

SECTION 15

SEATS

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15-2 SEATS

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INTRODUCTION

In addition to the standard full width seats, the "Strato" full width and bucket seats are available on all styles except "F" and "Z" body styles. Standard seat back head rests are available for driver and passenger side on most 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 and 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 and 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.

STANDARD FRONT SEATS

FRONT SEAT ASSEMBLY— Manually Operated—Full Width

DESCRIPTION

The conventional 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 adjust 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 Figures 15-1 and 15-2).

SEAT ASSEMBLY

Removal and Installation

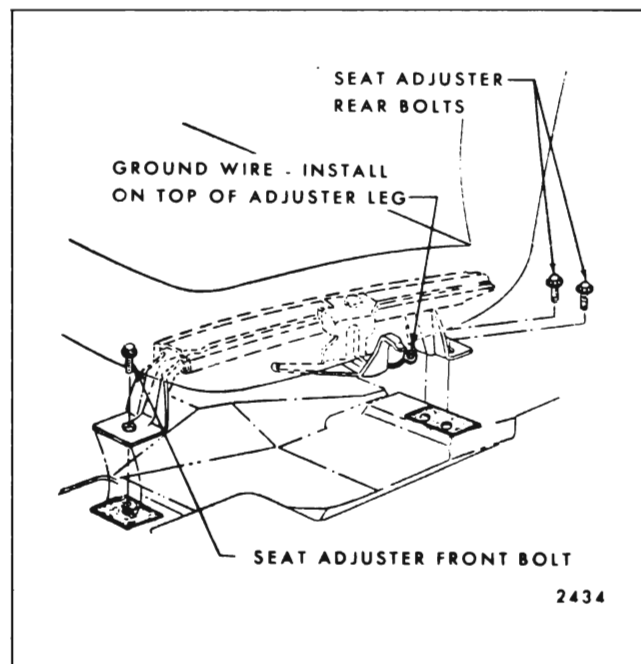
1. Remove both driver and passenger inner seat belt floor pan attaching bolt.
2. Remove door sill plates and turn back floor mat or carpeting, where necessary, to expose seat adjuster-to-floor pan attaching nuts or bolts.
3. Operate seat to full forward position.
4. At rear of adjusters, remove adjuster-to-floor pan rear attaching nuts or bolts (Fig. 15-1 and Fig. 15-2).
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.

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. 15-3).
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. 15-3) and remove seat adjuster from seat.
6. 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.

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. 15-3).



ADJUSTER ASSEMBLY

Removal and Installation

1. Remove front seat assembly with adjusters

Fig. 15-1 — Seat Adjuster Floor Pan Attachment —
"A, F, X & Z" Full Width Seat

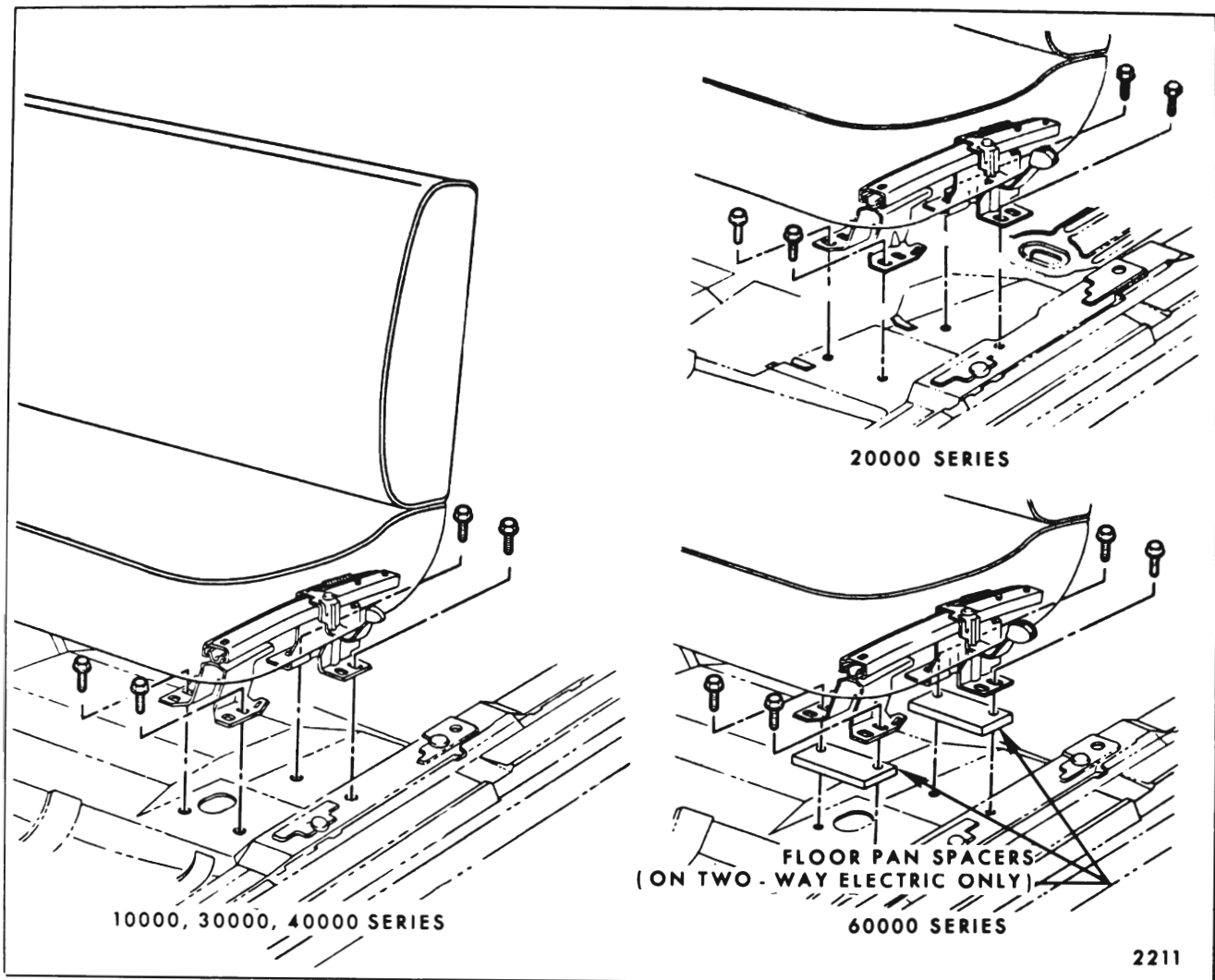


Fig. 15-2—Seat Adjuster Floor Pan Attachment - "B & C" Full Width Seat

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 move-

ment 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.

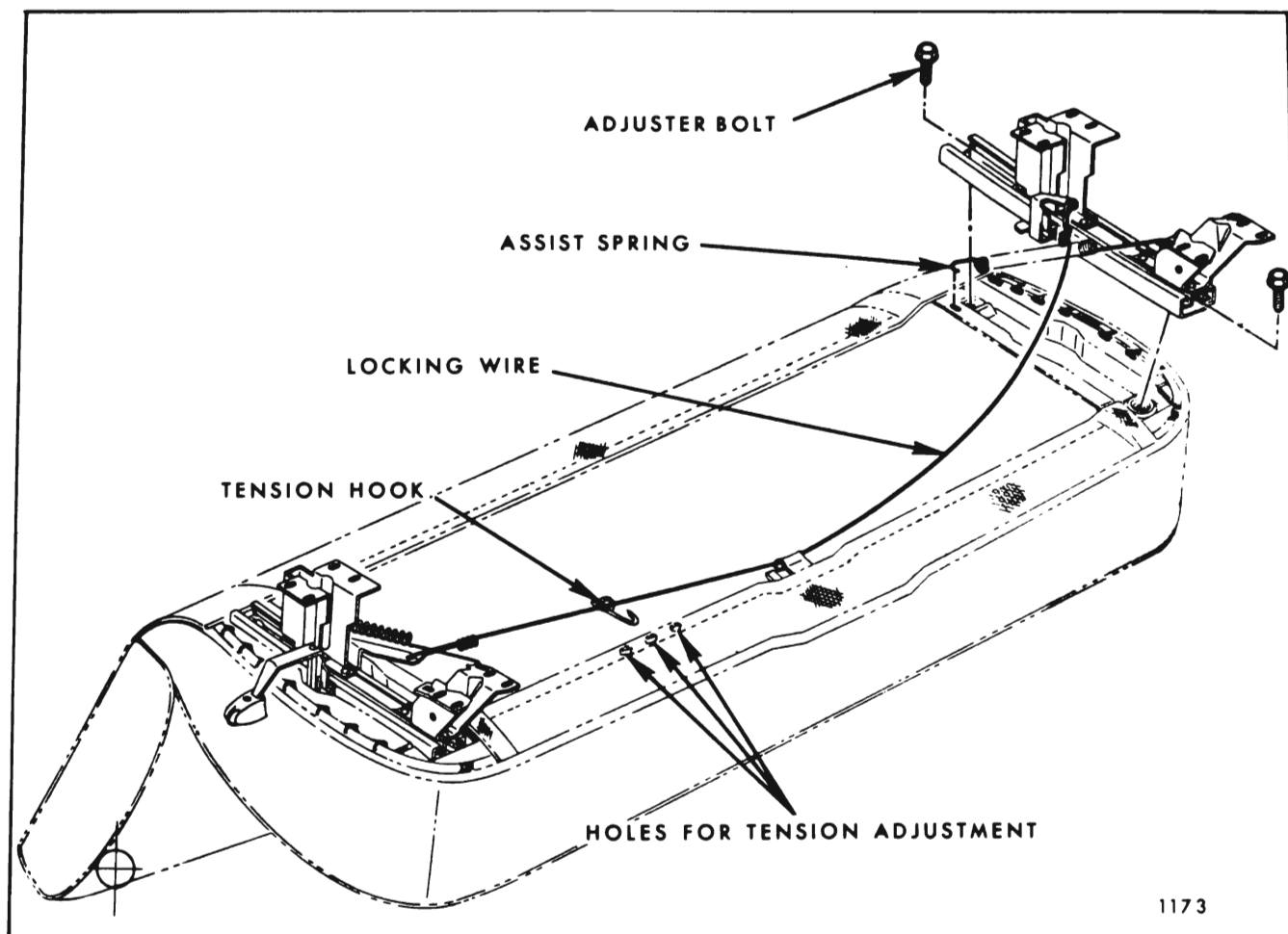


Fig. 15-3 — Manually Operated Seat Adjuster Installation - "B & C" Shown "A, F, X & Z" Typical

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.
2. Remove both driver and passenger inner seat belt floor pan attaching bolt. 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 (Fig. 15-1 or 15-2); then operate seat assembly to full rearward position.
5. Operate seat to full rearward position.

Remove adjuster-to-floor pan front attaching bolts (Fig. 15-2). 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 ad-

justers 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 (Fig. 15-4, 15-5, 15-6 and 15-7).
4. Remove adjuster-to-seat bottom frame front and rear attaching bolts and remove adjuster from seat assembly (Fig. 15-4, 15-5, 15-6 and 15-7).
5. To install seat adjuster assembly, reverse removal procedure. On seats with adjuster track covers, make sure track cover supports are installed between adjuster and seat frame (Fig. 15-5, 15-6 and 15-7). 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.
2. Disconnect both power drive cables from actuator motor.
3. Remove screws that secure actuator motor support bracket to seat bottom frame and

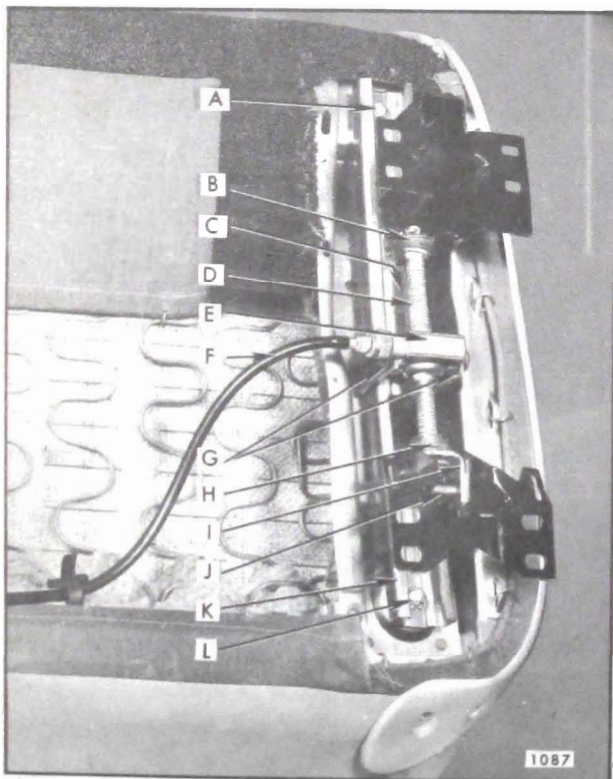


Fig. 15-4—Horizontal Power Adjuster - "C & E" Styles

- | | |
|----------------------------|----------------------------|
| 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 |

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 limit of fore and aft travel.

HORIZONTAL GEARNUIT ASSEMBLY—"C" Body

Removal and Installation

1. Remove front seat assembly with attached adjusters 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. 15-4).
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 attached adjusters 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. 15-4).

4. Remove retainer that secures stop bracket crosspin to adjuster front pedestal and remove crosspin (Fig. 15-4).
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. 15-4).
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.

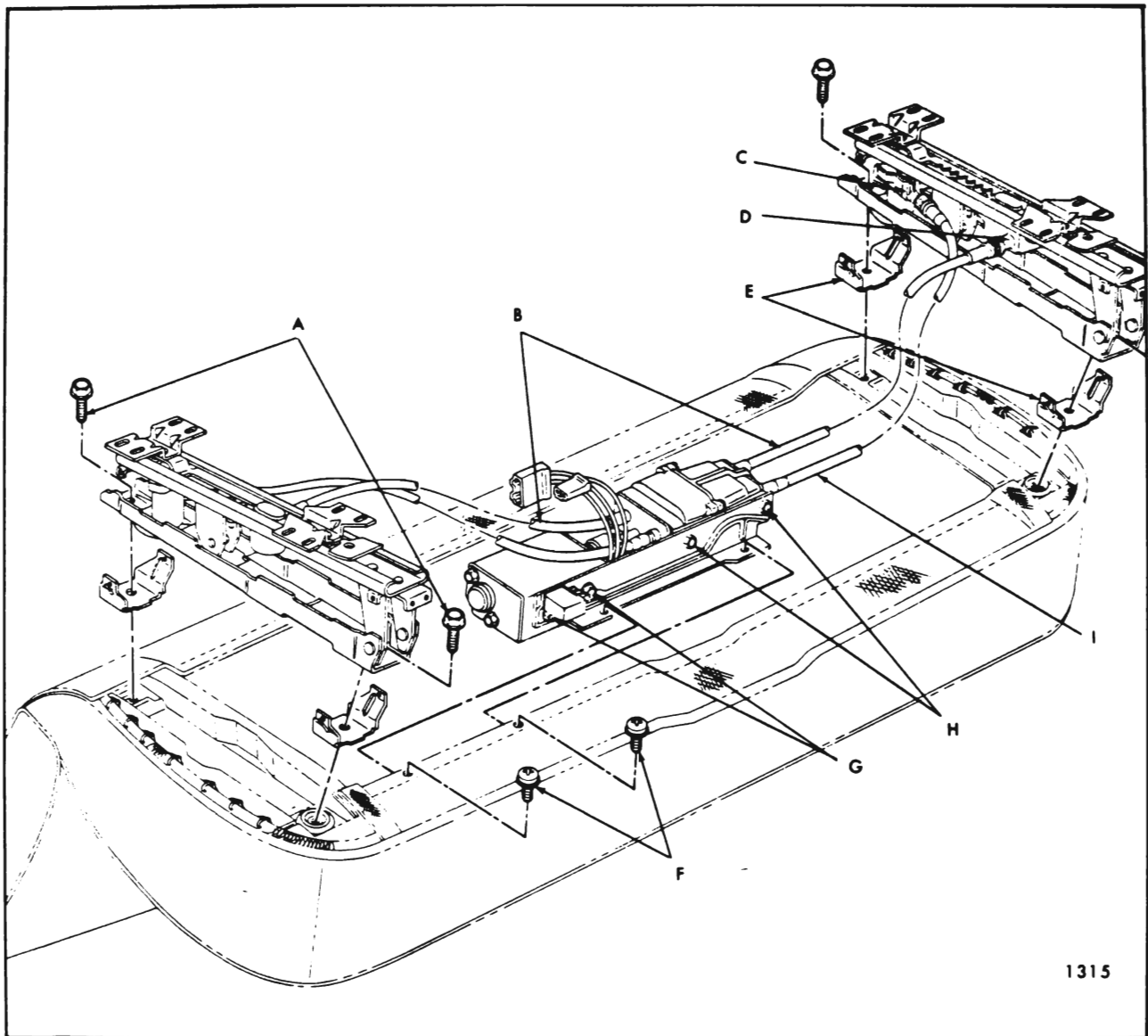


Fig. 15-5—Front Seat Assembly - Four-Way Tilt - Buick "B, C & E" Styles

- | | | |
|-------------------------------------|--|----------------------------------|
| A. Adjuster-to-Seat Attaching Bolts | D. Horizontal Track Cover Supports | G. Motor Attaching Screws |
| B. Horizontal Cables - Black | E. Motor and Transmission Support Attaching Screws | H. Transmission Attaching Screws |
| C. Vertical Gearnut | | I. Rear Vertical Cables - Blue |

2. Disconnect wire harness from motor relay assembly.
3. Remove screws securing motor and transmission support to seat bottom frame. (Fig. 15-6).
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 midway position.
2. Remove front seat assembly from body as

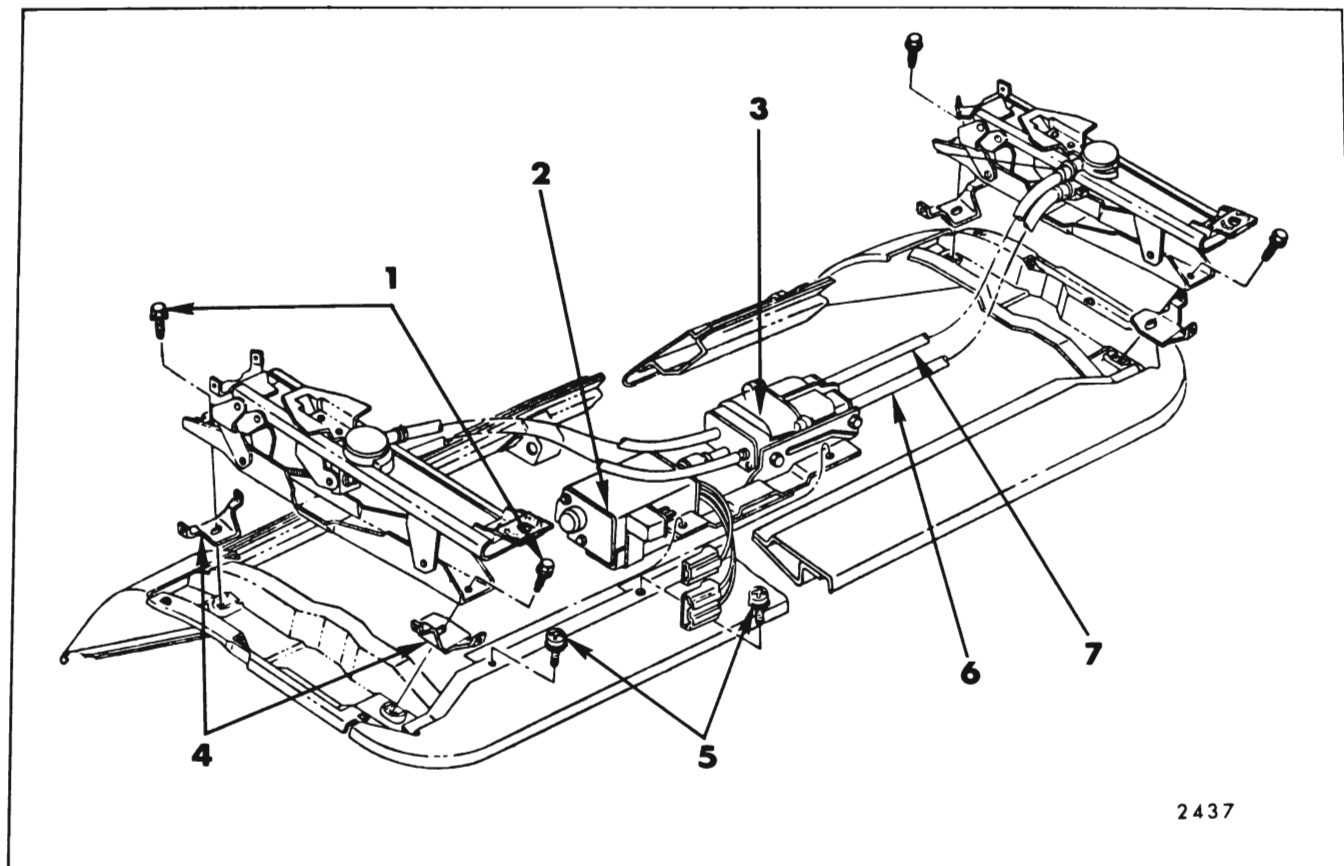


Fig. 15-6—Front Seat Assembly - Four-Way Tilt - "A" Styles

1. Adjuster to Seat Frame Attaching Bolts
2. Motor Assembly
3. Transmission Assembly

4. Track Cover Supports
5. Motor and Transmission Support Attaching Screws

6. Vertical Cable (Yellow)
7. Horizontal Cable (Black)

previously described and place upside down on a clean protected surface.

