly - Removal and Installation".

HORIZONTAL ACTUATOR— Buick "B-C&E" Body

Removal and Installation

1. Remove front seat assembly from body and remove adjuster (from which horizontal actuator is being removed) from seat.
2. Remove vertical gearnut attaching nut and gearnut tension spring.
3. Raise upper portion of lower channel. Remove screws securing horizontal actuator assembly to adjuster lower track; then, remove actuator from adjuster assembly (Fig. 15-12).

NOTE: It may be necessary to manually actuate the horizontal actuator to gain access to attaching screws.

4. To install, reverse removal procedure. Make sure horizontal actuator is properly adjusted (Fig. 15-11 and 15-12), so that drive gear is fully engaged with teeth on lower channel.

NOTE: When horizontal actuator attaching screws are tightened, there should be no free motion between upper and lower channels. Readjust actuator "as required" until all free motion between channels has been removed. Check operation of seat adjusters and make sure adjusters are "in phase". See step 6 under "Front Seat Assembly - Removal and Installation".

HORIZONTAL AND VERTICAL DRIVE CABLES—Buick "B-C&E" BODY

Removal and Installation

1. Remove front seat assembly, as previously described, and place upside down on a clean protected surface.
2. Detach both horizontal and vertical cables from seat adjuster (See Fig. 15-13).

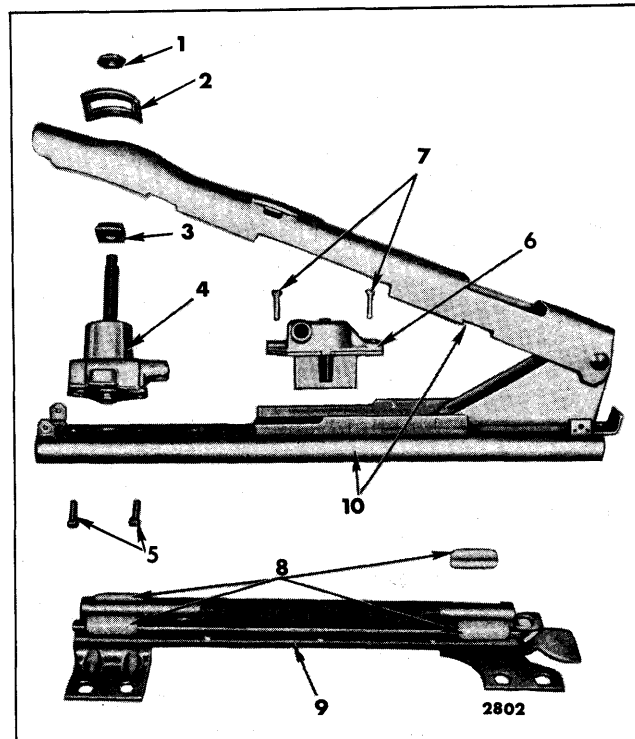


Fig. 15-12—Four-Way Seat Adjuster Components -
Buick "B, C & E" Styles

1. Upper Channel to Gearnut Attaching Nut
 2. Vertical Gearnut Tension Spring
 3. Vertical Gearnut Shoulder Nuts
 4. Vertical Gearnut
 5. Vertical Gearnut Attaching Screws
 6. Horizontal Actuator
 7. Horizontal Actuator Attaching Screws
 8. Plastic Shoes
 9. Lower Channel
 10. Upper Channel
3. Remove screws securing horizontal and vertical cable end plate on side of transmission from which cables are being removed and remove cables from seat assembly.
 4. Disengage cable to be replaced from end plate.
 5. To install cables, reverse removal procedure. Check operation of seat to full limits of travel.

TRANSMISSION—Buick "B-C&E" Body

Removal and Installation

1. Remove front seat assembly, from body and place upside down on a clean protected surface.
2. Disconnect wire harness connector from transmission.

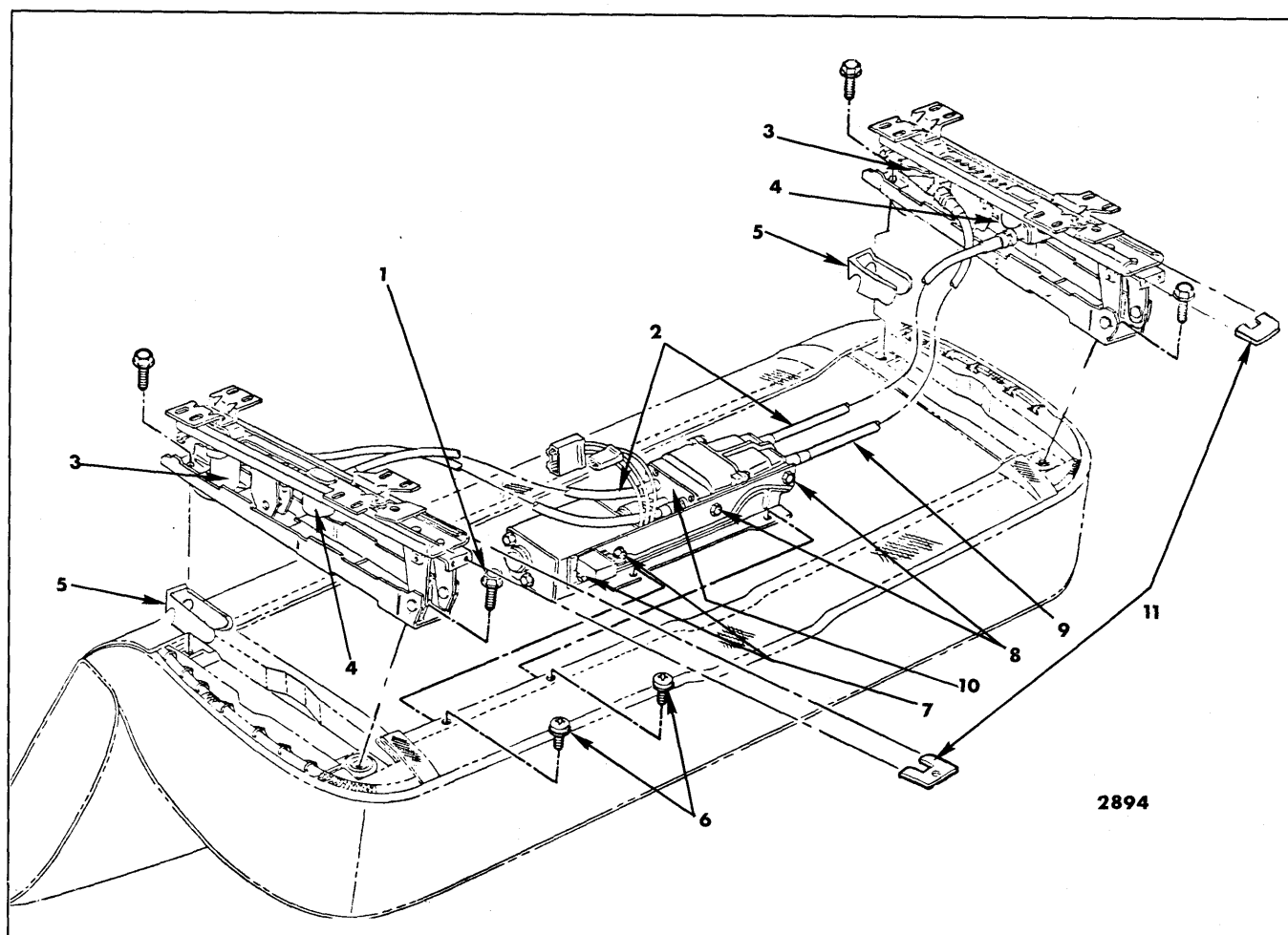


Fig. 15-13—Front Seat Assembly - Four-Way Tilt - Buick "B, C & E" Styles

- | | | |
|-------------------------------------|--|----------------------------------|
| 1. Adjuster-to-Seat Attaching Bolts | 5. Track Cover | 8. Transmission Attaching Screws |
| 2. Horizontal Cables - Black | 6. Motor and Transmission Support Attaching Screws | 9. Rear Vertical Cables (Blue) |
| 3. Vertical Gearnut | 7. Motor Attaching Screws | 10. Drive Cable End Plate |
| 4. Horizontal Actuator | | 11. Carpet Retainers |

3. Remove screws securing horizontal and vertical cable end plate on both sides of transmission and detach cables from transmission.
4. Remove transmission to support attaching bolts (Fig. 15-13); then, disengage transmission from rubber coupler and remove transmission from seat assembly.

5. To install, reverse removal procedure.

DISASSEMBLY AND ASSEMBLY OF TRANSMISSION

1. Remove front seat adjuster transmission from seat assembly.
2. Remove screws securing gear and solenoid housings together; then, carefully separate

housings and remove component parts of transmission assembly (Fig. 15-10).

3. To assemble transmission, reverse removal procedure.

IMPORTANT: Prior to or during installation, lubricate frictional surfaces of driving gear thrust washer, gears, dog washers, shaft and solenoid plungers with "Lubriplate" (630 AAW) or equivalent.

SIX-WAY SEAT ADJUSTER MAJOR COMPONENTS—"B-C&E" Body Full Width Seats

The following service procedures cover replacement of the major component parts of the power

operated six-way seat adjusters used on the "B, C & E" Body full width seats:

ELECTRIC MOTOR—"B-C&E" Body

Removal and Installation

1. Remove front seat assembly, as previously described, and place upside down on a clean protected surface.
2. Disconnect motor feed wires from motor control relay.
3. Remove motor support-to-seat frame attaching bolts.
4. Remove motor-to-support attaching bolts; then move motor assembly outboard (away from transmission) sufficiently to disengage motor from rubber coupling.
5. To install, reverse removal procedure making sure rubber coupling is properly engaged at both motor and transmission. Check that seat harness is properly secured to seat. Check operation of seat to full limits of travel.

HORIZONTAL ACTUATOR—"B-C&E" Body

Removal and Installation

1. Remove seat assembly from body, as previously described and place upside down on a clean protected surface.
2. Detach three power drive cables from adjuster to be removed.
3. Remove screws securing seat adjuster to seat bottom frame and remove adjuster from seat assembly.
4. At top of adjuster, remove front and rear vertical gearnut attaching nuts and tension springs (Fig. 15-14).
5. Lift front of adjuster upper channel upward; then, remove screws securing horizontal actuator to adjuster upper channel assembly (Fig. 15-14) and remove actuator from adjuster.
6. To install, reverse removal procedure. When installing horizontal actuator, be sure actuator drive gear is fully engaged with teeth on lower channel. With actuator attaching screws tight, there should be no free motion between upper and lower adjusting channels. Re-adjust actuator "as required" until all free motion between channels has been removed. Be sure seat adjusters are "in phase", before installing seat

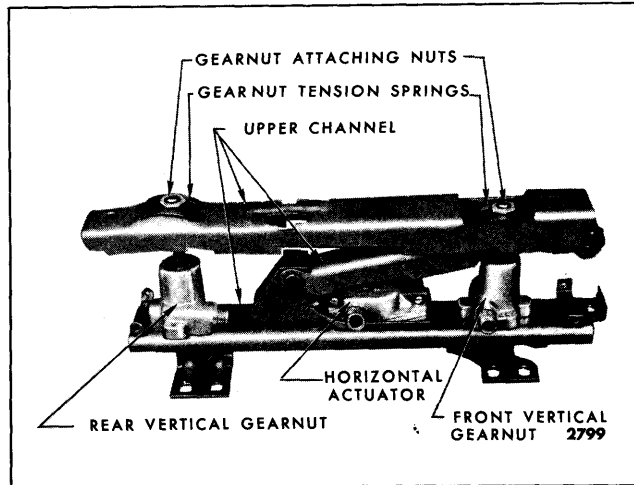


Fig. 15-14—Six-Way Seat Adjuster - "B, C & E" Styles

assembly into body (See step 6 under "Front Seat Assembly - Removal and Installation").

FRONT VERTICAL GEARNUT—"B-C&E" Body

Removal and Installation

1. Operate seat to full forward position.
2. Remove front seat assembly from body as previously described and place upside down on a clean protected surface.
3. Detach three power drive cables from adjuster to be removed.
4. Remove screws securing seat adjuster to seat bottom frame and remove adjuster from seat assembly.
5. At top of adjuster, remove both vertical gearnut attaching nuts and tension springs (Fig. 15-15).
6. Lay adjuster on its side and remove front vertical gearnut attaching screws (Fig. 15-15); then, remove gearnut from adjuster.

NOTE: If seat was not in forward position when removed from car, it may be necessary to manually operate the horizontal actuator to gain access to vertical gearnut attaching screws on bottom of lower channel.

7. If front vertical gearnut is being replaced with a new part, transfer gearnut washer to new gearnut assembly (Fig. 15-14).
8. To install, reverse removal procedure. Be sure adjusters are "in phase" before installing

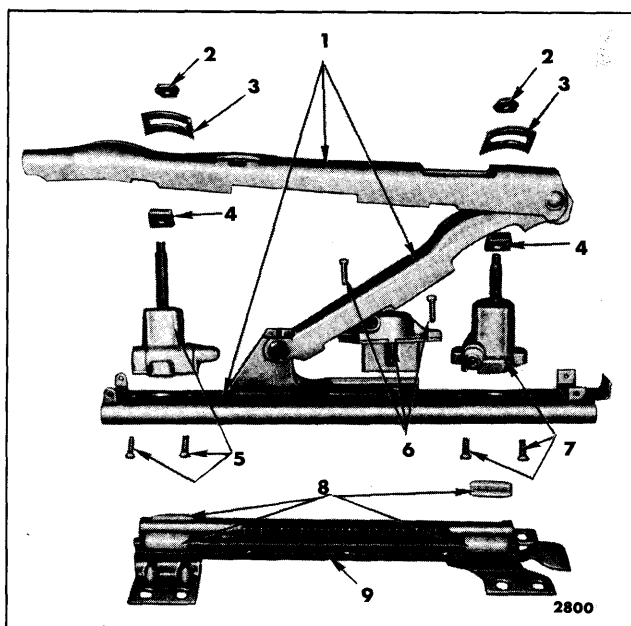


Fig. 15-15—Six-Way Seat Adjuster Components -
"B, C & E" Styles

1. Upper Channel Assembly
2. Upper Channel to Gearnut Attaching Bolts
3. Gearnut Tension Springs
4. Gearnut Shoulder Nuts
5. Rear Vertical Gearnut and Attaching Screws
6. Horizontal Actuator
7. Front Vertical Gearnut and Attaching Screws
8. Plastic Shoes
9. Lower Channel

seat assembly into body (See step 6 under "Front Seat Assembly - Removal and Installation").

REAR VERTICAL GEARNUT— "B-C&E" Body

Removal and Installation

1. Operate seat to full rearward position.
2. Remove front seat assembly from body as previously described and place upside down on a clean protected surface.
3. Detach three power drive cables from adjuster to be removed.
4. Remove screws securing seat adjuster to seat bottom frame and remove adjuster from seat assembly.
5. At top of adjuster, remove both vertical gearnut attaching nuts and tension springs (Fig. 15-14).

6. Lay adjuster on its side and remove rear vertical gearnut attaching screws; then, remove gearnut from adjuster (Fig. 15-15).

NOTE: If seat was not in rearward position when removed from car, it may be necessary to manually operate the horizontal actuator to gain access to vertical gearnut attaching screws on bottom of lower channel.

7. If rear vertical gearnut is being replaced with a new part, transfer gearnut washer to new gearnut assembly (Fig. 15-14).
8. To install, reverse removal procedure. Be sure rear gearnut spring is properly engaged over adjuster upper channel before tightening rear gearnut upper attaching nut. In addition, be sure adjusters are "in phase" prior to installing seat assembly into body (See step 6 under "Front Seat Assembly - Removal and Installation").

LOWER OR UPPER CHANNEL AND PLASTIC SLIDES—"B-C&E" Body

Removal and Installation

1. Remove seat assembly from body and place upside down on a clean protected surface.
2. Detach three power drive cables from adjuster to be removed.
3. Remove screws securing seat adjuster to seat bottom frame and remove adjuster from seat assembly.
4. At top of adjuster, remove both vertical gearnut attaching nuts and tension springs (Fig. 15-14). Lift front of adjuster upper channel upward; then, remove horizontal actuator attaching screws (Fig. 15-14) and remove horizontal actuator from adjuster.
5. Slide lower channel until it is completely disengaged from upper channel. Plastic slides may be removed from lower channel.
6. To install upper and lower channel, reverse removal procedure.
 - a. If replacing lower channel, transfer plastic slides to new lower channel.
 - b. If replacing upper channel, transfer vertical gearnuts to new upper channel.

NOTE: Make sure horizontal gear of lower channel and sliding surface of upper

channel are properly lubricated with "Lubriplate" (630 AAW) or equivalent.

Make sure adjusters are "in phase" prior to installing seat assembly into body (See step 6 under "Front Seat Assembly - Removal and Installation").

Check operation of seat to limits of both horizontal and vertical travel.

HORIZONTAL AND VERTICAL DRIVE CABLES—"B-C&E" Body

Removal and Installation

1. Remove front seat assembly from body with attached adjusters, motor and transmission and place upside down on a clean protected surface.
2. Detach both horizontal and vertical cables from seat adjuster.

3. Remove screws securing horizontal and vertical cable end plate on side of transmission from which cables are being removed (Fig. 15-16) and remove cables from seat assembly; then, disengage cables from end plate.

4. To install horizontal and vertical cables, reverse removal procedure. Make sure colored drive cables are installed to proper gearnuts and horizontal actuator as shown in Figure 15-16.

TRANSMISSION—"B-C&E" Body

Removal and Installation

1. Remove front seat assembly from body with attached adjusters, motor and transmission and place upside down on a clean protected surface.
2. Disconnect wire harness connector from transmission.

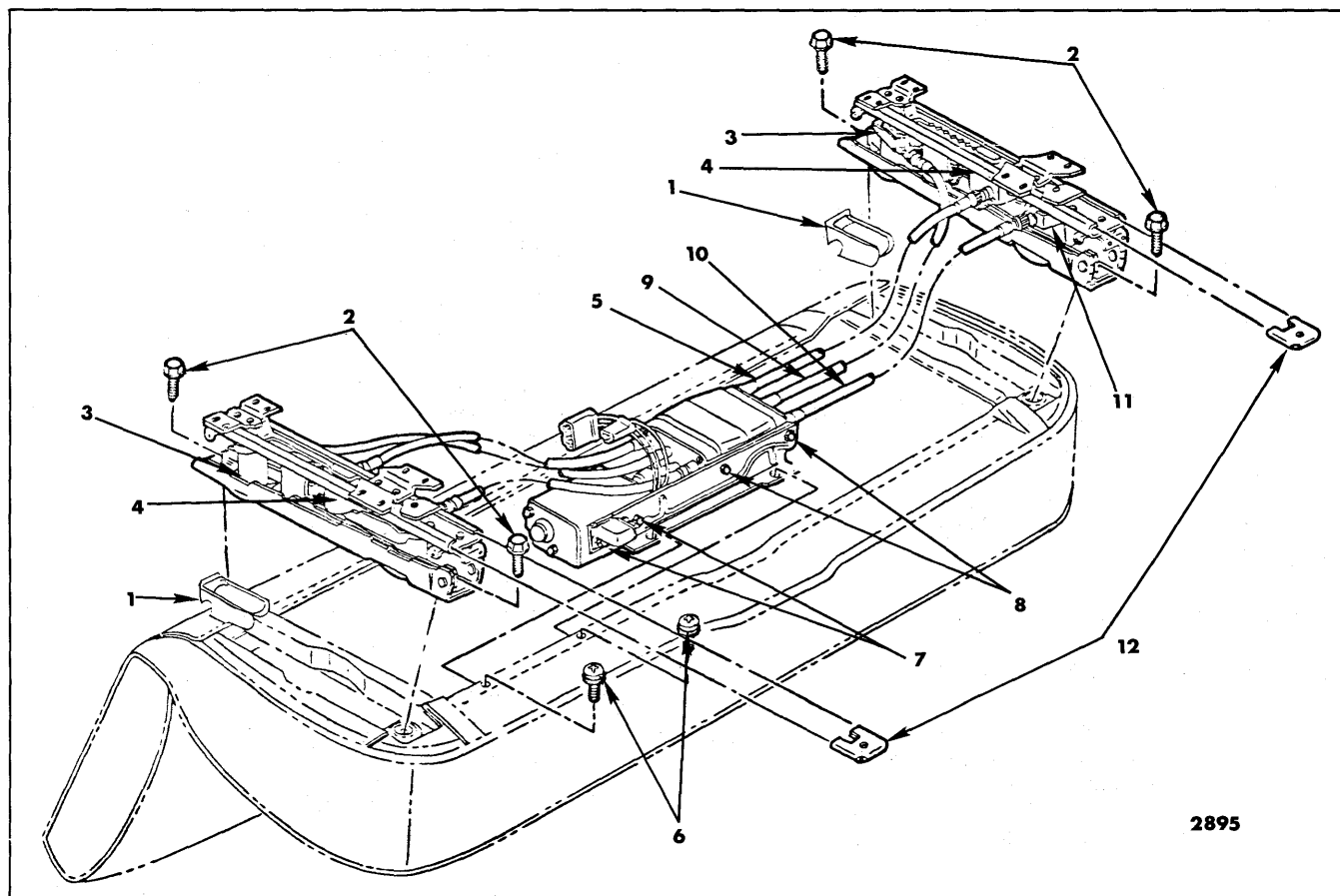


Fig. 15-16—Front Seat Assembly - Six Way - "B & C" Styles

1. Track Cover
2. Adjuster-to-Seat Attaching Bolts
3. Rear Vertical Gearnut
4. Horizontal Actuator

5. Horizontal Cables - Black
6. Motor and Transmission
7. Motor Attaching Screws
8. Transmission Attaching Screws

9. Rear Vertical Cables - Blue
10. Front Vertical Cables - Yellow
11. Front Vertical Gearnut
12. Carpet Retainers

3. Remove screws securing horizontal and vertical cable end plate on both sides of transmission and detach cables from transmission (Fig. 15-16).
4. Remove transmission to support attaching (Fig. 15-16) bolts; then, disengage transmission from motor drive coupling and remove transmission from seat assembly.
5. To install, reverse removal procedure. Make sure seat wiring harness is properly secured to seat.

DISASSEMBLY AND ASSEMBLY OF TRANSMISSION

1. Remove front seat adjuster transmission from seat assembly.
2. Remove screws securing rear gear housing to the solenoid housing; then, carefully separate housings and remove component parts of transmission assembly (Fig. 15-17).
3. To assemble transmission, reverse removal procedure.

IMPORTANT: Prior to or during installation, lubricate frictional surfaces of driving gear; thrust washer, large gears, dog washers, gear shafts and solenoid plungers with "Lubriplate" (630 AAW) or equivalent.

FRONT SEAT BACK ASSEMBLY— Four Door Style with Standard Full Width Seat

Removal and Installation

1. Remove front seat assembly from body and place it upside down on a clean protected surface. Remove seat side panels, where present.
2. Remove hog rings securing lower edge of seat back trim to seat cushion springs.
3. On "A-X & Z" body full width front seats, raise lower edge of seat back trim, detach fiberboard breakover foundation and bend out tabs on seat back frame securing seat cushion springs (Fig. 15-18). Disengage springs from tabs.
4. At each end of seat, remove hog rings securing lower edge of seat back trim to seat bottom

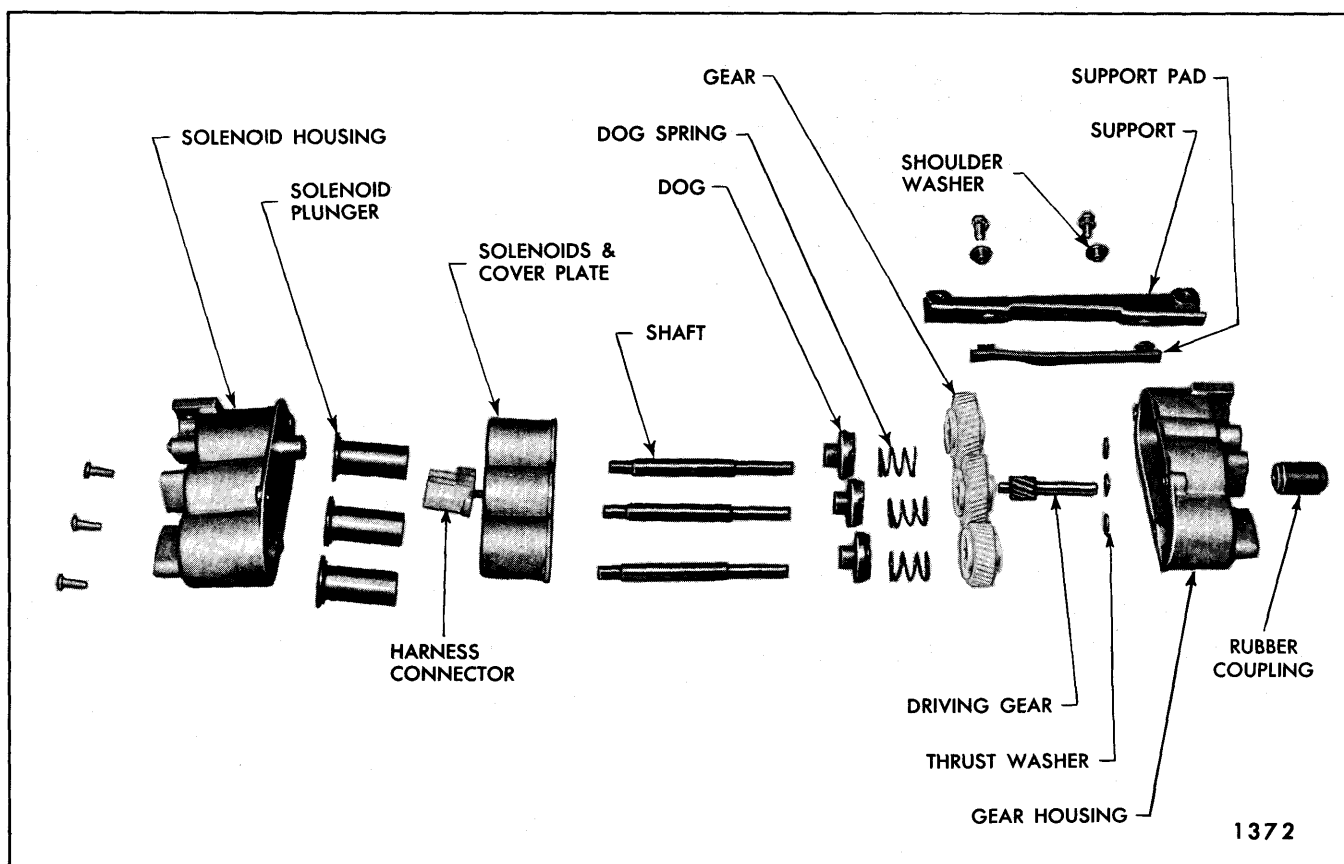


Fig. 15-17—Six-Way Seat Adjuster Transmission - "B & C" Styles

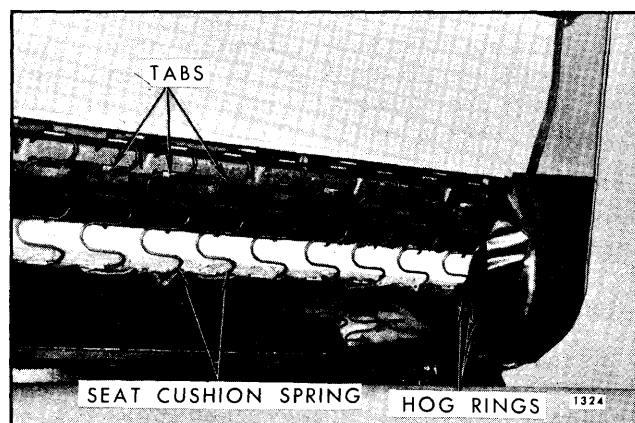


Fig. 15-18—Seat Cushion-to-Back Spring Attachment

frame. Raise or turn back seat back trim to expose bolts securing seat back frame to seat cushion frame (Fig. 15-19). Where seat back lighter or courtesy light is present, disconnect wire from seat cushion frame.

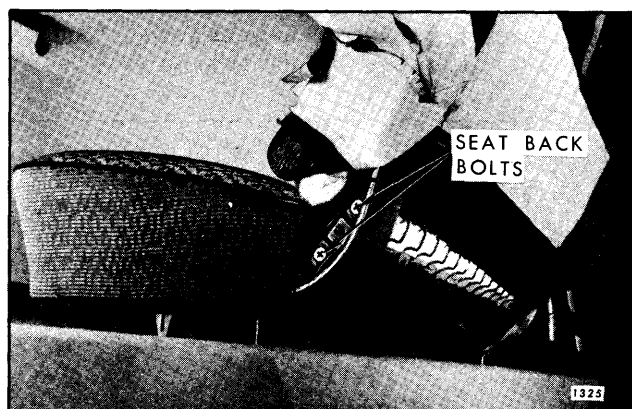


Fig. 15-19—Seat Back Attachment

5. Place seat assembly in upright position. Then with a helper holding seat back assembly, remove seat back attaching bolts on each side of seat and remove seat back assembly.

6. To install seat back assembly, reverse removal procedure.

SEAT BACK ASSEMBLY—(Right or Left) — Two Door Style with Standard Full Width Seat

Removal and Installation

1. a. On seat with seat cushion side panel, remove side panel and detach seat cushion trim sufficiently to expose outer hinge pin and retainer.

b. On seats with outer hinge arm cover, remove screw or detach fastener securing cover and remove cover.

2. Using a flat bladed tool carefully remove retainer securing seat back outer arm to hinge pin.

3. Carefully disengage seat back outer arm from hinge pin; then, tilt seat back forward and upward to disengage seat back inner arm from hinge pin and remove seat back from body.

4. To install seat back assembly, reverse removal procedure making sure washers are installed over hinge pins prior to installing seat back. If outer retainer is damaged, install new retainer.

FRONT SEAT BACK ASSEMBLY— (Right or Left)—“A” Body “39” Styles Full Width Seat with Center Arm Rest

Removal and Installation

1. Remove front seat assembly from body and place upside down on a clean protected surface. Remove seat cushion side panels.

2. Remove hog rings securing lower edge of seat cushion trim bottom facing to seat cushion springs and frame (Fig. 15-20).

3. Remove outer hinge arm cover (Fig. 15-20); then, using a flat bladed tool carefully remove retainer securing seat back outer arm to hinge pin (Fig. 15-20).

4. Turn back seat back trim to expose seat back attaching bolt access holes; then, through access holes remove seat back frame to seat cushion frame attaching bolts (Fig. 15-20).

5. Turn seat assembly right side up. Carefully disengage seat back outer arm from hinge pin; then, tilt seat back forward and upward to disengage seat back inner arm from hinge pin (Fig. 15-20) and remove seat back from body.

6. To install seat back assembly, reverse removal procedure. If seat back outer arm retainer is damaged, install new retainer.

FRONT SEAT BACK LOCK—(Right or Left)— “A-B-X&Z” Body Two-Door Styles with Standard Full Width Seats

Removal and Installation

1. Remove front seat back assembly from front seat assembly, as previously described.

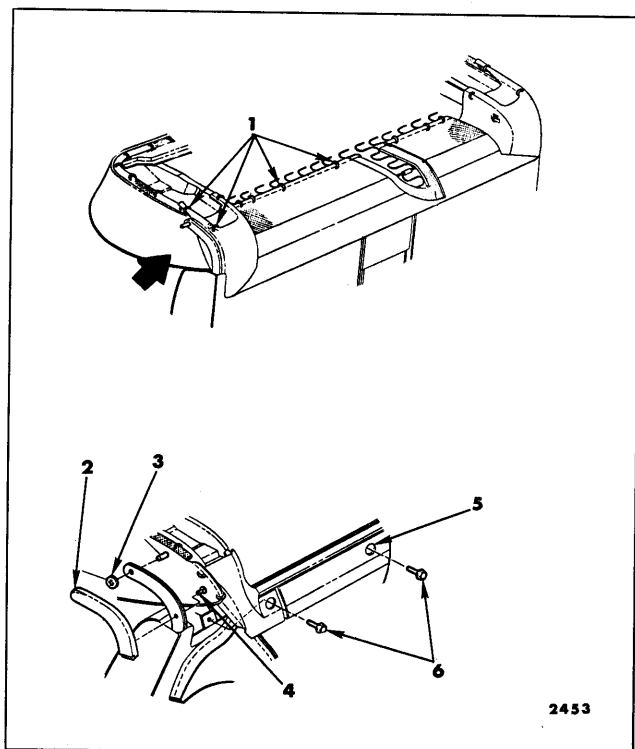


Fig. 15-20—Seat Back Removal (Right or Left) - 23739, 33839 and 44439 Styles

1. Hog Rings Securing Seat Cushion Trim Bottom Facing
 2. Seat Back Outer Arm Cover
 3. Seat Back Outer Arm Retainer
 4. Seat Back Outer Arm Cover Fastener
 5. Seat Back Attaching Bolt Access Hole
 6. Seat Back Frame to Seat Cushion Frame Attaching Bolts
2. Remove front seat back outer side panel and side panel lower support, where present.
 3. Remove seat back lock handle knob, lock handle escutcheon and lock handle (Fig. 15-21).
 4. Remove hog rings securing seat back front and rear trim facings at bottom of seat back, then, turn up trim sufficiently to gain access to lock attaching bolts (Fig. 15-21).
 5. Remove seat back lock attaching bolts (Fig. 15-21); then, remove lock assembly from bottom of seat back.
 6. To install, reverse removal procedure. Check for proper operation of seat back lock.

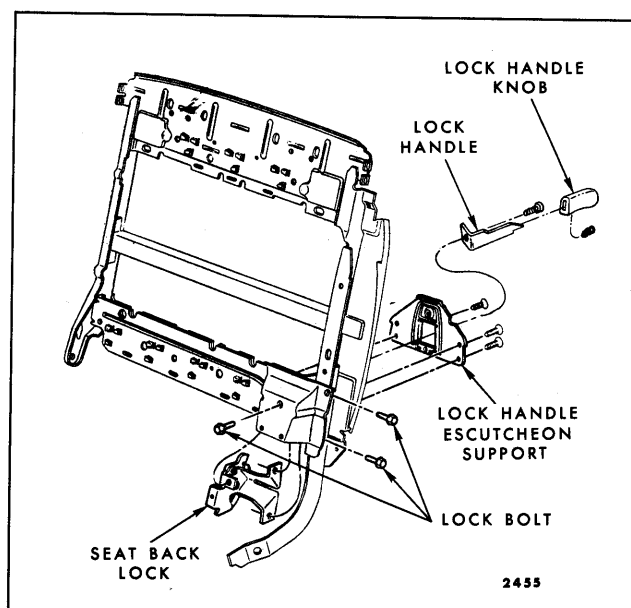


Fig. 15-21—Front Seat Back Lock - "A, B & X" Two-Door Styles, Standard Full Width Seat

FRONT SEAT BACK LOCK, LOCK CONTROL AND LOCK ROD—"C&E" Body Two-Door Styles with Standard Full Width Seat

Removal and Installation

1. Remove front seat back assembly, as previously described.
2. On style with full seat back panel, remove seat back lock push button escutcheon and remove lock push button and ferrule; then, remove seat back panel (See View "B" in Fig. 15-22). On styles with seat side panel, remove seat side panel; then, remove lock push button and ferrule (See View "A" in Fig. 15-22).
3. Remove seat back outer panel. Remove hog rings securing seat back panel or seat back trim panel along bottom and sides of seat. If removing lock, turn seat back trim sufficiently to gain access to lock attaching bolts. If removing lock control or rod, turn up trim to gain access to lock control bolts (See Fig. 15-23).
4. a. To remove seat back lock, disengage lock rod clip at lock (Fig. 15-23) and detach rod from lock. Remove lock attaching bolts (Fig. 15-23) and remove lock from bottom of seat back.
b. To remove seat back lock control, disengage lock rod clip at control (Fig. 15-23) and detach lock rod from control. Remove lock control attaching bolts (Fig. 15-23) and remove lock control from seat back.

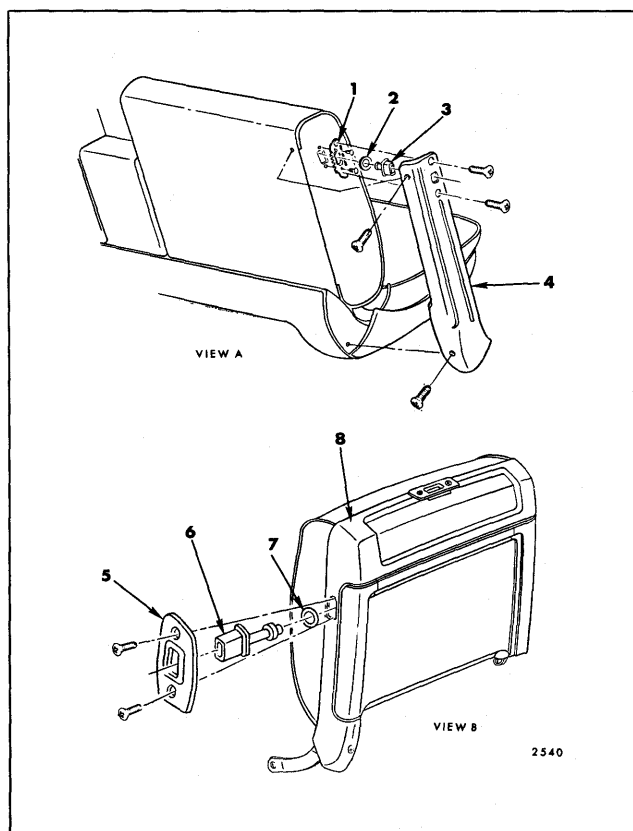


Fig. 15-22—Seat Back Lock Removal - "C & E"
Body Standard Seat

View "A" - Typical of Styles with
Seat Back Side Panels

- | | |
|------------------|----------------|
| 1. Trim Retainer | 3. Push Button |
| 2. Ferrule | 4. Side Panel |

View "B" - Typical of Styles with Seat Back Panel

- | | |
|----------------|--------------------|
| 5. Escutcheon | 7. Ferrule |
| 6. Push Button | 8. Seat Back Panel |

c. To remove lock rod, disengage lock rod clip at lock and at control (Fig. 15-23), detach lock rod from control and lock and remove lock rod from seat back.

5. To install seat back lock, lock control or lock rod, reverse removal procedure. Make certain lock rod and clips are properly engaged and locked at lock lever and lock control lever. Check for proper operation of seat back lock.

FRONT SEAT BACK HEAD RESTRAINT— Standard Full Width Seat (Driver's or Passenger's Side)

The standard full width seat back head restraint is secured by a support which is screwed to the seat back frame. The support incorporates a detent spring which allows the headrest to be raised or lowered to three different height positions. The

head restraint can be removed from the seat back for storage by pulling the headrest to the full up position; then, where the support bar enters the seat back, insert end of car key into slot in bar escutcheon and move release spring forward to allow head restraint to be removed from the seat back. Pull headrest up and remove from seat back. To remove and install the head restraint support, the seat back trim must be removed and the support-to-seat back frame screws removed.

FRONT SEAT BACK HEAD RESTRAINT SUPPORT—Standard Full Width Seat (Driver's or Passenger's Side)

The front seat back head restraint support for the standard front seats consist of a support and support upper extension secured to the seat back frame by screws (Fig. 15-24). To remove the support and support upper extension, it is necessary to detach or remove the seat back trim assembly to gain access to the support attaching screws.

FRONT SEAT CENTER ARM REST AND CURTAIN ASSEMBLY—Front Seat with Standard Full Width Seat Back

Removal and Installation

1. Place center arm rest in down position.
2. At top of arm rest curtain, remove hog rings securing curtain to flange of support plate (Fig. 15-25) and pull curtain forward to expose screws securing arm rest to support linkage.
3. Remove arm rest-to-support linkage screws (Fig. 15-25) and remove arm rest and curtain from seat.
4. To install, reverse removal procedure.

ARM REST AND SUPPORT ASSEMBLY— Front Seat with Standard Full Width Seat Back

Removal and Installation

1. Place center arm rest in down position.
2. At top of arm rest curtain, remove hog rings securing curtain to flange of support plate (Fig. 15-25).
3. Remove two screws securing arm rest to supports on seat back (Fig. 15-25); then, carefully lift arm rest and linkage upward to disengage hooks of arm rest from slots in supports and remove assembly from seat.

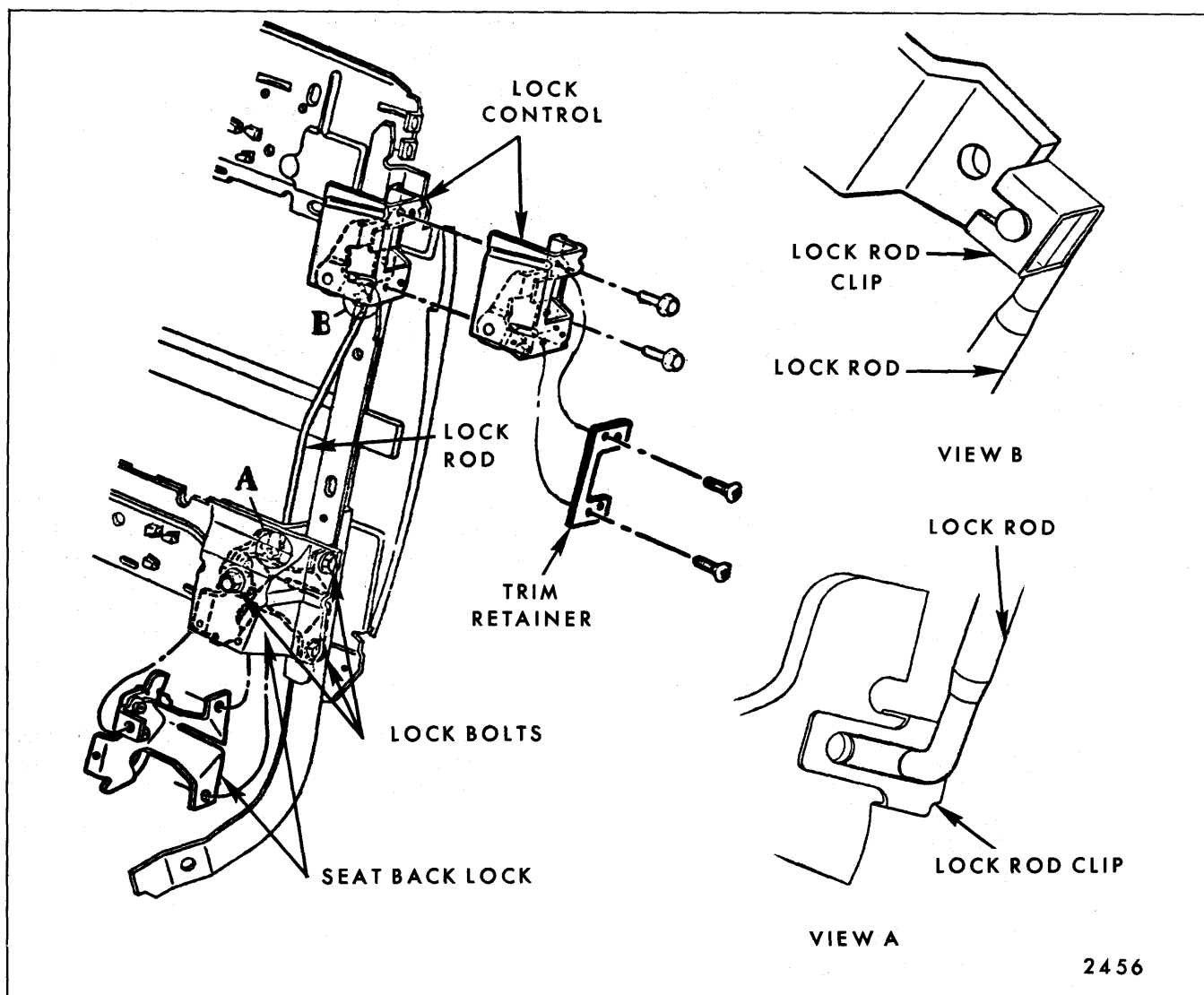


Fig. 15-23—Front Seat Back Lock - "C & E" Body Two-Door Styles, Standard Full Width Seat

4. To install, reverse removal procedure. Prior to installing curtain screws check alignment and operation of arm rest.

FRONT SEAT CENTER ARM REST AND CURTAIN ASSEMBLY—Front Seat with Notch Down Seat Back and Strato Front Seat

Removal and Installation

1. Lower arm rest to within approximately 2 inches of full down position.
2. Carefully pull curtain back sufficiently to remove screws securing center arm rest to support linkage and loosen outer screws securing curtain retainer to arm rest (Fig. 15-26).

3. Remove screw finishing covers (Fig. 15-26). Disengage arm rest from support linkage and turn arm rest upside down on trim panel finishing cover with curtain retainer to trim panel finishing cover (Fig. 15-26); then, remove arm rest and curtain from seat.

4. To install, reverse removal procedure.

FRONT SEAT CENTER ARM REST ASSEMBLY—Front Seat with Notch Down Seat Back and Strato Front Seat

Removal and Installation

1. Place arm rest in up position.

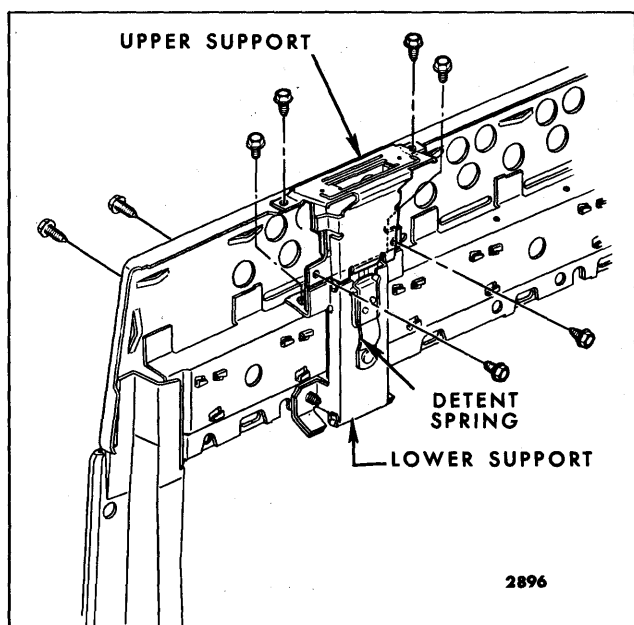


Fig. 15-24—Front Seat Back Standard Head Restraint Support

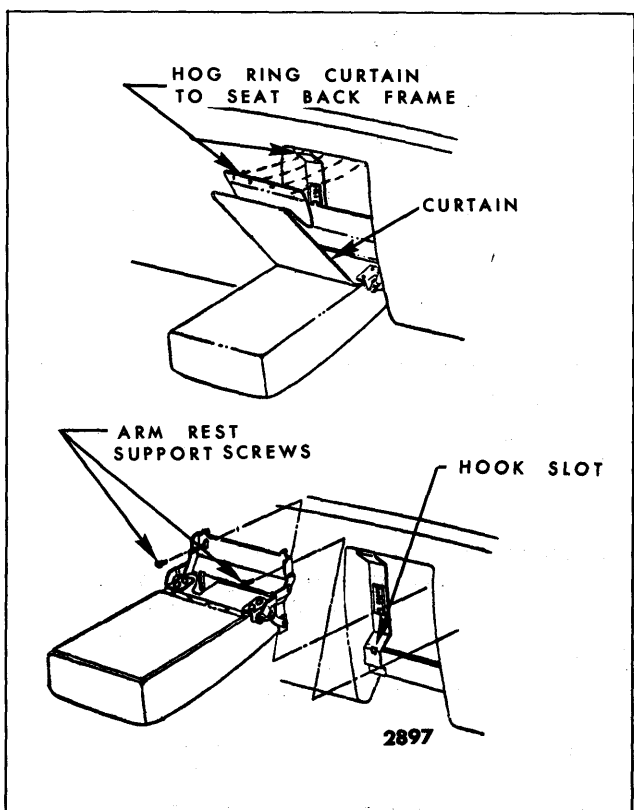


Fig. 15-25—Front Seat Back Center Arm Rest

2. Working between arm rest and seat back, remove fastener at both sides of arm rest securing front end of screw finishing covers (Fig. 15-26).

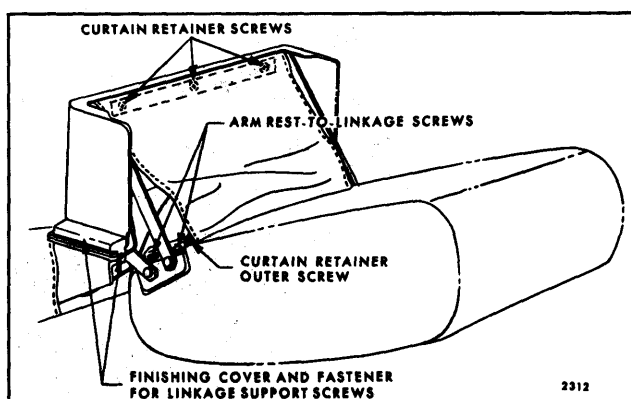


Fig. 15-26—Front Seat Center Arm Rest (Notch Down Seat Back)

3. Working at rear of seat, push one seat to full forward position. Carefully pull up front of screw finishing cover sufficiently to expose arm rest support attaching screws; then, remove screws (Fig. 15-27). Repeat this operation on opposite side of arm rest; then, carefully remove arm rest assembly, including trim panel finishing cover, from seat.

NOTE: If washers are present between arm rest support and supports on seat (Fig. 15-27), note location and number of washers used to

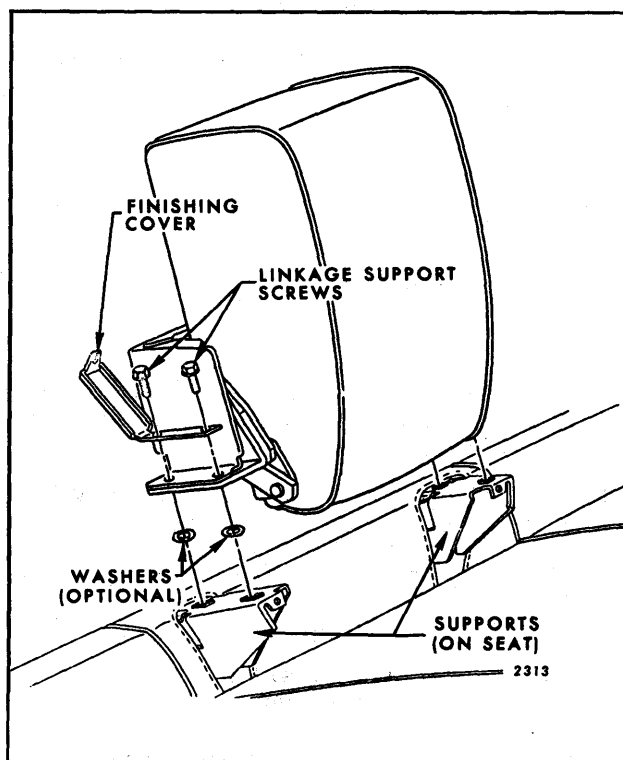


Fig. 15-27—Front Seat Center Arm Rest Support (Notch Down Seat Back)

facilitate installation in same position. Washer(s) are used to align arm rest to front seat back(s).

4. To install, reverse removal procedure. Prior to bending down screw finishing covers check alignment and operation of arm rest. Where necessary to align arm rest with seat back(s) install washer(s), as required, between arm rest support and supports on seat (See Fig. 15-27).

FRONT SEAT CENTER ARM REST SUPPORT—Front Seat with Notch Down Seat Back and Strato Front Seat

Removal and Installation

1. Remove center arm rest assembly.
2. Remove screws securing arm rest to support from arm rest, finishing cover and curtain.

3. To install, reverse removal procedure. Prior to bending down support screw finishing covers check alignment and operation of arm rest. Where necessary to align arm rest with seat back(s), install washer(s), as required, between arm rest support and supports on seat (See Fig. 15-27).

FOOT REST ASSEMBLY— Cadillac 68169 Style

The folding foot rest assemblies shown in Figure 15-28 are secured to the seat back by hinges. To remove foot rest assembly, remove hinge-to-seat back attaching screws from both sides of foot rest (Fig. 15-28) and remove foot rest assembly from seat back. To remove trimmed foot rest board remove hinge-to-board attaching screws (Fig. 15-28) and remove hinges from foot rest board. To install, reverse removal procedure. When installing foot rest hinge-to-seat back attaching screws, install machine thread screws to upper attaching hole at each hinge.

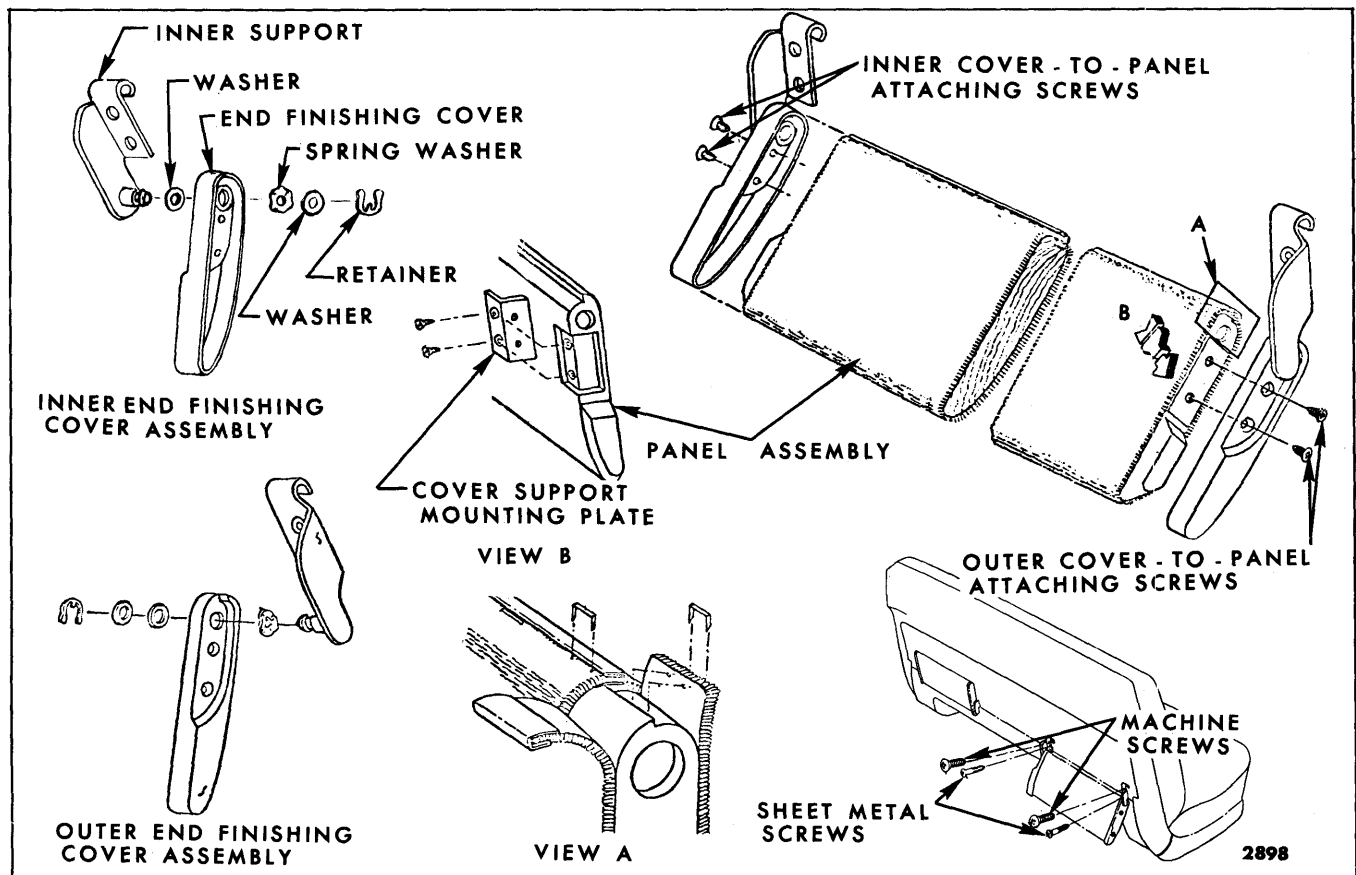


Fig. 15-28—Foot Rest Assembly - Cadillac 68169 Style

STRATO FRONT SEATS

STRATO FULL-WIDTH, STRATO BUCKET AND STANDARD BUCKET SEATS

Description

Strato seats are available on Chevrolet "A, B & X", Pontiac, Oldsmobile, Buick and Cadillac Styles. Chevrolet "F & Z" and Pontiac "F" body styles have a standard bucket seat. All two-door style strato full-width or bucket seats and standard bucket seats incorporate seat back locks on both the driver's and passenger's seat back. On Chevrolet "F & Z" standard bucket seats the seat back lock is actuated by a control lever located at the lower outboard corner on the rear of the front seat back. On the standard strato seats (two-door styles) the seat back lock is actuated by a control button located at the upper outer side of the seat back.

Optional adjustable head rests are available on all strato seats. On Pontiac, Oldsmobile, Buick and Cadillac styles, a reclining seat back is available on the passenger's side. The reclining seat back is operated by a control lever located at the right side of the seat cushion. When the control lever is pulled upward the seat back can be reclined to any desired position to approximately 30° from normal position. The head rest, which is available on all strato seat backs can be adjusted to four vertical positions and can be completely removed from the seat back.

STRATO FULL-WIDTH FRONT SEAT ASSEMBLY

Removal and Installation

The removal and installation procedures for the strato full width seat assembly, seat adjuster and seat adjuster components are the same as for the standard full width front seat assembly - Refer to the appropriate section under "Front Seat Assembly - Full Width".

MANUALLY OPERATED BUCKET SEAT ASSEMBLY

Removal and Installation

1. Operate seat to full rearward position.
2. Turn back floor carpeting sufficiently to expose seat adjuster-to-floor pan attaching nuts or bolts (Figs. 15-29 and 15-30).
3. Operate seat to full rearward position. Remove adjuster-to-floor pan front attaching bolts or nuts (Figs. 15-29 and 15-30). Operate seat to full forward position. Remove adjuster-to-floor

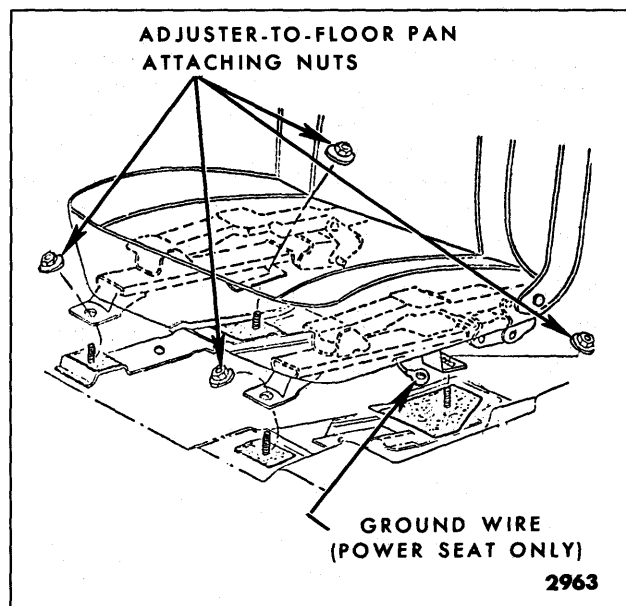


Fig. 15-29—Bucket Seat Floor Pan Attachment - "A, F, X & Z" Styles

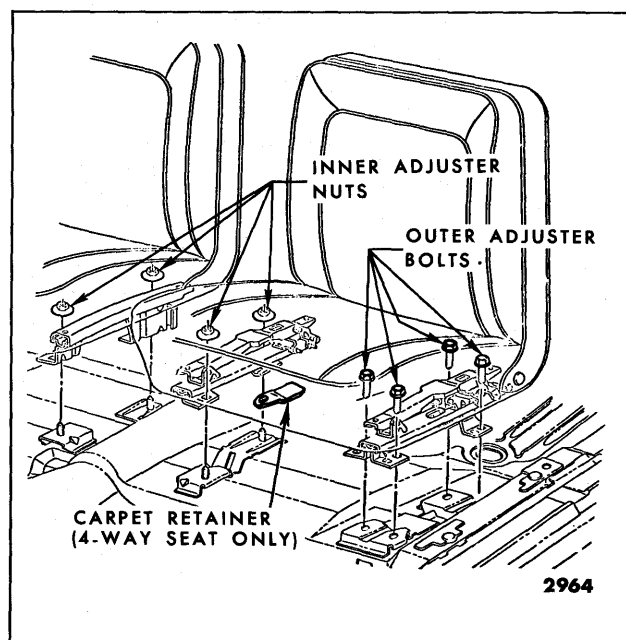


Fig. 15-30—Front Seat Assembly Attachments

pan rear attaching bolts or nuts and remove seat assembly from body.

4. To install, reverse removal procedure. Check operation of seat adjusters to full limits of travel.

POWER OPERATED HORIZONTAL OR FOUR-WAY BUCKET SEAT ASSEMBLY

The two-way and four-way (tilt) seat adjusters are actuated by a 12 volt, reversible shunt wound motor with a built-in circuit breaker.

The four-way seat adjuster operating mechanism incorporates a transmission assembly which includes two solenoids and two drive cables leading to the seat adjusters. One solenoid controls the vertical movement of the seat while the other solenoid controls the horizontal movement of the seat. When the control switch is actuated, the motor drives the transmission by means of a belt and one of the transmission solenoids are energized simultaneously. The solenoid plunger then engages with the drive cables and operates both adjusters. When the adjusters reach their limit of travel, the drive cables stop their rotating action and torque is absorbed by the rubber belt connecting the motor and transmission. When the switch contacts are opened, a return spring returns the solenoid plunger to its original position disengaging it from the driver gear dog.

Removal and Installation

1. Operate seat to full forward position. On four-way power seats operate seat to full up position. Remove seat cushion side panels, where present. Where seat adjuster track covers are present, carefully pry out track cover snap-on retainers with a flat-bladed tool and remove track covers.
2. Where necessary, remove sill plates and turn back floor carpeting to expose seat adjuster-to-floor pan attaching nuts and bolts.
3. Remove seat adjuster-to-floor pan rear attaching bolts (Figs. 15-29 and 15-30).
4. Operate seat to full rearward position. Remove seat adjuster-to-floor pan front attaching bolts (Figs. 15-29 and 15-30). Tilt seat rearward sufficiently to disconnect seat harness feed connector and detach harness from clip on floor pan; then remove seat assembly from body.
5. To install, reverse removal procedure. Make sure ground wire is secured under adjuster inboard rear attaching nut or bolt. Check operation of seat adjusters to full limits of travel. On "A" Body Styles make sure floor carpet is properly positioned around rear supports of adjuster prior to installing carpet retainer on adjuster stud and adjuster rear attaching nuts.

PASSENGER'S FRONT BUCKET SEAT BACK STOP CABLE—Chevrolet "F&Z" Styles with Bucket Seats

Removal and Installation

1. Using a flat-bladed tool inserted between passenger's seat back inner hinge arm cover and hinge arm, carefully disengage upper portion of cover from fastener and remove cover from inner hinge arm (Fig. 15-31).

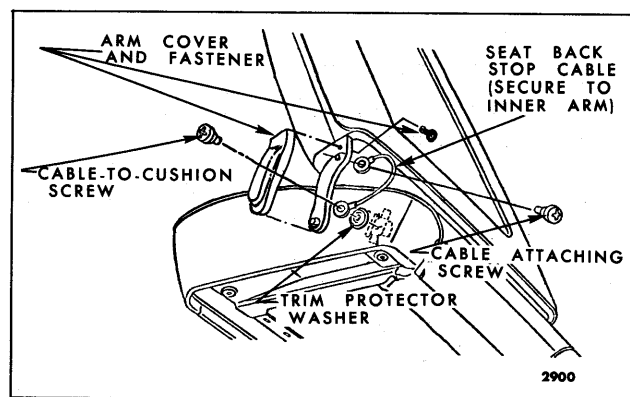


Fig. 15-31—Bucket Seat Back Stop Cable
"F & Z" Styles

2. At inner side of passenger's bucket seat cushion, remove screw securing seat back stop cable and trim protector washer to seat cushion frame (Fig. 15-31).
3. Remove bolt securing seat back stop cable to seat back inner hinge arm (Fig. 15-31) and remove cable from seat.
4. To install seat back stop cable, reverse removal procedure.