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

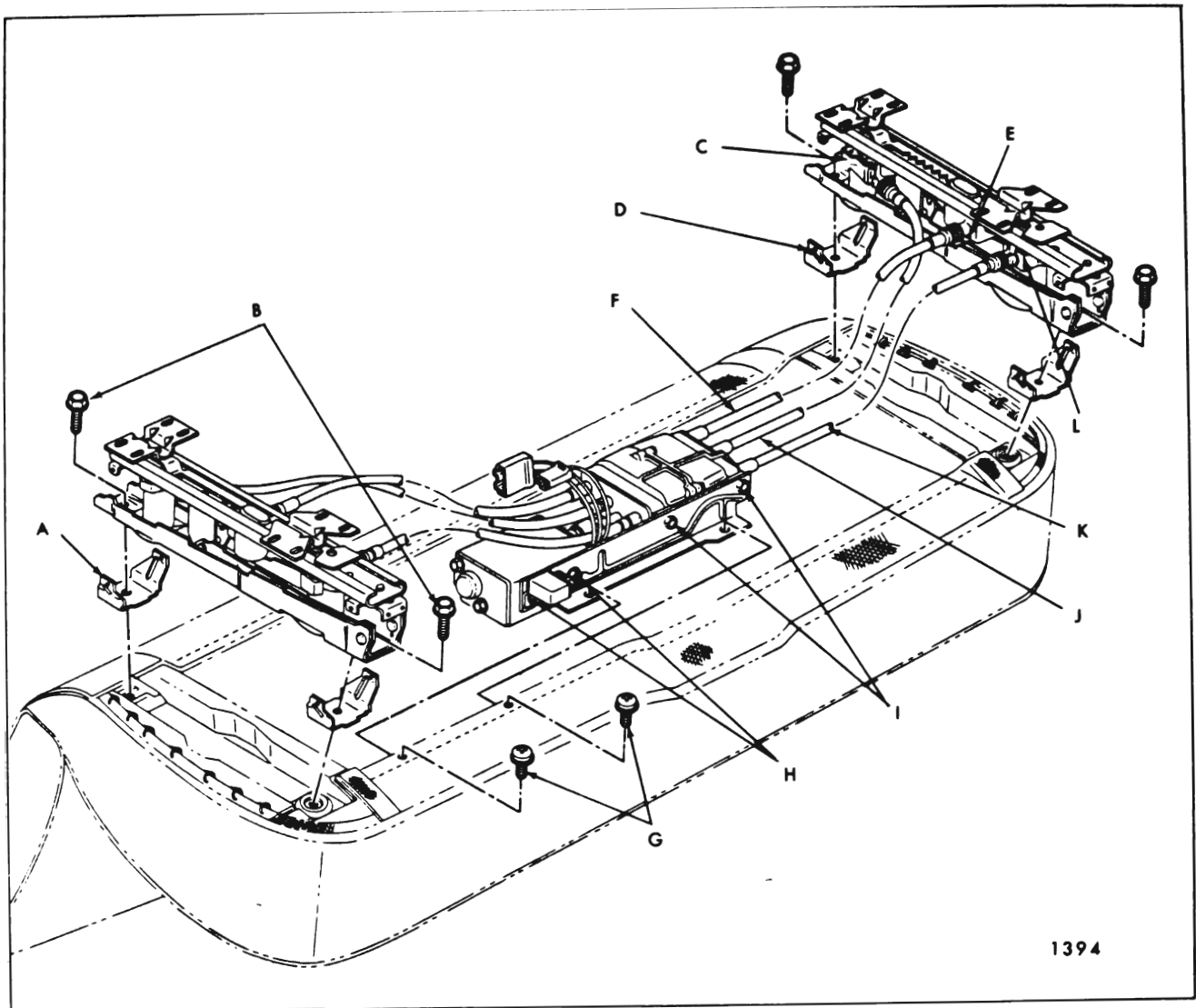


Fig. 15-7—Front Seat Assembly - Six-Way - "B & C" Styles

- | | | |
|--------------------------------------|--|-----------------------------------|
| A. Track Cover Support | E. Horizontal Actuator | H. Motor Attaching Screws |
| B. Adjuster-to-Seat Attaching Screws | F. Horizontal Cables - Black | I. Transmission Attaching Screws |
| C. Rear Vertical Gearnut | G. Motor and Transmission Support Attaching Screws | J. Rear Vertical Cables - Blue |
| D. Track Cover Support | | K. Front Vertical Cables - Yellow |
| | | L. Front Vertical Gearnut |

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. 15-6).

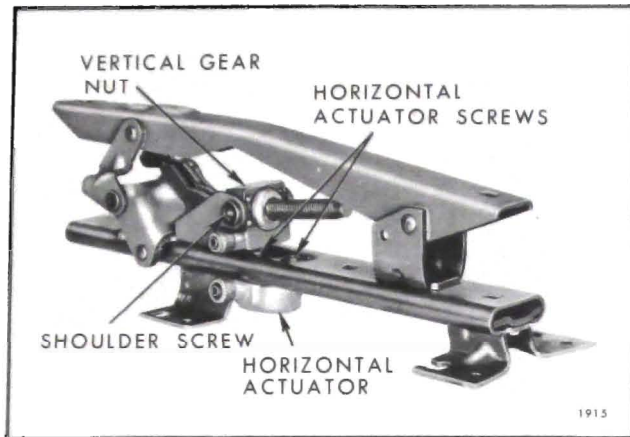


Fig. 15-8—Four-Way Seat Adjuster - "A" Styles

3. As a bench operation, remove jackscrew-to-adjuster linkage attaching rivet and remove jackscrew from adjuster assembly (Fig. 15-9).

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. 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 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 and remove cables from seat assembly (Fig. 15-6).
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 attached adjusters, 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.

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.

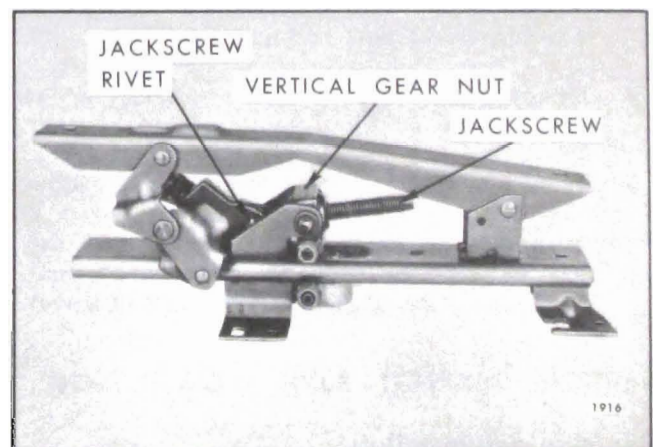


Fig. 15-9—Four-Way Seat Adjuster - "A" Styles

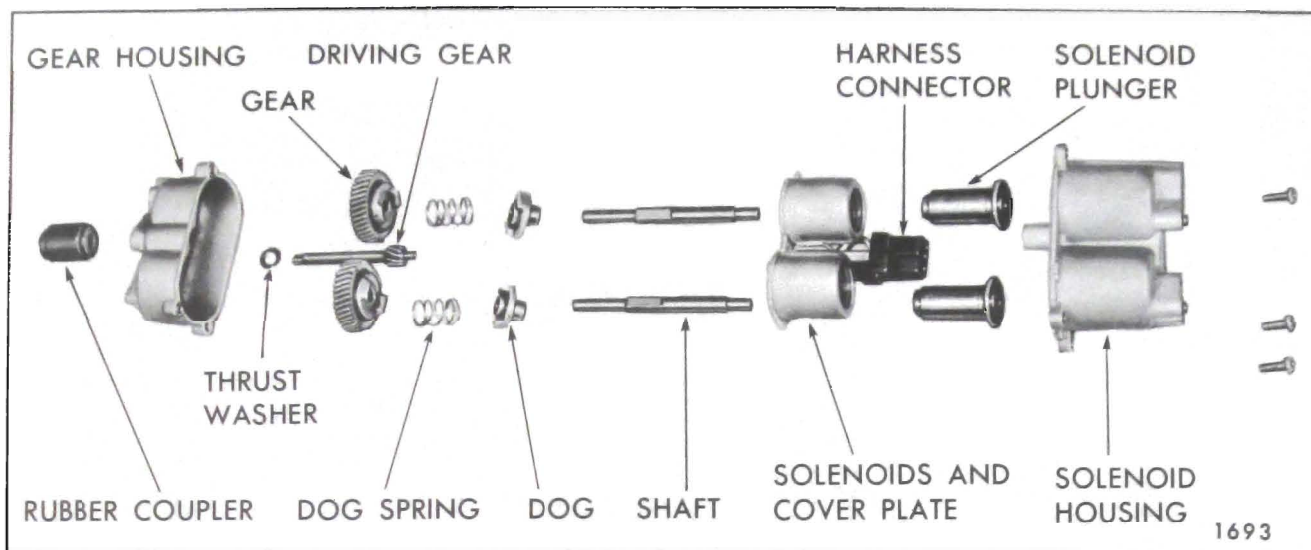


Fig. 15-10 — Four-Way Seat Adjuster Transmission

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 (Fig. 15-5).
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 rearward position; then, re-

move front seat assembly and seat adjuster.

2. Remove vertical gearnut attaching nut at adjuster upper track (Fig. 15-11). Lift rear of channel upward and remove gearnut tension spring and washer (15-12).
3. Lay adjuster on its side and remove screws securing vertical gearnut to adjuster lower track; then, remove gearnut from adjuster (Fig. 15-11).
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".

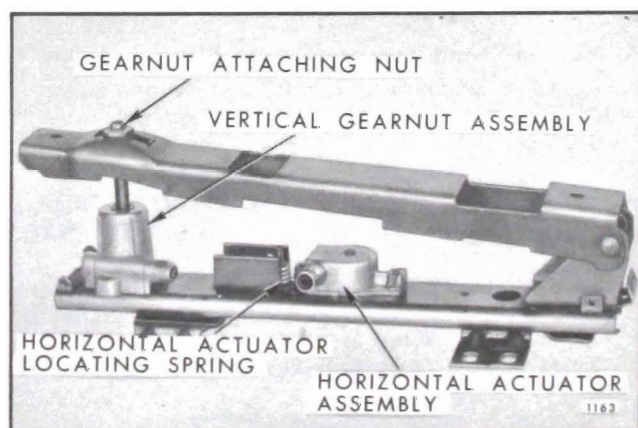


Fig. 15-11 — Four-Way Seat Adjuster - Buick "B-C & E" Styles

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

Removal and Installation

1. Remove front seat assembly and place upside down on a clean protected surface.
2. Disconnect drive cable from horizontal actuator (Fig. 15-5).
3. 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 locating spring is properly positioned (Fig. 15-11 and 15-12).

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".

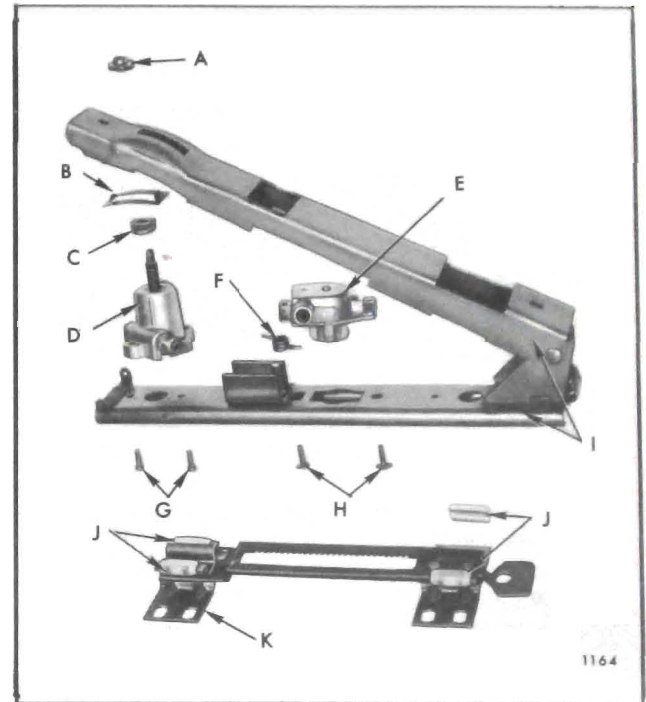


Fig. 15-12 — Four-Way Seat Adjuster Components -
Buick "B-C & E" Styles

- | | |
|--------------------------------------|----------------------------------|
| A. Gearnut to Upper
Attaching Nut | F. Locating Spring |
| B. Gearnut Tension
Spring | G. Vertical Gearnut
Screws |
| C. Gearnut Washer | H. Horizontal Actuator
Screws |
| D. Vertical Gearnut
Assembly | I. Upper Channel
Assembly |
| E. Horizontal Actuator
Assembly | J. Plastic Shoes |
| | K. Lower Channel |

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. 15-5).
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.
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.

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.

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 and 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.

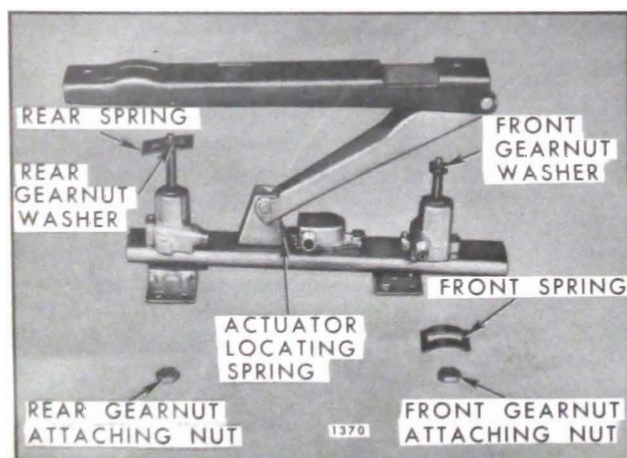


Fig. 15-13—Six-Way Seat Adjuster - "B & C" Styles

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.
- NOTE:** Horizontal Actuator is easily accessible with seat in mid-way or approximate center position.
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 (Fig. 15-13).
5. Remove front vertical gearnut spring (Fig. 15-13).
6. Lift upward on adjuster upper track; then remove rear vertical gearnut spring (Fig. 15-13).
7. Lay adjuster on its side; then remove screws securing horizontal actuator to adjuster upper channel assembly and remove actuator from adjuster.

IMPORTANT: Horizontal actuator is under tension from spring shown in Figure 15-13. When installing actuator, be sure actuator locating spring is properly engaged with actuator assembly.

8. To install, reverse removal procedure. When installing horizontal actuator, be sure actuator drive gear is full engaged with teeth on lower channel. With tension spring properly installed and actuator attaching screws tight, there should be no free motion between upper and

lower adjuster 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 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 either full forward or 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 front vertical gearnut attaching nut.
6. Remove front vertical gearnut spring (Fig. 15-13).
7. Lay adjuster on its side and remove front vertical gearnut attaching screws (Fig. 15-14); then remove gearnut from adjuster.
8. If front vertical gearnut is being replaced with a new part, transfer gearnut washer to new gearnut assembly (Fig. 15-13).
9. To install, reverse removal procedure. Be sure adjusters are "in phase" before installing 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 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 rear vertical gearnut attaching nut (Fig. 15-13).
6. Lift rear of channel upward and remove rear vertical gearnut spring (Fig. 15-13).
7. Lay adjuster on its side and remove rear vertical gearnut attaching screws; then remove gearnut from adjuster (Fig. 15-14).
8. If rear vertical gearnut is being replaced with a new part, transfer gearnut washer to new gearnut assembly (Fig. 15-13).
9. To install, reverse removal procedure. Be sure rear gearnut spring is properly engaged under 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").

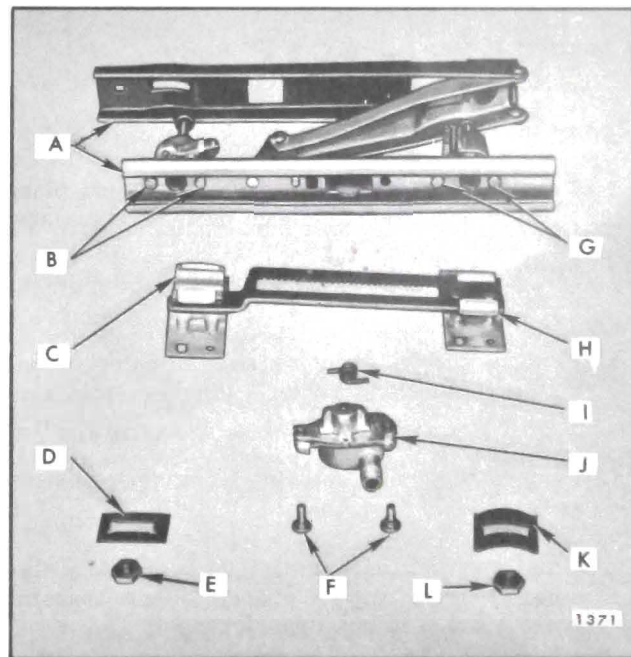


Fig. 15-14—Six-Way Seat Adjuster Components - "B & C" Styles

- | | |
|------------------------------|----------------------------------|
| A. Upper Channel Assembly | G. Front Vertical Gearnut |
| B. Rear Vertical Gearnut | H. Plastic Shoe |
| C. Lower Channel | I. Actuator Locating Spring |
| D. Rear Spring | J. Horizontal Actuator |
| E. Rear Gearnut | K. Front Spring |
| F. Actuator Attaching Screws | L. Front Gearnut Attaching Screw |

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

Removal and Installation

1. Remove horizontal actuator as previously described.
2. Slide seat adjuster lower channel from upper channel until lower channel is completely disengaged from upper channel. Remove plastic slides from lower channel.
3. If lower channel is being replaced with a new part, transfer plastic slides to new part (Fig. 15-14).
4. Apply "Lubriplate" (630AAW) or equivalent to track portion of upper channel, plastic slides and teeth on lower channel.
5. To install, reverse removal procedure. Be sure adjusters are "in phase" before installing seat assembly into body. (See step 6 under "Front Seat Assembly - Removal and Installation").

UPPER CHANNEL—"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. Remove horizontal actuator from upper channel as previously described.
5. Slide lower channel until it is completely disengaged from upper channel; then transfer lower channel to new upper channel.

NOTE: Be sure sliding surfaces of upper and lower channels are properly lubricated with "Lubriplate" (630AAW) or equivalent.

6. Transfer front and rear gearnuts to new upper channel (Fig. 15-14).
7. Install horizontal actuator and actuator locating spring to new upper channel.
8. Install adjuster to seat bottom frame; then

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

9. Install seat assembly into body. Operate seat through several complete cycles to insure proper operation.

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 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 15-7.

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.
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 motor drive coupling and remove transmission from seat assembly.
5. To install, reverse removal procedure. Make sure seat harness is properly secured to seat.

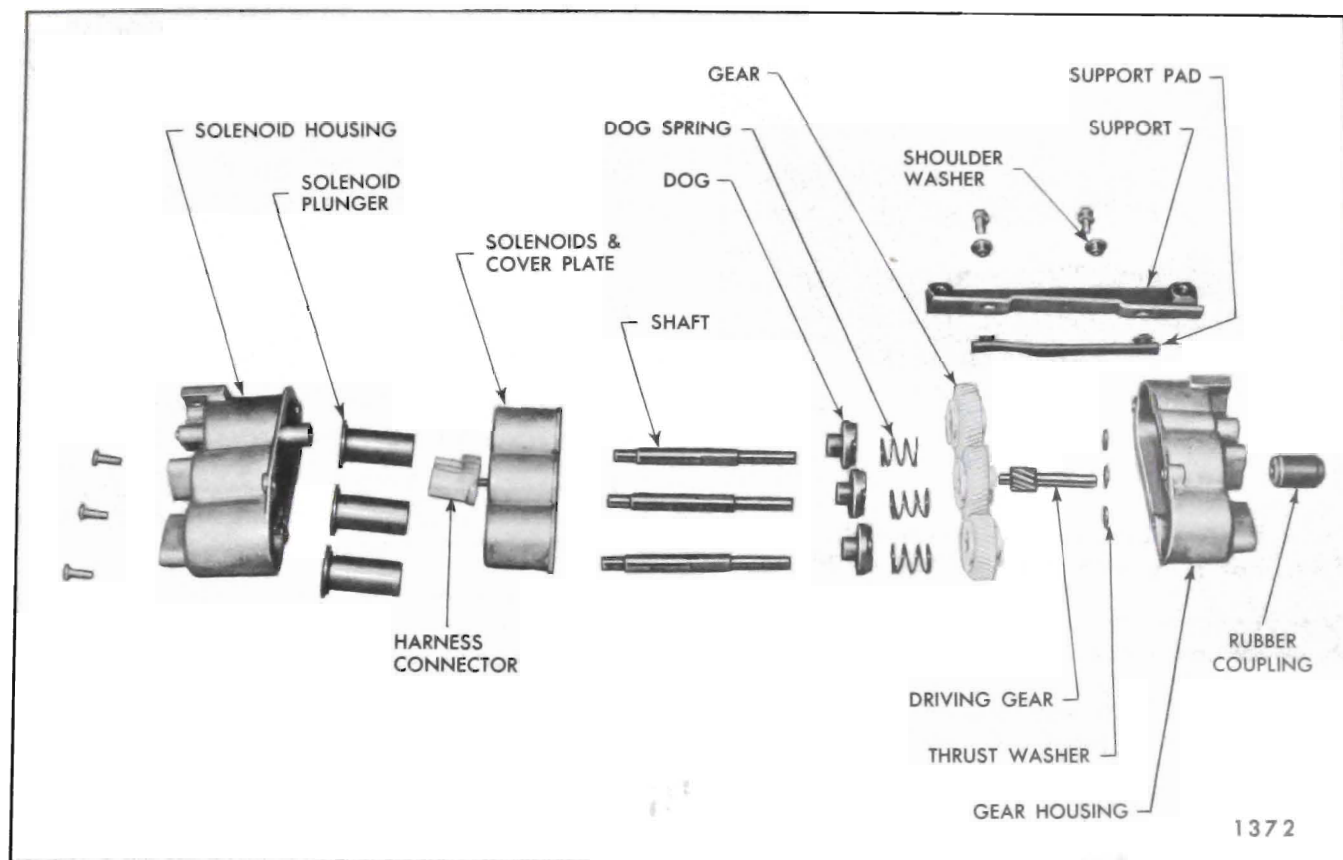


Fig. 15-15—Six-Way Seat Adjuster Transmission - "B & C" Style

DISASSEMBLY AND ASSEMBLY OF TRANSMISSION

1. Remove front seat adjuster transmission from seat assembly.
2. Remove screws securing gear housing to the solenoid housing; then, carefully separate housings and remove component parts of transmission assembly (Fig. 15-15).
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" (630AAW) or equivalent.