FRONT BUCKET SEAT BACK ASSEMBLY (Right or Left)—Standard Bucket Seat—"F&Z" Styles

Removal and Installation

1. Remove front seat assembly as previously described.
2. Using a flat-bladed tool inserted between seat back hinge arm and hinge arm cover, carefully disengage upper portion of cover from fastener and remove cover from both inner and outer hinge arms (See Fig. 15-31). If removing passenger's seat back on Chevrolet "F & Z" styles, remove screw securing seat back stop cable and trim protector washer to seat cushion frame (Fig. 15-31).

3. Carefully disengage and remove retainer securing both inner and outer hinge arms to seat cushion hinge pins (Fig. 15-31).
4. Pull seat back hinge arms outward sufficiently to disengage hinge arm from hinge pin and remove seat back from seat cushion.
5. To install, reverse removal procedure.

FRONT SEAT BACK LOCK (Right or Left)—"F&Z" Body Standard Bucket Seats

Removal and Installation

1. Remove front seat back assembly, as previously described.
2. Remove seat back lock handle knob (See Fig. 15-32).

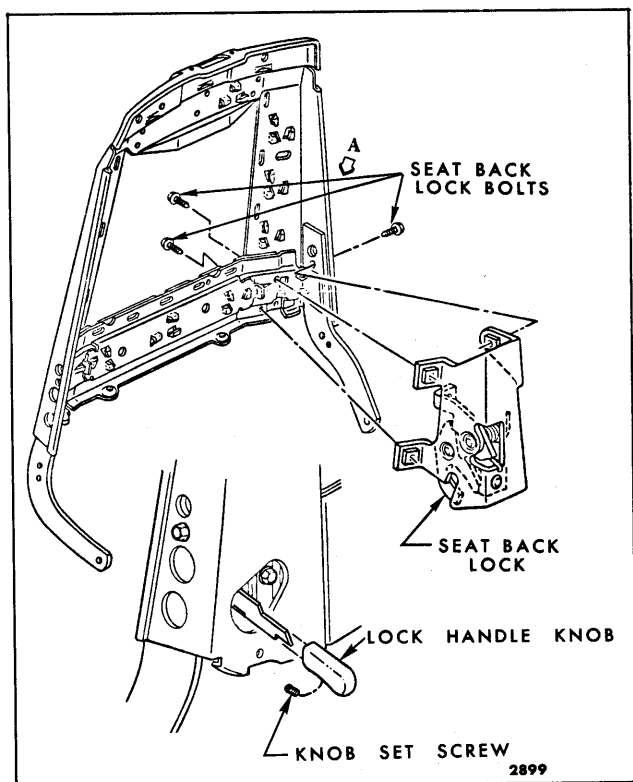


Fig. 15-32—Front Seat Back Lock - "F & Z"
Standard Bucket Seats

3. Remove seat back panel and detach seat back trim outer side facing sufficiently to gain access to lock attaching bolts (Fig. 15-32).
4. Remove seat back lock attaching bolts (Fig. 15-32) and remove seat back lock from seat back.

5. To install, reverse removal procedure. Check for proper operation of seat back lock.

"STRATO" FRONT SEAT BACK ASSEMBLY (Right or Left)—Full Width Seat—All Styles (Except 16639 Style)

Removal and Installation

1. Remove front seat assembly as described under, "Full Width Front Seat Assembly - Removal and Installation."
2. At side of seat from which seat back is being removed, remove hog rings securing cushion side trim at rear of seat and fold trim forward sufficiently to expose two seat back outer attaching bolts (Fig. 15-33).

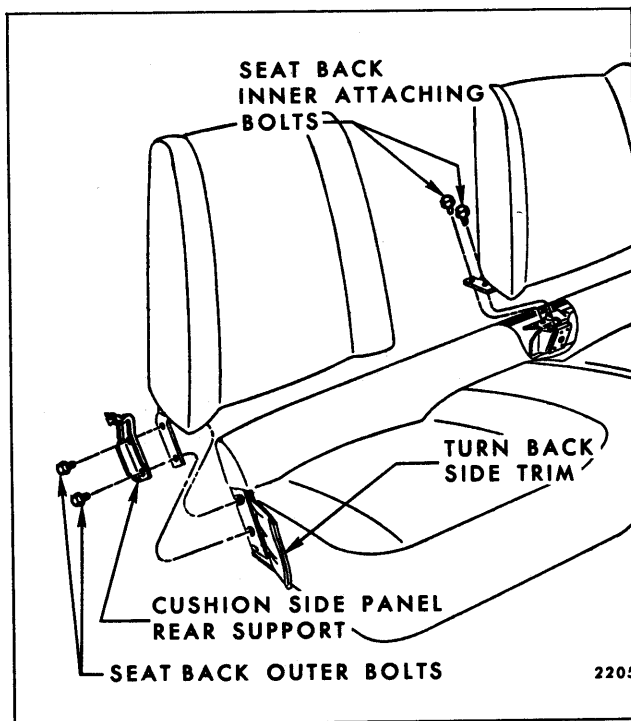


Fig. 15-33—Strato Full Width Seat Back Attachment

3. At inboard side of seat back, remove screw securing inner attaching bolt cover plate and remove cover plate.
4. Remove seat back inner attaching bolts; then, remove outer attaching bolts and remove seat back assembly from seat.
5. To install seat back assembly, reverse removal procedure. Make certain seat side panel support (Fig. 15-33) is secured under seat back outer attaching bolts.

"STRATO" FRONT SEAT BACK ASSEMBLY (Right or Left)—Full Width Seat— 16639 Style

Removal and Installation

1. Remove seat assembly from body, as previously described, and place seat right side up on a clean surface.
2. Remove seat side panel on side from which seat back is being removed. Remove hog rings securing seat cushion trim side facing at rear of seat and turn side facing forward sufficiently to expose seat back outer arm attaching bolts (Fig. 15-33).
3. Using a suitable open end wrench between seat back and seat cushion, at location "A", remove nut locking seat back at inner hinge (See View "A", Fig. 15-34).

4. Remove seat back outer arm attaching bolts (Fig. 15-33).

5. Carefully tilt seat back forward. Remove inner hinge bolt cover plate. Remove inner hinge bolts (Fig. 15-34) and carefully remove seat back from seat assembly.

6. To install, reverse removal procedure.

NOTE: It is important that removal procedure is reversed step by step when installing seat back assembly.

STRATO FRONT SEAT BACK PANEL— Four-Door Styles with Non-Folding Seat Back

Removal and Installation

1. Remove front seat assembly and front seat back assembly as previously described.

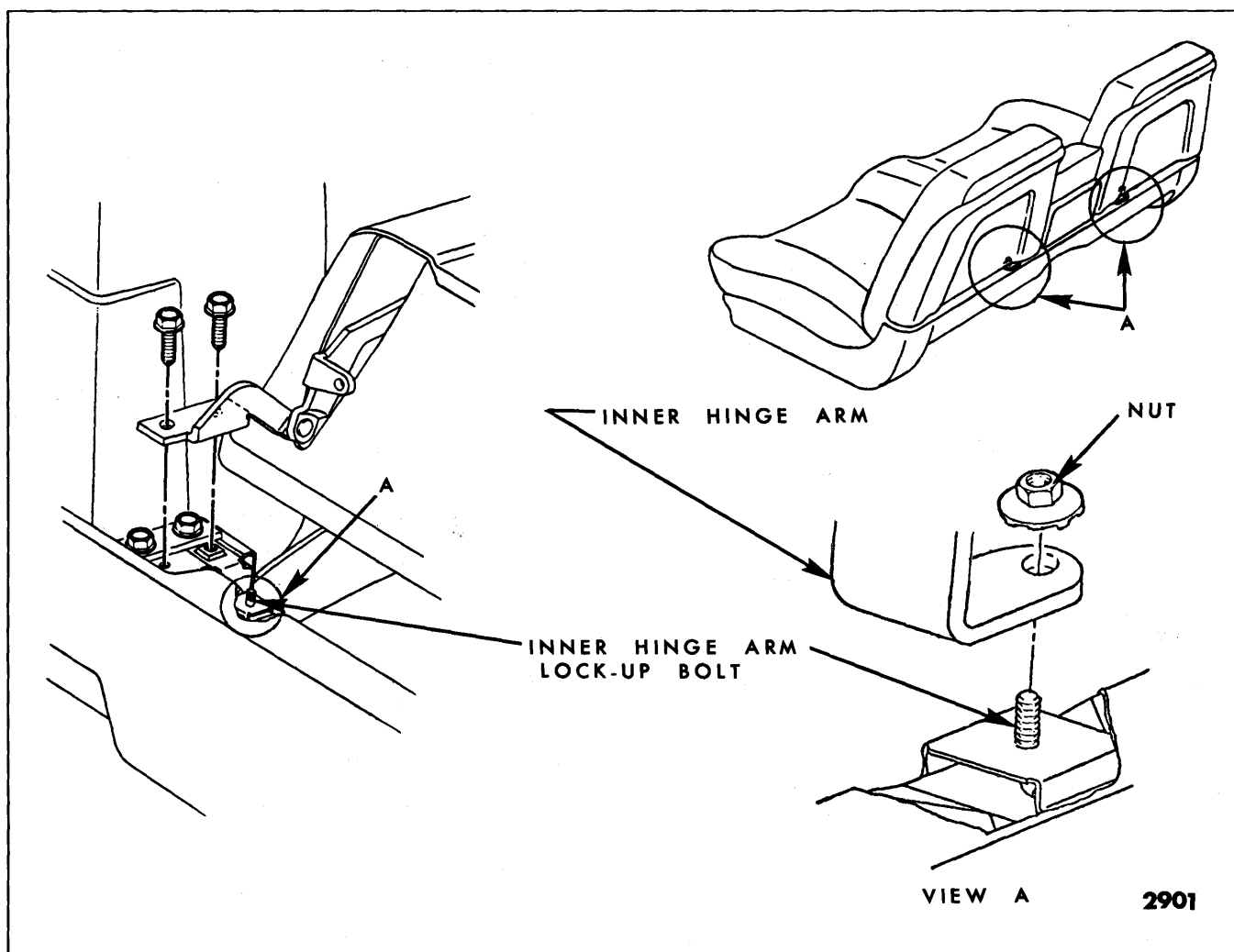


Fig. 15-34—Strato Front Seat Back Assembly (Right or Left) Full Width Seat - 16639 Styles

2. Remove three screws securing bottom of seat back panel to seat back frame (Fig. 15-35).

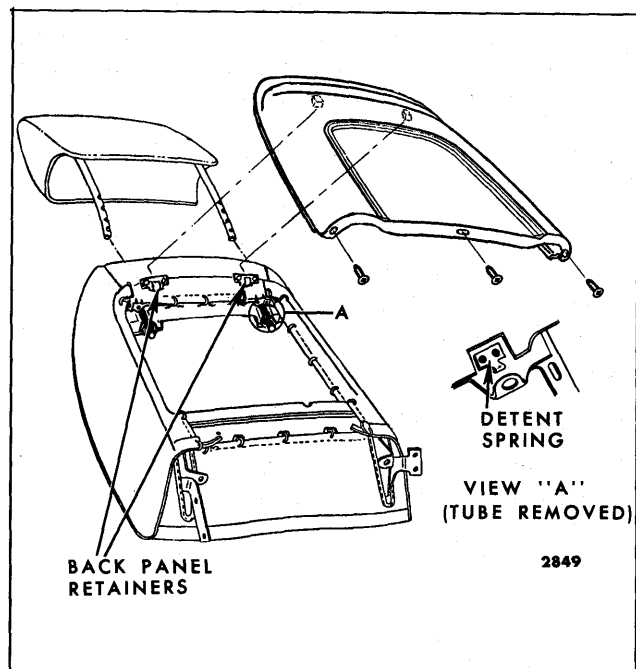


Fig. 15-35—Strato Seat Back Panel and Head Restraint

3. Pull bottom of seat back panel outward and lift panel upward to disengage panel from upper retainers; then, remove panel from seat back.
4. To install seat back panel, reverse removal procedure.

STRATO FRONT SEAT BACK PANEL— Two-Door Styles with Folding Seat Back

Removal and Installation

1. Remove seat back lock push button escutcheon attaching screws and remove push button escutcheon, push button and ferrule (Fig. 15-36).
2. If seat back is equipped with head rest, depress retaining springs and remove head rest from seat back.
3. Tilt seat back forward and remove two screws securing bottom of seat back panel to seat back frame.
4. Pull bottom of seat back panel outward and lift panel upward to disengage panel from upper retainers; then, remove panel from seat back.
5. To install seat back panel, reverse removal procedure.

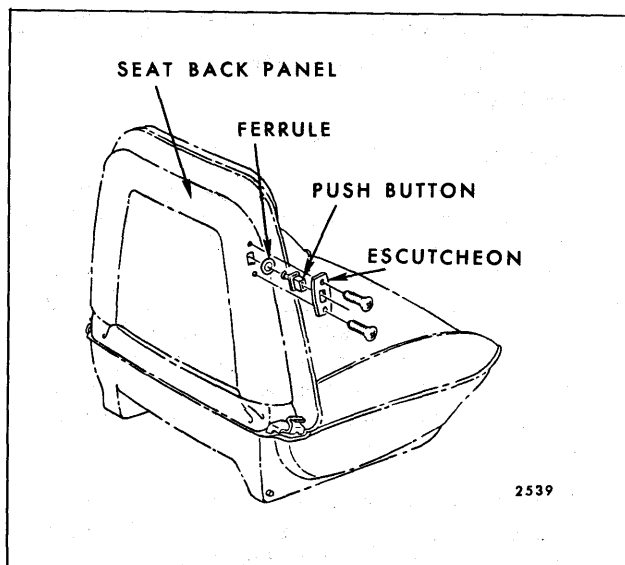


Fig. 15-36—Strato Seat Back Lock Push Button

STRATO SEAT BACK HEAD RESTRAINT

Description

All reclining seat backs are equipped with a head restraint which is adjustable to four different positions. The Strato head restraint is also available as an option on all Strato design seats on either the driver's or passenger's seat back. When desired, the head restraint can be removed from the seat back as follows:

Raise headrest to full "up" position. Where the right support bar enters the seat back, insert end of car key into slot in bar escutcheon and move release spring forward to allow headrest to be removed from the seat back (See Fig. 15-37).

STRATO SEAT BACK HEAD RESTRAINT SUPPORT GUIDE TUBE AND DETENT SPRING

Removal and Installation

1. Remove headrest assembly from seat back. Remove seat back panel.
2. Carefully snap off support finishing escutcheon and remove support escutcheon retainer attaching screws (Fig. 15-38).
3. Detach seat back trim cover sufficiently to expose upper end of support guide tube.
4. Pull plastic support guide tube out of support. If guide tube hangs up on detent spring, insert a screwdriver into guide tube and depress detent spring sufficiently to remove guide tube.

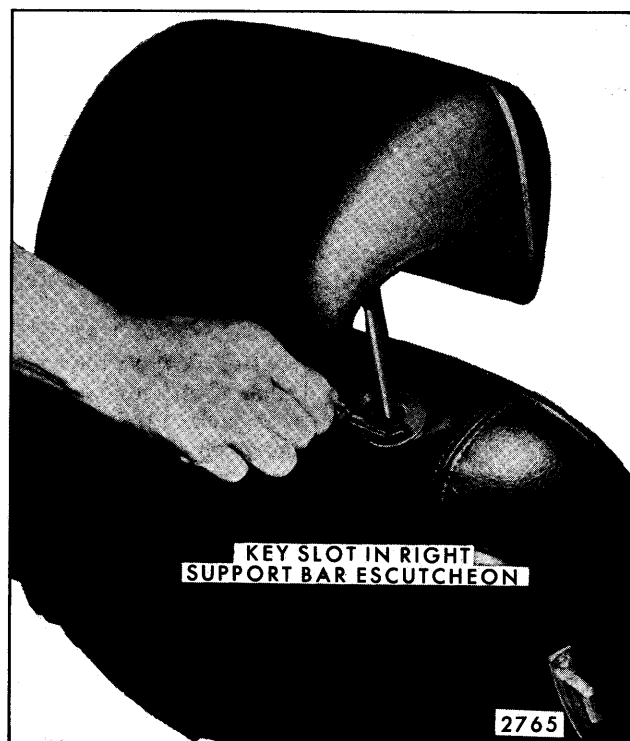


Fig. 15-37—Strato Seat Head Restraint Removal

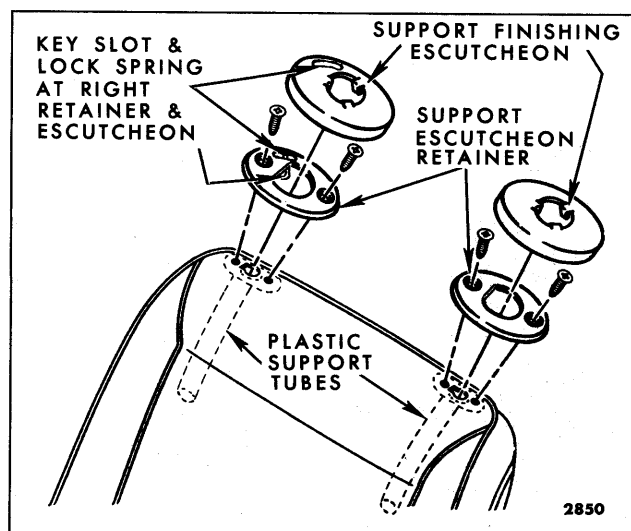


Fig. 15-38—Head Restraint Support Retainer and Escutcheon

With guide tube removed, detent spring may be removed (See Fig. 15-35).

5. To install support guide tube, reverse removal procedure. Make certain lower end of plastic guide is inserted into hole in button of support and that cut out in guide for detent spring is facing forward. Check for proper operation of headrest.

STRATO BUCKET SEAT BACK ASSEMBLY— All Except "F&Z" Body Styles and Strato Reclining Seat Back

Removal and Installation

1. Remove seat assembly from body, as previously described and place on a clean protected surface.
2. With seat side panels removed, remove hog rings securing seat cushion trim at rear of seat and along bottom of seat and turn back trim sufficiently to expose seat back hinge-to-seat cushion frame attaching bolts (Fig. 15-39).

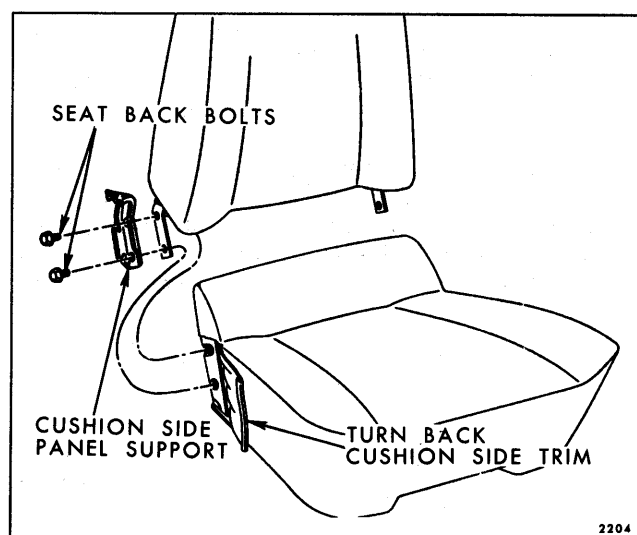


Fig. 15-39—Bucket Seat Back Removal (Without Reclining Seat Back) - All Except Corvair

3. Remove seat back hinge-to-seat cushion frame attaching bolts (Fig. 15-39) from both sides of seat and remove seat back assembly from seat cushion.
4. To install seat back assembly, reverse removal procedure. Check for proper operation of seat back lock.

STRATO FRONT SEAT BACK LOCK, LOCK CONTROL AND LOCK ROD— (Two-Door Style Full Width Strato Seat and Strato Bucket Seats Except Reclining Strato Seat Backs)

Removal and Installation

1. Remove front seat assembly and front seat back assembly, as previously described. Remove seat back panel as previously described.

2. Remove hog rings securing seat back trim to seat back side bar; then, turn back trim sufficiently to gain access to seat back lock and lock striker attaching bolts (Fig. 15-40).
3. a. To remove seat back lock, disengage lock rod clip at lock (Fig. 15-40) and detach rod from lock. Remove bolts securing seat back lock to seat back outer hinge (Fig. 15-40) and remove lock from seat.
- b. To remove seat back lock control, disengage lock rod clip at control (Fig. 15-40) and detach lock rod from control. Remove lock control attaching bolts (Fig. 15-40) and remove lock control from seat back.
- c. To remove seat back lock rod, disengage lock rod clip at lock and at control (Fig. 15-40), detach lock rod from control and lock and remove from seat back.
4. To install seat back lock, lock control or lock rod, reverse removal procedure. Make certain lock rod and clips are properly engaged and locked at lock lever and lock control lever. Check for proper operation of seat back lock.

RECLINING FRONT SEAT BACK

Description

The reclining seat back which is available on the passenger seat of the Strato design front seats can be reclined approximately 30 degrees from the normal seat back position. The reclining unit is a friction operation mechanism and is actuated by a control handle and cable at the right side of the seat.

When the control handle is pulled upward the control cable unlocks the reclining positioning unit in the seat back allowing the seat back to be reclined, by means of rearward pressure on the seat back, to a maximum of approximately 30 degrees or until the control handle is released. When the control handle is released the reclining positioning unit is locked and will not allow the seat back to be reclined further. When the control handle is pulled up and there is no rearward pressure on the seat back, the assist spring in the reclining positioning unit will return the seat to the normal position or to a position at which the handle is released. The friction mechanism of the positioning unit will allow the seat back to be moved forward to the normal

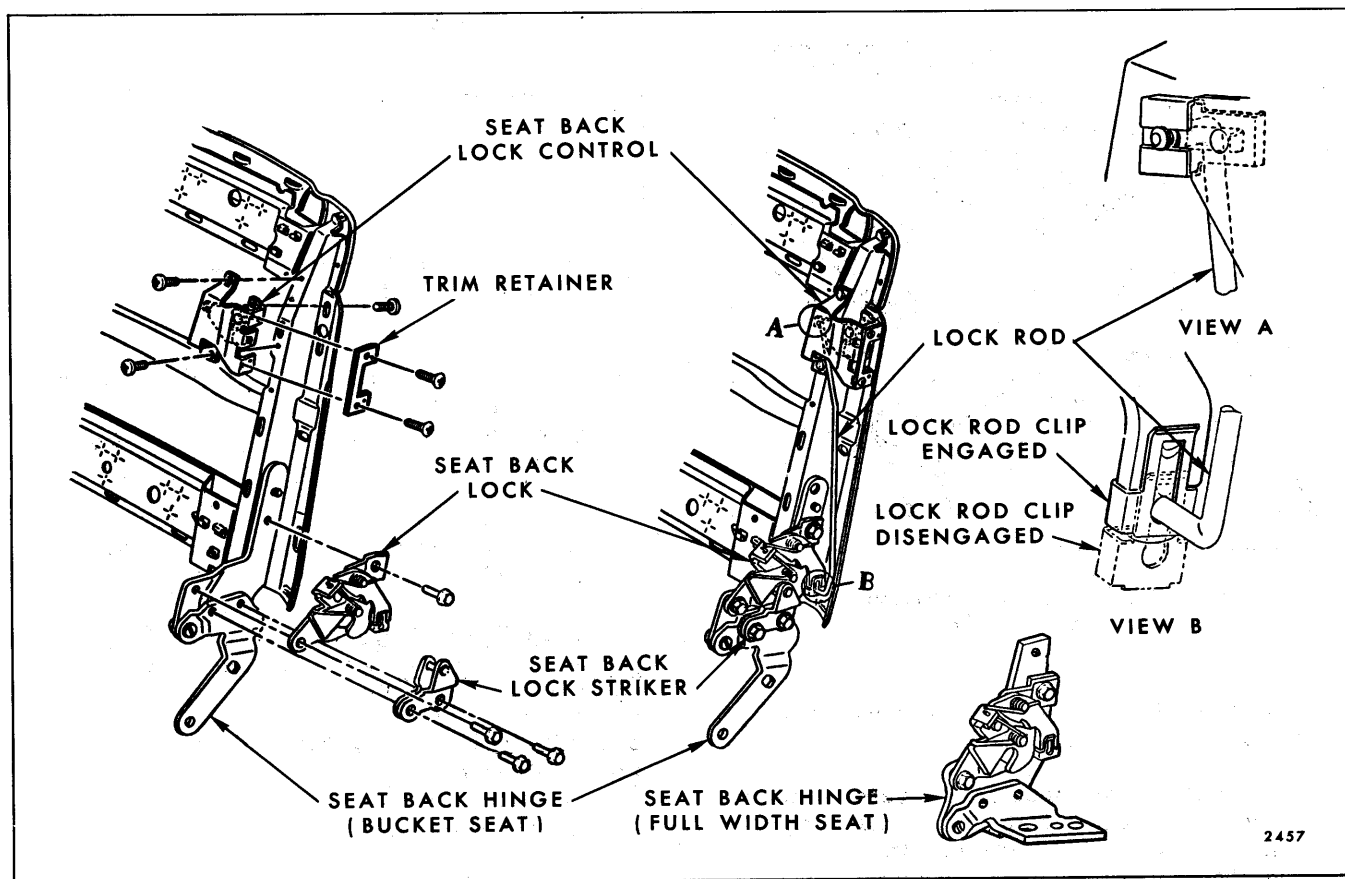


Fig. 15-40—Seat Back Lock, Lock Control and Lock Rod - Strato Full Width and Bucket Seats

position with approximately four pounds manual forward push at the top of the seat back. This "dress-up" feature allows the driver or passenger to return a reclined seat back to its normal position without having to operate the control handle.

RECLINING SEAT BACK ASSEMBLY

Removal and Installation

1. Remove seat assembly from body, as previously described, and place on a clean protected surface.
2. On right side of seat with seat side panel removed, remove hog rings securing cushion trim at rear of seat and along bottom of seat and turn back trim sufficiently to expose seat back attaching bolts and reclining control cable attachment at handle control lever (Fig. 15-41).
3. Detach reclining positioning unit control cable from handle control lever; then, pull control cable through cable guide and through grommet in cushion trim (Fig. 15-41).
4. a. On reclining bucket seat remove hog rings securing cushion side trim facing on inboard side of seat and turn trim forward sufficiently to expose seat back attaching bolts. Then remove seat back attaching bolts from both sides of seat and remove seat back assembly from seat.
- b. On reclining full width seat, remove screw at inboard side of seat back securing seat back attaching bolt cover plate and remove cover plate. Remove seat back inner attaching bolts; then, remove seat back outer attaching bolts and remove seat back assembly from seat.
5. To install seat back assembly, reverse removal procedure. Make certain side panel support (Fig. 15-41) is secured under seat back outer attaching bolts.

RECLINING SEAT BACK POSITIONING UNIT

Removal and Installation

1. Remove seat assembly from body, as previously described, and place on a clean protected surface.
2. On right side of seat with seat cushion side panel removed, remove hog rings securing cushion trim at rear of seat and along bottom of seat and turn back trim sufficiently to expose reclining control cable attachment at handle control lever (Fig. 15-41).

3. Remove seat back panel as described under "Strato Front Seat Back Panel - Removal and Installation".
4. Remove hog rings securing right side of seat back trim to seat back frame and turn trim forward sufficiently to expose positioning unit (Fig. 15-41).
5. Detach reclining positioning unit control cable from handle control lever; then, pull control cable through cable guide and through grommet in cushion trim (Fig. 15-41).
6. Using a suitable size drift punch carefully drive out roll pins securing positioning unit to support on seat back frame and to seat back hinge (Fig. 15-41); then remove positioning unit from seat back.

IMPORTANT: If roll pins do not drive out easily use a suitable back up to prevent possible damage or breakage of the positioning unit or mounting brackets.

RECLINING SEAT BACK LOCK STRIKER, AND SEAT BACK LOCK—Strato Full Width or Bucket Seat

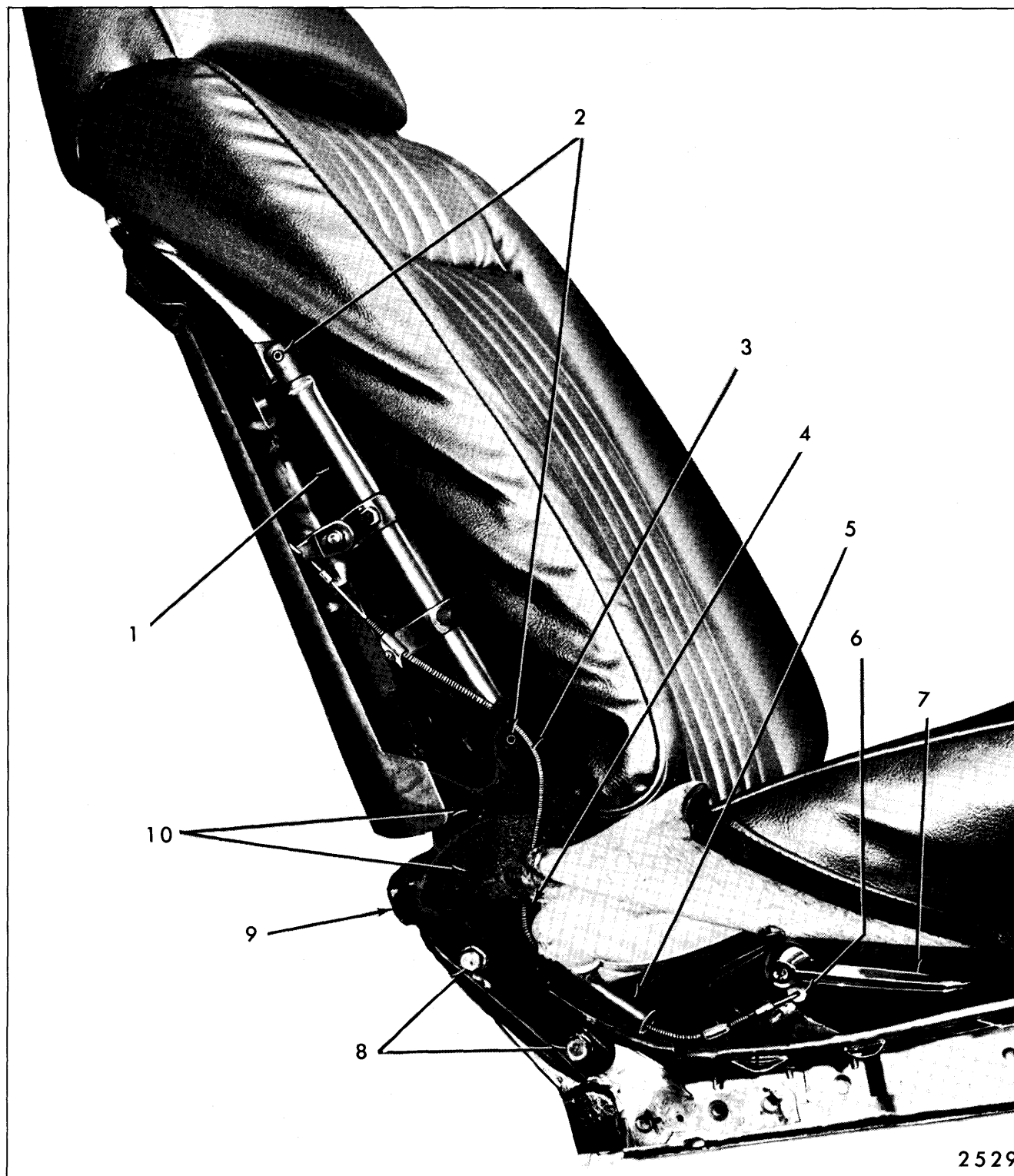
Removal and Installation

1. Remove front seat assembly, reclining seat back and seat back panel as previously described.
2. At seat back inner hinge assembly remove hog rings and detach seat back trim sufficiently to gain access to seat back lock and lock striker attaching bolts (Fig. 15-42).
3. Remove seat back lock striker attaching bolts (Fig. 15-42) and remove striker.
4. Disengage clip securing lock rod to lock (Fig. 15-42) and detach rod from lock.
5. Remove lock-to-hinge attaching bolts (Fig. 15-42) and remove lock assembly from seat back hinge.
6. To install seat back lock assembly, reverse removal procedure. Make certain lock rod and clip are properly engaged at lock lever. Check for proper operation of seat back lock.