FRONT SEAT BACK

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 cardboard breakover foundation and bend out tabs on seat back frame securing seat cushion springs (Fig. 15-16). Disengage springs from tabs.
4. At each end of seat, remove hog rings securing lower edge of seat back trim to seat bottom frame. Raise or turn back seat back trim to expose bolts securing seat back frame to seat cushion frame (Fig. 15-17). Where seat back lighter or courtesy light is present disconnect wire from seat cushion frame.
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.

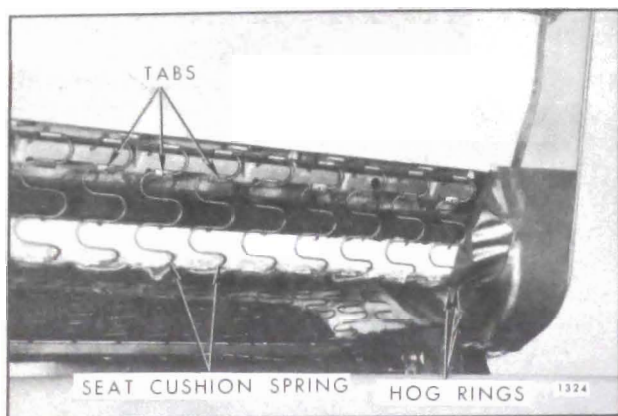


Fig. 15-16 — Seat Cushion-to-Back Spring Attachment

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 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 re-

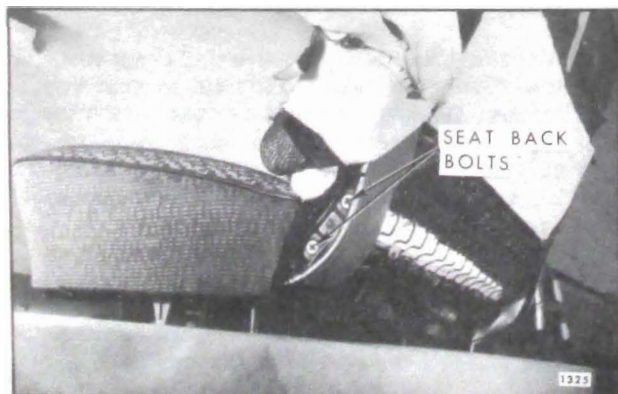


Fig. 15-17 — Seat Back Attachment

moval 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” Style 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. 15-18).
3. Remove outer hinge arm cover (Fig. 15-18); then, using a flat bladed tool carefully remove retainer securing seat back outer arm to hinge pin (Fig. 15-18).

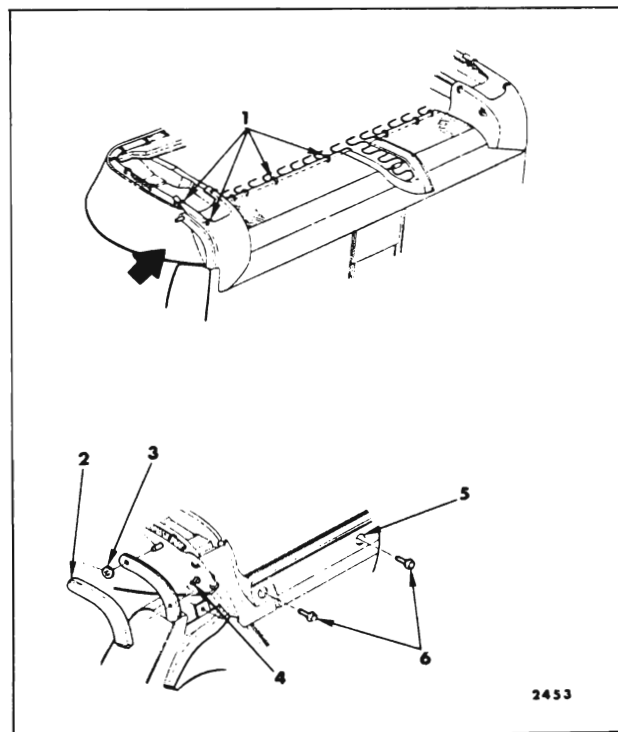


Fig. 15-18 — Seat Back Removal (Right or Left)
23739, 33039 and 44439 Styles

- | | |
|---|--|
| 1. Hog Rings Securing
Seat Cushion Trim
Bottom Facing | 4. Seat Back Outer
Arm Cover Fastener |
| 2. Seat Back Outer
Arm Cover | 5. Seat Back Attaching
Bolt Access Hole |
| 3. Seat Back Outer
Arm Retainer | 6. Seat Back Frame to
Seat Cushion Frame
Attaching Bolts |

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. 15-18).
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. 15-18) 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 and 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.
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. 15-19).
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. 15-19).

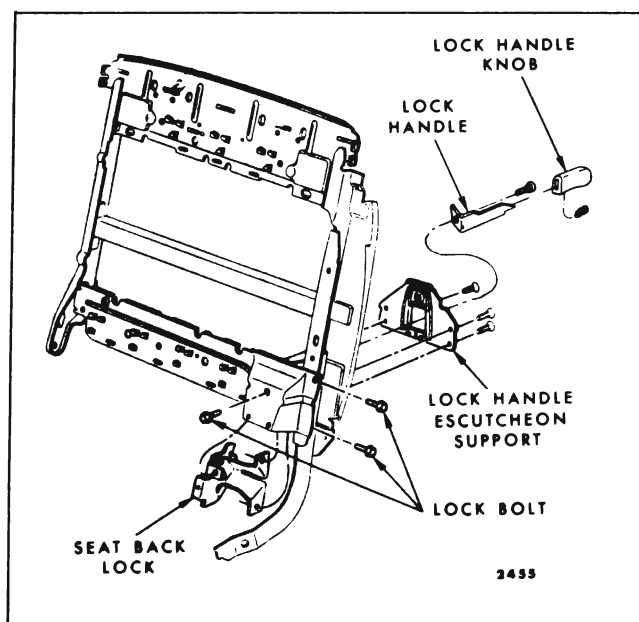


Fig. 15-19—Front Seat Back Lock - "A, B & X"
Two-Door Styles, Standard Full Width Seat

5. Remove seat back lock attaching bolts (Fig. 15-19); then, remove lock assembly from bottom of seat back.
6. To install, reverse removal procedure. Check for proper operation of seat back lock.

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 styles with seat back panel, remove seat back lock push button escutcheon and remove lock push button and ferrule; then, remove seat back panel (See Fig. 15-20). On styles with

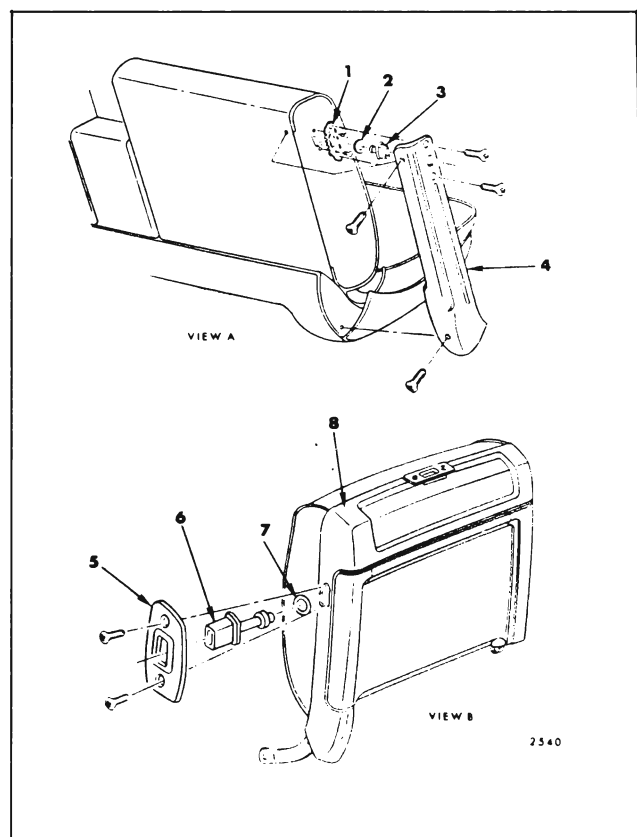


Fig. 15-20—Seat Back Lock Removal -
"C & E" Body Standard Seat

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 |

seat side panel, remove seat side panel; then, remove lock push button and ferrule (Fig. 15-20).

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 up 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 Figure 15-21).
4. a. To remove seat back lock, disengage lock rod clip at lock (Fig. 15-21) and detach rod from lock. Remove lock attaching bolts (Fig. 15-21) and remove lock from bottom of seat back.
- b. To remove seat back lock control, disengage lock rod clip at control (Fig. 15-21) and detach lock rod from control. Remove lock control attaching bolts (Fig. 15-21) and remove lock control from seat back.
- c. To remove lock rod, disengage lock rod clip at lock and at control (Fig. 15-21), 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.

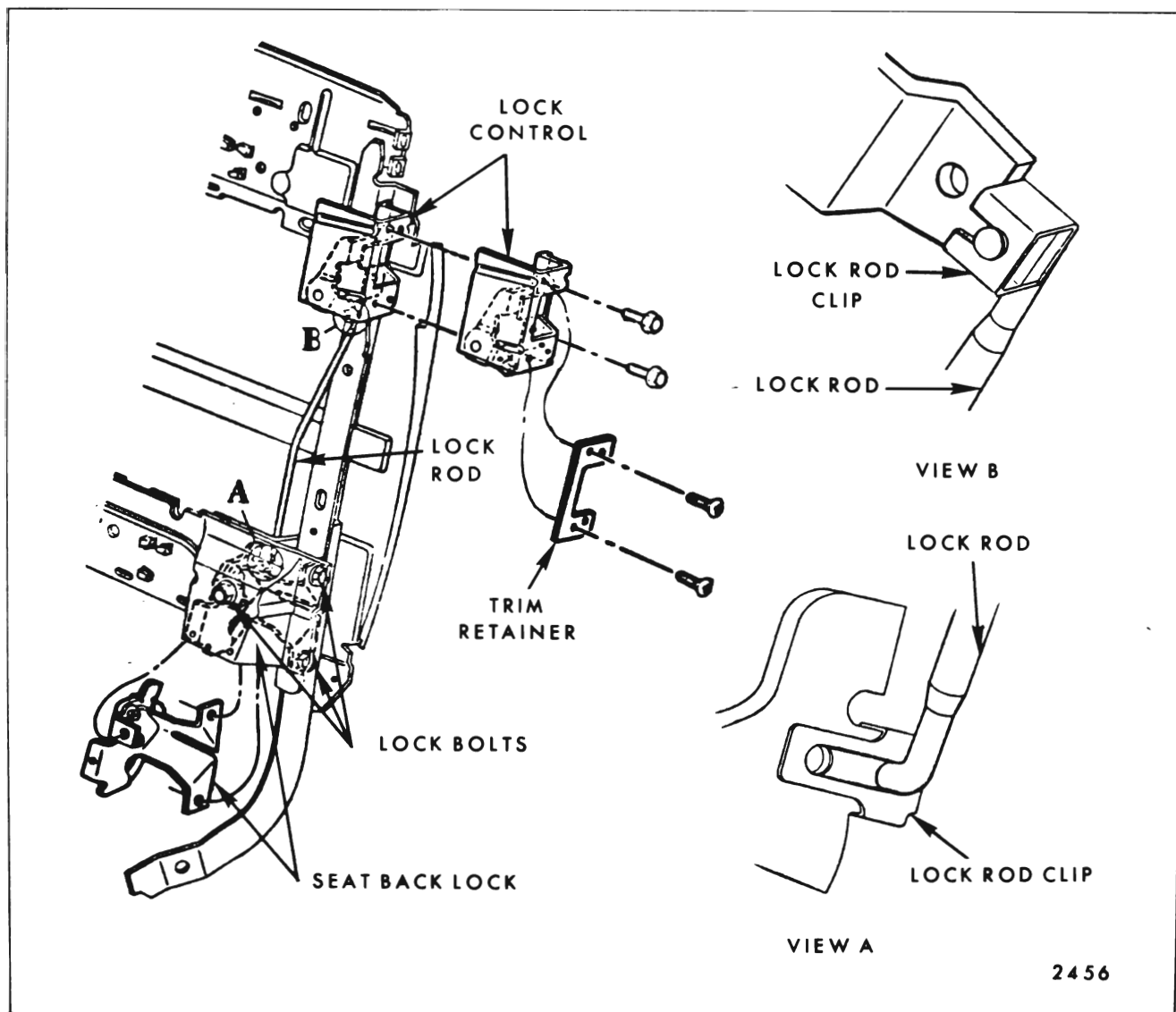


Fig. 15-21 — Front Seat Back Lock - "C & E" Body Two-Door Styles, Standard Full Width Seat

SEAT BACK HEAD REST— Standard Full Width Seat (Drivers or Passengers Side)

The standard full width seat back headrest is secured by a support which is screwed or welded 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 headrest can be removed from the seat back for storage by pulling the headrest to the full up position; then move headrest towards right side of seat, pull headrest up and remove from seat back. To remove and install the headrest support, the seat back trim must be removed and the support-to-seat back frame screws removed.

NOTE: On styles where the support is welded to the seat back frame, the welds must be cut to remove the support.

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

Removal and Installation

1. Place center arm rest in down position.

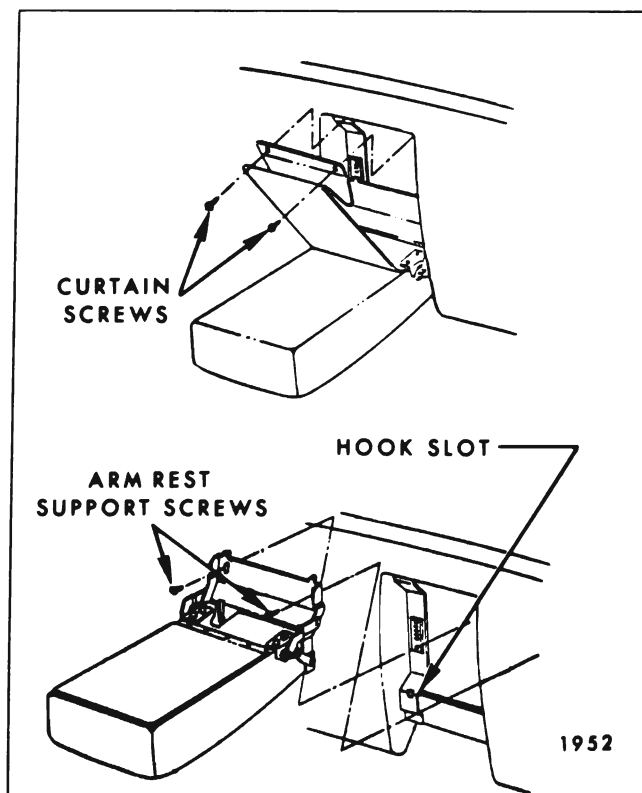


Fig. 15-22—Front Seat Center Arm Rest (Full Width Seat Back)

2. At top of arm rest curtain, remove two screws securing curtain to seat back frame (Fig. 15-22) and pull curtain forward to expose screws securing arm rest to support linkage (Fig. 15-22).
3. Remove arm rest-to-support linkage screws (Fig. 15-22) 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 two screws securing curtain to seat back frame (Fig. 15-22).
3. Remove two screws securing arm rest to supports on seat back (Fig. 15-22); then, carefully lift arm rest and linkage upward to disengage hooks of arm rest from slots in supports and remove assembly from 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 approximately 2 inches short of full down position.

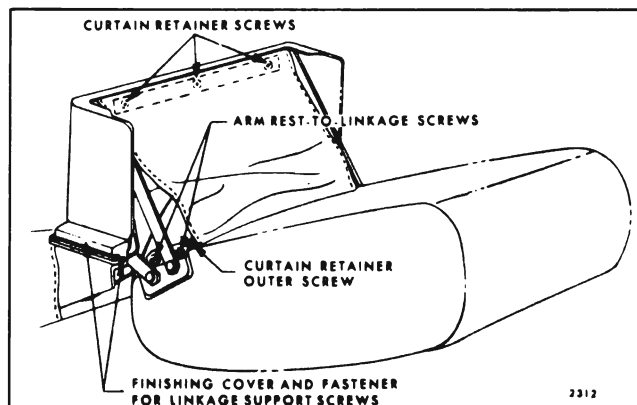


Fig. 15-23—Front Seat Center Arm Rest (Notch Down Seat Back)

- 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. 15-23).
- Remove screw finishing covers (Fig. 15-23). Disengage arm rest from support linkage and turn arm rest upside down on trim panel finishing cover with curtain attached. Remove three screws securing curtain retainer to trim panel finishing cover (Fig. 15-23); then remove arm rest and curtain from seat.
- 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

- Place arm rest in up position.
- Working between arm rest and seat back, remove fastener at both sides of arm rest securing front end of screw finishing covers (Fig. 15-23).

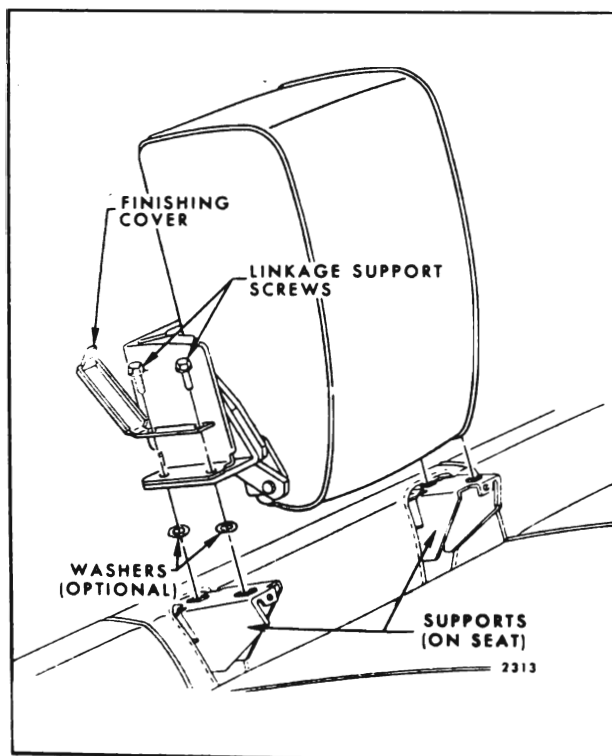


Fig. 15-24—Front Seat Center Arm Rest Support
(Notch Down Seat Back)

- Working at rear of seat, push one seat back to full forward position. Carefully pull up front of screw finishing cover sufficiently to expose arm rest support attaching screws; then remove screws (Fig. 15-24). 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. 15-24), note location and number of washers used to facilitate installation in same position. Washer(s) are used to align arm rest to front seat back(s).

- 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. 15-24).

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

Removal and Installation

- Remove center arm rest assembly.
- Remove screws securing arm rest to support (Fig. 15-23); then, remove support from arm rest, finishing cover and curtain.
- 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. 15-24).

FOOT REST ASSEMBLY—Cadillac 68169 Style

The folding foot rest assemblies shown in Fig. 15-25 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. 15-25) and remove foot rest assembly from seat back. To remove trimmed foot rest board remove hinge-to-board attaching screws (Fig. 15-25) 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.

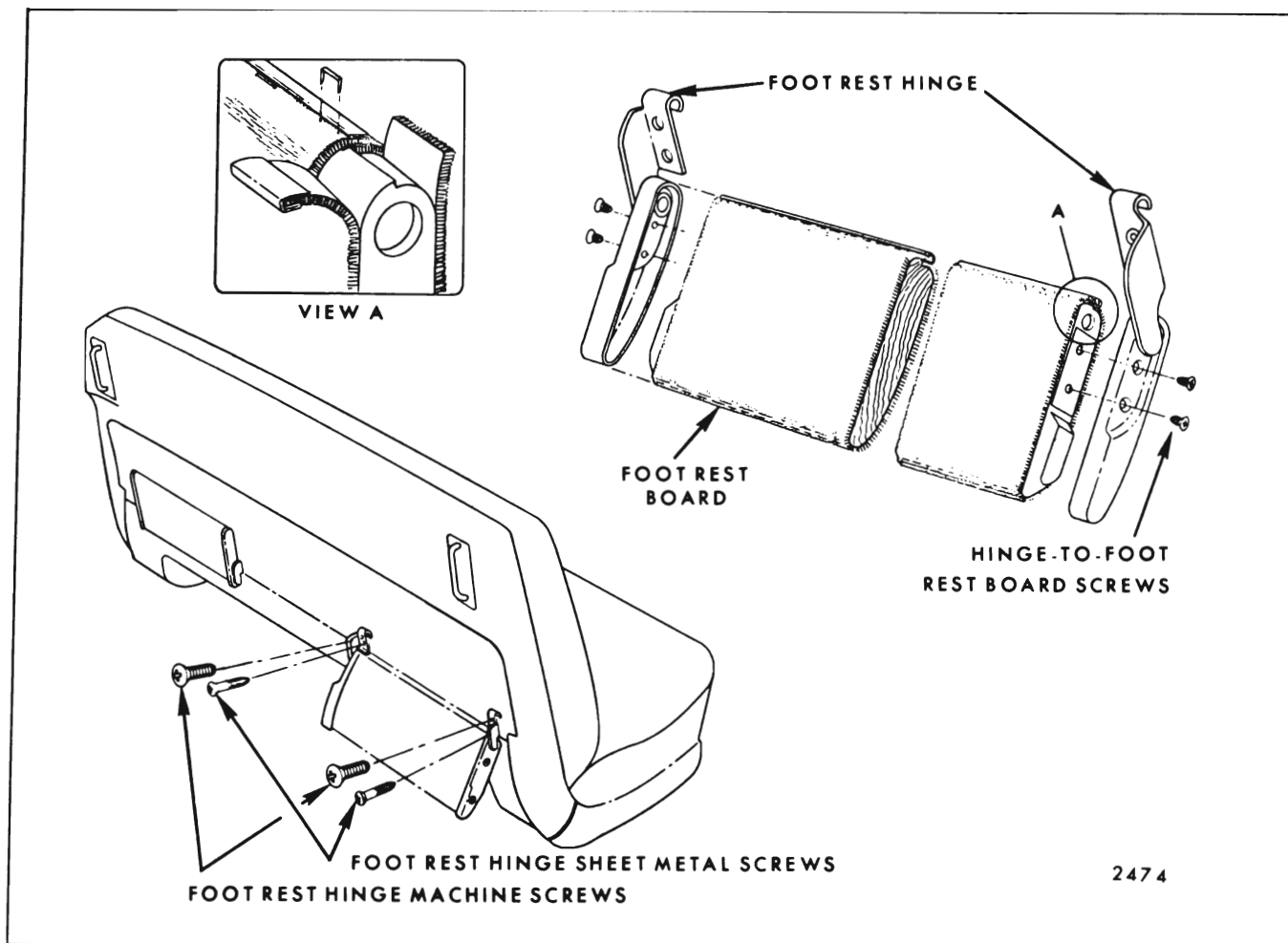


Fig. 15-25 —Foot Rest Installation - Cadillac 68169 Styles

STRATO FRONT SEATS

STRATO FULL-WIDTH, STRATO BUCKET AND STANDARD BUCKET SEATS

DESCRIPTION

Strato seats are available on Chevrolet "A, B and X", Pontiac, Oldsmobile, Buick and Cadillac Styles. Chevrolet "F and Z" 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 drivers and passengers seat back. On Chevrolet "F and Z" standard bucket seats the seat back lock is actuated by a control lever located at 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 rest are available on all strato seats. On Pontiac, Oldsmobile, Buick and Cadillac styles, a reclining seat back is available on the passengers 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 up 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

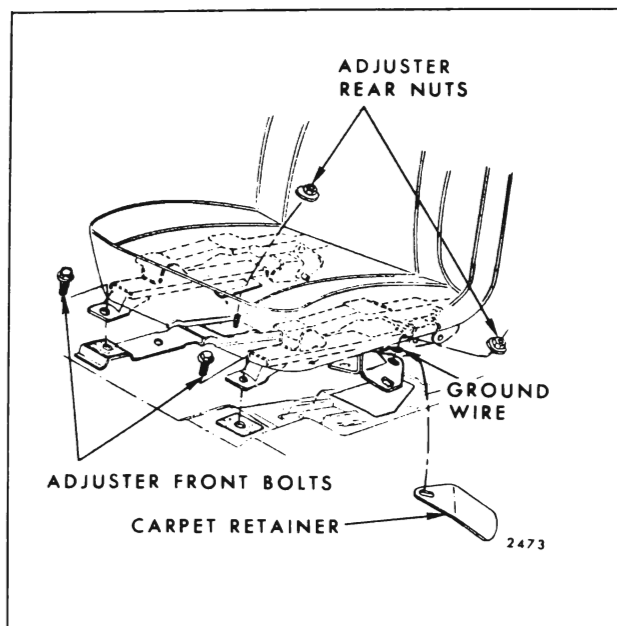


Fig. 15-26—Bucket Seat Floor Pan Attachment - "A, F, X & Z" Styles

seat adjuster components are the same as for the standard full width front seat assembly - Refer to the appropriate section under "Standard Seats".

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 (Fig. 15-26 and 15-27).
3. Operate seat to full rearward position. Remove adjuster-to-floor pan front attaching bolts (Fig. 15-26 and 15-27). Operate seat to full forward position. Remove adjuster-to-floor pan rear attaching bolts 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 driving 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.

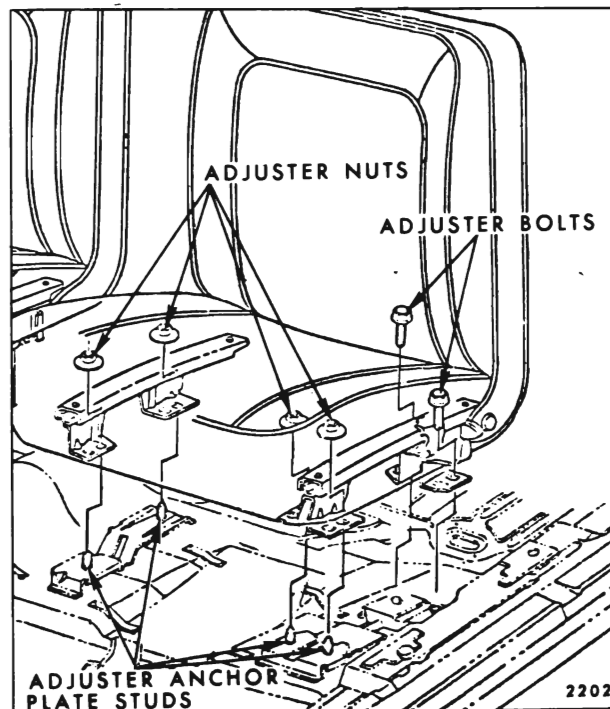


Fig. 15-27—Manually Operated Bucket Seat Floor Pan Attachment - "B & C" Styles

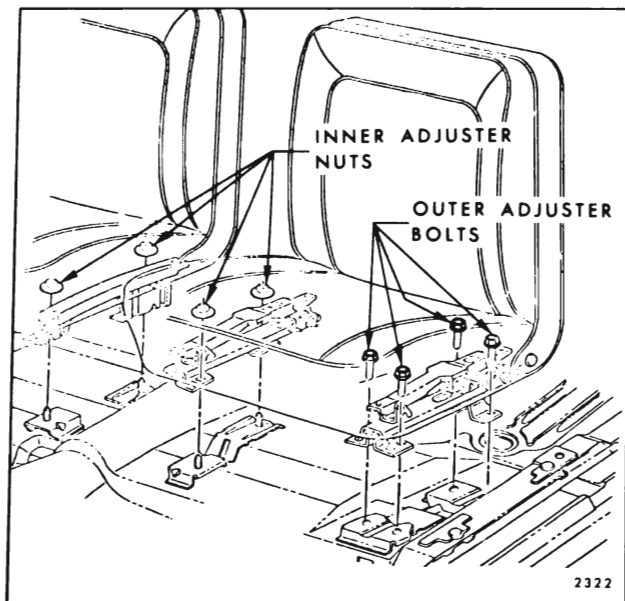


Fig. 15-28—Four-Way Bucket Seat Floor Pan Attachment - "B & C" Styles

3. Remove seat adjuster-to-floor pan rear attaching bolts (Figs. 15-26 and 15-28).
4. Operate seat to full rearward position. Remove seat adjuster-to-floor pan front attaching bolts (Fig. 15-26 and 15-28). 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.

PASSENGERS FRONT BUCKET SEAT BACK STOP CABLE OR SPRING—"F" Body Styles

Removal and Installation

1. Using a flat bladed tool inserted between passengers seat back outer hinge arm cover and hinge arm, carefully disengage upper portion of cover from fastener and remove cover from outer hinge arm (Fig. 15-29).

2. At outer side of passengers bucket seat cushion, remove screw securing seat back stop cable and trim protector washer to seat cushion frame (Fig. 15-29).
3. Remove bolt securing seat back stop cable and spring to seat back outer hinge arm (Fig. 15-29) and remove cable and spring from seat.
4. To install seat back stop cable or spring, reverse removal procedure. Make certain spring is engaged with stop cable and seat back hinge arm, as shown in Fig. 15-29).

FRONT BUCKET SEAT BACK ASSEMBLY (RIGHT OR LEFT)—Standard Bucket Seat—"F and 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. 15-29). If removing passengers seat back on "F" Styles remove screw securing seat back stop cable and trim protector washer to seat cushion frame (Fig. 15-29).
3. Carefully disengage and remove retainer securing both inner and outer hinge arms to seat cushion hinge pins (Fig. 15-29).

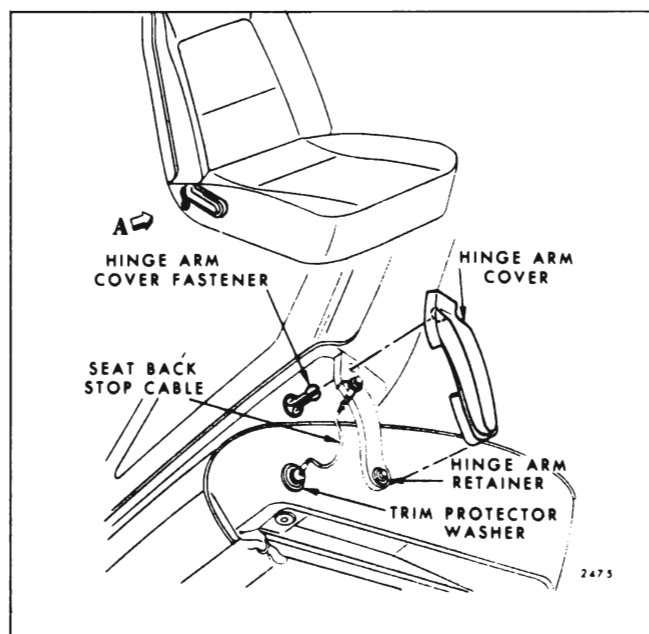


Fig. 15-29—Seat Back and Cable Stop

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 and Z" Body Standard Bucket Seats

Removal and Installation

1. Remove front seat back assembly, as previously described.
2. Remove seat back lock handle knob, lock handle escutcheon and lock handle (See Fig. 15-30).
3. Remove seat back panel and detach seat back trim outer side facing sufficiently to gain access to lock attaching bolts (Fig. 15-30).
4. Remove seat back lock attaching bolts (Fig. 15-30) and remove seat back lock from seat back.

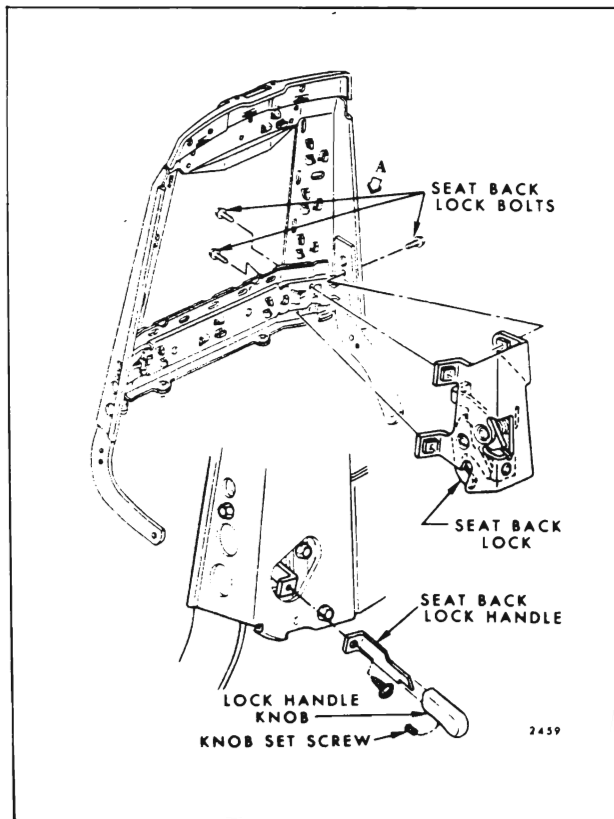


Fig. 15-30—Seat Back Lock - "F & Z" Bucket Seat

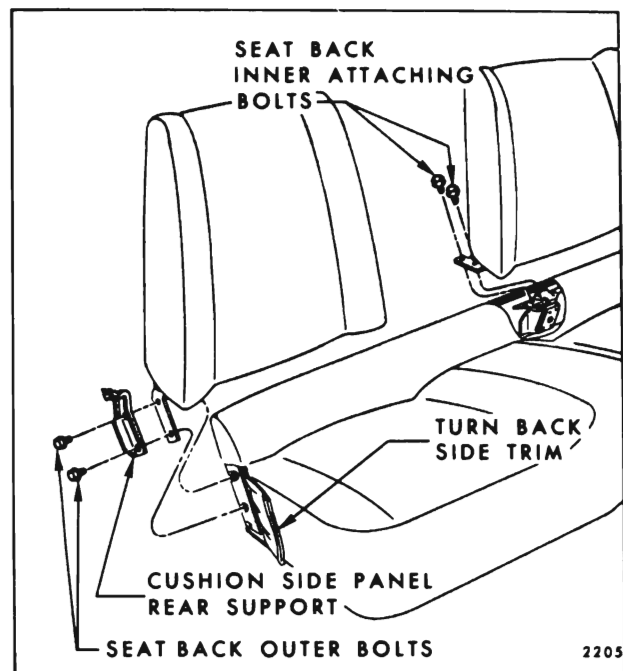


Fig. 15-31—Strato Full Width Seat Back Attachment

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. 15-31).
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. 15-31) 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. 15-31).
3. Using a suitable hooked end tool between seat back and seat cushion, at location "A", remove retaining ring locking seat back at inner hinge (see View "A", Fig. 15-32).

4. Remove seat back outer arm attaching bolts (Fig. 15-31).
5. Carefully tilt seat back forward. Remove inner hinge bolt cover plate. Remove inner hinge bolts (Fig. 15-32) 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.

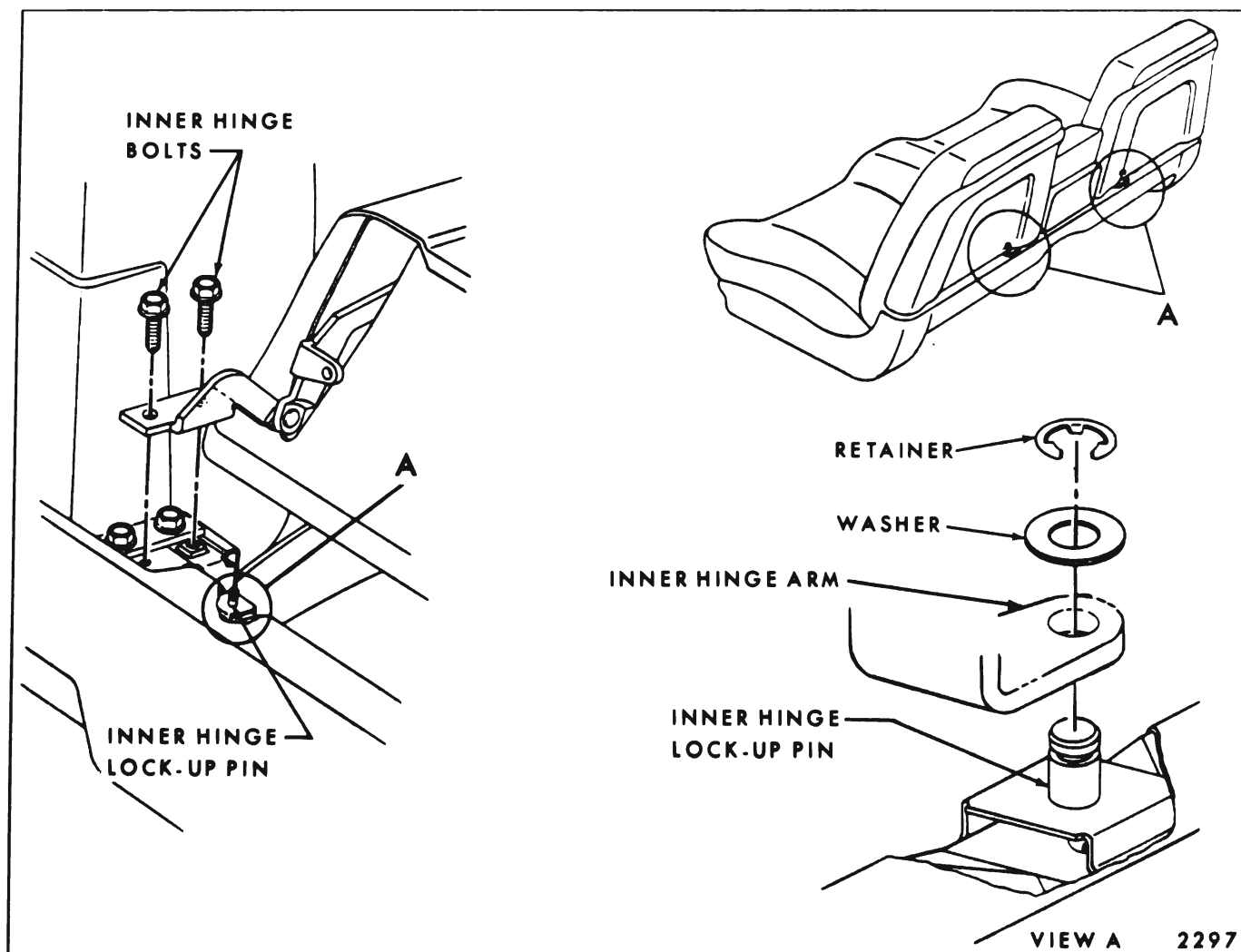


Fig. 15-32 — Strato Full Width Seat Back Attachment - Chevrolet 16639 Style

2. Remove two screws securing bottom of seat back panel to seat back frame (Fig. 15-33).
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. Check for proper operation of seat back lock.

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. 15-34).
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 (See Fig. 15-33).
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.

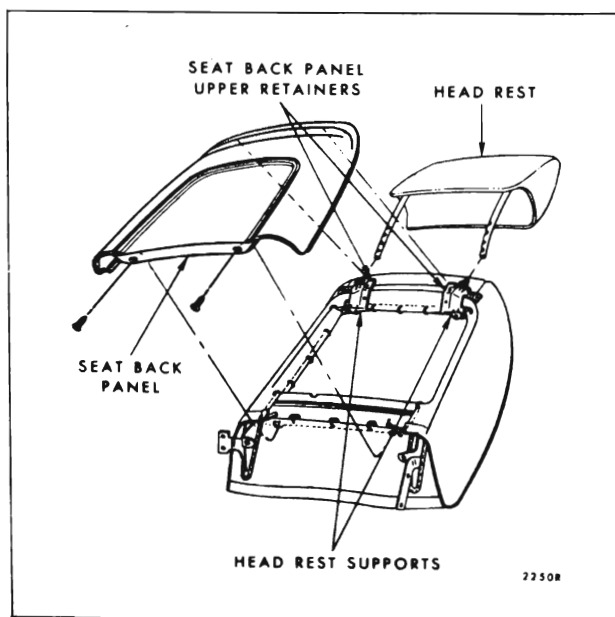


Fig. 15-33—Strato Seat Back Panel and Headrest

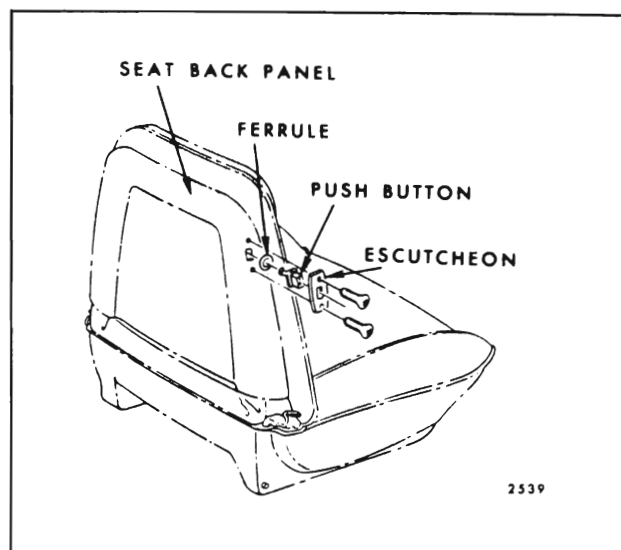


Fig. 15-34—Strato Seat Back Lock Push Button

STRATO SEAT BACK HEADREST

Description

All reclining seat backs are equipped with a headrest which is adjustable to four different positions. The Strato headrest is also available as an option on all Strato design seats on either the drivers or passengers seat back. When desired, the headrest can be removed from the seat back by depressing the retaining spring at each headrest support finishing escutcheon (See Fig. 15-35) and pulling each side of headrest up past the locked position.

STRATO SEAT BACK HEADREST SUPPORT GUIDE TUBE

Removal and Installation

1. Remove headrest assembly from seat back.
2. Remove support finishing escutcheon screw and remove escutcheon (Fig. 15-35).
3. Carefully pull plastic support guide tube out of support. If guide tube hangs up on detent spring insert a screwdriver into guide and depress detent spring sufficiently to remove guide tube.
4. To install support guide tube reverse removal procedure. Make certain lower end of plastic guide is inserted into hole in bottom of support and that cut out in guide for detent spring is

facing rearward (Fig. 15-35). Check for proper operation of headrest.

STRATO SEAT BACK HEADREST SUPPORTS

Removal and Installation

1. Remove headrest assembly from seat back.
2. Remove seat back panel, as previously described.
3. Remove headrest support finishing escutcheon screw and remove escutcheon (Fig. 15-35).
4. Remove four remaining support attaching screws (Fig. 15-35), and remove support from seat back. Where required, remove support guide from support.
5. To install headrest support, reverse removal procedure. Make certain lower end of plastic guide is inserted into hole in bottom of support and that cut out in guide for detent spring is facing rearward (Fig. 15-35). Prior to tightening support attaching screws, install headrest into supports and align support(s) with headrest arm(s); then, tighten support screws.
6. Check for proper operation of headrest.

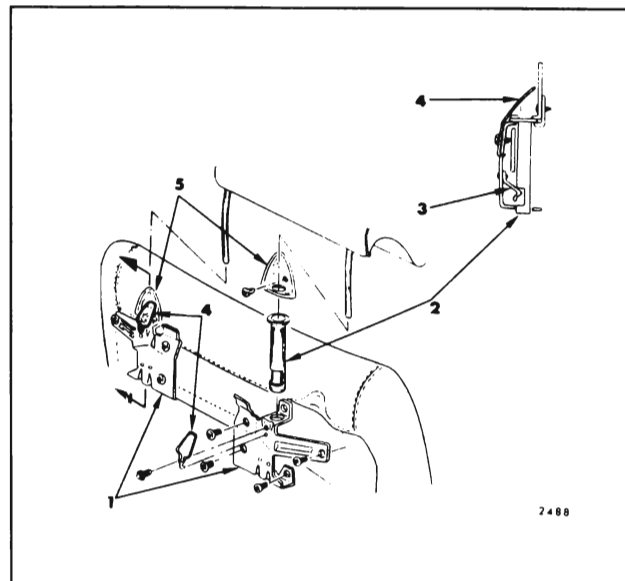


Fig. 15-35 — Strato Seat Back Headrest Supports

- | | |
|-----------------------|-------------------------|
| 1. Headrest Supports | 3. Detent Spring |
| 2. Plastic Guide Tube | 4. Retaining Spring |
| | 5. Finishing Escutcheon |

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. 15-37).
3. a. To remove seat back lock, disengage lock rod clip at lock (Fig. 15-37) and detach rod from lock. Remove bolts securing seat back lock to seat back outer hinge (Fig. 15-37) and remove lock from seat.
 b. To remove seat back lock control, disengage lock rod clip at control (Fig. 15-37) and detach lock rod from control. Remove lock control attaching bolts (Fig. 15-37) and remove lock control from seat back.
 c. To remove seat back lock rod, disengage lock rod clip at lock and at control (Fig. 15-37), detach lock rod from control and lock and remove from seat back.