RECLINING SEAT BACK LOCK CONTROL SUPPORT—Strato Full-Width or Bucket Seat

Removal and Installation

1. Remove front seat assembly, reclining seat back and seat back panel, as previously described.



2529

Fig. 15-41—Reclining Seat Back and Positioning Unit

- | | |
|--|---|
| 1. Reclining Positioning Unit | 6. Handle Control Lever |
| 2. Positioning Unit Attaching Roll Pins | 7. Control Handle |
| 3. Positioning Unit Control Cable | 8. Seat Back Hinge Attaching Bolts |
| 4. Control Cable Grommet in Cushion Trim | 9. Seat Cushion Side Panel Rear Support |
| 5. Control Cable Guide | 10. Seat Back Hinge |

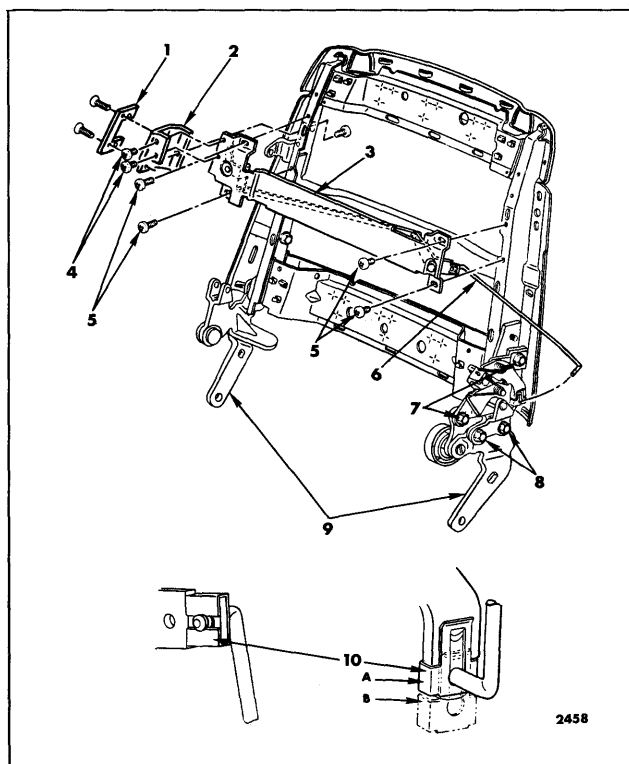


Fig. 15-42—Strato Reclining Seat Back Lock

- | | |
|---------------------------|---------------------------------|
| 1. Trim Retainer | 7. Seat Back Lock Bolts |
| 2. Control Support | 8. Seat Back Lock Striker Bolts |
| 3. Control Assembly | 9. Reclining Seat Back Hinges |
| 4. Control Support Screws | 10. Lock Rod Clip - |
| 5. Control Screws | a. Engaged Position |
| 6. Lock Rod | b. Disengaged Position |

- At right side of seat back remove hog rings and detach seat back trim sufficiently to gain access to seat back lock control support (Fig. 15-42).
- Remove control support attaching screws (Fig. 15-42) and remove support.
- To install lock control support, reverse removal procedure. Check for proper operation of seat back lock.

RECLINING SEAT BACK LOCK CONTROL ASSEMBLY—Strato Full-Width or Bucket Seats

Removal and Installation

- Remove front seat assembly, reclining seat back and seat back panel, as previously described.

- Remove hog rings securing seat back trim cover and padding to seat back frame and remove seat back trim cover and padding.
- Disengage clip securing lock rod to control assembly (Fig. 15-42) and detach rod from control assembly.
- Remove control support and control assembly attaching screws (Fig. 15-42); then, remove control assembly from seat back.
- To install, reverse removal procedure. Prior to installing seat assembly in body, check for proper operation of seat back lock.

MANUALLY OPERATED BUCKET SEAT ADJUSTER

Removal and Installation

- Remove bucket seat assembly, as previously described, and place seat upside down on a protected surface.
- If replacing inboard adjuster, remove assist spring (Fig. 15-43).
- Operate adjuster so that both front and rear adjuster-to-seat frame attaching bolts (Fig. 15-43) are accessible; then, remove attaching bolts and remove adjuster from seat assembly.

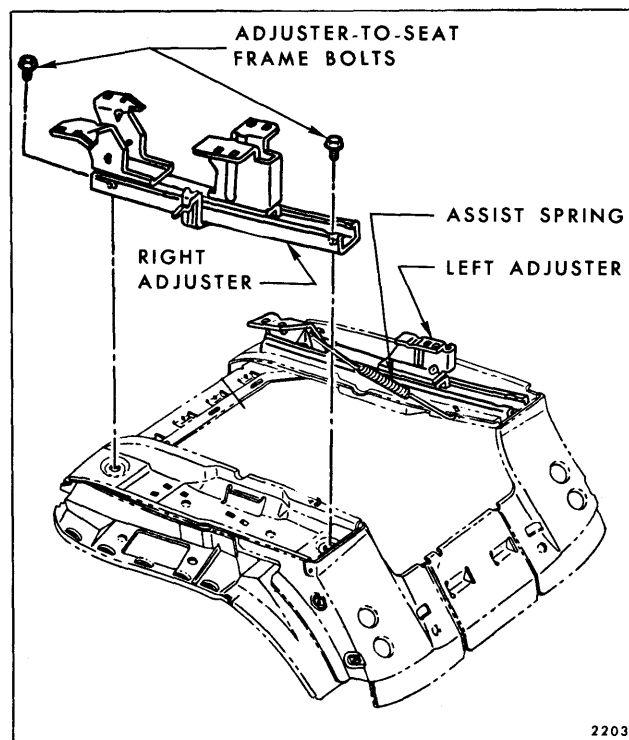


Fig. 15-43—Manual Bucket Seat Adjuster Removal

4. To install, reverse removal procedure. If left adjuster is being replaced, install new adjuster control knob. Use rubber mallet to tap new knob on control lever.

POWER OPERATED HORIZONTAL BUCKET SEAT ADJUSTER

Removal and Installation

1. Operate seat to a midway horizontal position. Remove bucket seat assembly, as previously described, and place seat upside down on a clean protected surface.
2. Disconnect power drive cable from adjuster gearnut (Fig. 15-44).

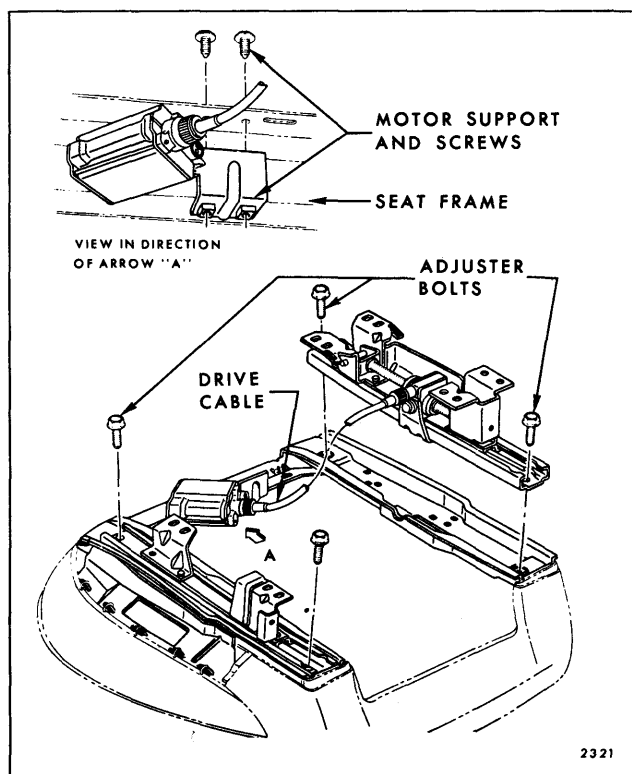


Fig. 15-44—Power Horizontal Bucket Seat Adjuster Removal

3. Remove adjuster-to-seat bottom frame front and rear attaching bolts (Fig. 15-44) and remove adjuster from seat assembly.
4. To install, reverse removal procedure. Where spacers were installed between seat adjuster and floor pan or seat adjuster and seat frame make certain spacers are reinstalled. Check for proper operation of seat to full limits of travel.

POWER OPERATED FOUR-WAY BUCKET SEAT ADJUSTER

Removal and Installation

1. Operate seat assembly to fully raised and mid-way horizontal positions.
2. Remove front seat assembly from body with attached adjusters, motor and transmission, as previously described, and place upside down on a clean protected surface.
3. If outboard adjuster is being removed, disconnect both, horizontal and vertical, drive cables from vertical gearnut and horizontal actuator (Fig. 15-45).
4. Remove nuts securing motor and transmission support to adjuster being removed (Fig. 15-46).
5. Remove adjuster-to-seat bottom frame front and rear attaching bolts securing adjuster to be removed (Fig. 15-45).

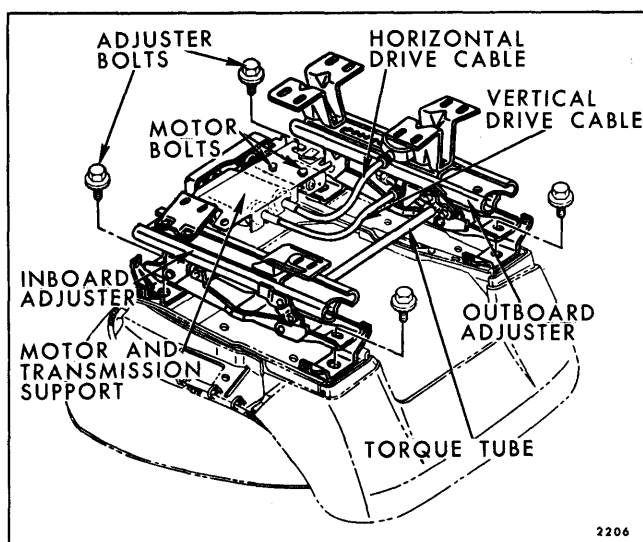


Fig. 15-45—Four-Way Bucket Seat Assembly

6. Carefully disengage adjuster from support, and torque tube; then, remove adjuster from seat.
7. To install power operated four-way bucket seat adjuster assembly, reverse removal procedure. Check for proper operation of seat adjusters to limits of travel.

POWER OPERATED FOUR-WAY BUCKET SEAT ADJUSTER MAJOR COMPONENTS

The following service procedures cover replacement of the major component parts of the power operated four-way seat adjuster, used on bucket seats.

MOTOR AND TRANSMISSION DRIVE BELT AND PULLEYS

Removal and Installation

1. At front of seat remove motor and transmission drive belt cover attaching screws (Fig. 15-46) and remove cover.
2. Remove drive belt (Fig. 15-46) from both motor and transmission drive pulleys. Pulleys may be removed from either motor or transmission by pulling pulleys off their respective shafts.

3. To install drive belt, reverse removal procedure. Check for proper operation of seats to full limits of travel.

MOTOR ASSEMBLY

Removal and Installation

1. If motor can be operated, operate seat assembly to full "up" position. Disconnect wire harness connector from motor relay.
2. Remove motor-to-transmission drive belt cover and drive belt, as previously described.

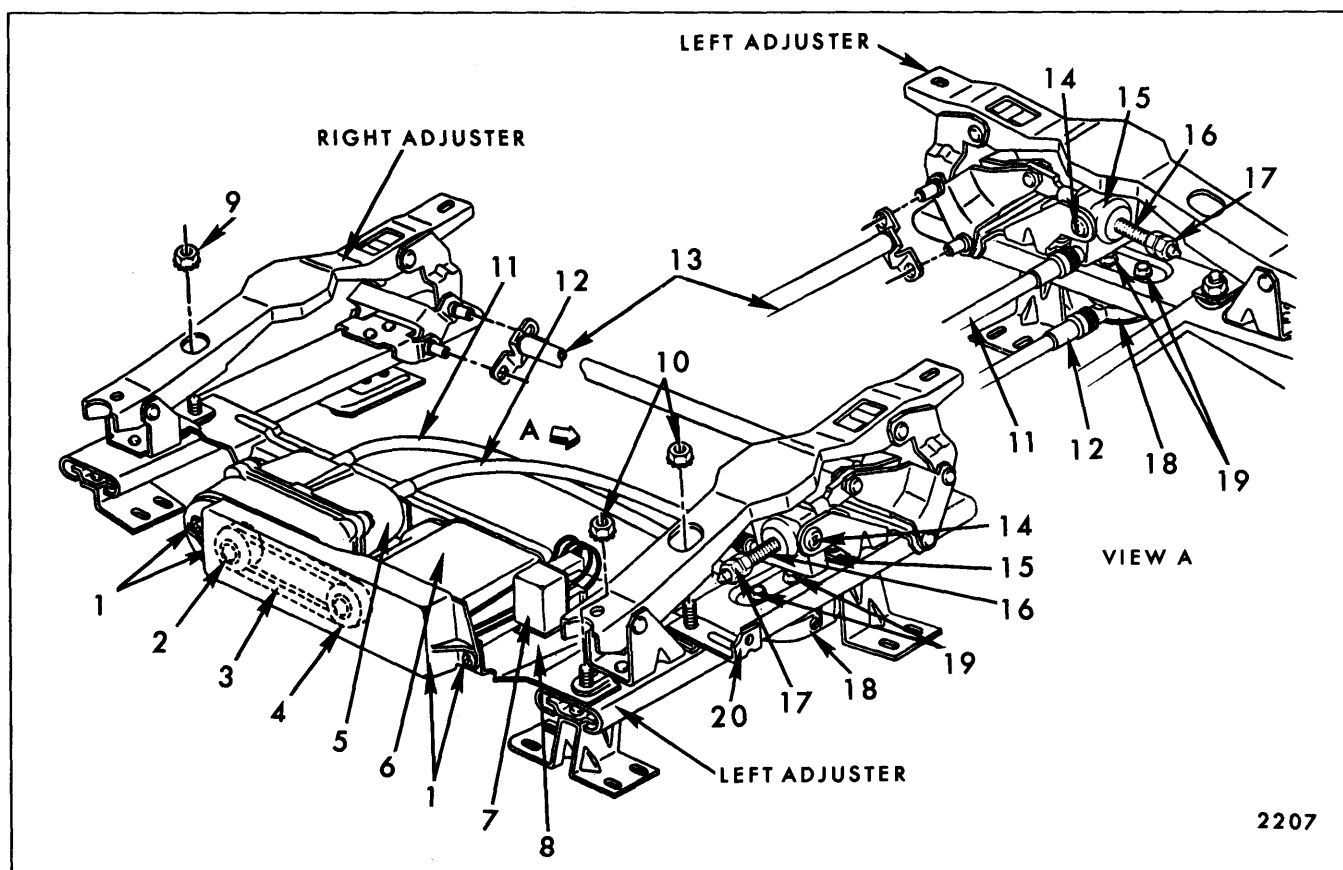


Fig. 15-46—Four-Way Bucket Seat Adjusters

- | | |
|--|---|
| 1. Motor and Transmission Drive Belt Cover and Attaching Screws | 11. Adjuster Horizontal Drive Cable |
| 2. Transmission Drive Pulley | 12. Adjuster Vertical Drive Cable |
| 3. Transmission and Motor Drive Belt | 13. Adjuster Torque Tube |
| 4. Motor Drive Pulley | 14. Adjuster Vertical Gearnut Shoulder Screw |
| 5. Transmission Assembly | 15. Adjuster Vertical Gearnut Assembly |
| 6. Electric Motor Assembly | 16. Adjuster Vertical Jackscrew |
| 7. Electric Motor Relay | 17. Adjuster Vertical Jackscrew Stop Nuts |
| 8. Motor and Transmission Support | 18. Adjuster Horizontal Actuator Assembly |
| 9. Motor and Transmission Support-to-Right Adjuster Attaching Nut | 19. Adjuster Horizontal Actuator Attaching Screws |
| 10. Motor and Transmission Support-to-Left Adjuster Attaching Nuts | 20. Seat Side Panel Support |

2207

3. From under motor and transmission support remove two cap screws securing motor to motor-and-transmission support and remove motor assembly from under seat.
4. To install, reverse removal procedure. Check for proper operation of seat to full limits of travel.

TRANSMISSION ASSEMBLY AND HORIZONTAL AND VERTICAL DRIVE CABLES

Removal and Installation

1. Remove front seat assembly from body with attached adjusters, motor and transmission, as previously described, and place upside down on a protected surface.
2. Disconnect wire harness connector from transmission.
3. Remove motor and transmission drive belt cover and remove drive belt (Fig. 15-46).
4. Remove two screws securing transmission assembly to motor and transmission support; then, move transmission forward to disengage from drive cables and remove transmission from seat.

NOTE: To remove horizontal or vertical drive cables detach drive cable from adjuster and remove cable.

DISASSEMBLY AND ASSEMBLY OF TRANSMISSION

1. Remove front seat adjuster transmission from seat assembly.
2. Remove screws securing gear and solenoid housings together; then, carefully separate housings and remove component parts of transmission assembly.
3. To assemble transmission, reverse removal procedure.

IMPORTANT: Prior to or during installation, lubricate frictional surfaces of driving gear thrust washer, gears, dog washers, shaft and solenoid plungers with "Lubriplate" (630AAW) or equivalent.

4. To install transmission assembly, reverse removal procedure. Make certain drive cables are properly engaged in transmission and properly retained in cut out notches of motor and transmission support prior to installing transmission attaching screws.
5. Check for proper operation of seat to full limits of travel.

ADJUSTER VERTICAL GEARNUT

Removal and Installation

1. Operate seat assembly to full raised and mid-way horizontal position.
 2. Remove front seat assembly from body and place upside down on a clean protected surface.
 3. Using a clutch type screwdriver or other suitable tool, remove shoulder screws securing linkage to vertical gearnut (Fig. 15-46).
 4. Remove jackscrew "down" stop from jackscrew (Fig. 15-46).
 5. Using a portable power source to energize the motor, actuate vertical gearnut until gearnut is disengaged from jackscrew.
- NOTE:** It may be necessary to manually raise or lower upper rear portion of adjuster to gain clearance for removal of gearnut.
6. Disconnect drive cable from gearnut.
 7. To install, reverse removal procedure. Check seat adjusters for proper operation.

ADJUSTER JACKSCREW

Removal and Installation

1. Remove adjuster gearnut as previously described.
2. Remove seat adjuster-to-seat bottom frame front and rear attaching bolts.
3. As a bench operation, remove jackscrew-to-adjuster linkage attaching rivet and remove jackscrew from adjuster assembly (Fig. 15-46).

NOTE: It may be necessary to manually raise or lower upper rear portion of adjuster to gain access to jackscrew attaching rivet.

4. To install, reverse removal procedure. Use new rivet to attach jackscrew-to-adjuster linkage. Check seat adjusters for proper operation.

ADJUSTER HORIZONTAL ACTUATOR ASSEMBLY

Removal and Installation

1. Remove front seat assembly from body as previously described and place upside down on a clean protected surface.

2. Using a clutch type screwdriver or other suitable tool, remove shoulder screws securing linkage to vertical gearnut (Fig. 15-46).
3. Using a portable power source, actuate vertical gearnut until gearnut is against "down" stop on jackscrew assembly.
4. Disconnect drive cable from horizontal actuator assembly.
5. Remove screws securing horizontal actuator assembly to adjuster lower track; then, remove actuator from adjuster assembly (Fig. 15-46).
6. To install, reverse removal procedure.

NOTE: When installing horizontal actuator, adjust actuator so that drive gear is fully engaged with teeth on lower channel. When hori-

zontal actuator attaching screws are tightened, there should be no free motion between upper and lower channels. Re-adjust actuator "as required" until all free motion between channels has been removed. Check seat adjusters for proper operation.

TORQUE TUBE ASSEMBLY

Removal and Installation

1. Remove inboard seat adjuster assembly, as previously described.
2. Disengage torque tube from outboard adjuster (Fig. 15-45 and 15-46) and remove torque tube assembly.
3. To install torque tube assembly, reverse removal procedure. Check for proper operation of seat to full limits of travel.

REAR SEATS

REAR SEAT CUSHION—All Styles (Except "A-65" Styles)

Removal

1. Push lower forward edge of seat cushion rearward; then, lift upward and pull forward on seat cushion frame to disengage cushion frame wires from retainers on rear seat pan (Fig. 15-47).

NOTE: If difficulty is experienced in disengaging the front edge of the rear seat cushion from retainers on rear seat pan it may be necessary to kneel (on four-door styles) or stoop (on two-door styles) on the rear floor pan. Grasp lower edge of seat cushion at location of retainer on one side of seat; then, lean forward (towards seat cushion) using leg pressure against hands or arms, exert sufficient rearward pressure to disengage seat from retainers (Fig. 15-47).

Installation

1. Carefully lift cushion into body using caution not to damage adjacent trim.
2. Position rear edge of cushion under rear seat back assembly. On "A" Body four-door styles make certain rear portion of seat cushion frame is engaged with retainer on rear seat pan.
3. Align wire protrusions on front of seat cushion frame with retainers on floor pan. Push seat

cushion assembly rearward until protrusions engage in retainers; then, press down and pull cushion forward to fully engage in retainers.

NOTE: If difficulty is experienced in engaging front of cushion in retainers, use the same method described under step 1 of "Removal", to engage cushion in retainers.

IMPORTANT: If seat cushion frame protrusions are not properly centered in relation to retainers on seat pan, proper engagement and placement of cushion will be extremely difficult.

REAR SEAT BACK ASSEMBLY—All Styles Except Station Wagons and "F&Z" Body with Folding Rear Seat Back

Removal and Installation

1. Remove rear seat cushion assembly.
2. At bottom of seat back bend out tabs and where present, remove screws securing the lower portion of the seat back to floor panel. On convertible styles, remove screw from rear side of seat back panel support securing upper corners of seat back to panel.

NOTE: If screws are used to secure center of rear side to seat back panel it will be necessary to work from inside rear compartment to remove screws.

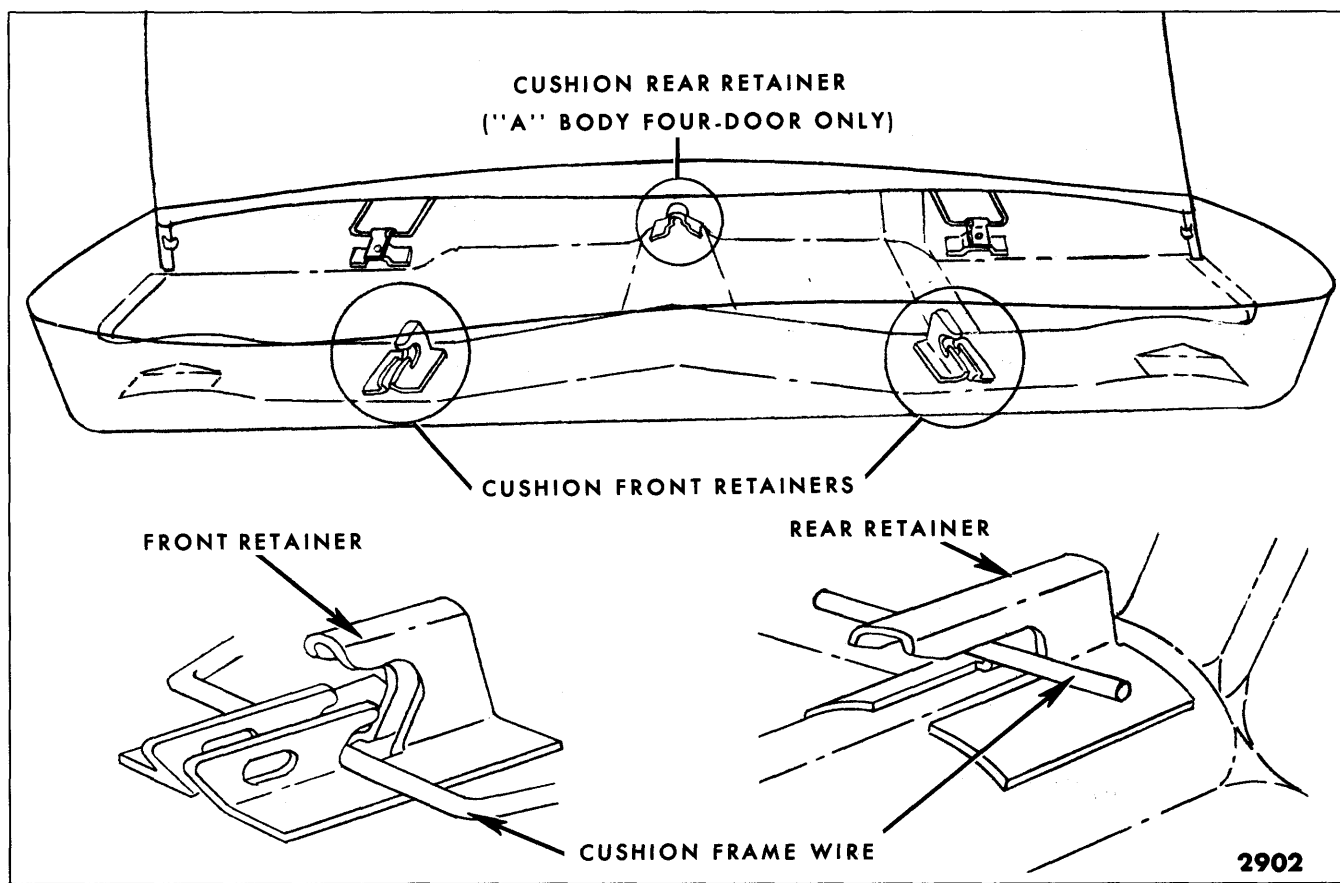


Fig. 15-47—Rear Seat Cushion Installation

3. Pull seat back assembly out at the bottom until seat back clears body tabs; then, on all styles except "E" styles, raise seat back upward until disengaged from hangers on the seat back panel support. On "E" styles push seat back downward until wire protrusions at top of seat back are disengaged from slots in seat back panel support.

4. Remove seat back assembly from body.

5. To install, reverse removal procedure, making certain that all attaching body tabs and hangers have industrial body tape applied to them to act as an anti-squeak.

FOLDING REAR SEAT BACK— "F" Body Styles

Removal and Installation

1. Remove rear seat cushion and lower folding rear seat back.
2. At both right and left seat back link, remove stud nut securing seat back link to anchor plate on floor pan (Fig. 15-48).

3. Lift seat back assembly upward to disengage tab of link from slot in anchor plate (Fig. 15-48), and remove seat back assembly from body.

4. To install folding seat back assembly, reverse removal procedure.

FOLDING REAR SEAT BACK LOCK— "F" Body Styles

All "F" bodies equipped with a folding rear seat incorporate a positive rear seat back lock located at the right side of the seat back. When the seat back is raised to the "up" position, a lock striker secured to the right side of the seat back frame engages with the lock which is secured to the seat back support. To lower the seat back, raise the lock release lever at the right side of the seat back and lower the seat back.

Removal and Installation

1. Lower the folding rear seat back.
2. Remove rubber bumper (Fig. 15-48) and remove compartment front trim foundation.

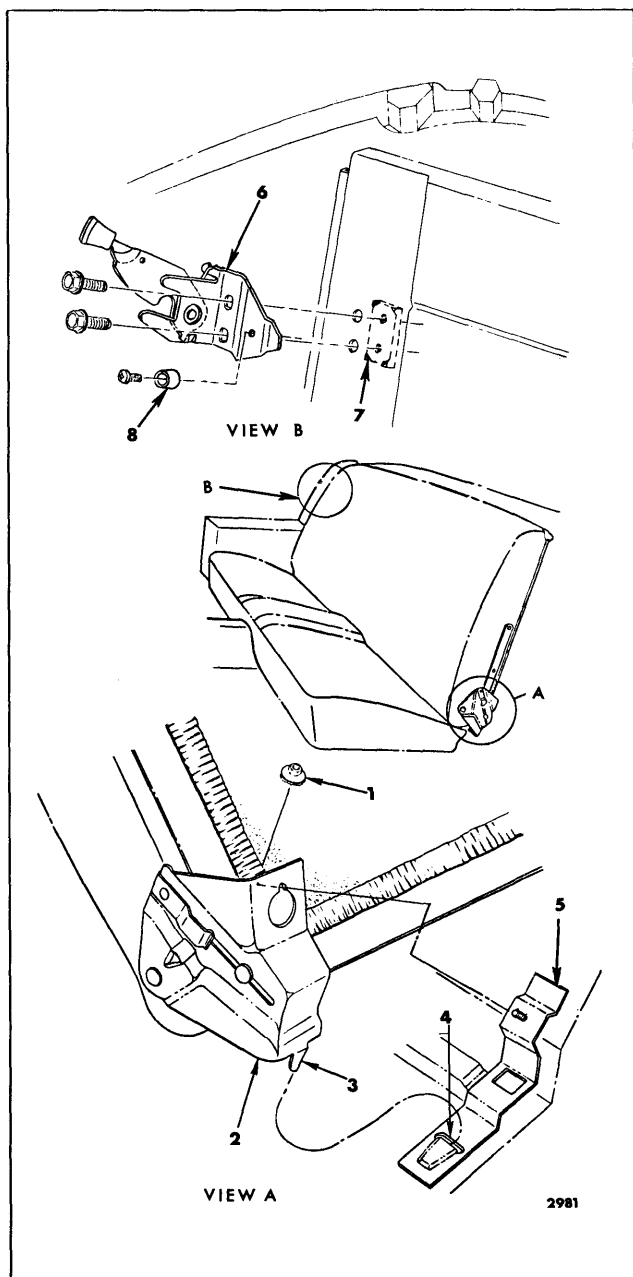


Fig. 15-48—Folding Rear Seat Back Assembly - "F" Body Styles

1. Link-to-Actuator Plate Stud Nut
2. Folding Seat Back Link
3. Link Tab
4. Anchor Plate Slot
5. Folding Seat Back Link Anchor Plate (on floor pan)
6. Back Lock Assembly
7. Lock Anchor Plate
8. Rubber Bumper

3. Mark location of seat back lock on seat back support panel.

4. While holding the lock anchor plate on the back side of the seat back support, remove lock attaching screws (Fig. 15-48, View "B") and remove lock and anchor plate.

5. To install rear seat back lock assembly, reverse removal procedure aligning lock with previously made marks.

Check for proper operation of lock and, if necessary, adjust lock up or down for proper operation.

FOLDING REAR SEAT BACK AND FILLER PANEL—Corvair

Folding Rear Seat Back Assembly

Removal and Installation

1. Remove rear seat back cushion, as previously described.
2. Lower folding seat back; then, remove three screws from both sides of seat back securing seat back to folding linkage (Fig. 15-49).
3. Carefully disengage seat back from linkage and remove folding seat back from body.
4. To install, reverse removal procedure.

FOLDING REAR SEAT BACK LINKAGE—Corvair

Removal and Installation

1. Remove rear seat cushion and folding seat back, as previously described.
2. Mark position of linkage on floor pan. Remove bolts securing folding seat back linkage to floor pan (Fig. 15-49) and remove linkage.
3. To install, reverse removal procedure. Align linkage on floor pan with previously made alignment marks.

REAR FOLDING SEAT BACK FILLER PANEL—Corvair

Removal and Installation

1. Remove rear seat cushion, as previously described; then, lower folding seat back.
2. Lift up seat back filler panel sufficiently to gain access to attaching screws and prop panel in this position.

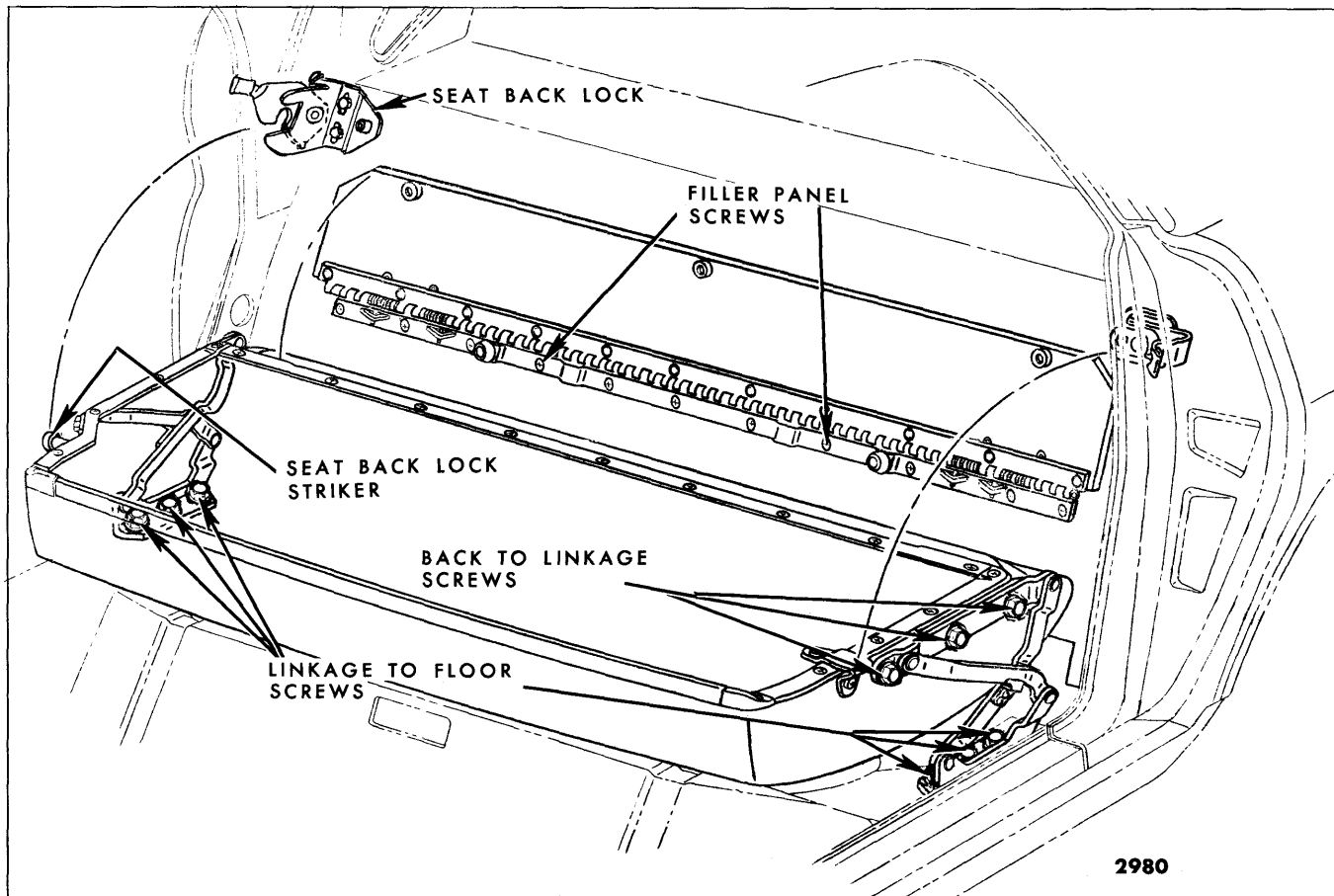


Fig. 15-49—Folding Rear Seat Back Assembly - Corvairs

NOTE: Prop should be wide enough to bear against hinge and hold hinge in position during removal of hinge attaching screws.

3. Remove filler panel hinge attaching screws; then remove prop and remove filler panel.
4. To install, reverse removal procedure.

FOLDING REAR SEAT BACK LOCK— Corvair

1. Lower the folding rear seat back. Mark position of rear seat back lock to facilitate installation in same position.
2. Remove lock attaching screws (Fig. 15-49) and remove lock assembly from rear compartment front panel.
3. To install rear seat back lock assembly, reverse removal procedure aligning lock with previously made marks.

Check for proper operation of lock and, if necessary, adjust lock up or down for proper operation.

REAR SEAT BACK CENTER ARM REST AND CURTAIN

Removal and Installation

1. Lower rear seat back arm rest. On all styles except 68069 carefully pull upper portion of arm rest curtain out of slot in hanger plate and fold curtain forward. On 68069 styles, fold arm rest flipper forward.
2. Remove four screws securing arm rest to hanger plate linkage then, remove arm rest from seat back.
3. To install, reverse removal procedure.

REAR SEAT BACK CENTER ARM REST HANGER PLATE AND LINKAGE

Removal and Installation

1. Remove rear seat back center arm rest; then, remove two screws securing arm rest hanger plate to body seat back support brace. Remove rear seat back.

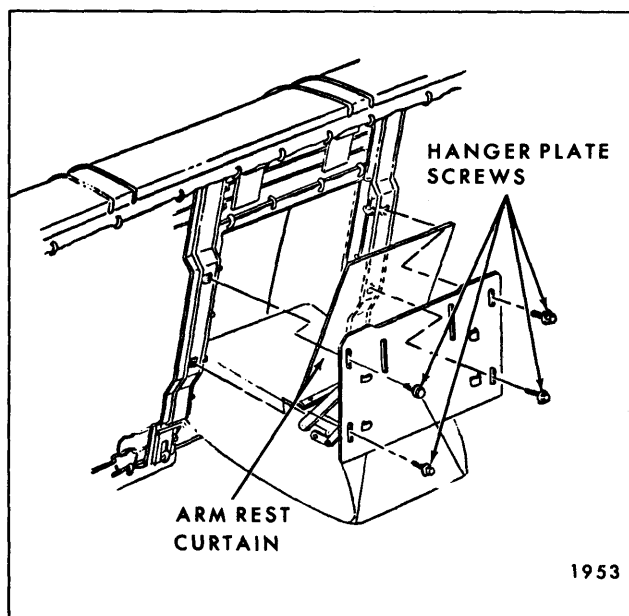


Fig. 15-50—Rear Seat Back Arm Rest and Hanger Plate

2. On back side of rear seat back, remove four screws securing arm rest hanger plate to seat back supports; then, carefully remove arm rest and hanger plate assembly from seat back (Fig. 15-50).
3. To install, reverse removal procedure. Prior to tightening hanger plate screws move arm rest assembly upward until top is snug against top of opening in seat back.

STATION WAGON REAR SEATS

STATION WAGON FOLDING REAR SEATS AND FLOOR PANELS—"B" Body (Chevrolet 15-16000 Series and Pontiac 25-26000 Series)

Description

The following views are typical of the station wagon folding seats and rear compartment floor panels. These illustrations identify the component panels of the rear compartment area and their relationship.

All station wagon full width second seats incorporate a seat back lock located on the upper right side of the seat back. On split second seat option, a seat back lock is located at the upper outer side of each seat back.

Figure 15-51 is typical of 15000 and 16000 two-seat station wagons.

Figure 15-52 is typical of 15000 and 16000 three-seat station wagons with split second seat option.

Figure 15-53 is typical of 25000 and 26000 two-seat station wagons.

Figure 15-54 is typical of 25000 three-seat station wagons with split second seat option.

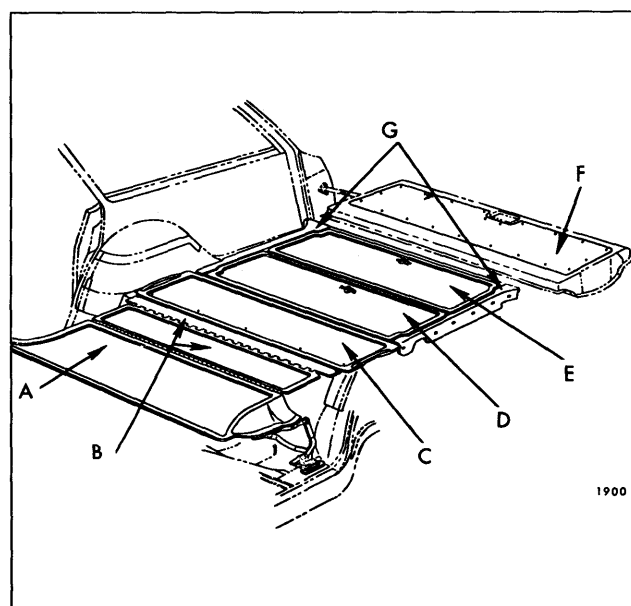


Fig. 15-51—Folding Seat and Floor Panels - Chevrolet "B-35" Styles

- A. Second Seat Back Panel
- B. Rear Floor Filler Panel
- C. Compartment Floor Panel
- D. Luggage Compartment Front Panel
- E. Luggage Compartment Rear Panel
- F. Tail Gate Inner Cover Panel
- G. Compartment Pan Side Filler Panels

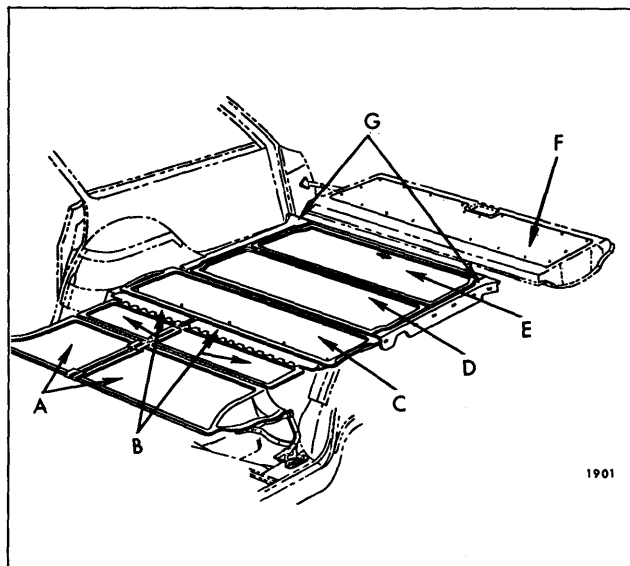


Fig. 15-52—Folding Seats and Floor Panels - Chevrolet "B-45" Styles

- A. Second Seat Back Panels (Split Option)
- B. Rear Floor Filler Panels
- C. Compartment Floor Panel (at Kick-Up)
- D. Third Seat Back Panel
- E. Third Seat Cushion Panel
- F. Tail Gate Inner Cover Panel
- G. Compartment Pan Side Filler Panels

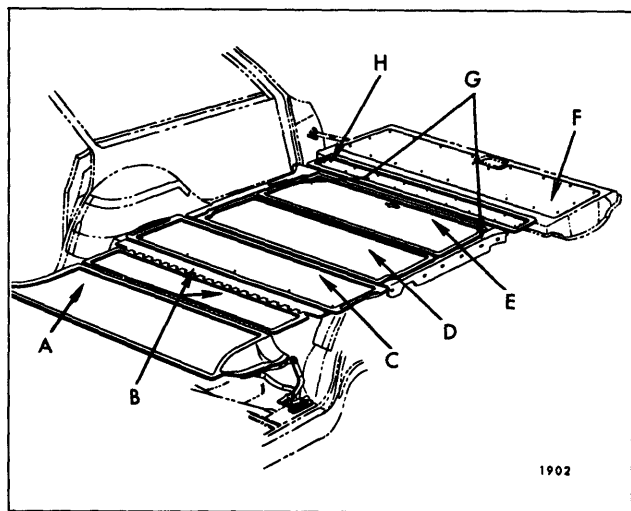


Fig. 15-53—Folding Seat and Floor Panels - Pontiac "B-35" Styles

- A. Second Seat Back Panel
- B. Rear Floor Filler Panel
- C. Compartment Floor Panel (at Kick-Up)
- D. Luggage Compartment
- E. Luggage Compartment Rear Panel
- F. Tail Gate Inner Cover Panel
- G. Compartment Pan Side Filler Panels
- H. Rear Floor-to-Tail Gate Panel

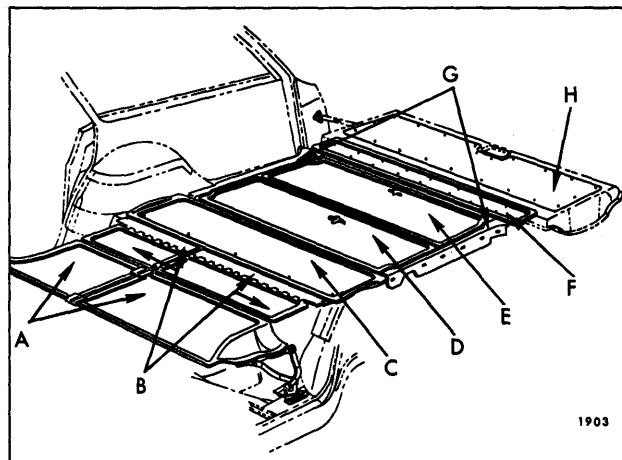


Fig. 15-54—Folding Seats and Floor Panels - Pontiac "B-45" Styles

- A. Second Seat Back Panels (Split Option)
- B. Rear Floor Filler Panels
- C. Compartment Floor Panel (at Kick-Up)
- D. Third Seat Back Panel
- E. Third Seat Cushion Panel
- F. Rear Floor-to-Tail Gate Panel
- G. Compartment Pan Side Filler Panels
- H. Tail Gate Inner Cover Panel

REAR FLOOR TO TAIL GATE FILLER PANEL ASSEMBLY 25-26000 SERIES

Removal and Installation

1. Lower tail gate assembly.
2. Lift up rear edge of filler panel assembly sufficiently to expose attaching screws along forward edge of panel.
3. Remove filler panel attaching screws and remove panel assembly from body opening.
4. To install, reverse removal procedure.

COMPARTMENT PAN SIDE FILLER PANEL (Right or Left Side) All Styles

Removal and Installation

1. On "35" Styles, use handle and fold rear luggage compartment panel forward until it is resting entirely on front luggage compartment panel (Fig. 15-55).
2. On "45" Styles, raise folding 3rd seat back assembly to up position; then raise 3rd seat bottom cushion assembly to up or "sitting" position.
3. For right floor side panel, remove spare tire cover panel.

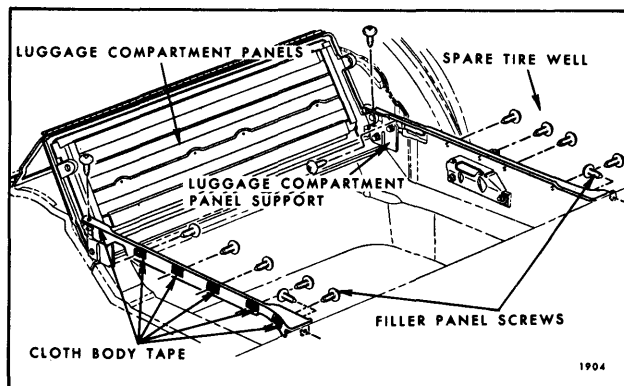


Fig. 15-55—Rear Compartment Pan Side Filler Panels

4. On left side, remove screw which secures floor side panel to panel support.
5. Along inboard and outboard side facing of right and/or left panel, remove screws which secure panel to panel supports (Fig. 15-55) and remove panel(s) from body.
6. To install, reverse removal procedure. If installing new filler panel, apply cloth body tape over all screw attaching holes. (See Fig. 15-55).

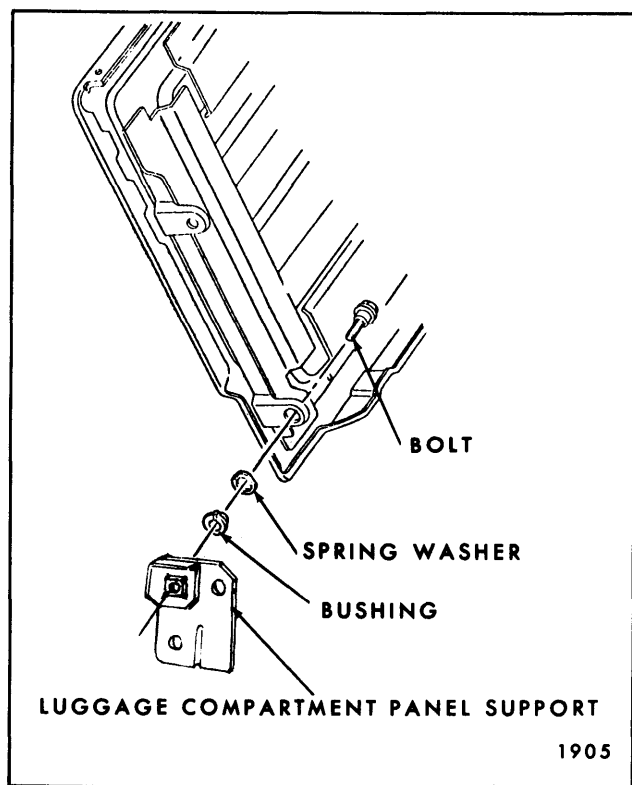


Fig. 15-56—Luggage Compartment Panel Attachment to Body

LUGGAGE COMPARTMENT FRONT AND REAR PANEL ASSEMBLIES—

Two-Seat Styles

Removal and Installation

1. Using handle, fold rear luggage compartment panel forward until it is resting entirely on front luggage compartment panel.
2. Fold combined front and rear luggage compartment panels to "up" or half open position. (See Fig. 15-55).
3. Remove bolt (Fig. 15-56) at both sides of front panel securing front and rear panel assemblies to supports; then remove assembly from body.
4. To install, reverse removal procedure. Make sure bushing and spring washer are properly installed (Fig. 15-56).

NOTE: When replacing front luggage compartment panel with new part, transfer rear luggage compartment panel with attached hinge to new part.

LUGGAGE COMPARTMENT REAR PANEL ASSEMBLY—Two-Seat Styles

Removal and Installation

1. Using handle, fold rear luggage compartment panel forward until it is resting entirely on front luggage compartment panel.
2. Remove screws securing hinge assembly to rear luggage compartment panel and remove panel assembly from body.
3. To install, reverse removal procedure.

LUGGAGE COMPARTMENT FRONT AND REAR PANEL HINGE ASSEMBLY—Two-Seat Styles

Removal and Installation

1. Using handle, fold rear luggage compartment panel forward until it is resting entirely on front luggage compartment panel.
2. Remove screws securing hinge assembly to both front and rear panels and remove hinge from body.
3. To install, reverse removal procedure.

FOLDING THIRD SEAT CUSHION—Three-Seat Styles

Removal and Installation

1. Lift third seat cushion to half raised position or approximately vertical to floor pan (Fig. 15-57).

2. Remove four seat cushion screws from rearward edge of cushion (Fig. 15-57).

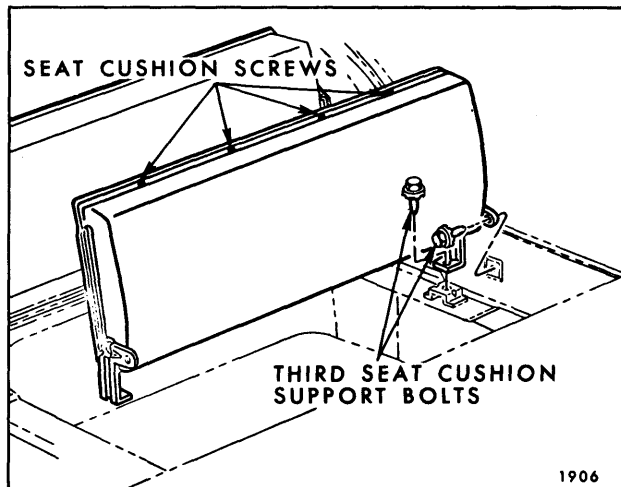


Fig. 15-57—Folding Third Seat Cushion

3. Pull rear edge of cushion away from flange of cushion panel then lift cushion upward to disengage cushion border wire from four tabs on panel. Remove cushion from body and place on a clean protected surface.
4. To install, reverse removal procedure. Make sure cushion border wire is engaged with all four panel tabs prior to installing cushion attaching screws.

FOLDING THIRD SEAT CUSHION PANEL ASSEMBLY AND SUPPORT—Three-Seat Styles

Removal and Installation

1. Lift third seat cushion to a half raised position or approximately vertical to floor pan. (See Fig. 15-57).
2. Remove two bolts at each side of seat securing supports to body (Fig. 15-57), then, remove seat cushion, panel assembly and supports from body and place on a clean protected surface.

To remove support, remove cushion from panel assembly; then remove bolt securing support to cushion (Fig. 15-58).

3. To install, reverse removal procedure. If support was removed from seat cushion panel, make sure bushing and spring washer are properly installed. (See Fig. 15-58).

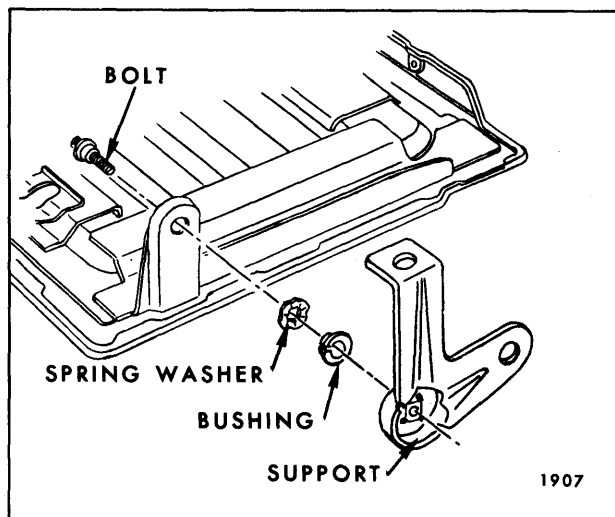


Fig. 15-58—Third Seat Cushion Panel and Support

FOLDING THIRD SEAT BACK TRIM ASSEMBLY—Three-Seat Styles

Removal and Installation

1. Raise third seat back assembly - leave cushion assembly in down position.
2. Remove four screws securing lower edge of seat back trim to seat back panel. (See Fig. 15-59).
3. Pull lower edge of seat back trim slightly rearward; then, lift trim assembly upward to disengage trim border wire from four tabs on upper portion of panel. Remove trim assembly from body and place on a clean protected surface.
4. To install, reverse removal procedure. Make sure seat back trim border wire is engaged with all four panel tabs at upper portion of panel prior to installing seat back trim attaching screws.

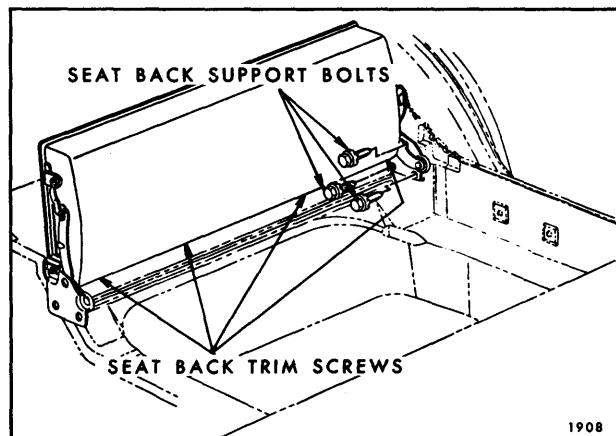


Fig. 15-59—Folding Third Seat Back

FOLDING THIRD SEAT BACK PANEL ASSEMBLY—Three-Seat Styles

Removal and Installation

1. Remove third seat back trim assembly.
2. At both sides of third seat back panel remove seat back linkage bolt (Fig. 15-60) and bolt securing seat back panel to support (Fig. 15-60), then remove seat back panel assembly from body.
3. To install, reverse removal procedure.

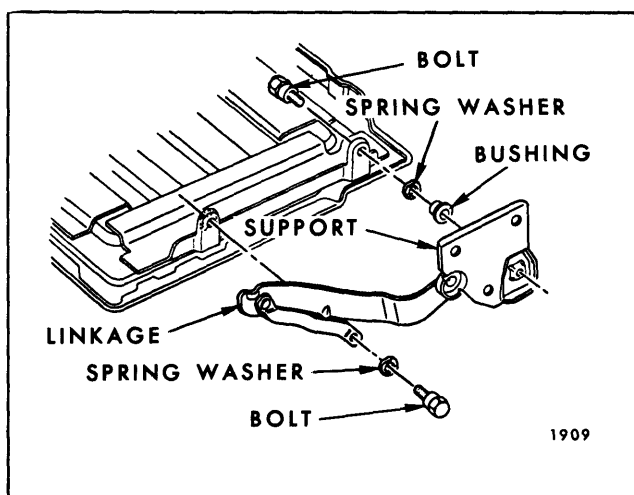


Fig. 15-60—Third Seat Back Panel and Linkage

COMPARTMENT FLOOR PANEL ASSEMBLY (At Kick-Up)—All Styles

Removal and Installation

1. On "45" Styles, remove folding 3rd seat back assembly as previously described.
2. On "35" Styles, remove luggage compartment front and rear panel assemblies (complete) as previously described.
3. Directly under rear edge of compartment floor panel remove four screws securing panel to floor pan.
4. At front of compartment floor panel remove five screws securing panel to floor pan; then, remove compartment floor panel from body.
5. To install, reverse removal procedure.

REAR FLOOR FILLER PANEL—All Styles

Removal and Installation

1. Remove compartment floor panel assembly (at kick-up) as previously described.
2. Along rear edge of filler panel, remove screws which secure panel to floor pan.
3. Fold filler panel forward sufficiently to remove screws which secure panel to folding 2nd seat back assembly and remove filler panel from body.
4. To install, reverse removal procedure.

SECOND SEAT CUSHION—(Full Width or Split Seat)—All Styles

Removal and Installation

1. Lift up front edge of folding rear seat cushion assembly to disengage seat bottom frame from slots in rear seat support on floor pan; then, remove cushion assembly from body and place on a clean protected surface.
2. To install, reverse removal procedure. Make certain that seat cushion frame is fully engaged in supports on floor pan.

FOLDING SECOND SEAT BACK TRIM ASSEMBLY (Full Width or Split Seat)—All Styles

Removal and Installation

1. Raise folding second seat back and remove second seat cushion.
 2. On underside of second seat back panel, remove screws securing seat back trim assembly to seat back panel.
- NOTE:** Do not remove screws securing rear floor filler panel hinge to second seat back panel.
3. Pull lower edge of seat back trim slightly forward; then lift trim assembly upward to disengage trim border wire from tabs on upper portion of panel. Remove trim assembly from body and place on a clean protected surface.
 4. To install, reverse removal procedure. Make sure seat back trim border wire is engaged with panel tabs at upper portion of seat back panel prior to installing seat back trim attaching screws.

FOLDING SECOND SEAT BACK TRIM, PANEL AND LINKAGE ASSEMBLY (Full Width or Split Seat)—All Styles

Removal and Installation

1. Raise folding second seat back and remove second seat cushion.
2. On underside of folding second seat back remove screws securing rear floor filler panel hinge to seat back panel.

NOTE: Do not remove screws securing seat back trim assembly to seat back panel.

3. Mark position of folding second seat back linkage supports on floor pan. Remove nuts from both sides of seat back securing linkage supports to floor pan (See Figure 15-61), full width seat (Fig. 15-62) for split seat.

Lift seat back assembly with attached linkage from body and place on a clean protected surface.

4. To remove linkage from folding second seat back remove linkage-to-seat back panel attaching bolts and remove linkage - See (Fig. 15-63 for full width seat) (Fig. 15-64 for split seat).
5. To install, reverse removal procedure. If linkage was removed from split seat back, make sure bushings and spring washers are properly installed prior to installing linkage attaching bolts. (See Fig. 15-64).

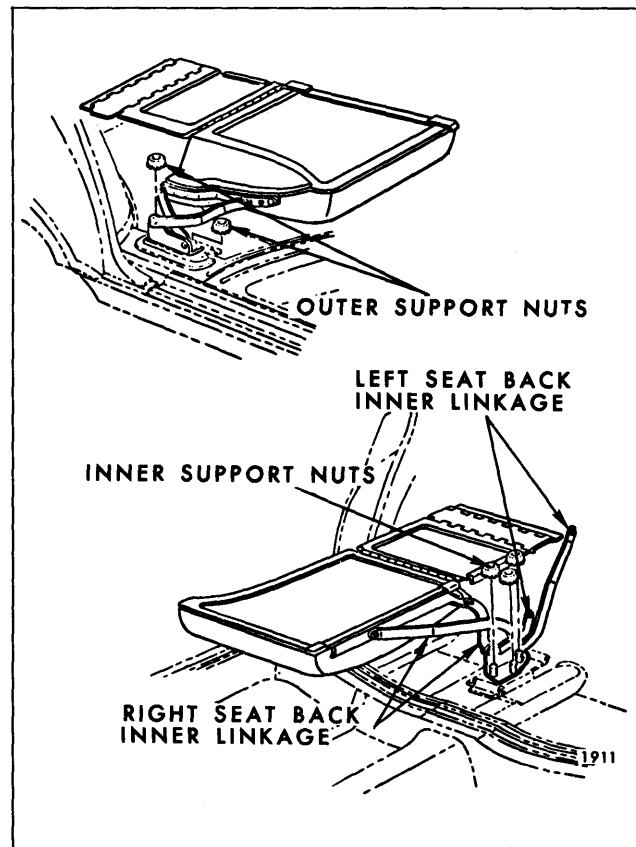


Fig. 15-62—Folding Second Seat Back Supports and Linkages (Split Seat)

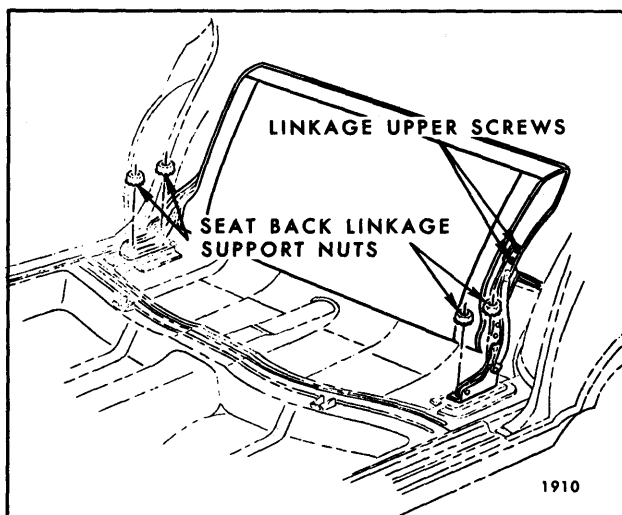


Fig. 15-61—Folding Second Seat Back Supports (Full Width Seat)

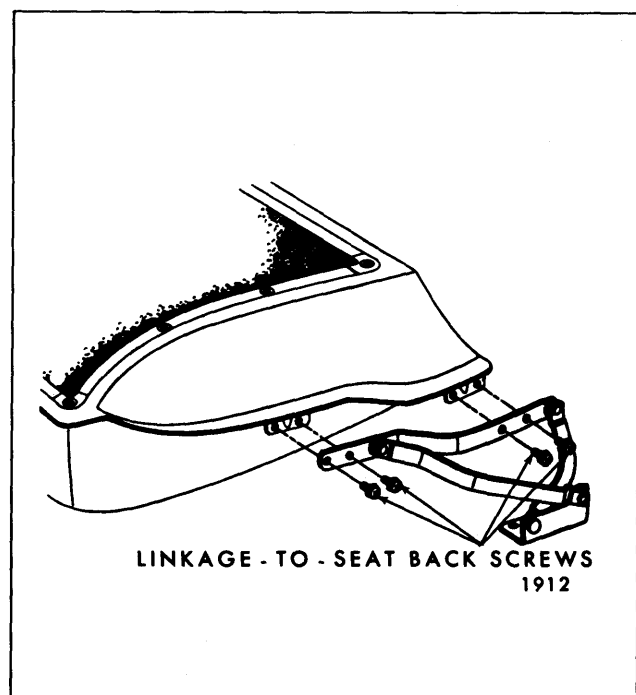


Fig. 15-63—Folding Second Seat Back Supports and Linkage (Full Width Seat)

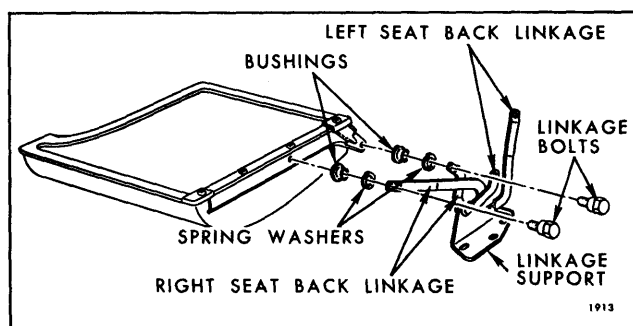


Fig. 15-64—Folding Second Seat Back Inner Linkage and Support

FOLDING SECOND SEAT BACK LINKAGE ASSEMBLY—(Full Width Seat—Right or Left Side Split Seat—Outer Linkage Only)

If both right and left linkage assemblies are to be removed on full width second seat remove second seat back trim, panel and linkage assembly and remove linkage from seat back panel as described under "Folding Second Seat Back Trim, Panel and Linkage Assembly - Removal and Installation".