STRATO BUCKET SEAT BACK ASSEMBLY— All Except "F and 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. 15-36).
3. Remove seat back hinge-to-seat cushion frame attaching bolts (Fig. 15-36) 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.

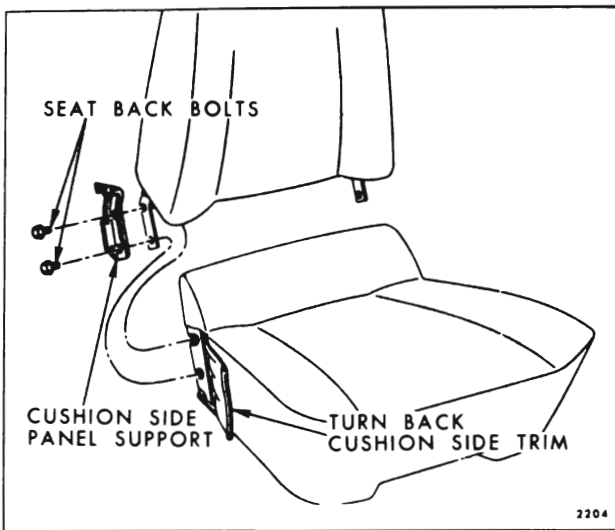


Fig. 15-36 — Bucket Seat Back Removal (Without Reclining Seat Back) - All Except Corvair

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 operating 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

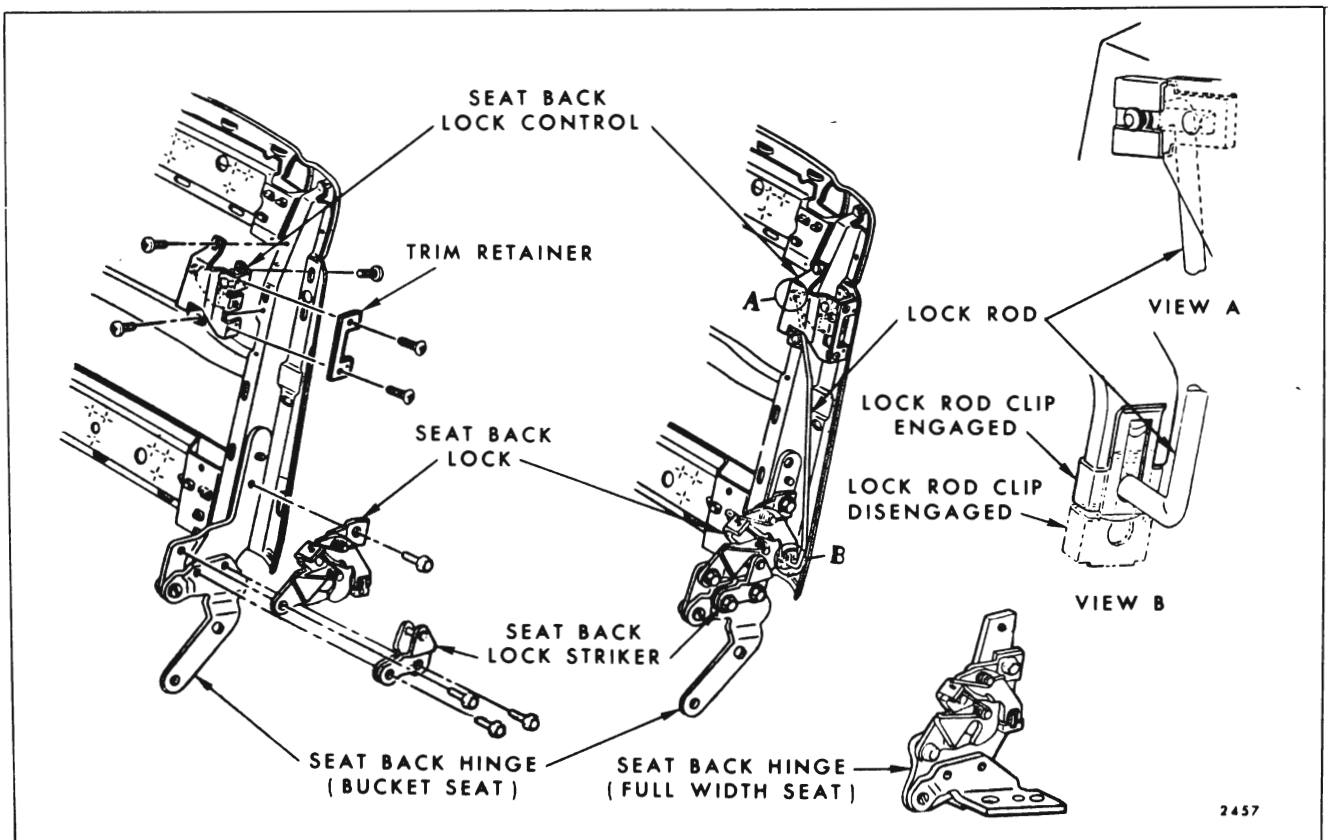


Fig. 15-37 — Seat Back Lock, Lock Control and Lock Rod - Strato Full Width and Bucket Seats



Fig. 15-38—Reclining Seat Back and Positioning Unit

1. Reclining Positioning Unit
2. Positioning Unit Attaching Roll Pins
3. Positioning Unit Control Cable

4. Control Cable Grommet in Cushion Trim
5. Control Cable Guide
6. Handle Control Lever
7. Control Handle

8. Seat Back Hinge Attaching Bolts
9. Seat Cushion Side Panel Rear Support
10. Seat Back Hinge

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 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. 15-38).
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. 15-38).
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. 15-38) is secured under seat back outer attaching bolts.
2. On right side of seat with seat cushion side panel removed, removed 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. 15-38).
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. 15-38).
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. 15-38).
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. 15-38); 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. 15-39).
3. Remove seat back lock striker attaching bolts (Fig. 15-39) and remove striker.
4. Disengage clip securing lock rod to lock (Fig. 15-39) and detach rod from lock.
5. Remove lock-to-hinge attaching bolts (Fig. 15-39) 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 POSITIONING UNIT

Removal and Installation

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

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.
2. 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. 15-39).
3. Remove control support attaching screws (Fig. 15-39) and remove support.
4. To install lock control support, reverse removal procedure. Check for proper operation of seat back lock.

2. Remove hog rings securing seat back trim cover and padding to seat back frame and remove seat back trim cover and padding.
3. Disengage clip securing lock rod to control assembly (Fig. 15-39) and detach rod from control assembly.
4. Remove control support and control assembly attaching screws (Fig. 15-39); then, remove control assembly from seat back.
5. To install, reverse removal procedure. Prior to installing seat assembly in body check for proper operation of seat back lock.

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

Removal and Installation

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

MANUALLY OPERATED BUCKET SEAT ADJUSTER

Removal and Installation

1. Remove bucket seat assembly, as previously described, and place seat upside down on a protected surface.
2. If replacing inboard adjuster, remove assist spring (Fig. 15-40).
3. Operate adjuster so that both front and rear adjuster-to-seat frame attaching bolts (Fig.

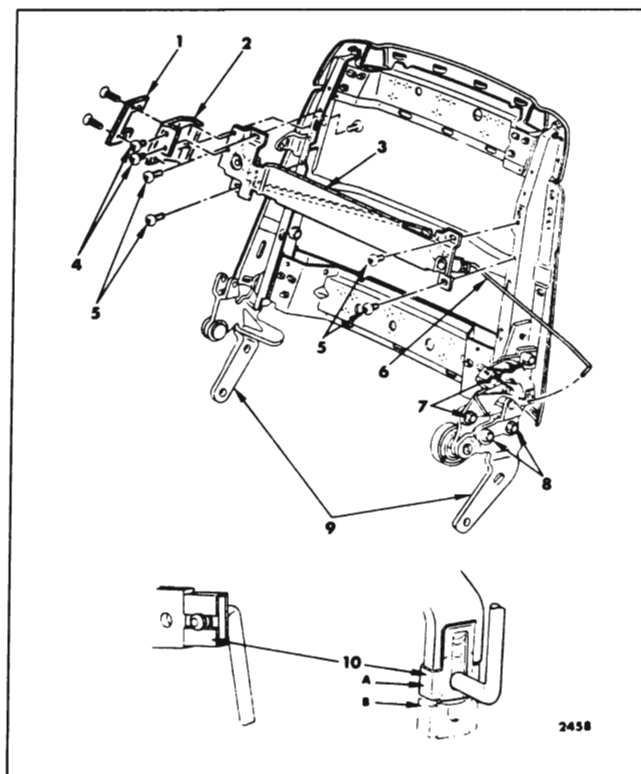


Fig. 15-39—Strato Reclining Seat Back Lock

- | | |
|---------------------------|---------------------------------|
| 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 |

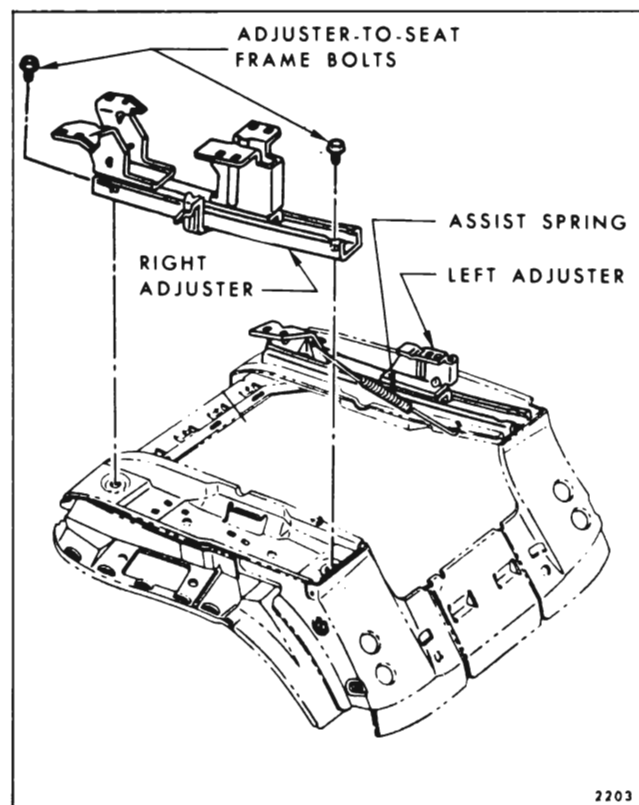


Fig. 15-40—Manual Bucket Seat Adjuster Removal

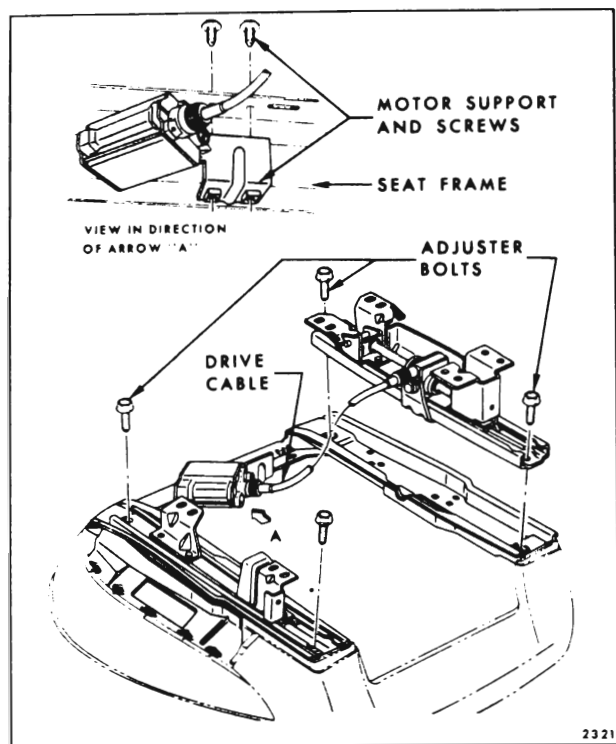


Fig. 15-41 - Power Horizontal Bucket Seat Adjuster Removal

15-40) are accessible; then, remove attaching bolts and remove adjuster from seat assembly.

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. 15-41).
3. Remove adjuster-to-seat bottom frame front and rear attaching bolts (Fig. 15-41) 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 midway 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 bolt, horizontal and vertical drive cables from vertical gearnut and horizontal actuator (Fig. 15-42).
4. Remove nuts securing motor and transmission support to adjuster being removed (Fig. 15-43).
5. Remove adjuster-to-seat bottom frame front and rear attaching bolts securing adjuster to be removed (Fig. 15-42).
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

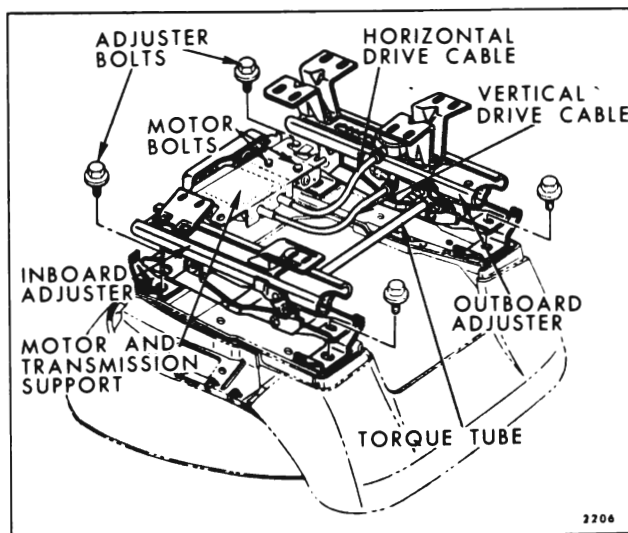


Fig. 15-42 - Four-Way Bucket Seat Assembly

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. 15-43) and remove cover.
2. Remove drive belt (Fig. 15-43) from both motor and transmission drive pulleys. Pulleys may be removed from either motor or transmission by pulling pulleys off their respective shaft.

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.
3. From under motor and transmission support

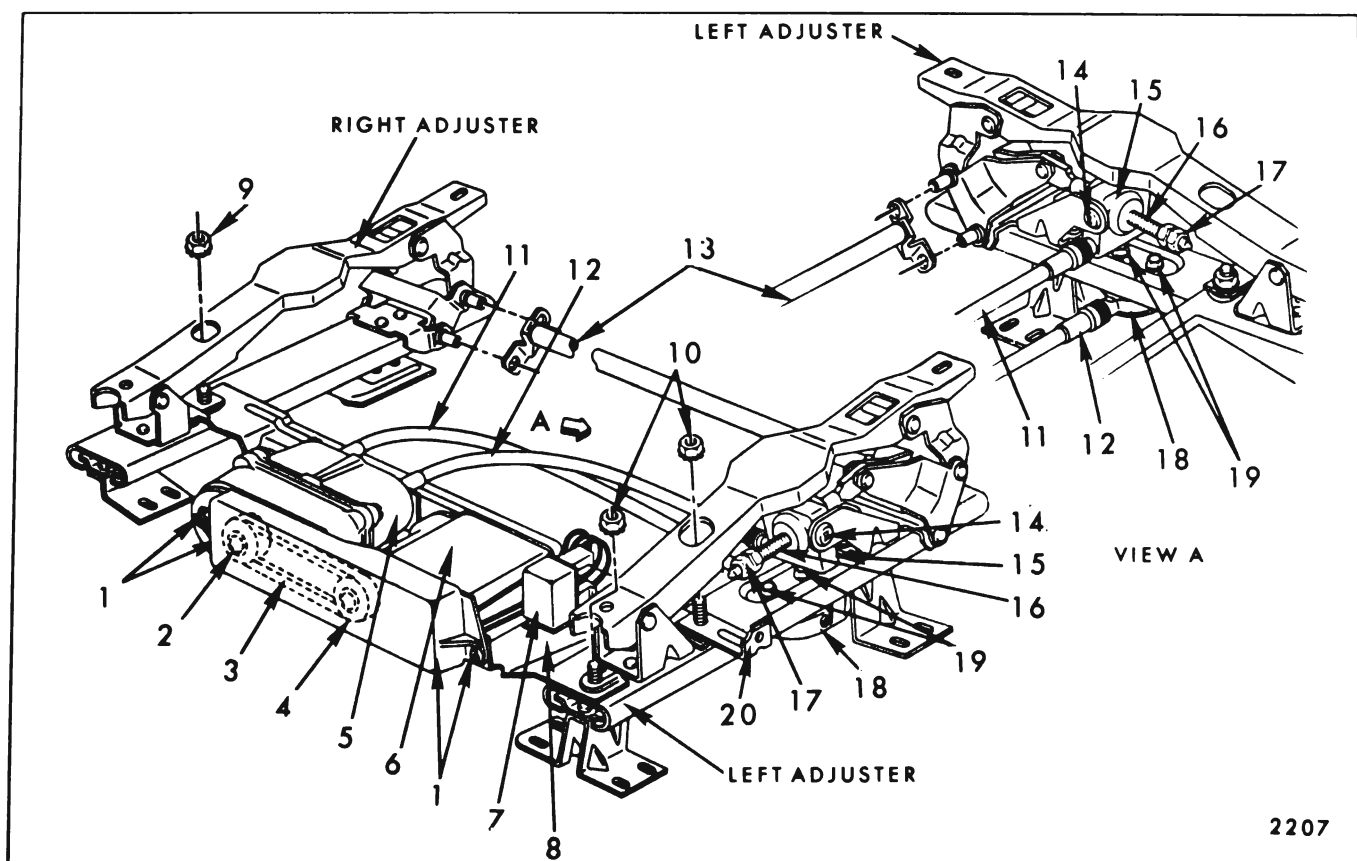


Fig. 15-43 —Four-Way Bucket Seat Adjusters

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

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. 15-43).
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 fully 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. 15-43).
 4. Remove jackscrew "down" stop from jackscrew (Fig. 15-43).
 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. 15-43).

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. 15-43).
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. 15-43).
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 horizontal 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. 15-42 and 15-43) 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 SEAT

REAR SEAT CUSHION—All Styles

Removal

1. Push lower forward edge of cushion rearward and pull cushion upward until wire protrusions on seat bottom frame disengage from floor pan retainers at each side of seat.

NOTE: On "E" Body Styles lift up front of seat cushion sharply to disengage cushion from pan retainers.

2. Pull cushion forward and carefully remove from body.

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.
3. Center wire protrusions on seat bottom with retainers on or in floor pan.

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

4. Push forward edge of cushion rearward and downward until protrusions are properly engaged behind retainers on floor pan.

REAR SEAT BACK ASSEMBLY— All Styles Except "F and 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 remove screws from inside rear compartment.

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. 15-44).
3. Lift seat back assembly upward to disengage tab of link from slot in anchor plate (Fig. 15-44), and remove seat back assembly from body.
4. To install folding seat back assembly, reverse removal procedure.

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.
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

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 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— 10039 Style

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.

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.

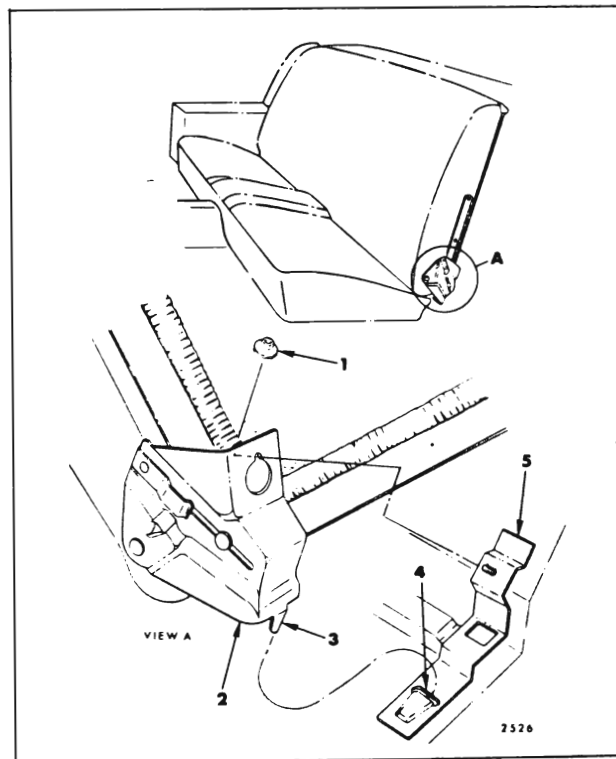


Fig. 15-44—Folding Rear Seat Back Assembly -
"F" Body Styles

- | | |
|-------------------------------------|---|
| 1. Link-to-Anchor Plate
Stud Nut | 4. Anchor Plate Slot |
| 2. Folding Seat Back Link | 5. Folding Seat Back
Link Anchor Plate
(on floor pan) |
| 3. Link Tab | |

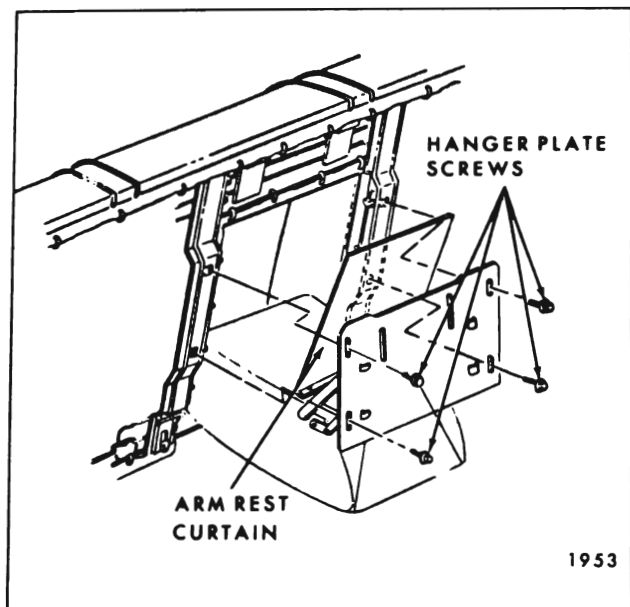


Fig. 15-45—Rear Seat Back Arm Rest and Hanger Plate

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 Style 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.
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. 15-45).
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 15-46 is typical of 15000 and 16000 two-seat station wagons.