If one linkage assembly (right or left side) is to be removed proceed as follows:

Removal and Installation

1. Remove second seat cushion.
2. Move folding second seat back forward just sufficiently to remove two lower linkage-to-seat back panel attaching screws. (See Fig. 15-63).
3. Carefully return seat back to full up position; then, place a support under seat back assembly to support seat back in this position.
4. Remove two upper linkage-to-seat back panel attaching screws. (See Fig. 15-63).
5. Remove nuts securing linkage support to floor pan (See Fig. 15-61), then carefully remove linkage assembly from seat back and floor pan.
6. To install, reverse removal procedure.

FOLDING SECOND SPLIT SEAT BACK INNER LINKAGE ASSEMBLY

Removal and Installation

1. Remove left second seat cushion and place left seat back in full up position. Place a support under right side of left seat back to support seat back in this position.
2. Place right seat back in partially down position (resting on seat cushion).

3. Remove nuts securing inner linkage assembly to floor pan (See Fig. 15-62).
4. Remove inner linkage-to-seat back bolts from both right and left seats (See Fig. 15-64); then carefully disengage inner linkage from seat backs and floor pan studs and remove linkage assembly.
5. To install, reverse removal procedure. Make sure bushings and spring washers are properly installed prior to installing linkage attaching bolts to both right and left seat back panels. (See Fig. 15-64).

LUGGAGE COMPARTMENT LOCK CYLINDER (Optional Equipment)—15-16000 Two-Seat Styles

Removal and Installation

1. Open luggage compartment rear panel.
2. On underside of luggage compartment rear panel remove catch retainer and catch from lock cylinder case (Fig. 15-65), then turn lock cylinder with key until cylinder can be removed from case.
3. To install, reverse removal procedure.

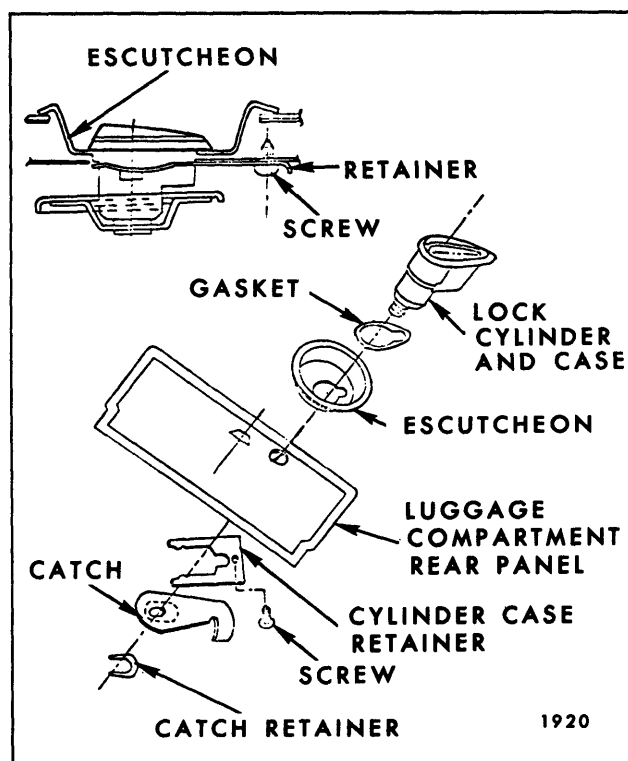


Fig. 15-65—Luggage Compartment Lock Chevrolet - "B" Styles

LUGGAGE COMPARTMENT LOCK (Optional Equipment)— 15-16000 Two-Seat Styles

Removal and Installation

1. Open luggage compartment rear panel.
2. On underside of luggage compartment rear panel, remove catch retainer and catch (Fig. 15-65).
3. Remove lock cylinder case retainer screw and retainer (Fig. 15-65); then, remove lock cylinder and case, gasket and escutcheon from panel (Fig. 15-65).
4. To install, reverse removal procedure.

STATION WAGON FOLDING SEATS AND FLOOR PANELS—"A" Body Except "65" Styles

Description

Figures 15-66 and 15-67 are typical of two-seat station wagon folding full second seat and rear compartment floor panels. The illustration identifies component parts, their relationship and various attaching points.

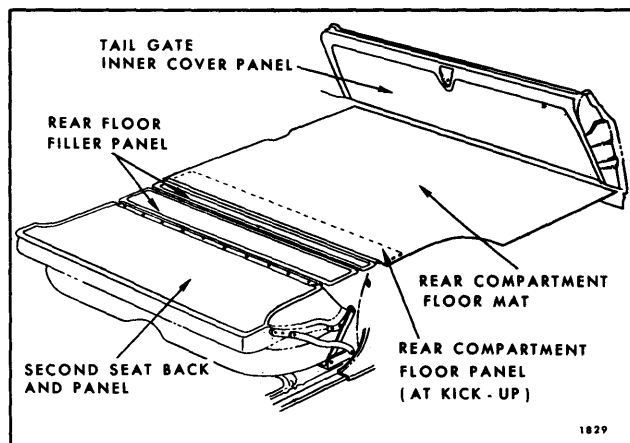


Fig. 15-66—Folding Second Seat and Rear Floor Panel Covers

REAR COMPARTMENT FLOOR PANEL COVERING—Styles with Rubber Mat

The rear compartment floor panel covering consists of a one-piece rubber mat with a pad backing. The rubber mat is installed loose with sides inserted under rear quarter trim and wheelhouse trim assemblies.

REAR COMPARTMENT FLOOR PANEL COVERING—Styles with Vinyl Mat

The rear compartment floor panel covering consists of a one-piece vinyl mat with a pad backing.

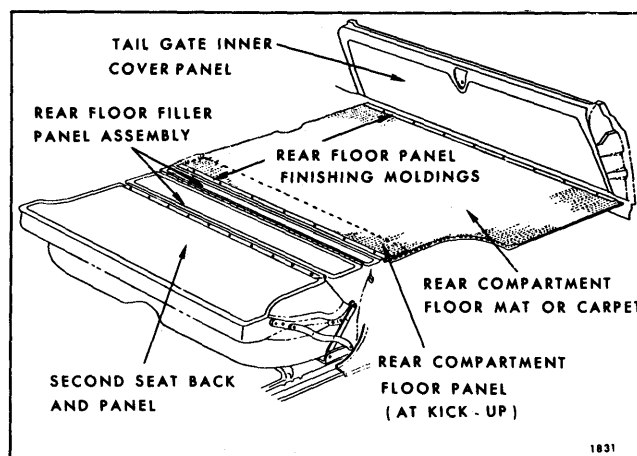


Fig. 15-67—Folding Second Seat and Rear Floor Panel Covering

The vinyl mat is installed loose with sides inserted under the rear quarter trim and wheelhouse trim assemblies. The 23535 Style incorporates metal skid strips which are tabbed to the vinyl mat.

REAR COMPARTMENT FLOOR PANEL COVERING—Styles with Floor Carpet

A one-piece rear compartment floor panel carpet with a pad backing is available as an option. The carpet is retained at the front and rear edges by finishing moldings which are secured to the floor panel by screws. (See Fig. 15-67). The sides of the carpet are inserted under the rear quarter trim and wheelhouse trim assemblies.

REAR SEAT CUSHION ASSEMBLY— Two-Seat Styles

Removal and Installation

1. Push lower forward edge of seat cushion rearward; then, lift upward and pull forward on seat cushion to disengage cushion frame wires from retainers on floor pan. (See Fig. 15-47 which is typical of station wagon two-seat styles).
2. To install, reverse removal procedure. Make certain wires on seat bottom frame are fully engaged in retainers on floor pan.

FOLDING REAR SEAT BACK TRIM AND SPRING ASSEMBLY—Two-Seat Styles

Removal and Installation

1. Remove second seat cushion.
2. With folding second seat back in up position, remove screws along bottom edge of seat back trim. Lift trim and spring assembly to

disengage retainers at top from slots in seat back panel; then, remove seat back trim and spring assembly from seat back panel.

3. To install, reverse removal procedure.

REAR COMPARTMENT FLOOR PANEL (At Kick-Up—Two-Seat Styles)

Removal and Installation

1. Turn back front edge of rear compartment floor panel covering and remove eight hexhead rear compartment floor panel attaching screws. On styles with carpet, remove front finishing molding prior to turning back carpet.

2. To install, reverse removal procedure.

FOLDING REAR SEAT BACK AND PANEL ASSEMBLY—Two-Seat Styles

Removal and Installation

1. With second seat back in down position, remove screws securing rear floor filler panel to second seat back panel and detach filler panel from seat back.
2. On both sides of seat back, remove screws securing seat back to folding linkage (Fig. 15-68) and remove seat back and panel assembly from body. See Figure 15-69 for center linkage attachments on split second seat.
3. To install, reverse removal procedure.

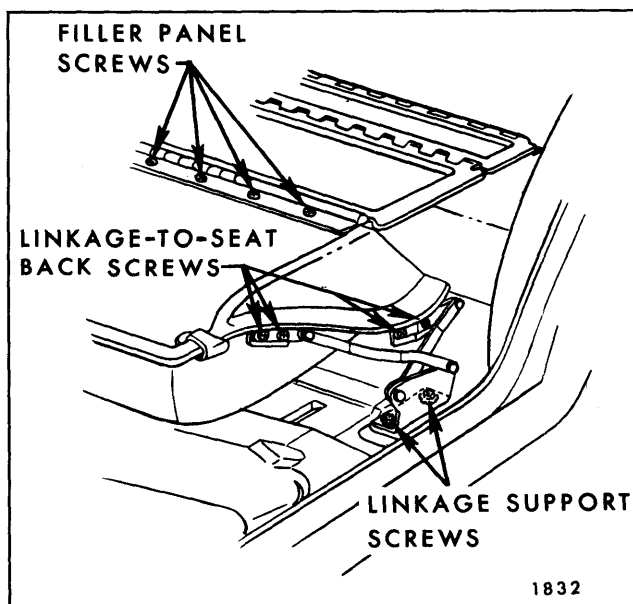


Fig. 15-68—Folding Second Seat Back Linkage and Filler Panel

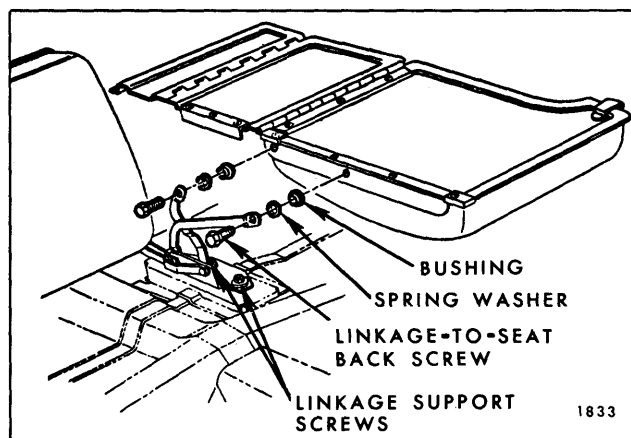


Fig. 15-69—Split Second Seat Center Linkage

REAR FLOOR FILLER PANEL ASSEMBLY

Removal and Installation

1. Remove rear compartment floor panel (at kick-up) as previously described.
2. Remove filler panel front and rear attaching screws and remove filler panel assembly.
3. To install, reverse removal procedure.

FOLDING SECOND SEAT BACK LOCK (Full Width or Split Seat)—All "A&B" Styles (Except A-55 and 65 Styles)

Description

The station wagon full width folding second seat incorporates a seat back lock located on the upper right side of the seat back. On split second seat option a seat back lock is located at the upper outer side of each seat back. The folding second seats can be folded down by actuating the lock handle forward and pulling the seat back down.

FOLDING SECOND SEAT BACK LOCK (Full Width or Split Seat)—All "A&B" Styles (Except A-55 Styles with Split Second Seat Option and "65" Styles)

Removal and Installation

1. Remove folding second seat back trim and spring assembly, as previously described.
2. Remove seat back lock handle attaching screw (Fig. 15-70) and remove lock handle.
3. Remove seat back lock attaching screws (Fig. 15-70) and remove seat back lock from seat back panel.
4. To install seat back lock assembly, reverse removal procedure. A small amount of lock ad-

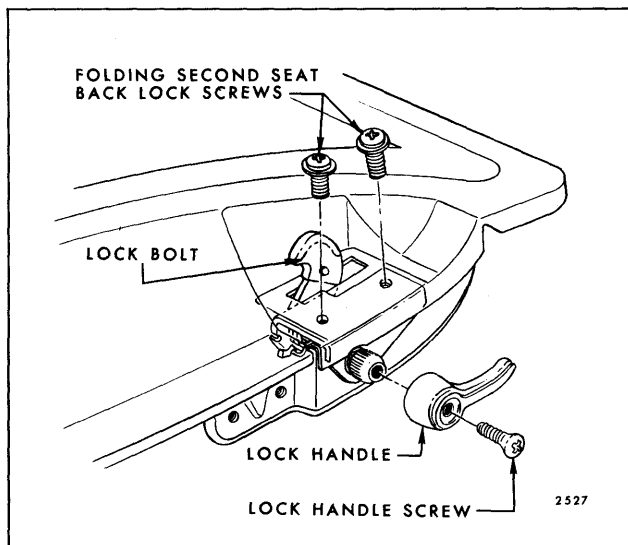


Fig. 15-70—Folding Second Seat Back Lock Installation - All "A & B" Station Wagons (Except "A-65" Styles)

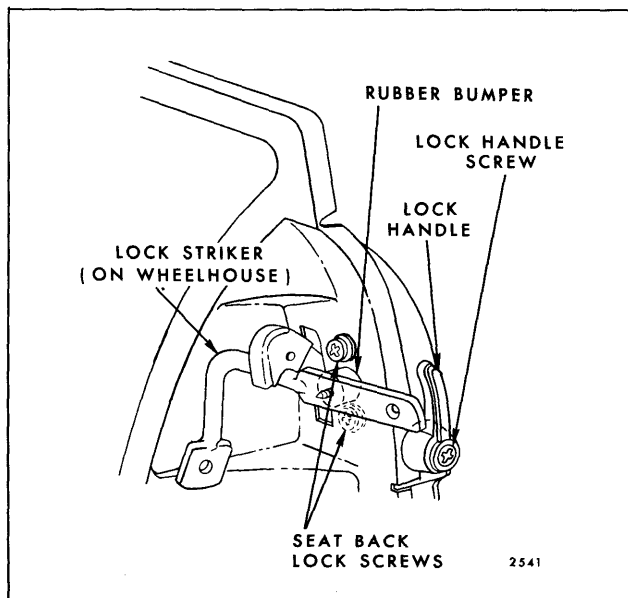


Fig. 15-71—Folding Second Seat Back Lock and Striker - All "A & B" Station Wagons (Except "A-65" Styles)

justment is available to obtain proper engagement of lock bolt with lock striker on wheelhouse as shown in Fig. 15-71.

STATION WAGON FOLDING SEATS AND FLOOR PANELS—"A" Body "55 (Split Second Seat Option) and 65" Styles

Description

The "55" Style Skylight station wagons have a full width folding second seat on which the seat back

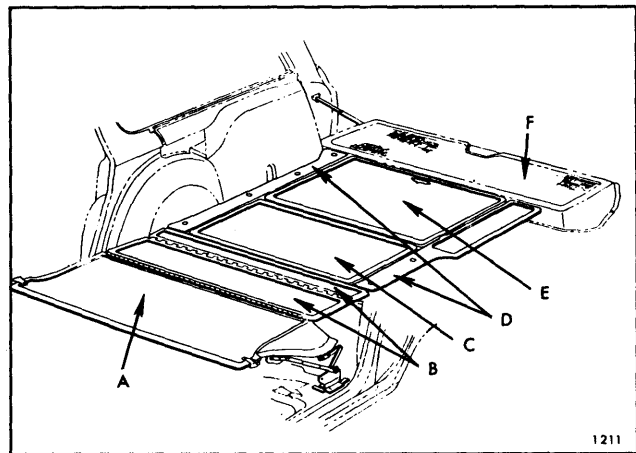


Fig. 15-72—Folding Seat and Rear Compartment Floor Panels - "A-55" Style Station Wagons

- A. Folding Second Seat Back Panel
- B. Rear Floor Filler Panel Assembly
- C. Rear Compartment Floor Panel
- D. Rear Compartment Side Pan Cover Panel - Right and Left
- E. Luggage Compartment Cover Panel
- F. Tail Gate Inner Cover Panel

folds flush with the floor panels. A luggage compartment is provided under the luggage compartment floor panel. Figure 15-72 identifies the major load floor panels on the "55" Style station wagon.

A split folding second seat - 1/3 (left side), 2/3 (right side) is available as an option on the "55" Style Skylight station wagon.

The service procedures for the "55" Style station wagon folding second seat are the same as for the "35" Style station wagon folding second seat.

The "65" Style station wagons have a full folding split second seat - 1/3 (right side), 2/3 (left side).

Both sections of the folding second seat are hinged to the floor pan and can be folded forward to provide entrance room into the third seat area. Also both sections of the folding second seat back can be folded flush with the floor panels. A seat back lock located at the outer linkage of both right and left folding second seat backs, locks the seat backs in the up position and must be released to fold the seats.

The full 3/4 width folding third seat is provided with an over-center lock on the right side linkage.

The lock handle is depressed to lock the seat in the up position and pulled forward to release the lock and allow the seat to be folded.

Figure 15-73 identifies the major load floor panels on the "65" Style Skylight station wagon.

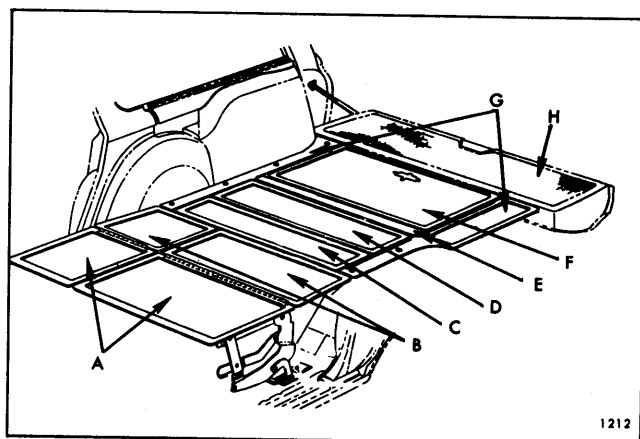


Fig. 15-73—Folding Seats and Rear Compartment Floor Panels - "A-65" Style Station Wagon

- A. Folding Second Seat Back Panel - Left and Right
- B. Rear Floor Filler Panel - Left and Right
- C. Rear Floor Filler (at Kick-Up) Panel
- D. Folding Third Seat Back Panel Assembly
- E. Luggage Compartment Filler Panel
- F. Luggage Compartment Cover Panel
- G. Compartment Side Panel Cover - Right and Left
- H. Tail Gate Inner Cover Panel

FOLDING SECOND SEAT ASSEMBLY— Right or Left Seat—"65" Styles

Removal and Installation

1. Remove rear door sill plate and turn back floor carpeting sufficiently to gain access to nuts securing folding seat front and rear linkage to floor pan (Figs. 15-74 and 15-75).
2. Mark position of seat front and rear linkage supports on floor pan to facilitate installation of seat in same position.
3. Remove nut and washer assemblies securing front and rear linkage to floor pan (Figs. 15-74 and 15-75); then, remove seat assembly from body.
4. To install seat assembly, reverse removal procedure. Align linkage floor pan supports with previously made marks prior to tightening nuts.

FOLDING SECOND SEAT CUSHION ASSEMBLY—Right or Left Side— "65" Styles

Removal and Installation

1. Remove folding second seat assembly from car, as previously described and place on a clean surface.

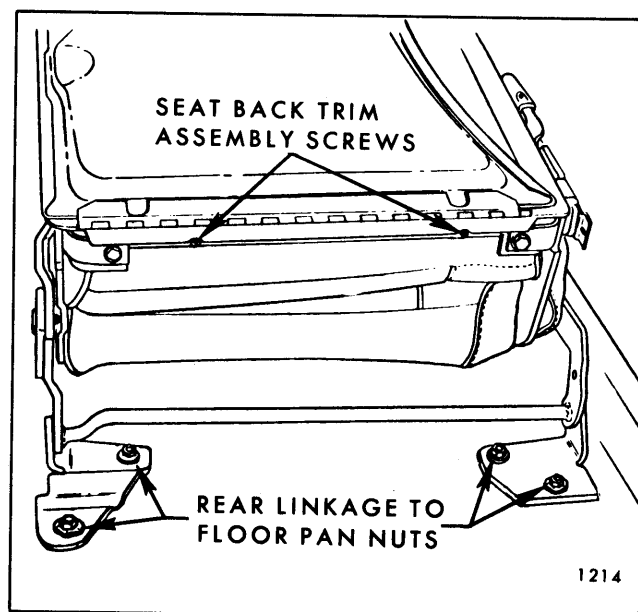


Fig. 15-74—Folding Second Seat Rear Linkage

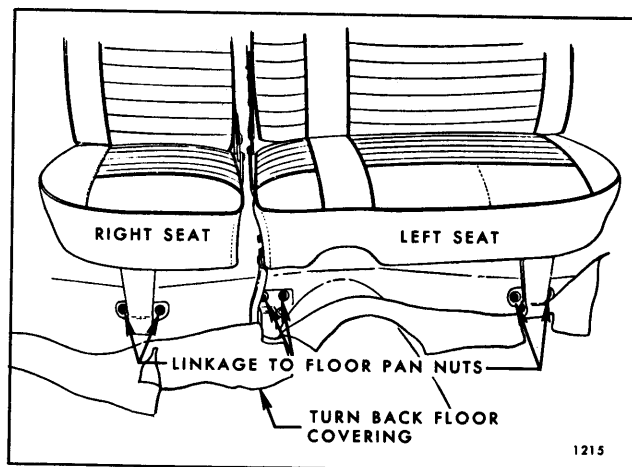


Fig. 15-75—Folding Second Seat Front Linkage

2. Remove hog rings and detach outboard rear portion of trim sufficiently to remove three screws securing seat outer link to cushion frame (Fig. 15-76).
3. Remove three screws securing seat inner link to cushion frame (Fig. 15-77); then remove seat cushion and frame assembly from linkage. If required, remove cushion front and rear floor pan linkage.
4. To install, reverse removal procedure.

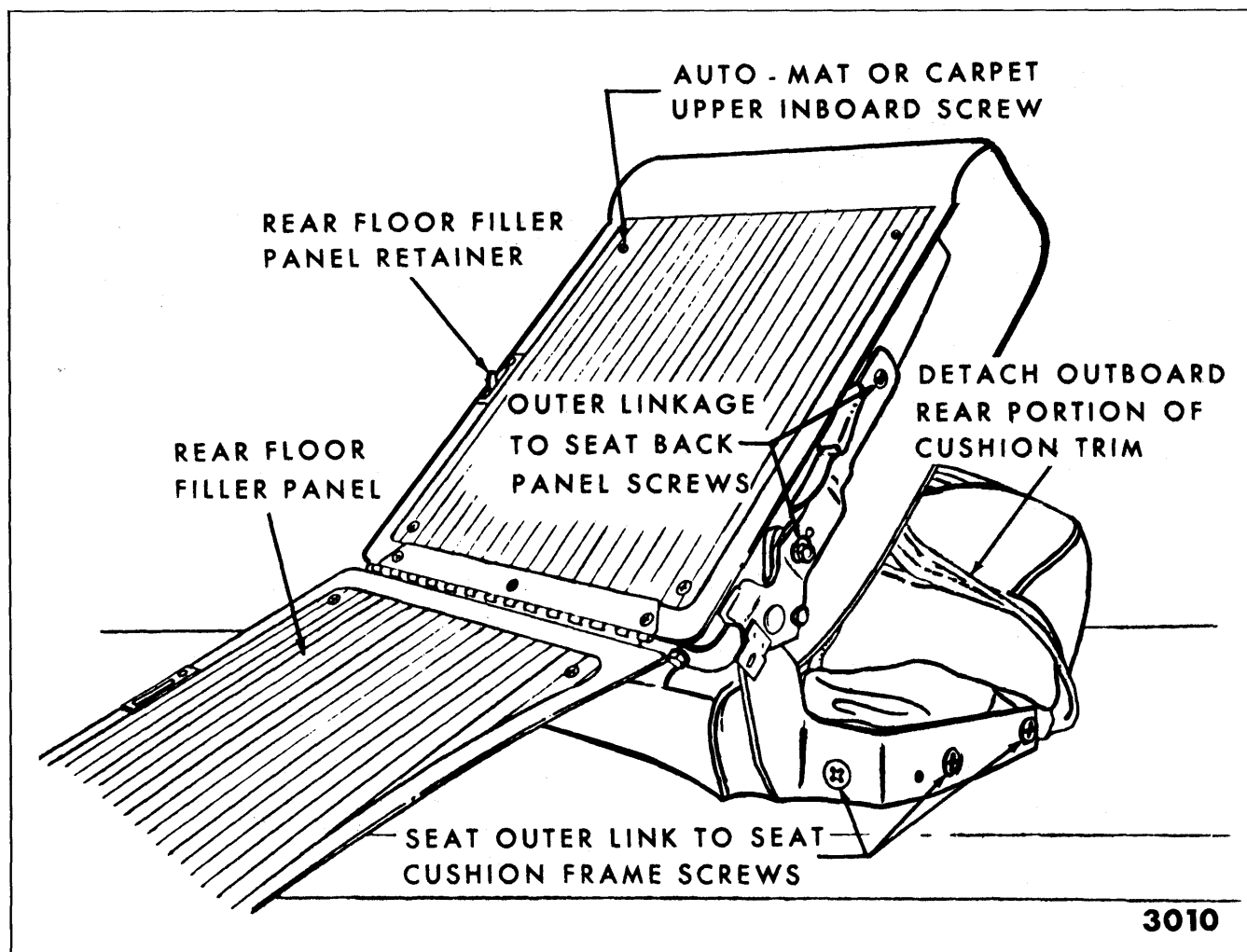


Fig. 15-76—Folding Second Seat Cushion Assembly (Right or Left Side) - "65" Styles

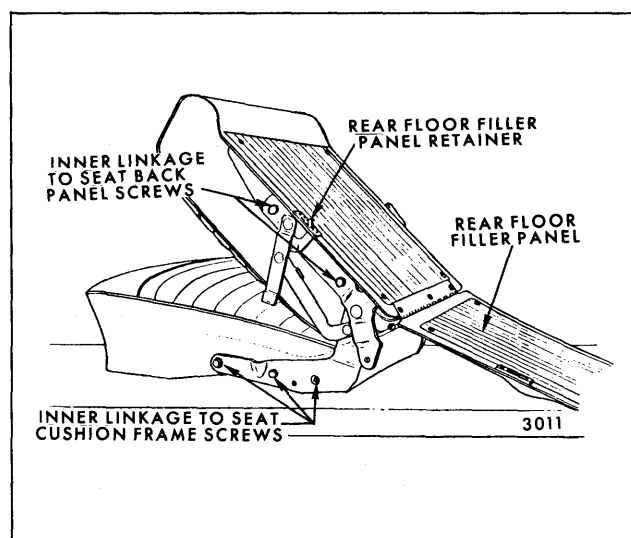


Fig. 15-77—Folding Second Seat Cushion Assembly (Right or Left Side) - "65" Styles

FOLDING SECOND SEAT BACK TRIM AND SPRING ASSEMBLY—Right or Left Seat—"65" Styles

Removal and Installation

1. Fold second seat back forward.
2. Remove seat back trim assembly attaching screws. (See Fig. 15-74.)
3. Raise seat back; then, pull seat back trim assembly upward to disengage wire loops at top of seat back trim from slots in seat back panel.

NOTE: If seat back trim does not readily disengage from seat back panel, fold rear floor filler panel down and remove upper inboard screw securing automat or carpet (Fig. 15-76). Then remove seat back trim assembly.

4. To install seat back trim assembly, reverse removal procedure.

FOLDING SECOND SEAT FRONT FLOOR PAN LINKAGE—Right or Left Seat—"65" Styles

Removal and Installation

1. Place seat in an up position. Turn back floor carpet sufficiently to gain access to front linkage floor pan attaching nuts.
2. Mark location of front linkage support on floor pan to facilitate installation in same position. Support front of seat. Remove bolts securing linkage to seat and nuts securing linkage to floor pan studs (See Fig. 15-75); then, remove front linkage.
3. To install, reverse removal procedure making sure linkage support on floor pan is aligned with previously made alignment mark.

FOLDING SECOND SEAT REAR FLOOR PAN LINKAGE—Right or Left Seat—"65" Styles

Removal and Installation

1. Remove folding second seat assembly from car as previously described and place on a clean surface.
2. Remove screws securing rear floor pan linkage to each side of seat cushion frame (Fig. 15-78); then, remove linkage assembly from seat.
3. To install, reverse removal procedure. Inserts in Figure 15-78 show relationship of linkage, bushings and attaching screws.

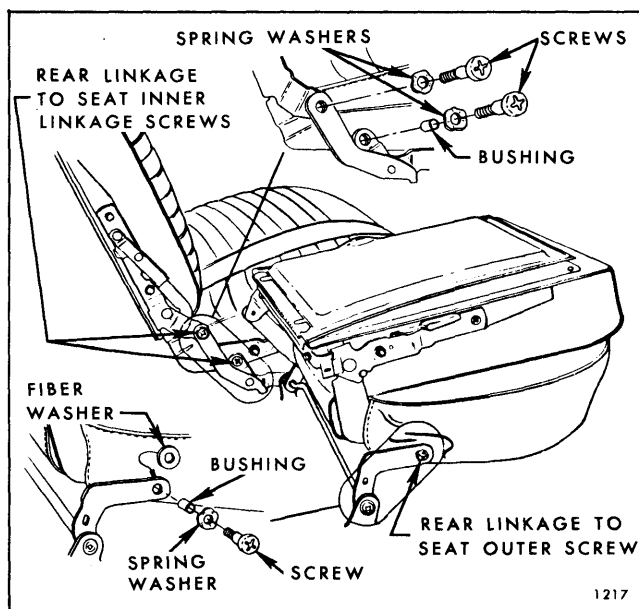


Fig. 15-78—Floor Pan Rear Linkage

FOLDING SECOND SEAT SIDE INNER LINKAGE—Right or Left Seat—"65" Styles

Removal and Installation

1. Remove folding second seat assembly from car as previously described and place on a clean surface.
2. Remove floor pan rear linkage-to-seat inner linkage attaching screws (Fig. 15-78).
3. Remove seat inner linkage-to-seat back panel and seat cushion frame attaching screws (See Fig. 15-77); then, disengage and remove side linkage from seat.
4. To install, reverse removal procedure. Make sure rear floor filler panel retainer is inserted through slot in seat back panel prior to installing inner linkage-to-seat back panel attaching screws.

FOLDING SECOND SEAT SIDE OUTER LINKAGE—Right or Left Seat—"65" Styles

Removal and Installation

1. Remove folding second seat assembly from car as previously described and place on a clean surface.
2. Remove outer linkage cover. Remove screw securing seat rear floor pan linkage to seat outer attaching screw (Fig. 15-78).
3. Remove hog rings and detach rear portion of trim sufficiently to remove three screws securing outer linkage to seat cushion frame. (See Fig. 15-76.)
4. Remove outer linkage-to-seat back panel attaching screws (See Fig. 15-76); then, remove linkage and seat back catch from seat.
5. To install, reverse removal procedure. Install seat back lock and spring as described under "Folding Second Seat Back Lock - Removal and Installation".

FOLDING SECOND SEAT BACK LOCK—Right or Left Seat—"65" Styles

Removal

1. Remove seat back trim assembly, as previously described. Remove outer linkage cover.
2. Remove outer linkage-to-seat back panel attaching screws (See Fig. 15-76).
3. Remove lock handle, spring and bushing from linkage.