Figure 15-47 is typical of 15000 and 16000 three-seat station wagons with split second seat option.

Figure 15-48 is typical of 25000 and 26000 two-seat station wagons.

Figure 15-49 is typical of 25000 three-seat station wagons with split second seat option.

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.

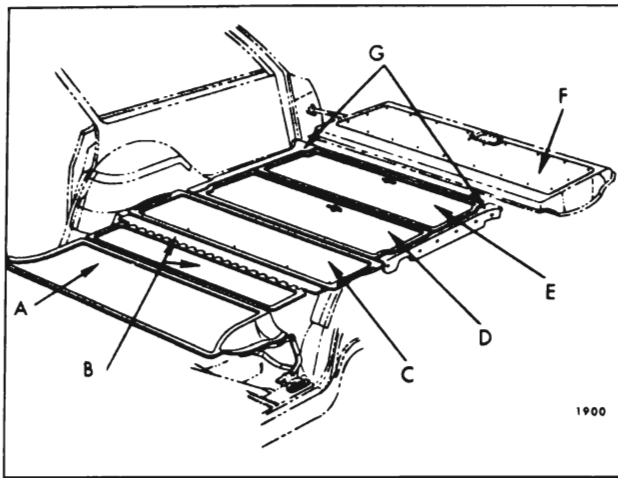


Fig. 15-46 — Folding Seat and Floor Panels
Chevrolet "B-35" Styles

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

3. Remove filler panel attaching screws and remove panel assembly from body opening.

4. To install, reverse removal procedure.

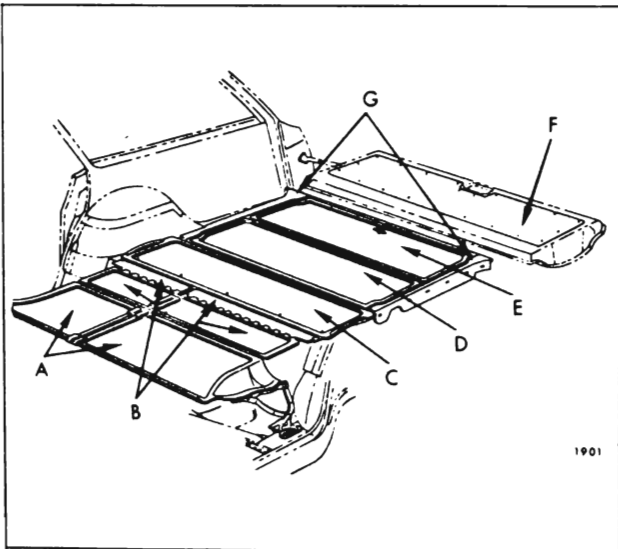


Fig. 15-47 — Folding Seats and Floor Panels
Chevrolet "B-45" Styles

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

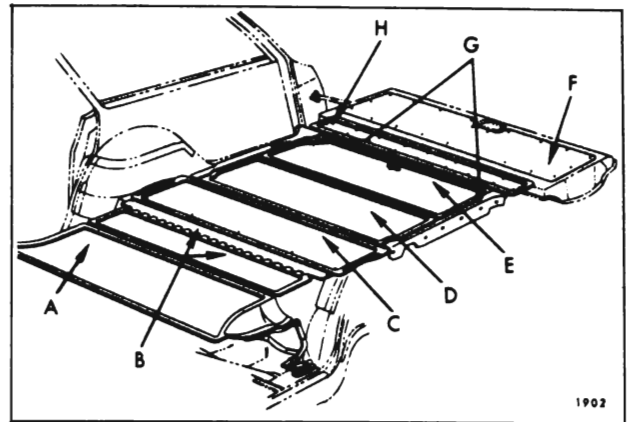


Fig. 15-48 — Folding Seat and Floor Panels
Pontiac "B-35" Styles

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

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. 15-50).

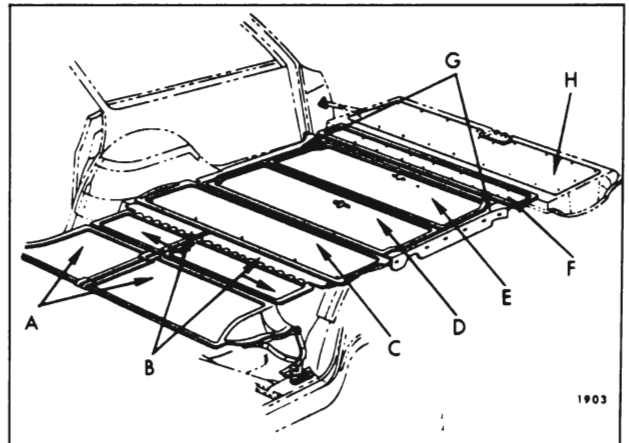


Fig. 15-49 — Folding Seats and Floor Panels
Pontiac "B-45" Styles

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

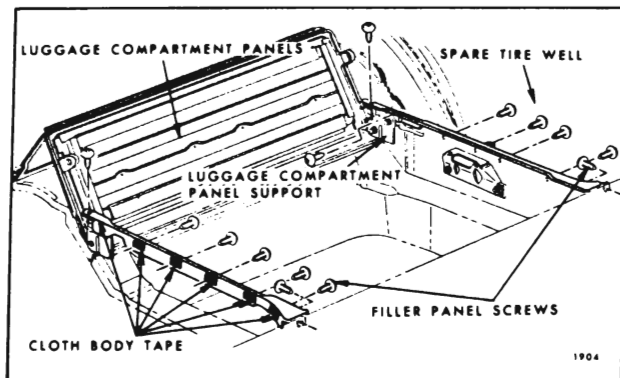


Fig. 15-50—Rear Compartment Pan Side Filler Panels

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.
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. 15-50) 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. 15-50).

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. 15-50).
3. Remove bolt (Fig. 15-51) 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. 15-51).

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.

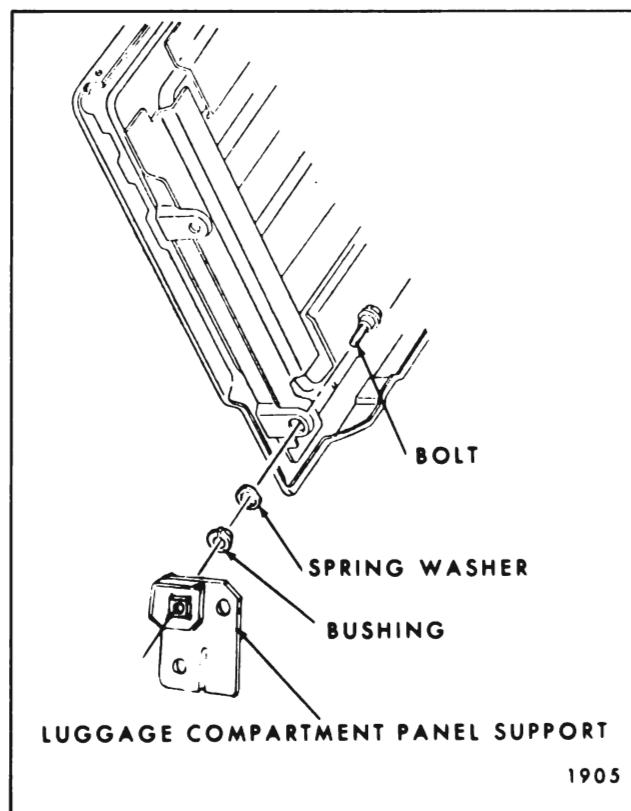


Fig. 15-51—Luggage Compartment Panel Attachment to Body

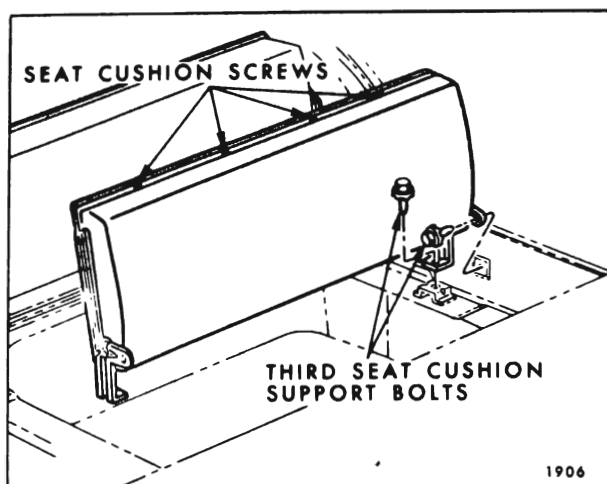


Fig. 15-52—Folding Third Seat Cushion

FOLDING THIRD SEAT CUSHION— Three-Seat Styles

Removal and Installation

1. Lift third seat cushion to a half raised position or approximately vertical to floor pan (Fig. 15-52).
2. Remove four seat cushion screws from rearward edge of cushion (Fig. 15-52).
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. 15-52).
2. Remove two bolts at each side of seat securing supports to body (Fig. 15-52); 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. 15-53).

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. 15-53)

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. 15-54).
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.

FOLDING THIRD SEAT BACK PANEL ASSEMBLY—Three-Seat Styles

Removal and Installation

1. Remove third seat back trim assembly.

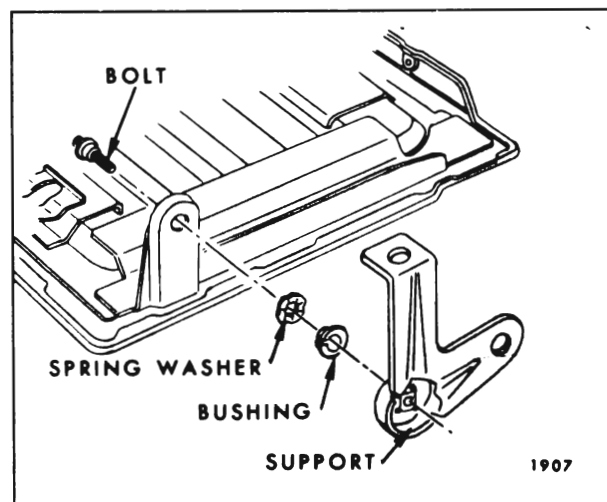


Fig. 15-53—Third Seat Cushion Panel and Support

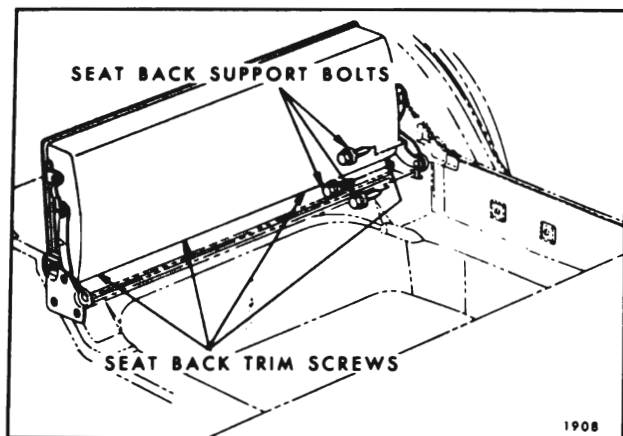


Fig. 15-54—Folding Third Seat Back

2. At both sides of third seat back panel remove seat back linkage bolt (Fig. 15-55) and bolt securing seat back panel to support (Fig. 15-55); then remove seat back panel assembly from body.
3. To install, reverse removal procedure.

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.

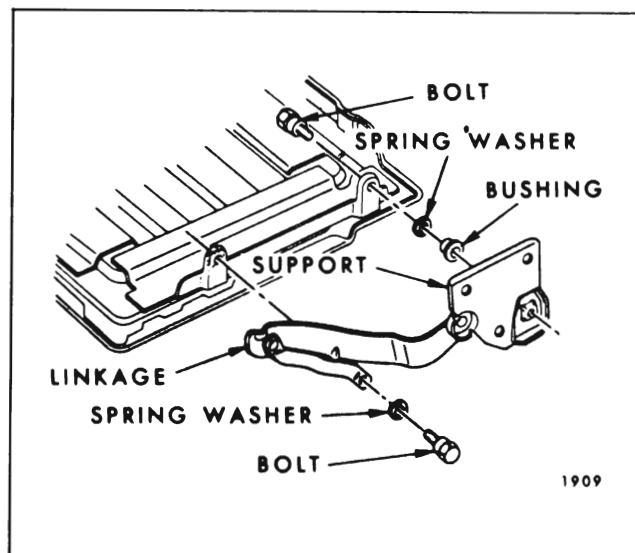


Fig. 15-55—Third Seat Back Panel and Linkage

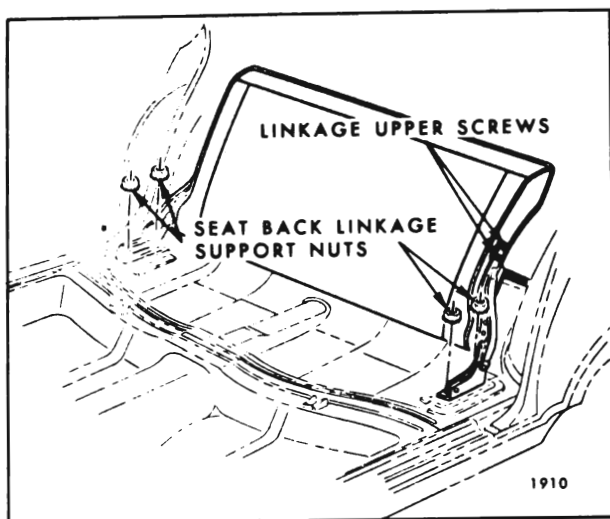


Fig. 15-56—Folding Second Seat Back Supports
(Full Width Seat)

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 15-56), full width seat (Fig. 15-57) 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. 15-58 for full width seat) (Fig. 15-59 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. 15-59).

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:

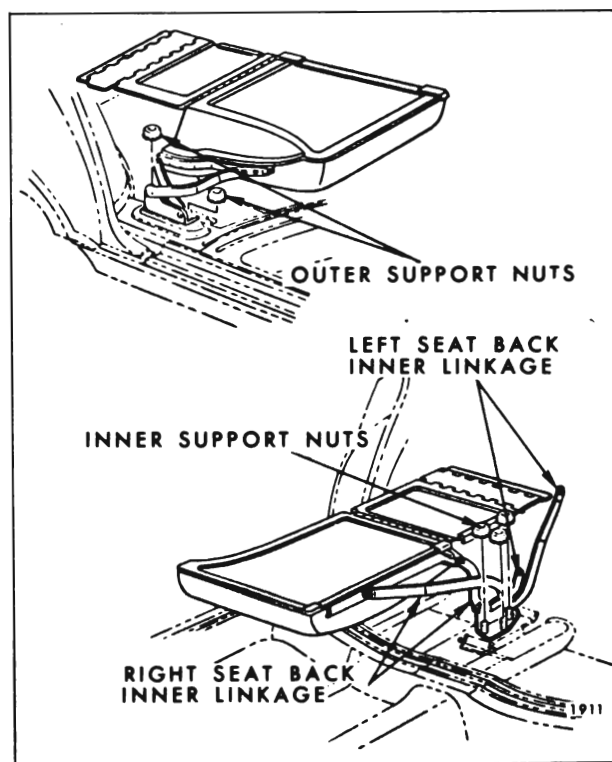


Fig. 15-57—Folding Second Seat Back Supports and
Linkages (Split Seat)

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. 15-58).
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. 15-58).
5. Remove nuts securing linkage support to floor pan (See Fig. 15-56); 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. 15-57).

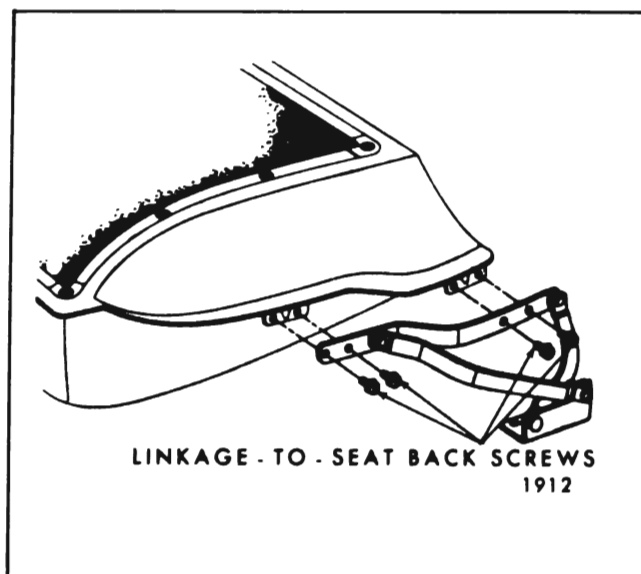


Fig. 15-58—Folding Second Seat Back Supports and Linkage (Full Width Seats)

4. Remove inner linkage-to-seat back bolts from both right and left seats (See Fig. 15-59); 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. 15-59).

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. 15-60); then turn lock cylinder with key until cylinder can be removed from case.
3. To install, reverse removal procedure.

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. 15-60).
3. Remove lock cylinder case retainer screw and retainer (Fig. 15-60); then, remove lock cylinder and case, gasket and escutcheon from panel (Fig. 15-60).

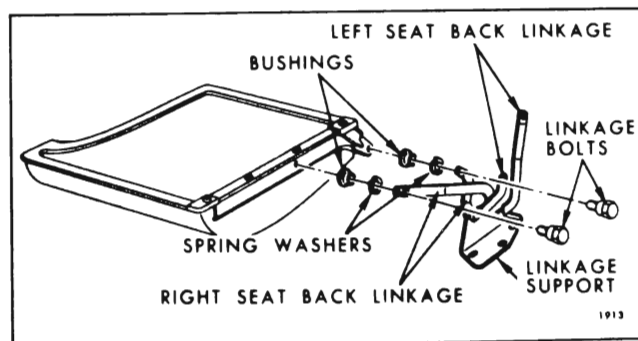


Fig. 15-59—Folding Second Seat Back Inner Linkage and Support

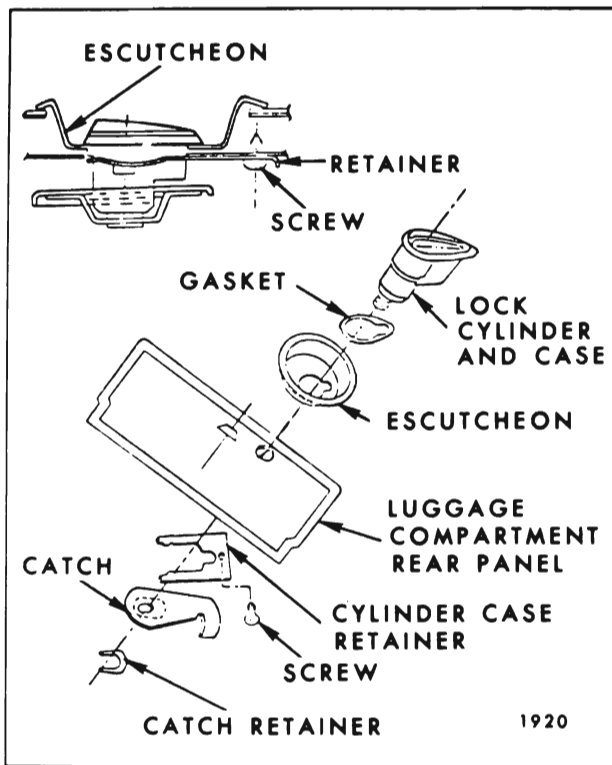


Fig. 15-60 — Luggage Compartment Lock Chevrolet "B" Styles

4. To install, reverse removal procedure.

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

DESCRIPTION

Figures 15-61 and 15-62 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.

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.

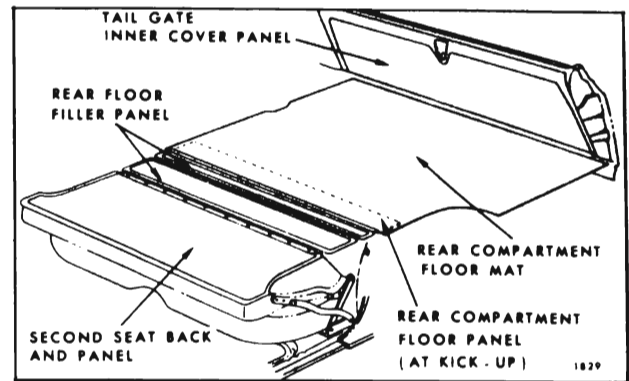


Fig. 15-61 — Folding Second Seat and Rear Floor Panel Covers

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. 15-62). 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. Lift up front edge of cushion assembly to disengage protrusions on seat bottom frame from

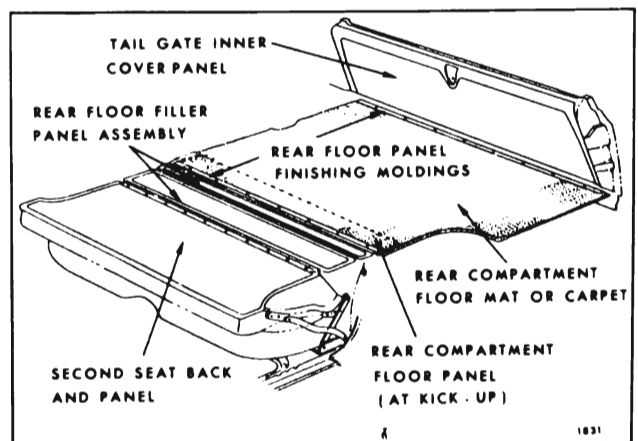


Fig. 15-62 — Folding Second Seat and Rear Floor Panel Covering

slots in seat cushion support and remove cushion assembly.

2. To install, reverse removal procedure. Make certain protrusions on seat bottom frame are fully engaged in slots in seat cushion support.

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

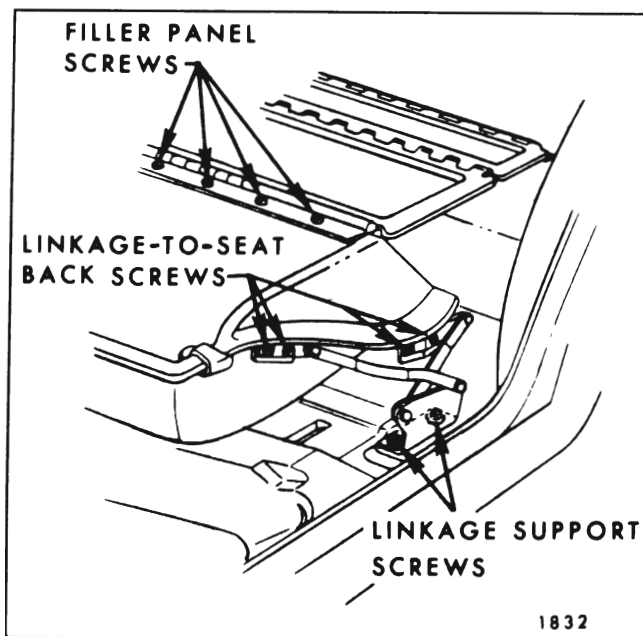


Fig. 15-63—Folding Second Seat Back Linkage and Filler Panel

floor panel covering and remove eight hex-head 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. 15-63) and remove seat back and panel assembly from body. See Fig. 15-64 for center linkage attachments on split second seat.
3. To install, reverse removal procedure.

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.

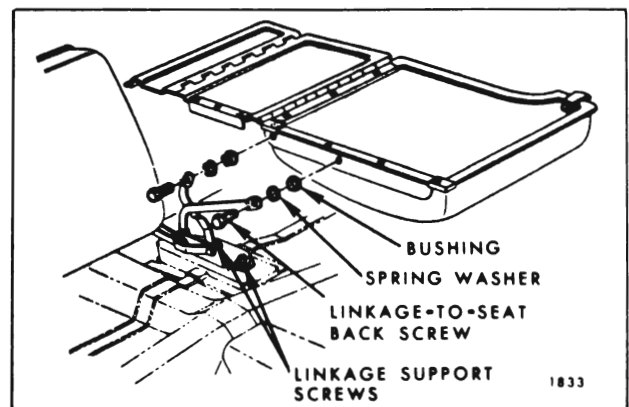


Fig. 15-64—Split Second Seat Center Linkage

FOLDING SECOND SEAT BACK LOCK (FULL WIDTH OR SPLIT SEAT)—All "A, B & X" 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 & X" 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. 15-65) and remove lock handle.
3. Remove seat back lock attaching screws (Fig. 15-65) and remove seat back lock from seat back panel.

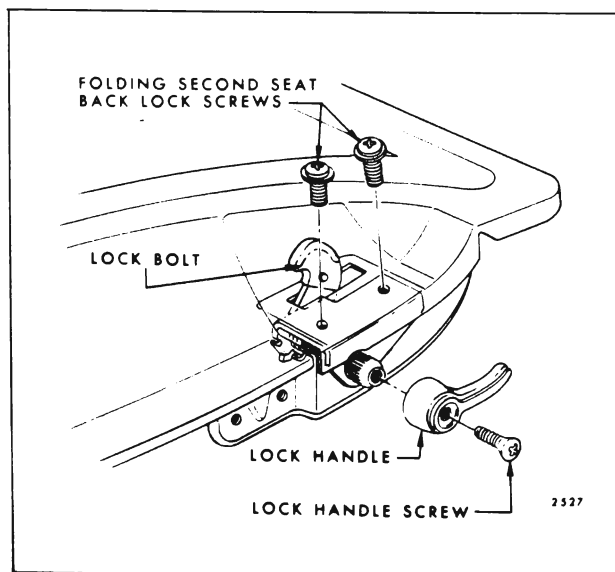


Fig. 15-65—Folding Second Seat Back Lock Installation
All "A & B" Station Wagons (except "A-65" Styles)

4. To install seat back lock assembly, reverse removal procedure. A small amount of lock adjustment is available to obtain proper engagement of lock bolt with lock striker on wheelhouse as shown in Fig. 15-66.

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 folds flush with the floor panels. A luggage compartment is provided under the luggage compartment floor panel. Fig. 15-67 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

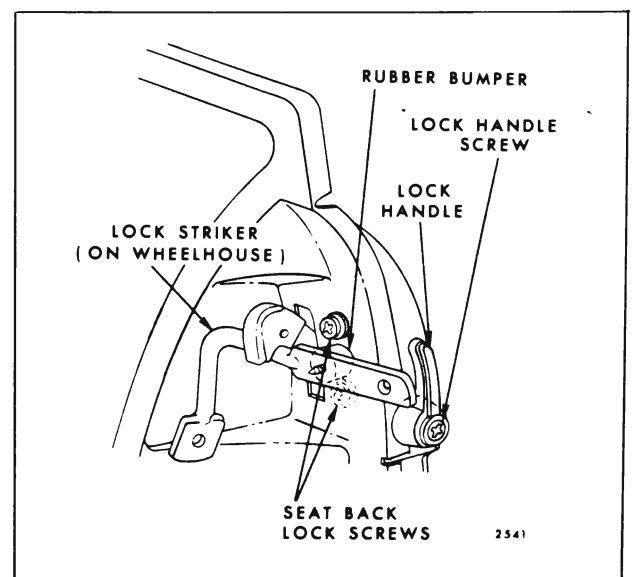


Fig. 15-66—Folding Second Seat Back Lock & Striker - All "A, B & X" Station Wagons
(Except "A-65" Styles)

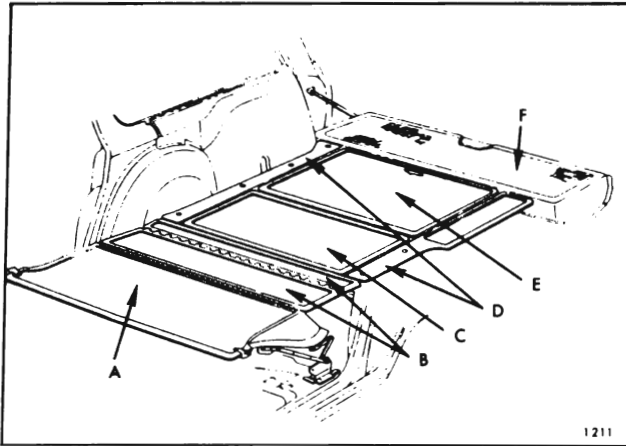


Fig. 15-67 —Folding Seat and Rear Compartment Floor Panels "A-55" Style Station Wagon

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

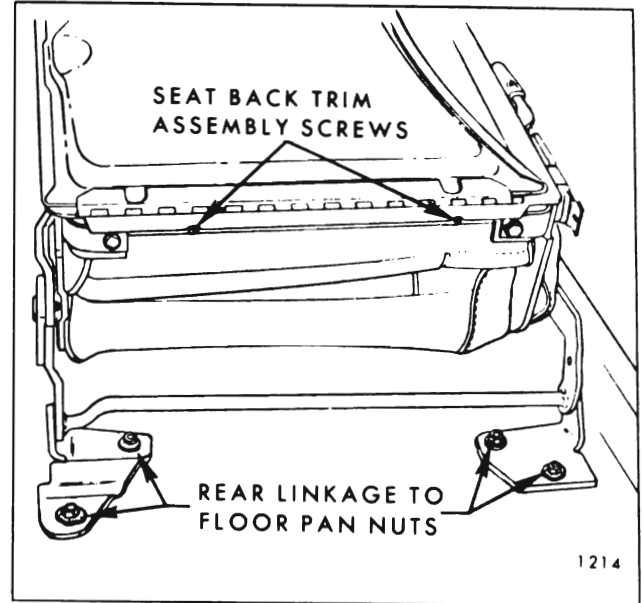


Fig. 15-69 —Folding Second Seat Rear Linkage

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 15-68 identifies the major load floor panels on the "65" Style Skylight station wagon.

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

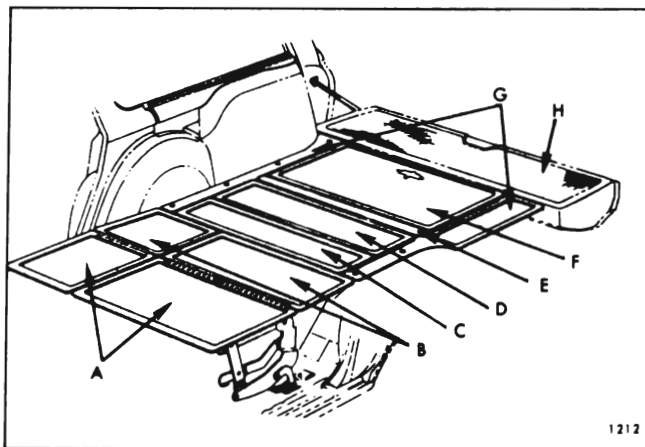


Fig. 15-68 —Folding Seats and Rear Compartment Floor Panels "A-65" Style Station Wagon

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

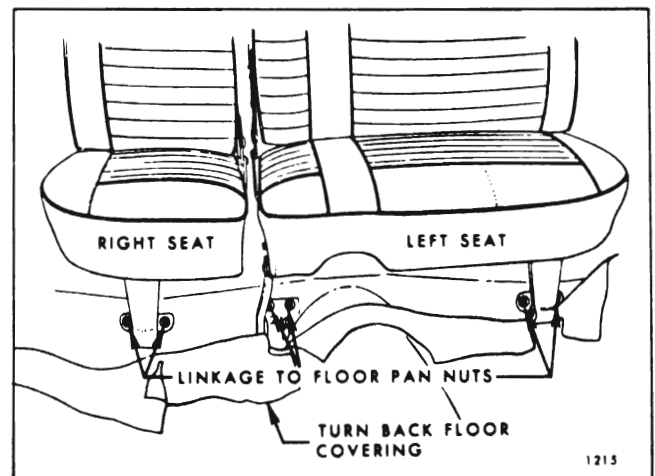


Fig. 15-70 —Folding Second Seat Front Linkage

securing folding seat front and rear linkage to floor pan (Fig. 15-69 and 15-70).

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 (Fig. 15-69 and 15-70); 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.

2. Remove hog rings and detach outboard rear portion of trim sufficiently to remove three screws securing seat outer link to cushion frame (Fig. 15-71).
3. Remove three screws securing seat inner link to cushion frame (Fig. 15-72); 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.

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

Removal and Installation

1. Fold second seat back forward.

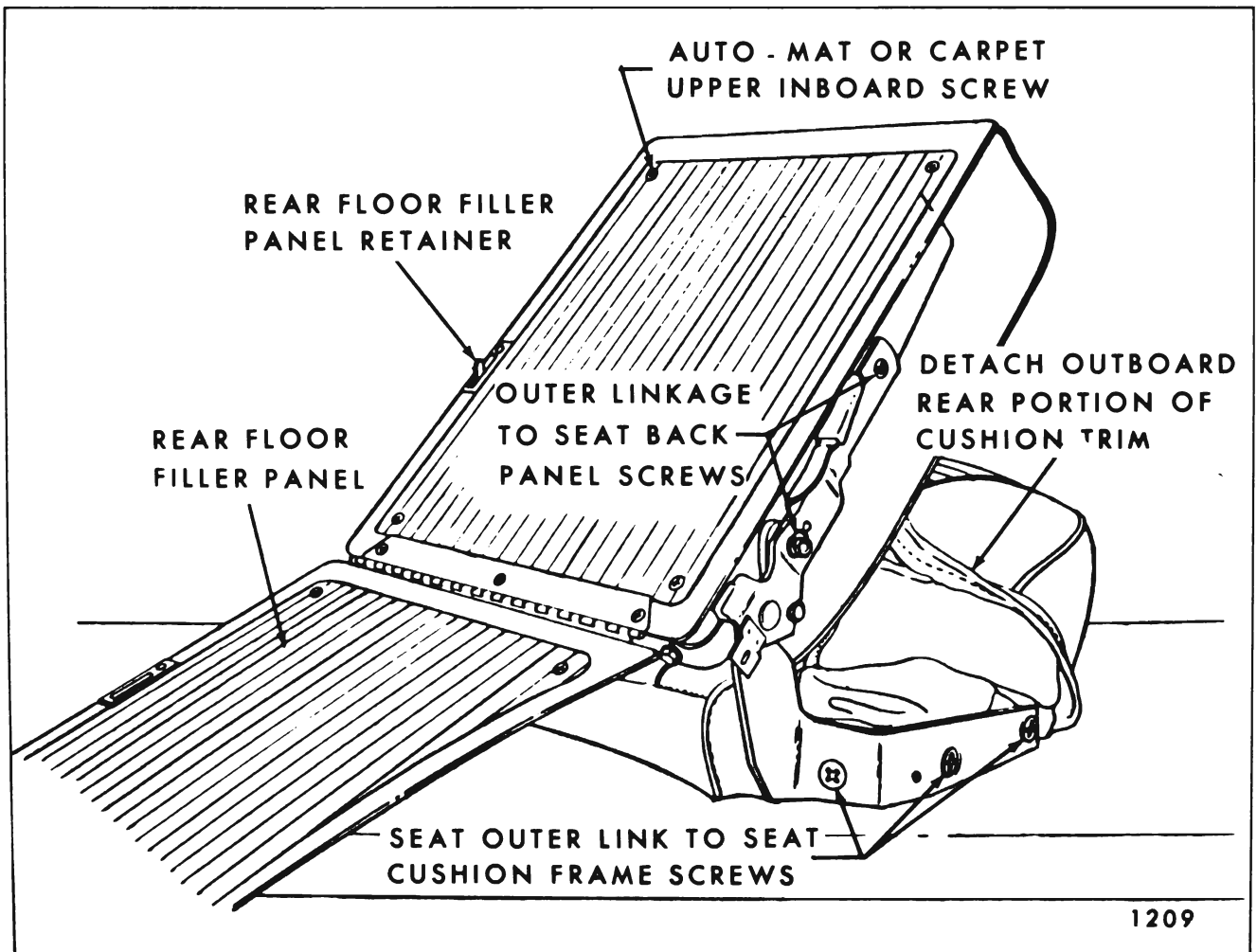


Fig. 15-71 —Folding Second Seat Outer Linkage

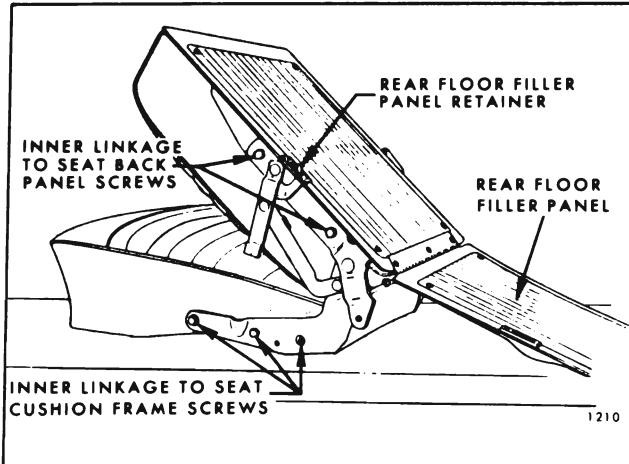


Fig. 15-72—Folding Second Seat Inner Linkage

2. Remove seat back trim assembly attaching screws. (see Fig. 15-69).
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. 15-71). 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. 15-70); 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. 15-73); then, remove linkage assembly from seat.
3. To install, reverse removal procedure. Inserts in Figure 15-73 show relationship of linkage, bushings and attaching screws.

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. 15-73).
3. Remove seat inner linkage-to-seat back panel and seat cushion frame attaching screws (see Fig. 15-72); 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.

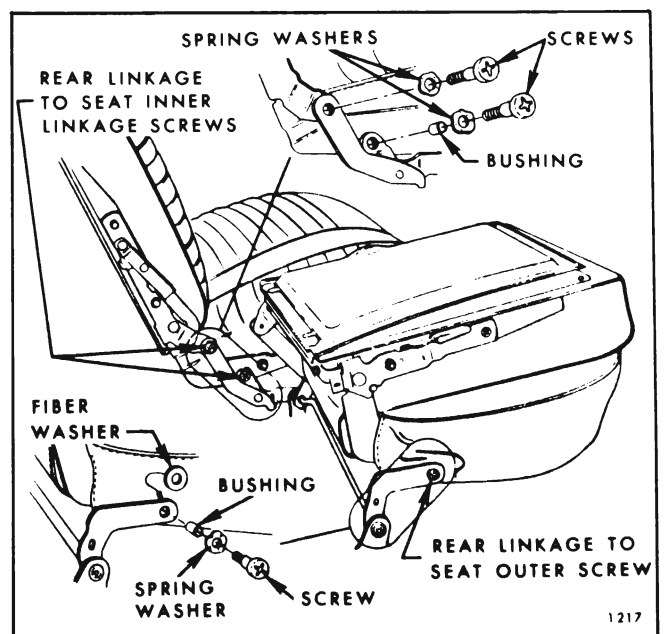


Fig. 15-73—Floor Pan Rear Linkage

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. 15-73).
3. Remove hog rings and detach rear portion of trim sufficiently to remove three screws securing outer linkage to seat cushion frame. (See Fig. 15-71).
4. Remove outer linkage-to-seat back panel attaching screws (see Fig. 15-71); 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. 15-71).
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. 15-74).
3. Install lock handle attaching screw; then, install outer linkage to seat back panel attaching screws (Fig. 15-71).
4. Install seat back trim assembly and outer linkage cover.

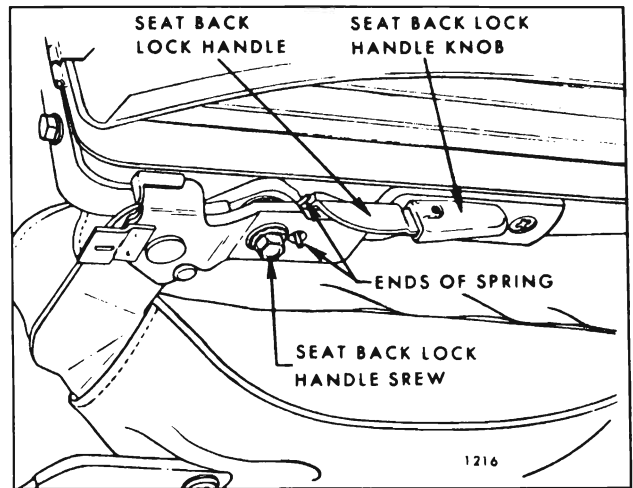


Fig. 15-74—Seat Back Lock

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. 15-75). 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.

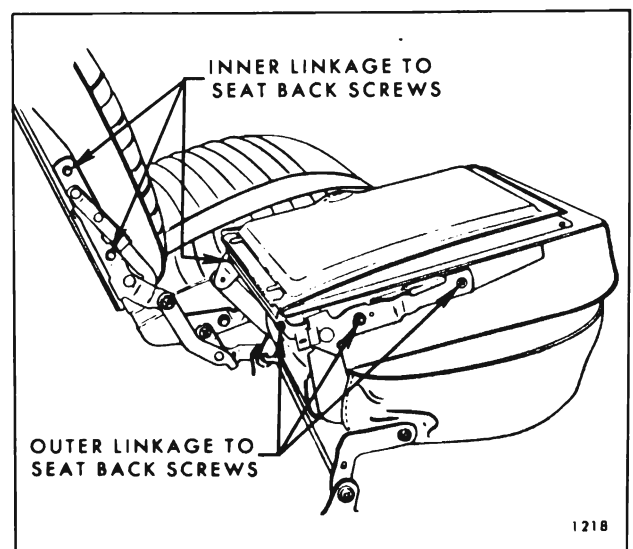


Fig. 15-75—Seat Inner and Outer Linkage

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. 15-68).
2. Remove seat back linkage-to-compartment side pan attaching bolt (Fig. 15-76) at both right and left sides of seat.
3. At left side of seat remove seat back hinge pin retainer (Fig. 15-76).

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. 15-76).

FOLDING THIRD SEAT CUSHION TRIM ASSEMBLY—"65" Styles

1. Raise folding third seat. Raise front of third seat cushion and prop in up position.

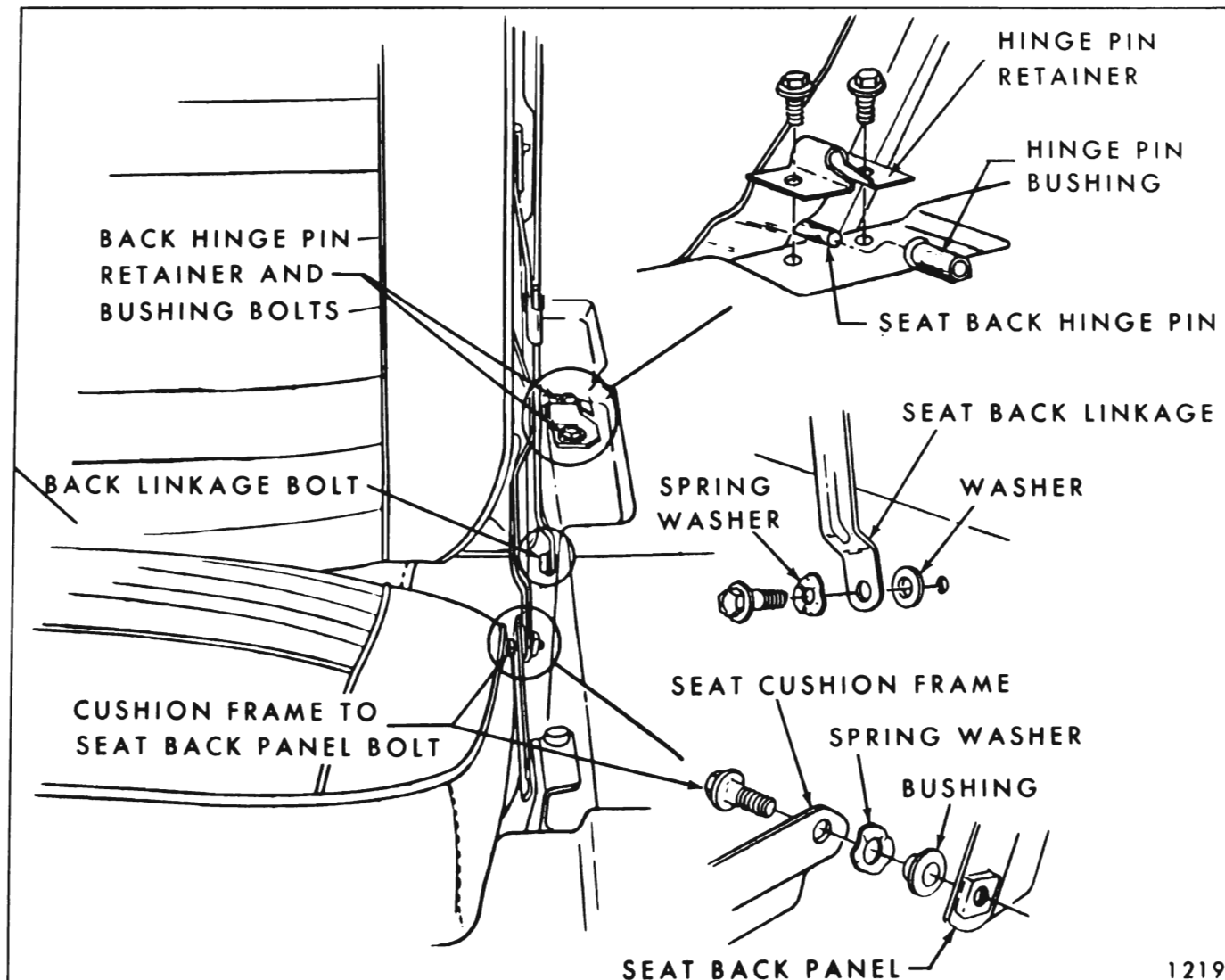


Fig. 15-76—Folding Third Seat

2. Remove hog rings securing seat back trim flap to bottom of seat cushion (Fig. 15-77).
3. Remove seat cushion frame-to-seat back panel attaching bolt (Fig. 15-76) 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. 15-77) 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 15-76.