Installation

1. Position bushing and spring on lock handle.
2. Install lock handle, bushing and spring into position between seat back panel and outer linkage making sure end of spring is engaged in hole in outer link (Fig. 15-79).
3. Install lock handle attaching screw; then, install outer linkage to seat back panel attaching screws (Fig. 15-76).
4. Install seat back trim assembly and outer linkage cover.

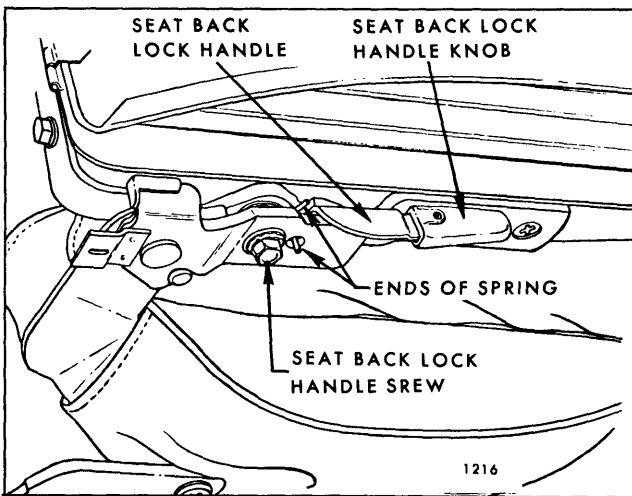


Fig. 15-79—Seat Back Lock

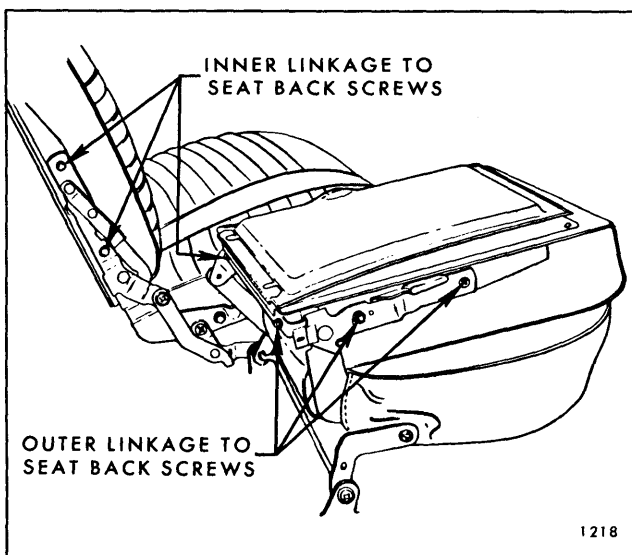


Fig. 15-80—Seat Inner and Outer Linkage

FOLDING SECOND SEAT BACK PANEL AND FILLER PANEL—Right or Left Seat—“65” Styles

Removal and Installation

1. Remove seat back trim assembly, as previously described. Remove outer linkage cover.
2. Remove outer and inner linkage to seat back attaching screws (Fig. 15-80). Remove seat back lock handle, spring and bushing from between outer linkage and seat back panel; then, remove seat back panel and rear floor filler panel from linkage.
3. To install, reverse removal procedure. To install seat back lock refer to "Folding Second Seat Back Lock - Installation".

FOLDING THIRD SEAT AND FLOOR PANEL ASSEMBLY—“65” Styles

Removal and Installation

1. Raise folding third seat. Remove rear compartment left side panel. (See Fig. 15-73.)
2. Remove seat back linkage-to-compartment side pan attaching bolt (Fig. 15-81) at both right and left sides of seat.
3. At left side of seat remove seat back hinge pin retainer (Fig. 15-81).
4. Carefully move seat back assembly to the left sufficiently to disengage right seat back hinge pin from hinge pin retainer; then, remove folding third seat assembly from body and place on a clean surface.
5. To install folding third seat and floor panel assembly, reverse removal procedure. Make sure a seat back hinge pin bushing is installed over both hinge pins. Also install flat washer between seat back linkage and compartment side pan and spring washer between linkage and bolt head (Fig. 15-81).

FOLDING THIRD SEAT CUSHION TRIM ASSEMBLY—“65” Styles

Removal and Installation

1. Raise folding third seat. Raise front of third seat cushion and prop in up position.
2. Remove hog rings securing seat back trim flap to bottom of seat cushion (Fig. 15-82).

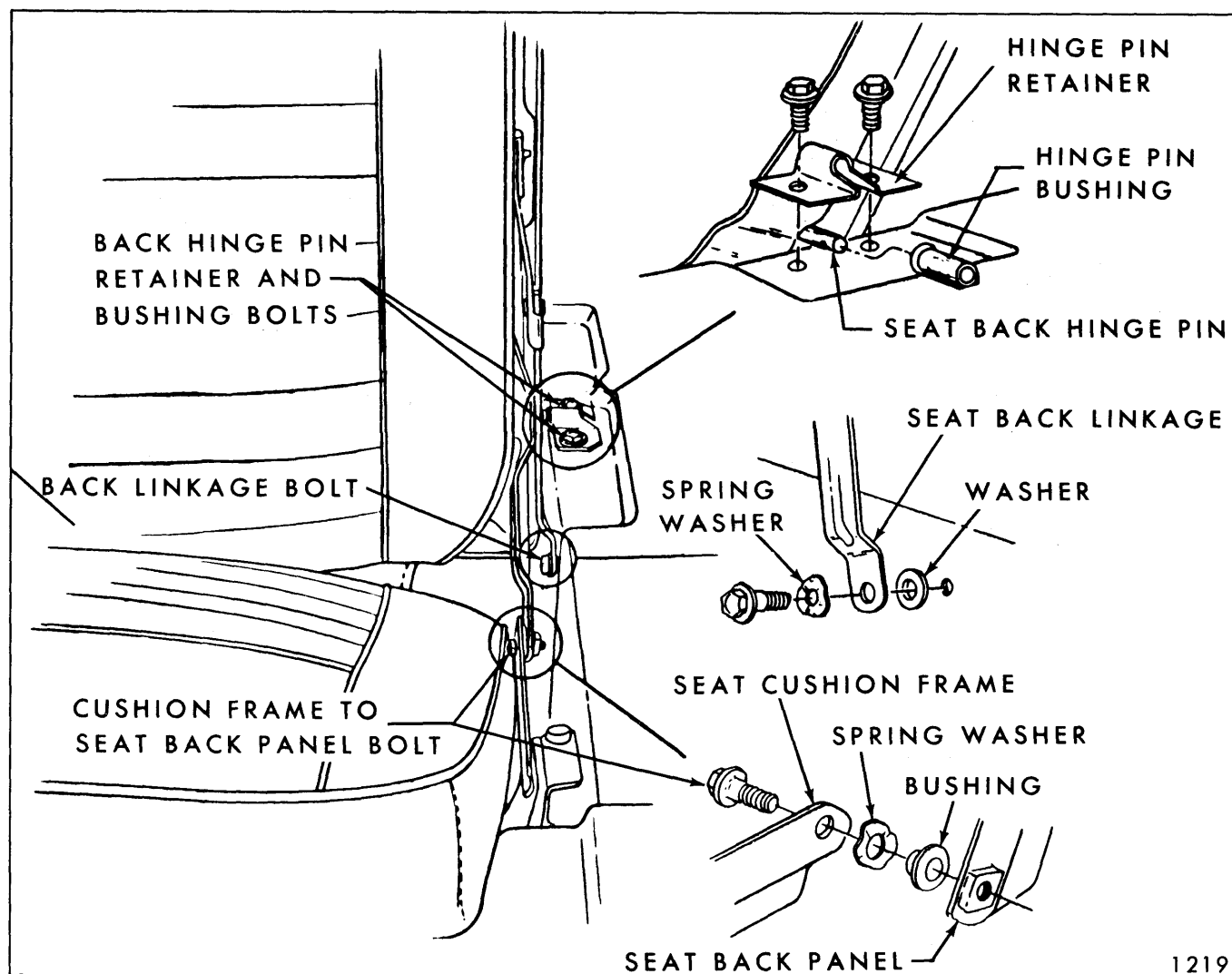


Fig. 15-81—Folding Third Seat

3. Remove seat cushion frame-to-seat back panel attaching bolt (Fig. 15-81) from both sides of seat; then, remove seat cushion assembly and place on a clean surface.
4. As a bench operation remove hex-head screws securing seat cushion trim to seat cushion frame (Fig. 15-82) and three screws securing rear edge of seat cushion trim to seat cushion frame; then, remove cushion trim assembly from cushion frame.
5. To install, reverse removal procedure. When installing seat cushion frame-to-seat back frame attaching bolts install bolt bushing and spring washer, as shown in insert of Figure 15-81.

FOLDING THIRD SEAT BACK TRIM ASSEMBLY OR SEAT BACK PANEL ASSEMBLY—"65" Styles

Removal and Installation

1. Remove folding third seat and floor panel assembly, as previously described, and place on a clean surface.
2. Remove hog rings securing seat back trim flap to bottom of seat cushion (Fig. 15-82).
3. To remove seat back trim assembly remove seat back trim-to-seat back panel attaching screws (Fig. 15-82); then, lift trim assembly upward to disengage wire loops on seat back trim from slots in seat back panel and remove trim assembly.

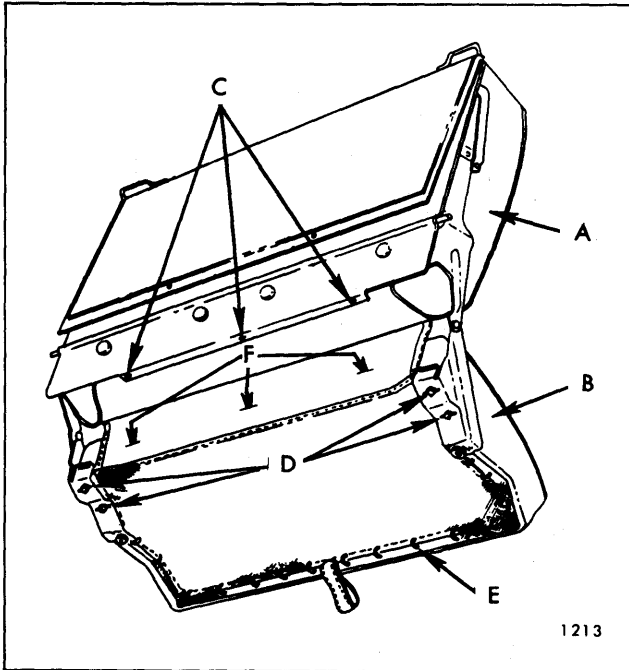


Fig. 15-82—Folding Third Seat Assembly

- A. Third Seat Back
- B. Third Seat Cushion
- C. Seat Back Trim to Seat Back Panel Attaching Screws
- D. Cushion Trim to Cushion Frame Attaching Screws
- E. Hog Rings Securing Seat Back Trim Flap
- F. Location of Cushion Trim to Cushion Frame Attaching Screws (Under Trim Flap)

4. To remove seat back panel assembly, remove seat cushion frame-to-seat back panel attaching bolt (Fig. 15-81); then, remove seat back panel with attached rear floor filler (at kick-up) panel from seat cushion.
5. To install, reverse removal procedure. Refer to inserts in Figure 15-81 for correct installation of linkage bolts, bushings and spring washers.

LUGGAGE COMPARTMENT COVER PANEL AND FILLER PANEL—"65" Styles

Removal and Installation

1. Raise luggage compartment cover panel and support cover panel in up position.
2. Remove five hex-head screws securing cover panel to cross bar; then remove luggage compartment cover panel and filler panel.
3. To install, reverse removal procedure.

SEAT BELTS AND SHOULDER STRAPS

GENERAL INFORMATION—All Styles

Front and rear seat belts and front seat shoulder straps are provided on all styles. Rear seat shoulder straps and station wagon second and third seat shoulder straps are available as optional equipment or as a dealer installed accessory.

1/2 inch - 13 UNC - 2A bolts are specified for all anchorages. Proper care of seat belts and shoulder straps will provide added security to driver and passengers.

1. Seat belts must be serviced in matched sets.
 - a. DO NOT replace only one-half of seat belt or shoulder strap set.
 - b. DO NOT intermix standard and deluxe seat belts or shoulder straps on front or rear seats.
2. Keep sharp edges and damaging objects away from seat belts or shoulder straps.

3. Use caution not to bend or damage any portion of the belt buckle or latch.
4. Do not bleach or re-dye belt webbing (clean with a mild soap solution and water).
5. When installing seat belt or shoulder strap anchor bolt, start bolt by hand to assure that bolt is threaded straight.
6. Tighten seat belt or shoulder strap anchor bolts to specified torque - 24 to 45 ft. lbs.

IMPORTANT: Specified 1/2 inch - 13 UNC - 2A bolts must be used for all anchorages.

Removal and Installation

The locations and types of seat belts and shoulder strap anchorages used on 1968 styles are shown in Figures 15-83 through 15-90.

To remove seat belts or shoulder straps, remove anchor provisions as illustrated (Figs. 15-83 through 15-93) for style involved.

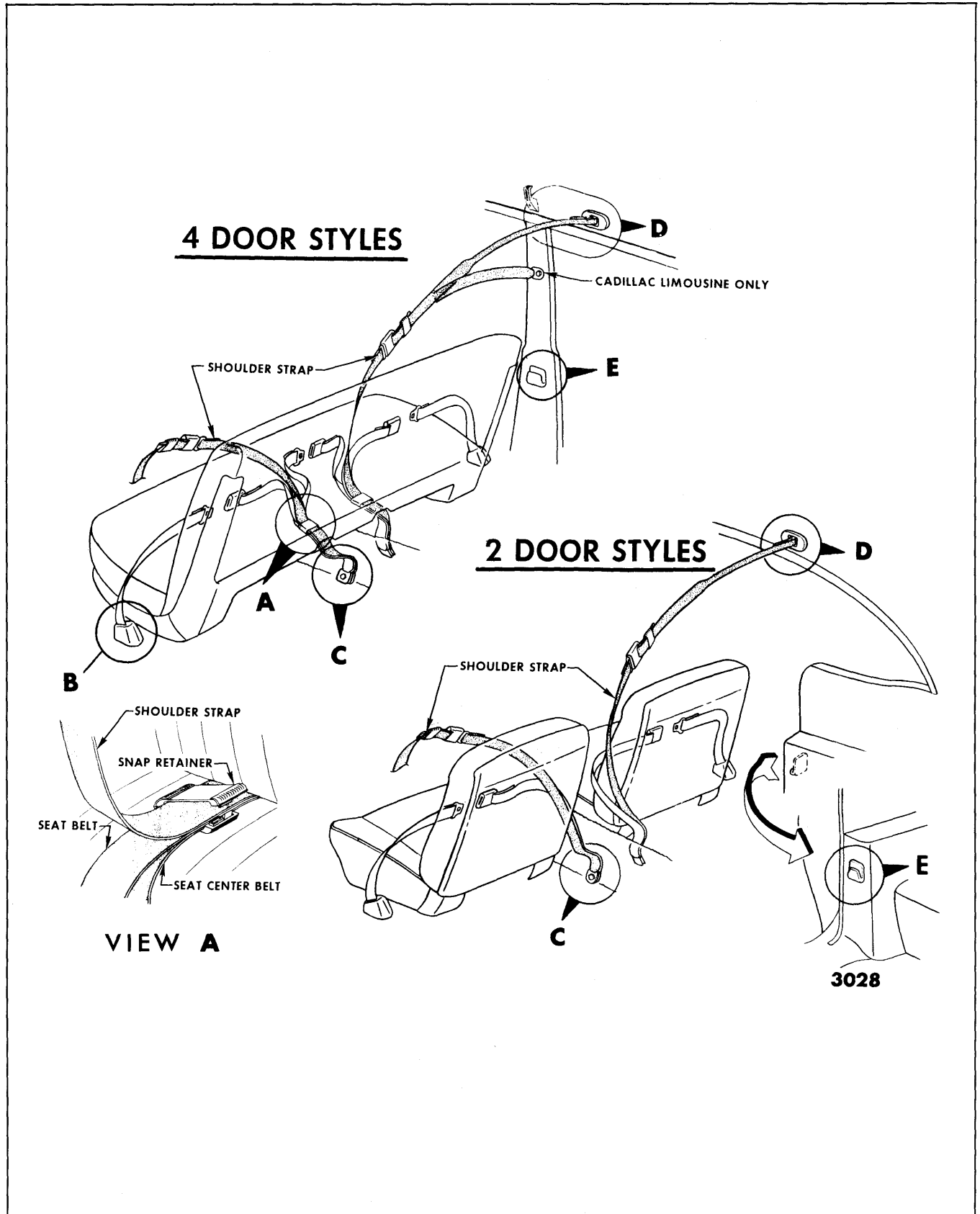
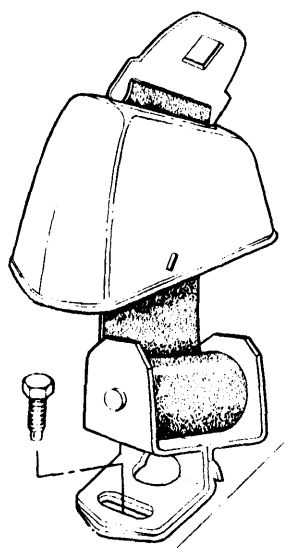
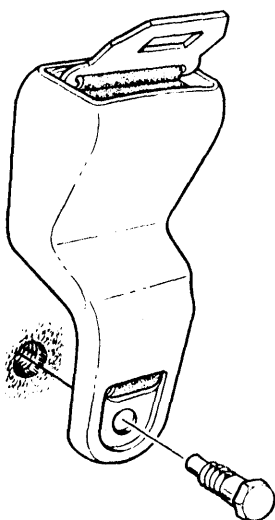


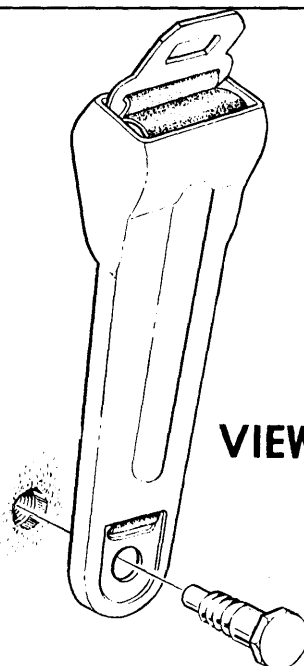
Fig. 15-83—Front Seat Belts and Shoulder Straps (All Styles Except Convertibles)



ALL EXCEPT CAMARO,
CORVAIR & FIREBIRD



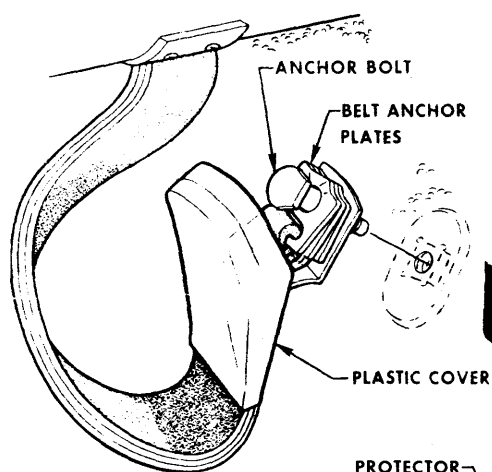
CAMARO & FIREBIRD



VIEW B

CORVAIR

NOTE - SPECIFIED 1/2 INCH-13 UNC-2A BOLTS MUST
BE USED WITH 1968 FLOOR ANCHORAGES.
THESE BOLTS MEET LEGAL REQUIREMENTS AND,
ARE AVAILABLE FROM YOUR G.M. DEALER

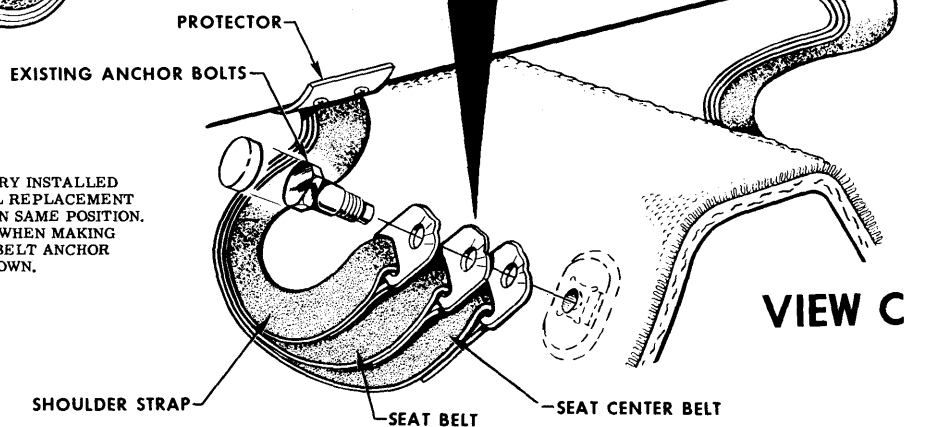


VIEW C
WITH PLASTIC COVER

ANCHOR BOLT
BELT ANCHOR
PLATES
PLASTIC COVER

NOTE-

CHECK POSITION OF FACTORY INSTALLED
BELT ANCHOR AND INSTALL REPLACEMENT
BELT AND ANCHOR PLATE IN SAME POSITION.
CARE MUST BE EXERCISED WHEN MAKING
REPLACEMENT THAT ALL BELT ANCHOR
PLATES INTER-LOCK AS SHOWN.



VIEW C

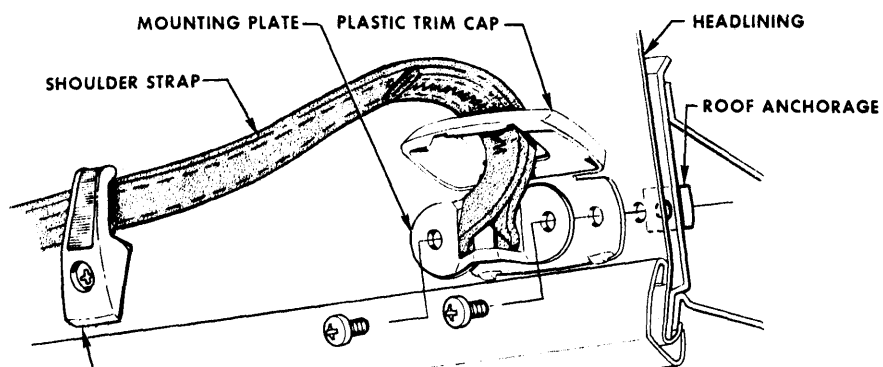
PROTECTOR
EXISTING ANCHOR BOLTS
SHOULDER STRAP
SEAT BELT
SEAT CENTER BELT

FLOOR ANCHORAGE

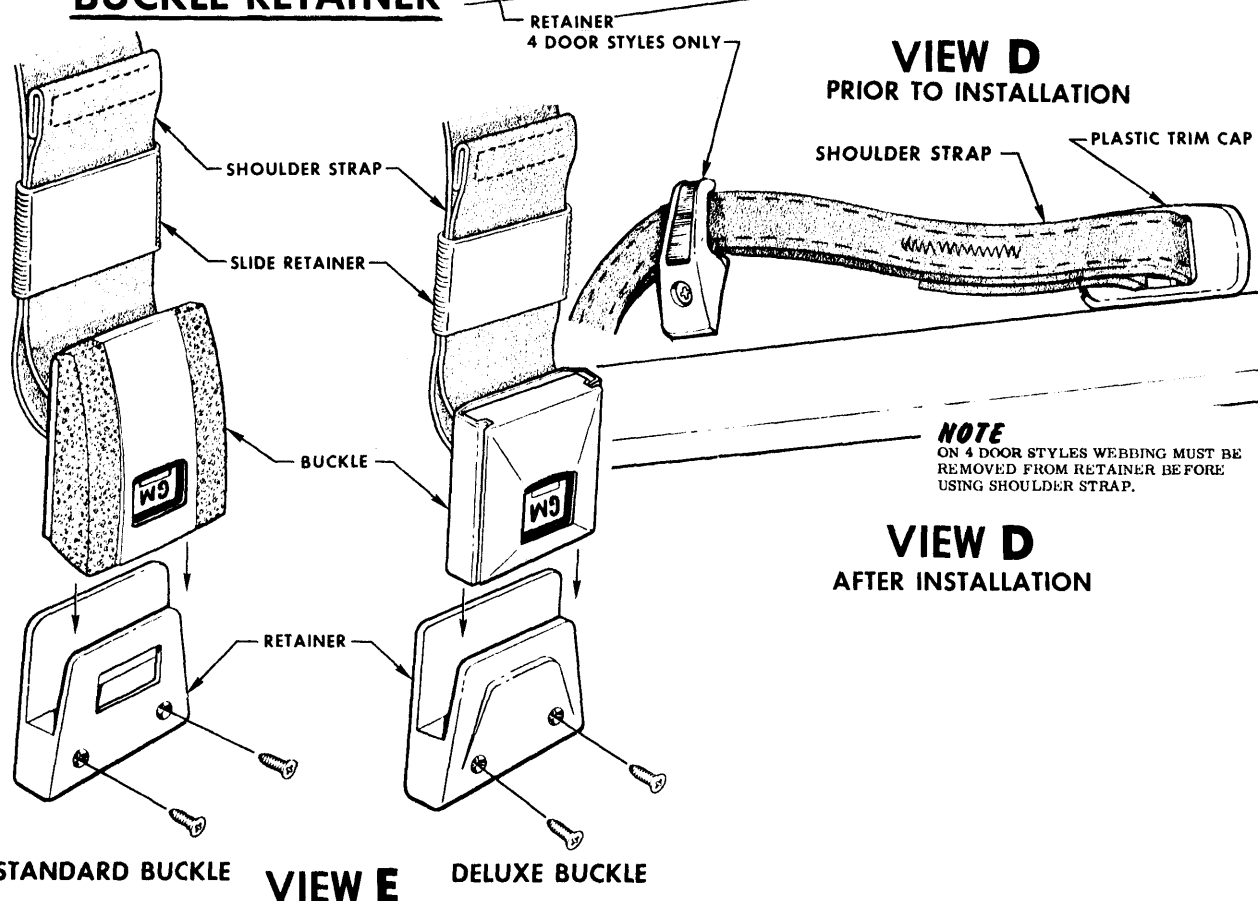
3029

Fig. 15-84—Front Seat Belt Floor Anchorage

ROOF ANCHORAGE



BUCKLE RETAINER



NOTE: LAP BELT MUST BE WORN WHEN USING A SHOULDER STRAP 3030

Fig. 15-85—Shoulder Strap Roof Anchorage and Buckle Retainer

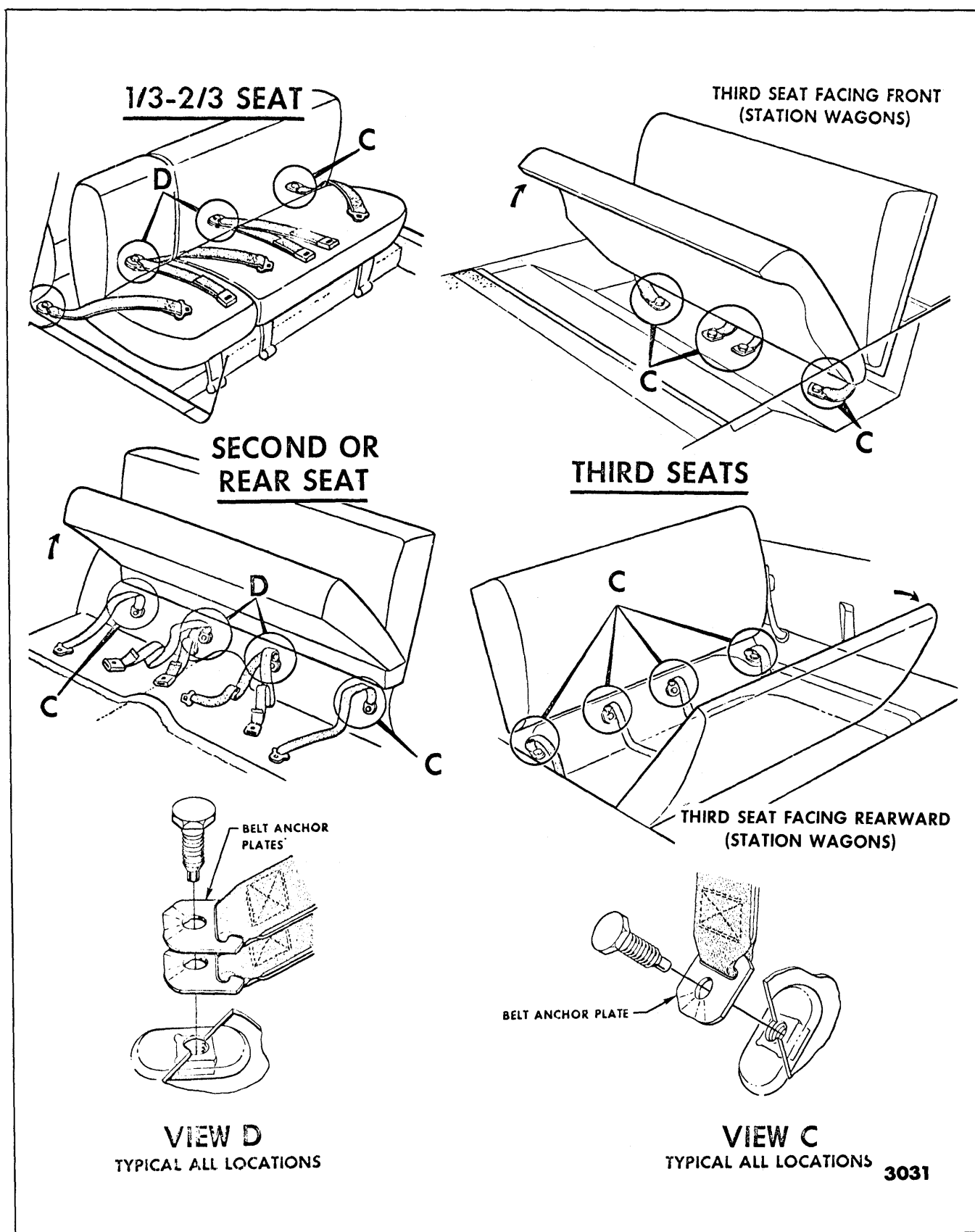


Fig. 15-86—Seat Belts - Station Wagon Second and Third Seats

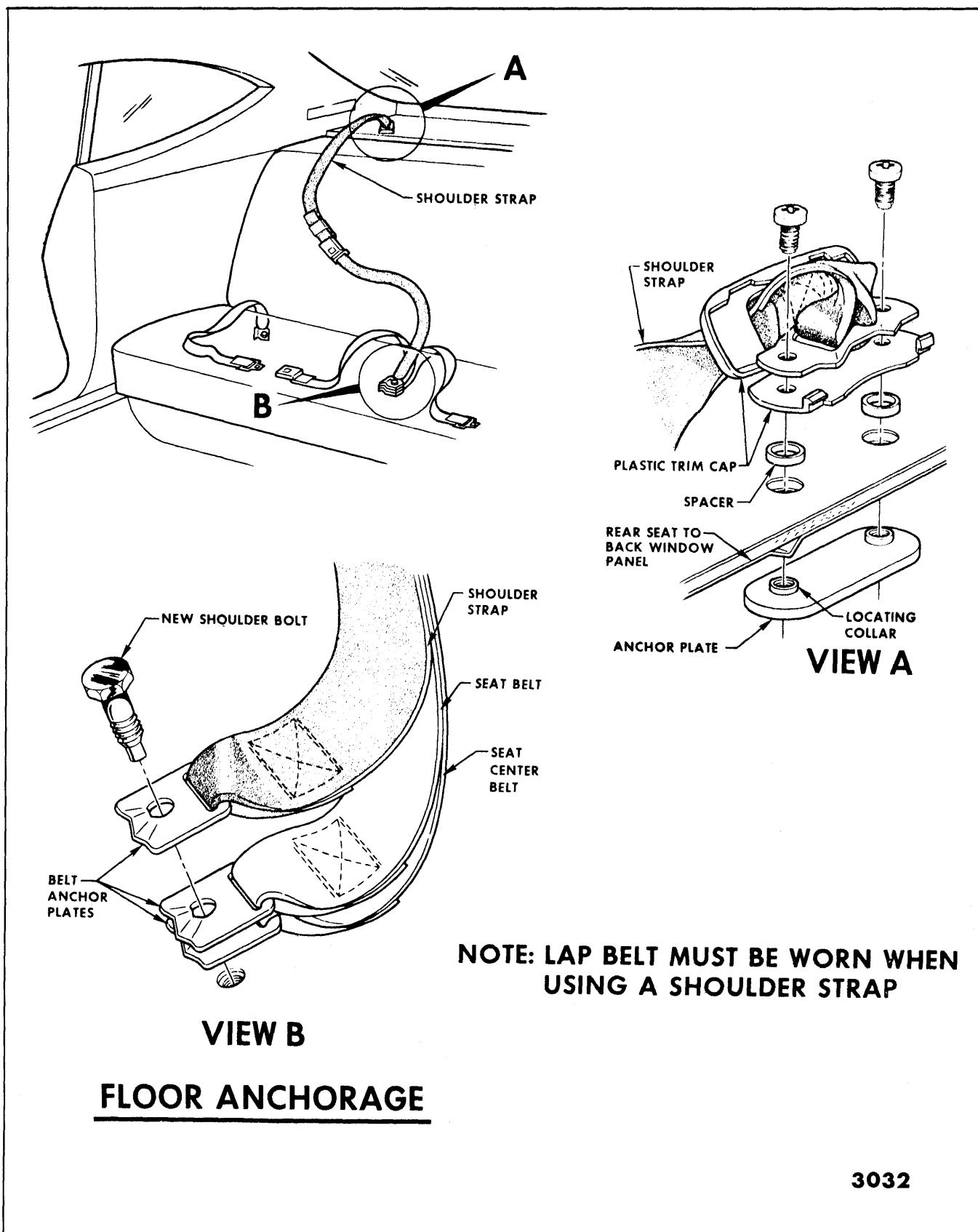
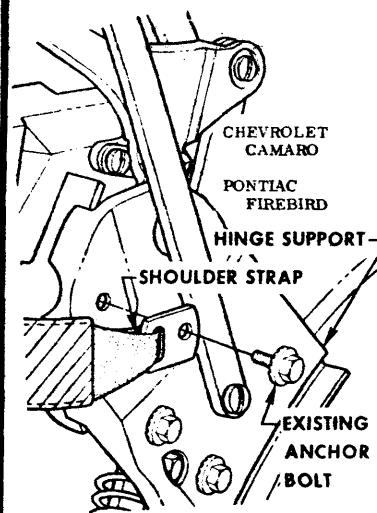
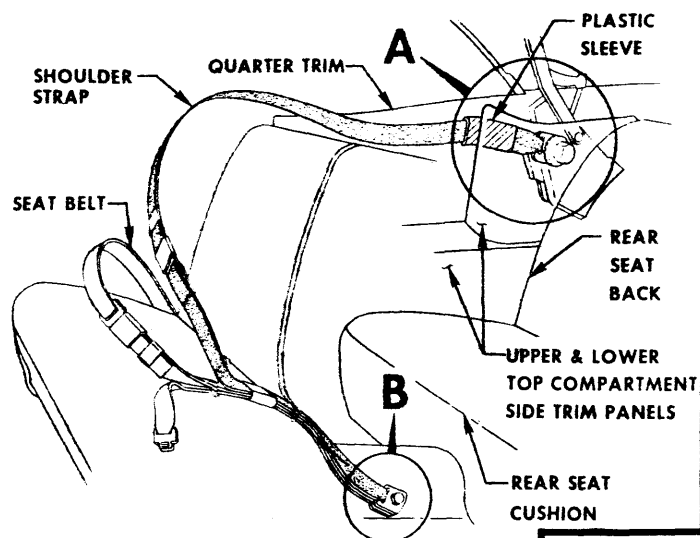
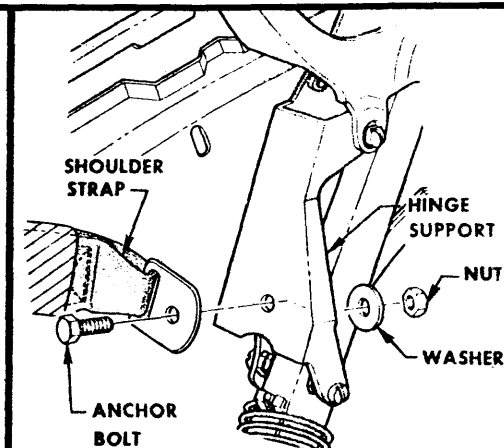


Fig. 15-87—Rear Seat Shoulder Strap (Typical Installation - All Styles Except Station Wagons and Convertibles)

QUARTER ANCHORAGE



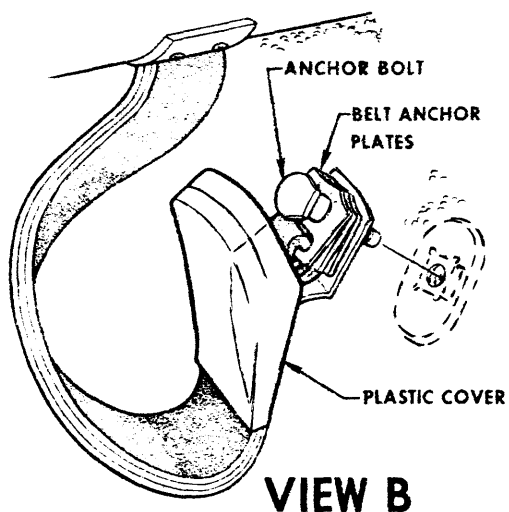
VIEW A



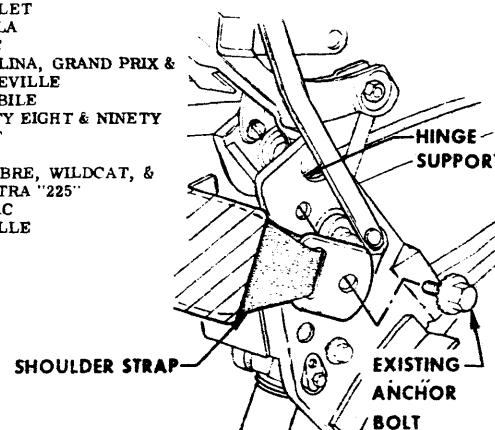
VIEW A

CHEVROLET CHEVELLE
PONTIAC TEMPEST, LEMANS & GTO
OLDSMOBILE F85, CUTLASS & 442
BUICK SKYLARK & GRAN SPORT

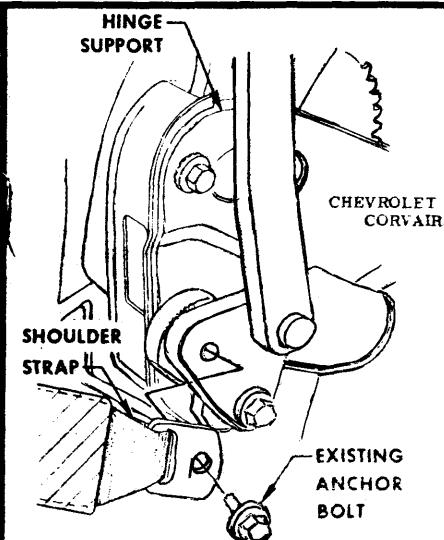
FLOOR ANCHORAGE



CHEVROLET IMPALA
PONTIAC CATALINA, GRAND PRIX & BONNEVILLE
OLDSMOBILE EIGHTY EIGHT & NINETY EIGHT
BUICK LA SABRE, WILDCAT, & ELECTRA "225"
CADILLAC DE VILLE



VIEW A

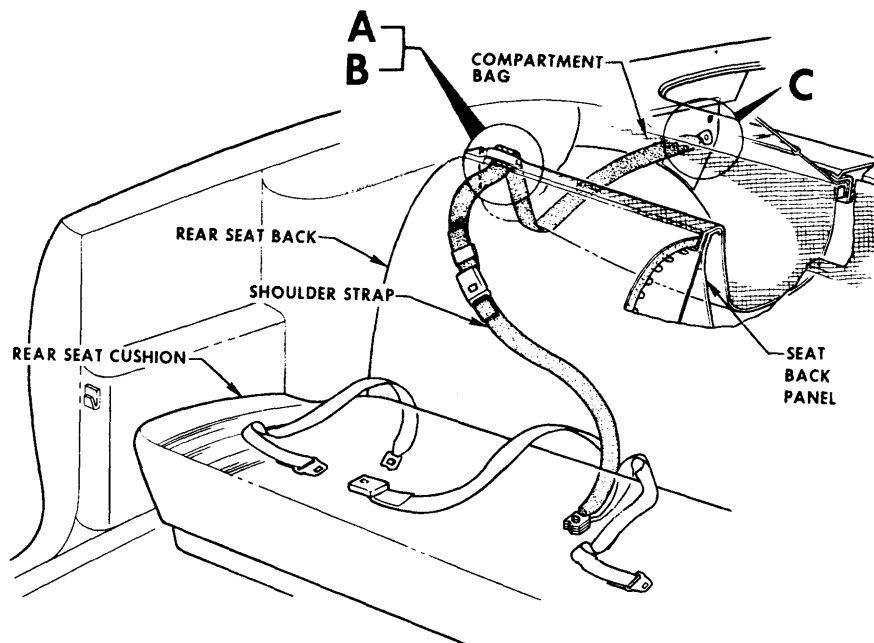


VIEW A

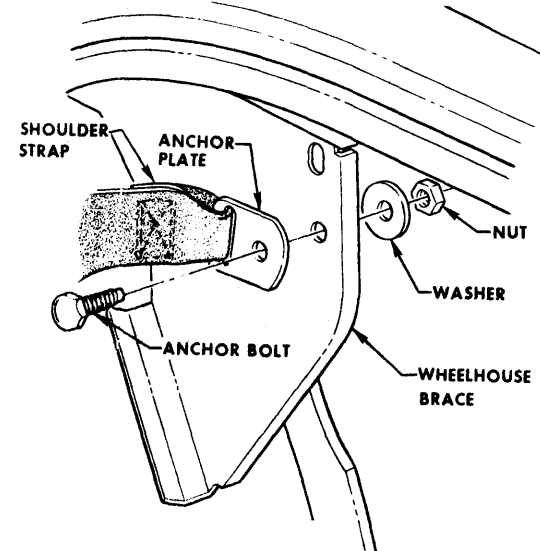
3034

Fig. 15-88—Front Seat Shoulder Straps - Convertible Styles

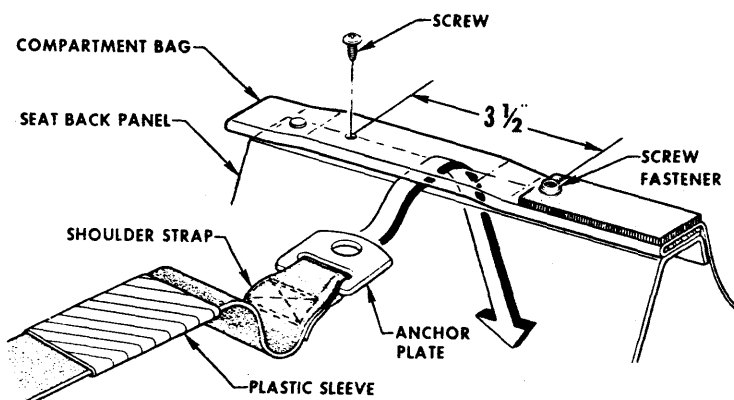
ALL STYLES EXCEPT CORVAIR



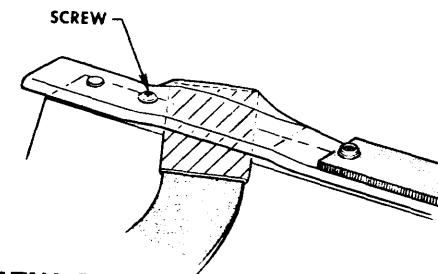
QUARTER ANCHORAGE



VIEW C



VIEW A

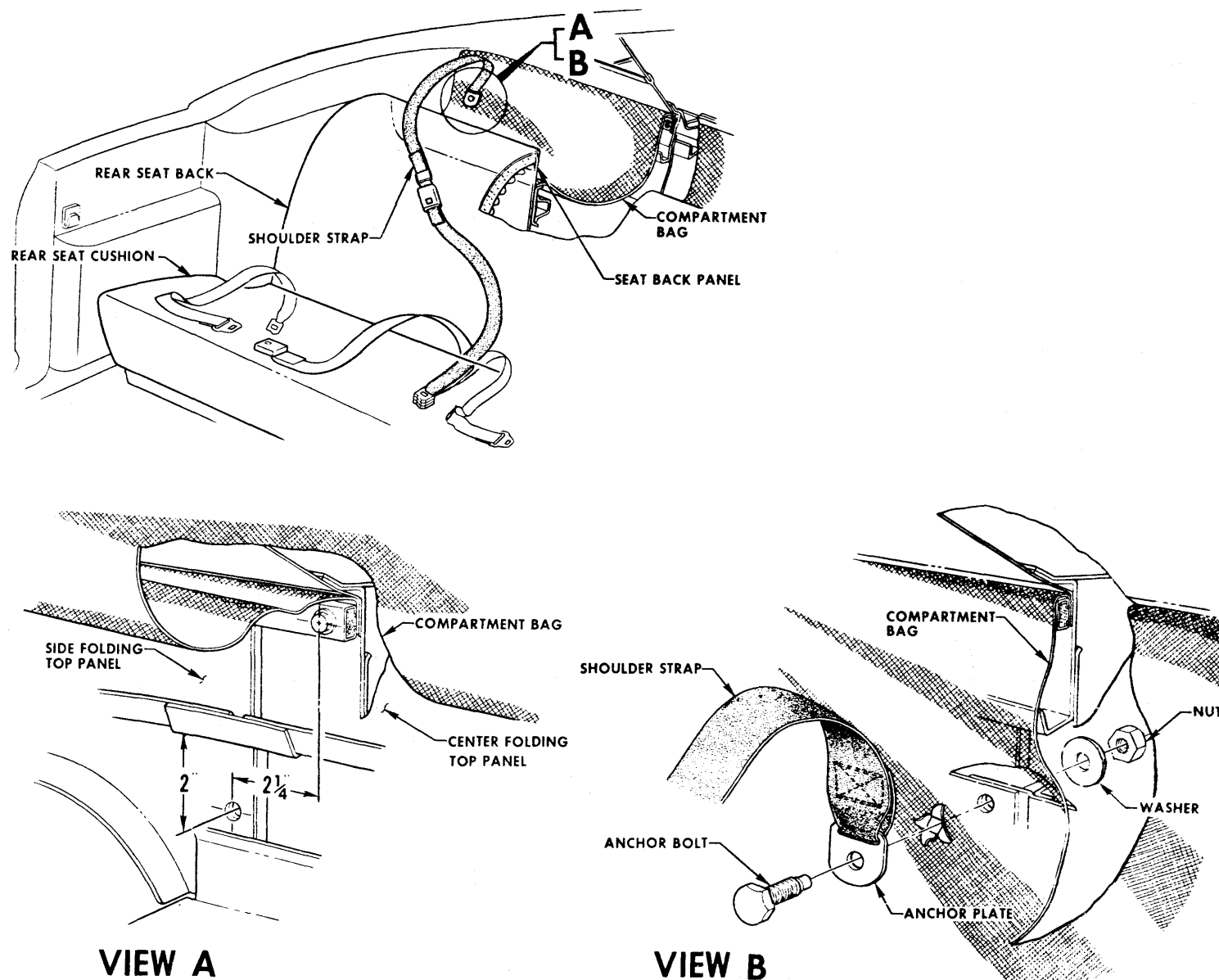


VIEW B

3035

Fig. 15-89—Rear Seat Shoulder Straps - All Convertibles Except Corvairs

CORVAIR STYLES



3036

Fig. 15-90—Rear Seat Shoulder Straps - Corvaire Convertibles

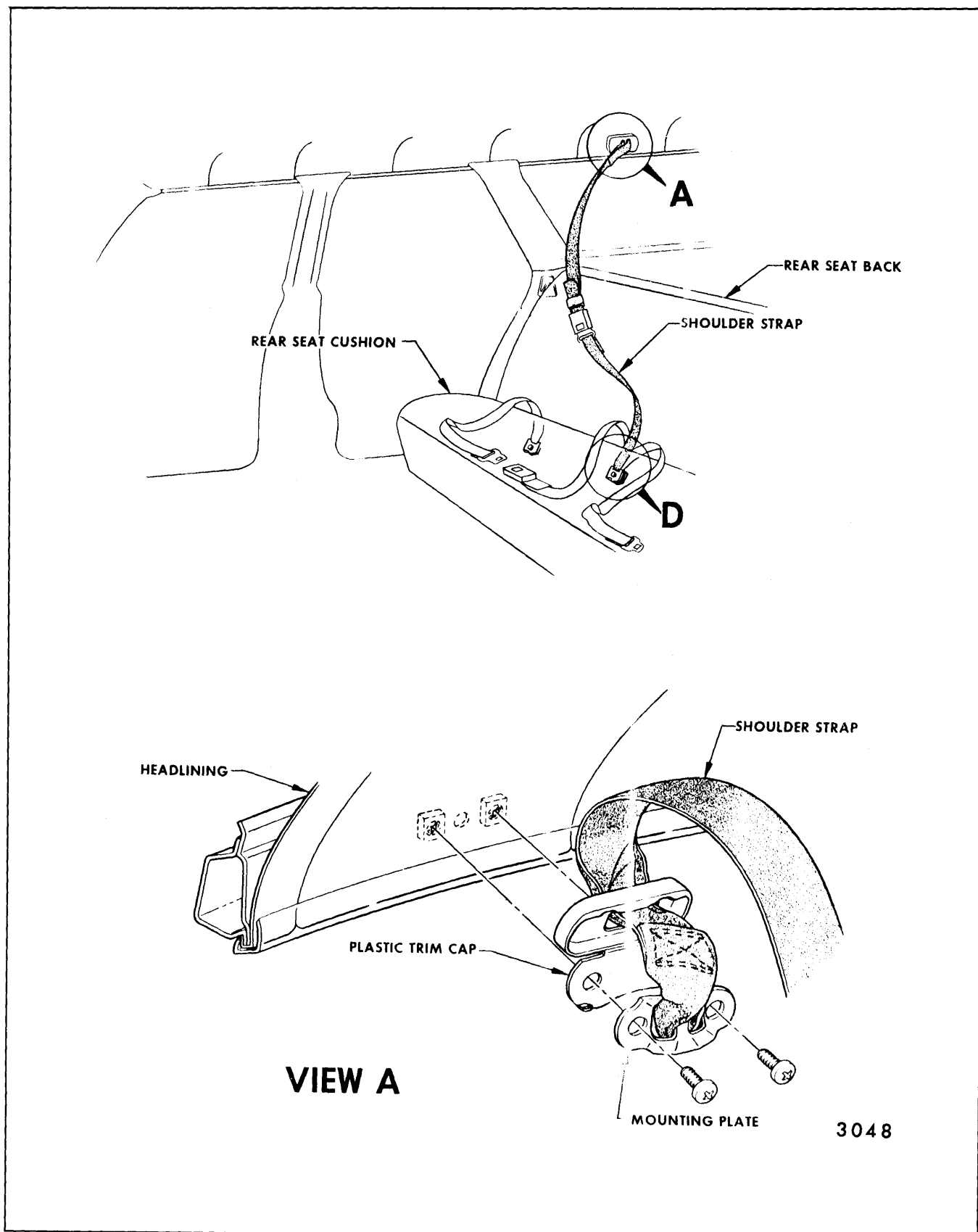


Fig. 15-91—Second Seat Shoulder Straps - "B" Station Wagons

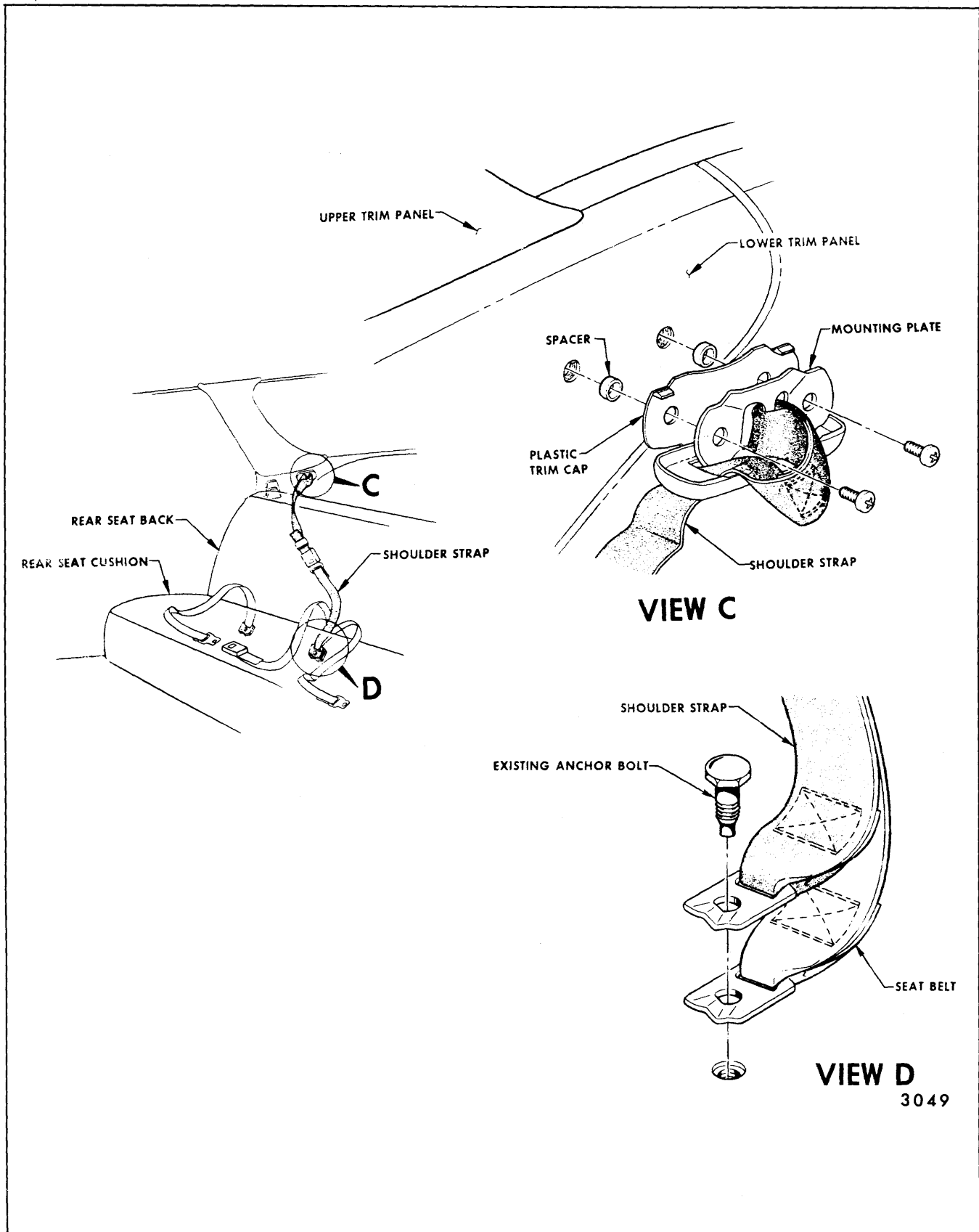


Fig. 15-92—Second Seat Shoulder Straps - "A" Station Wagons

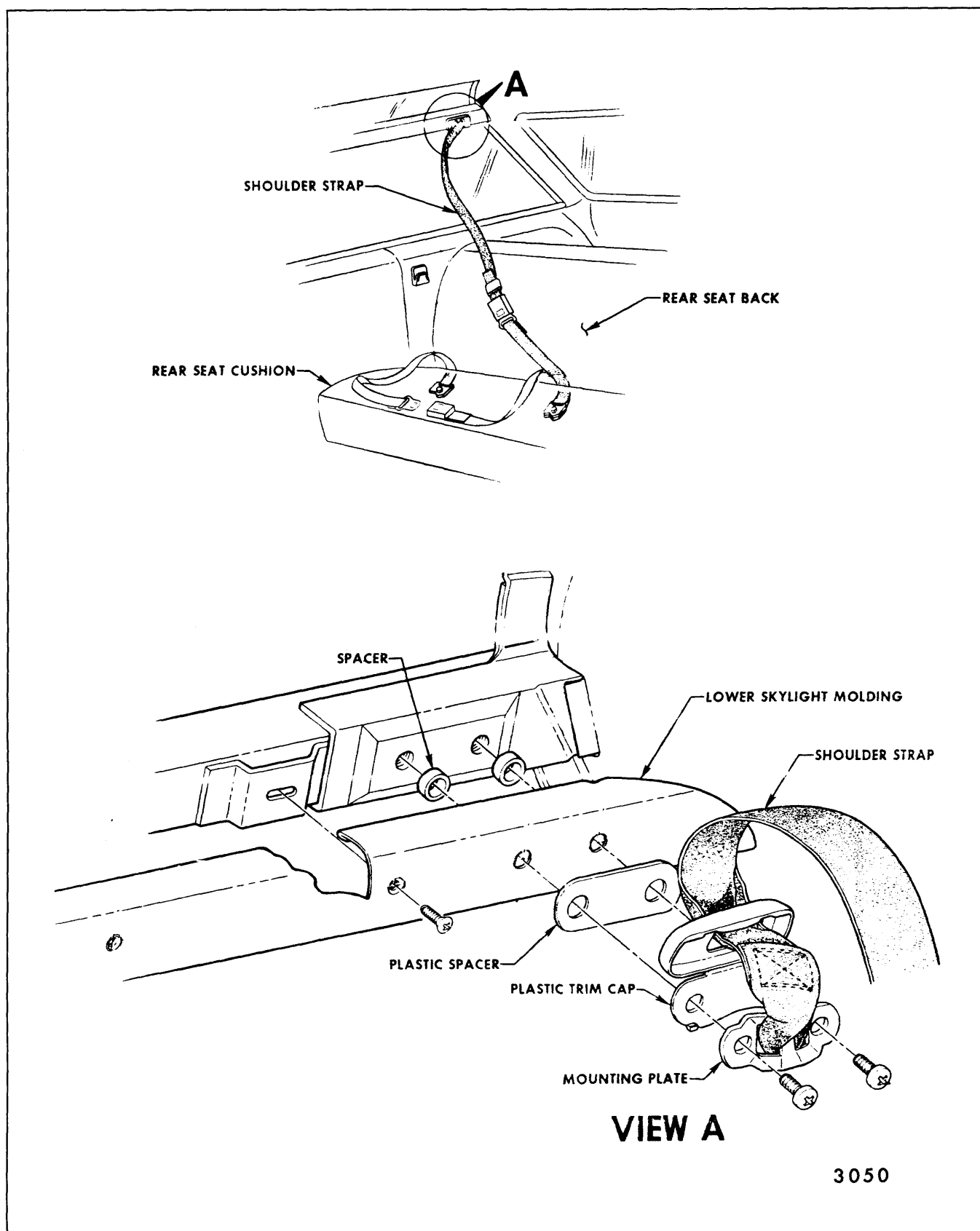


Fig. 15-93—Third Seat Shoulder Straps "A-65" Station Wagon

To remove full width seat inner seat belt(s) from seat, remove plastic trim protector at rear of seat and carefully pull floor anchor end of belt through seat. When installing belts tighten anchor bolts 24 to 45 ft. lbs.

STANDARD SEAT BELT RETRACTOR FLOOR MOUNT

To disengage standard seat belt retractor cover, carefully exert pressure in direction of arrows, Figure 15-94, to disengage the cover from tabs on the retractor. Lift cover to expose seat belt retractor anchor bolt and remove bolt.

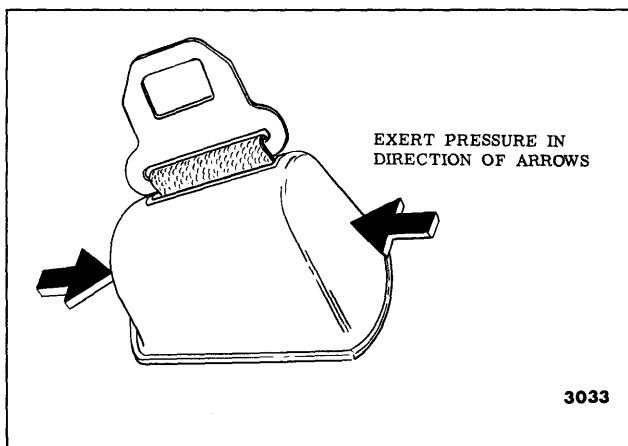


Fig. 15-94—Standard Front Seat Belt Retractor

DELUXE SEAT BELT RETRACTOR FLOOR MOUNT

With belt fully extended, insert screwdriver through belt opening in cover, as shown in Figure 15-95, apply just enough outward pressure to inside of cover adjacent to metal tabs to disengage cover from table. Lift up cover to expose seat belt retractor anchor bolt.

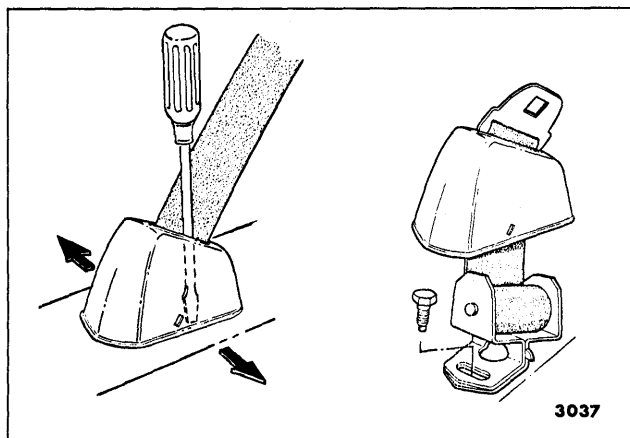


Fig. 15-95—Front Seat Deluxe Belt Retractor

REAR SEAT BELT BAIL TYPE RETRACTOR

As an option, seat belts are available with bail type seat belt retractors on the outboard rear seat belt only.

Removal

1. Extend outboard seat belt to full length.
2. Insert a piece of stiff wire such as a paper clip in slot in roller drum to maintain spring tension of retractor (See Fig. 15-96).

IMPORTANT: Keep wire in slot until retractor is reinstalled. In the event that spring tension is lost, drum on retractor can be turned 8 revolutions by hand to regain spring tension.

3. Using a flat-bladed tool pry open tabs that secure belt webbing on drum and remove retractor from belt (See Fig. 15-96).

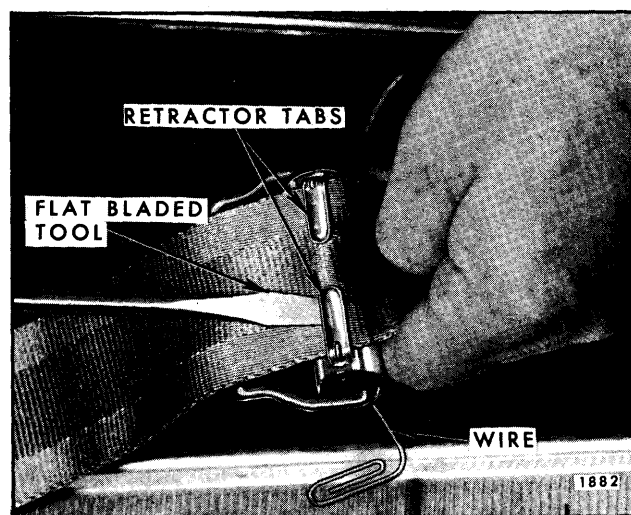


Fig. 15-96—Removal of Bail Type Retractor From Seat Belt

Installation

1. With seat belt fully extended, insert belt under tabs on retractor (tabs of retractor should be on inboard side of belt webbing and bail pointing forward) and position retractor at center of belt webbing.
2. Using pliers, lightly bend down tabs to secure retractor in correct position on belt webbing.
3. Remove wire from slot in drum (when installing a new retractor, remove retaining clip on retractor drum to release spring tension) and allow belt to roll up on retractor.