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. 15-77).
3. To remove seat back trim assembly remove seat back trim-to-seat back panel attaching screws (Fig. 15-77); then, lift trim assembly upward to disengage wire loops on seat back trim from slots in seat back panel and remove trim assembly.
4. To remove seat back panel assembly, remove seat cushion frame-to-seat back panel attaching bolt (Fig. 15-76); 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 15-76 for correct instal-

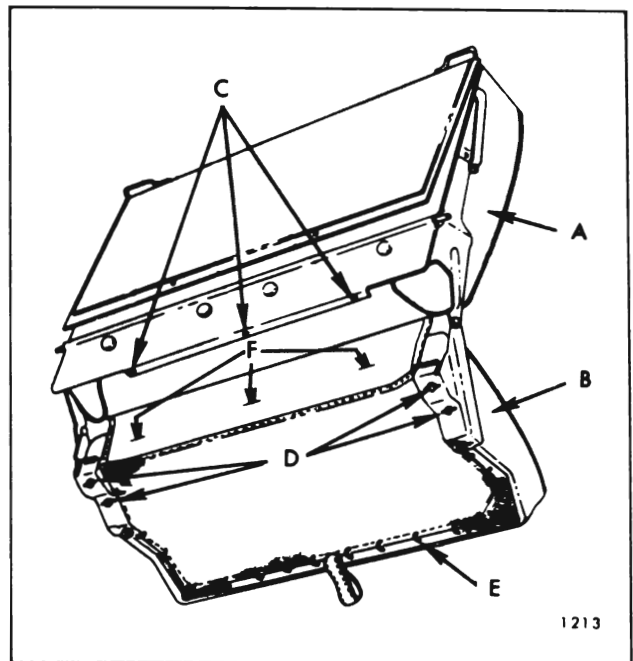


Fig. 15-77 —Folding Third Seat Assembly

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

lation 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

FRONT AND REAR SEAT BELTS— All Styles

GENERAL INFORMATION

Front and rear seat belts are provided on all styles. 1/2 inch - 13 UNC - 2N bolts are specified for all floor anchorages. Proper care of seat

belts will provide added security to driver and passengers.

NOTE: THE FOLLOWING PRECAUTIONS SHOULD BE OBSERVED.

1. Keep sharp edges and damaging objects away from belts.

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

IMPORTANT: Specified 1/2 inch - 13 UNC - 2N bolts **MUST** be used for floor anchorages.

Removal and Installation

The locations and types of seat belt to floor pan attachments used on 1967 styles are shown in Figures 15-78, 15-79, 15-80 and 15-81.

To remove seat belts, remove seat belt outer and inner floor anchor bolts as described and illustrated for type floor mount being removed - to remove full width seat inner belt(s) from seat, remove plastic trim protector at rear of seat and carefully pull floor anchor end of belt through seat. To install seat belts, reverse removal procedure. Tighten floor anchor bolts 24 to 45 ft. lbs.

STANDARD FLOOR MOUNTS WITH PLASTIC COVER

Slide belt webbing through plastic cover sufficiently to gain access to anchor bolt as shown in Figures 15-79, 15-80 and 15-81.

RETRACTOR TYPE FLOOR MOUNT

With belt fully extended, insert screwdriver through belt opening in cover, as shown in Figure 15-79, apply just enough outward pressure to inside of cover adjacent to metal tabs to disengage cover from tabs. Lift up cover to expose seat belt retractor anchor bolt.

REAR SEAT AND STATION WAGON FULL WIDTH SECOND SEAT

Remove rear seat cushion to gain access to seat belt anchor bolts (Figure 15-78).

STATION WAGON THIRD SEAT (FACING FORWARD)

Raise third seat back. Lift up front of third seat cushion sufficiently to gain access to seat belt anchor bolts (Fig. 15-78).

STATION WAGON THIRD SEAT (FACING REARWARD)

Raise third seat back. Leave third seat cushion in down position to allow access to seat belt anchor bolts (Fig. 15-78).

STATION WAGON SPLIT SECOND SEAT

Fold split second seat forward to gain access to seat belt anchor bolts.

SEAT BELT BAIL TYPE RETRACTOR

As an option, seat belts are available with bail type seat belt retractors on the outboard 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. 15-82).

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. 15-82).

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.

FRONT SEAT SHOULDER STRAPS

GENERAL INFORMATION

Front seat shoulder straps are available for both drivers and passengers seat on all styles.

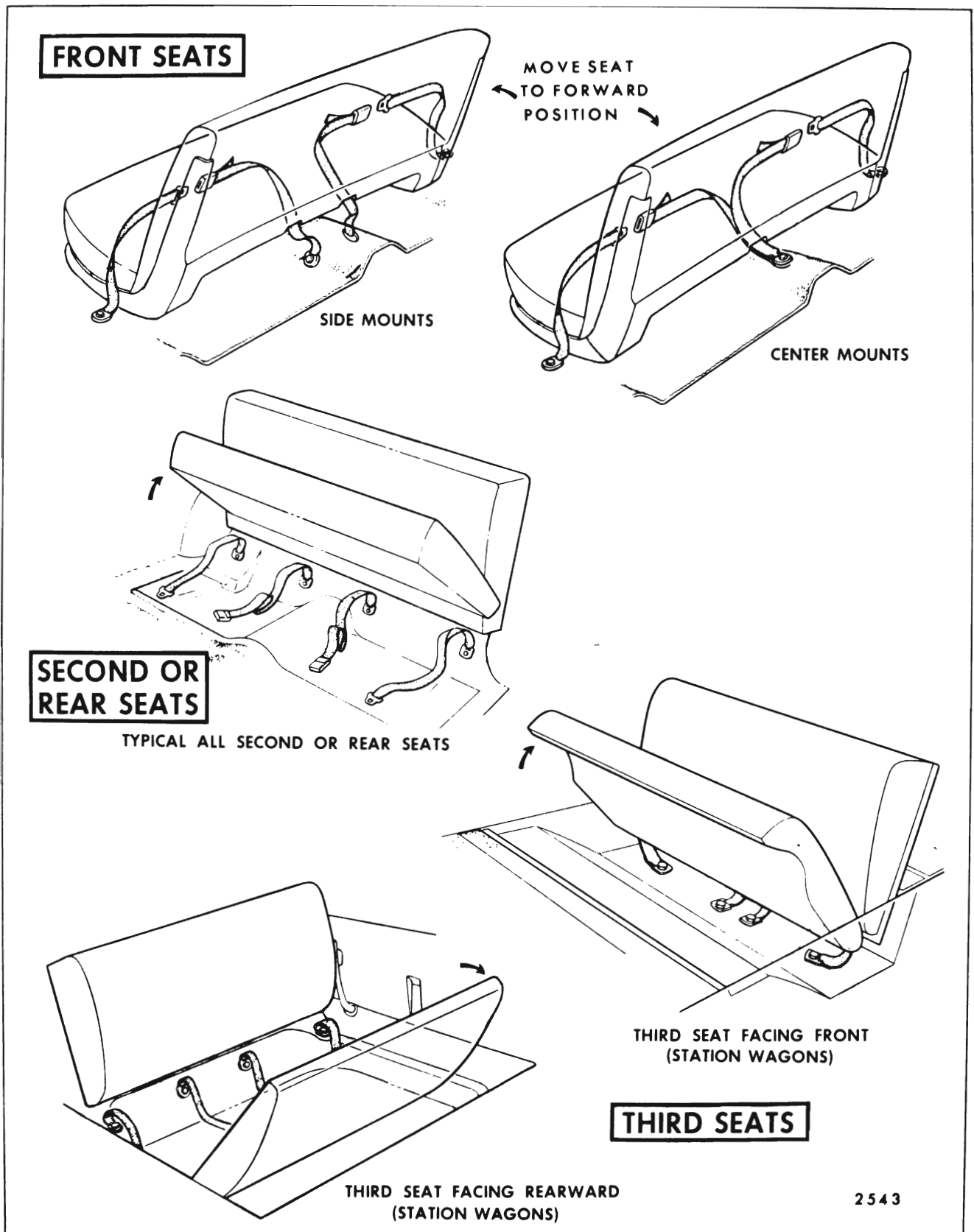
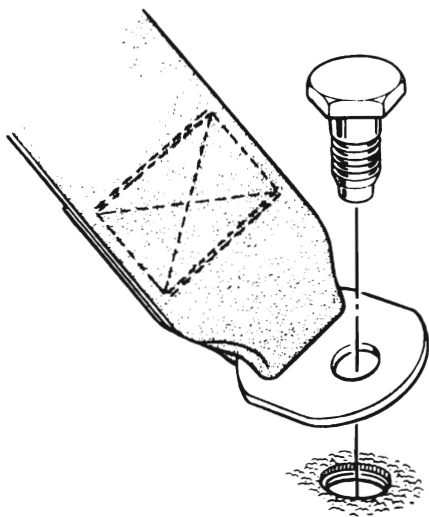
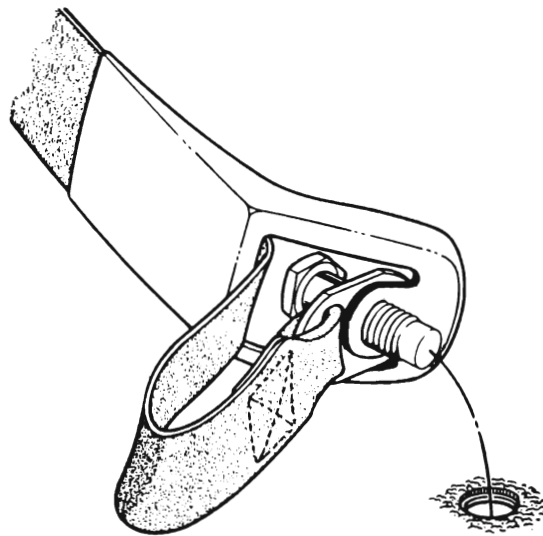
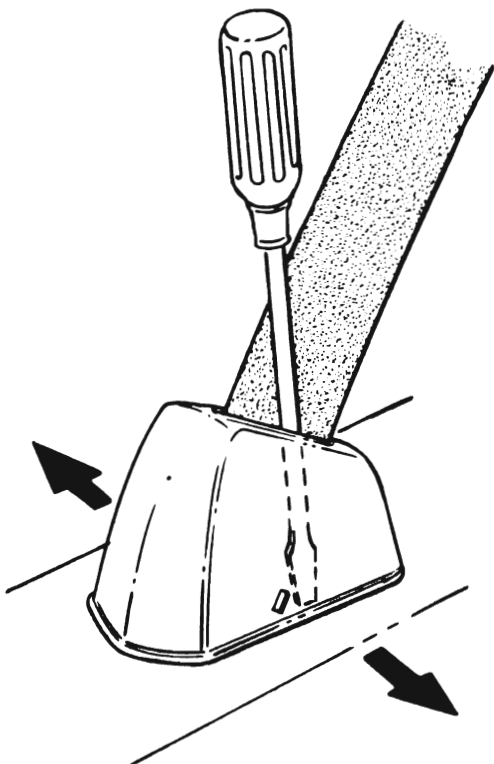
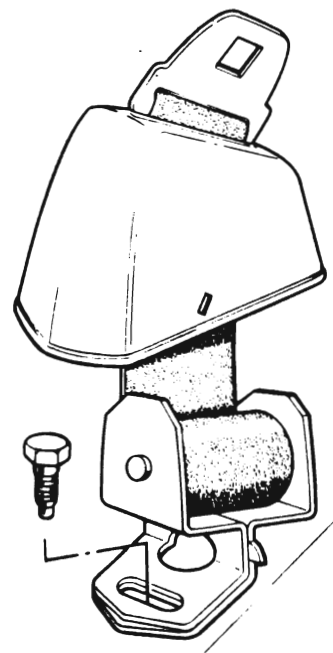


Fig. 15-78—Seat Belts - Full Width Front and Rear Seats

**STANDARD FLOOR MOUNT****STANDARD FLOOR MOUNT
(WITH PLASTIC COVER)****RETRACTOR TYPE
FLOOR MOUNT****2544**

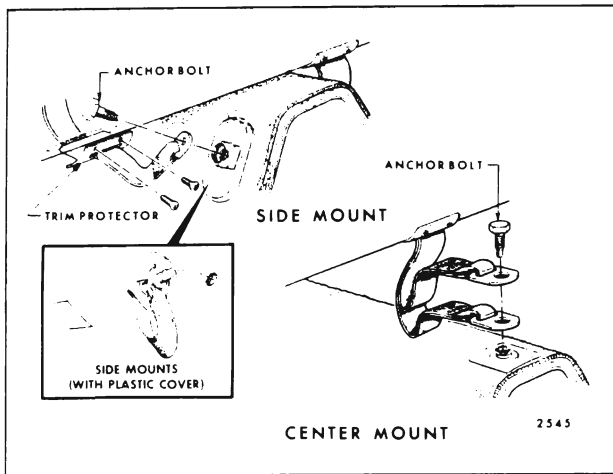


Fig. 15-80 — Seat Belt Inner Floor Mount Anchorage

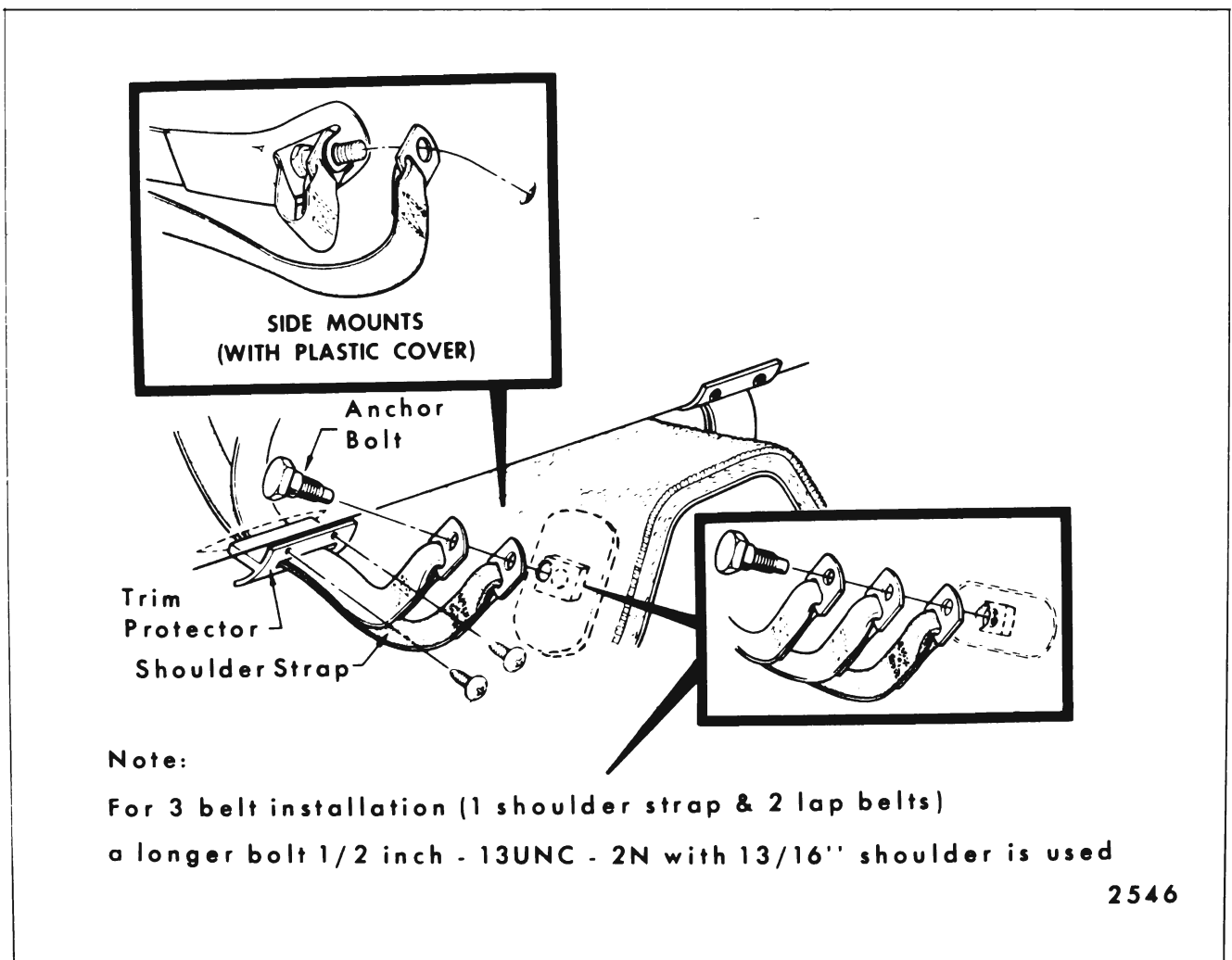
Built in roof and floor anchorage provisions are provided in all 1967 body styles. To locate roof anchorage provisions for an original shoulder strap installation, refer to locating dimensions supplied in the service package installation instruction sheets.

NOTE: Shoulder straps not in use must be anchored by inserting buckle into retainer to prevent buckle end from lashing about.

Proper care of shoulder straps will provide added security to driver and front passenger.

The following precautions must be observed.

1. Keep sharp edges and damaging objects away from shoulder straps.
2. Use caution not to bend or damage any portion of the shoulder strap buckle or latch.



Note:

For 3 belt installation (1 shoulder strap & 2 lap belts)

a longer bolt 1/2 inch - 13UNC - 2N with 13/16" shoulder is used

2546

Fig. 15-81 — Inner Seat Belt Floor Side Mount Anchorage for Three Belt Installation (One Shoulder Strap and Two Lap Belts)

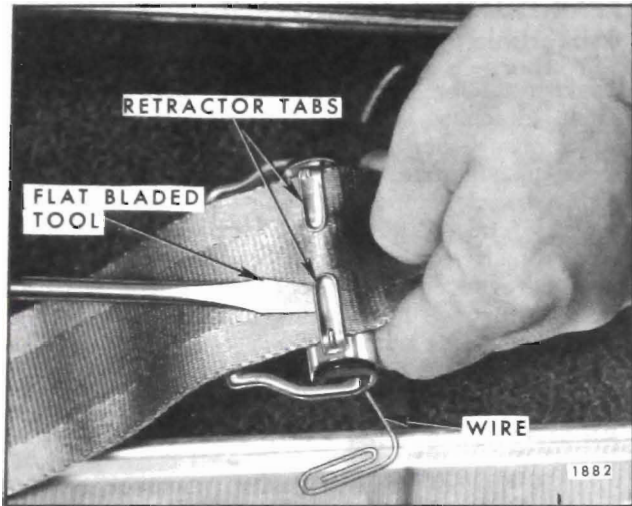


Fig. 15-82—Removal of Bail Type Retractor from Seat Belt

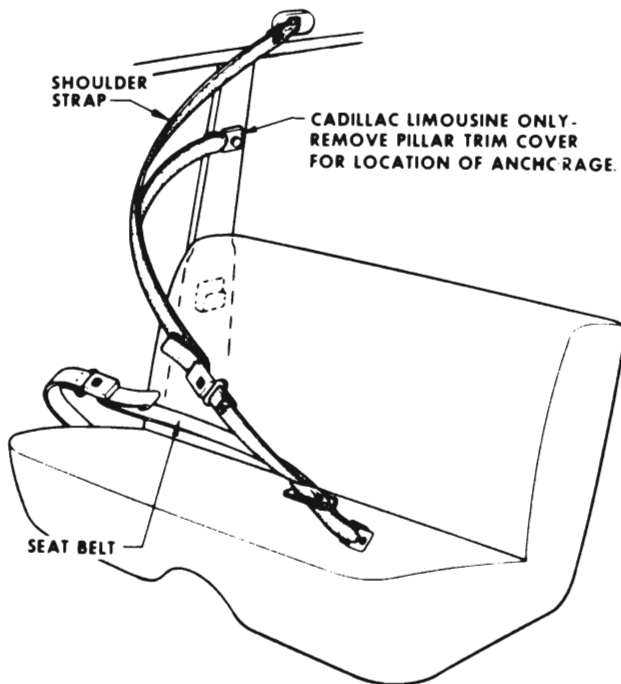
3. Do not bleach or re-dye webbing (clean with a mild soap solution and water).
4. When installing shoulder strap anchor bolt, start bolt by hand to assure that bolt is threaded straight.
5. Tighten anchor bolts to specified torque - 24 to 45 ft. lbs.

IMPORTANT: Specified 1/2 inch - 13 UNC - 2N bolts **MUST** be used for floor anchorages.

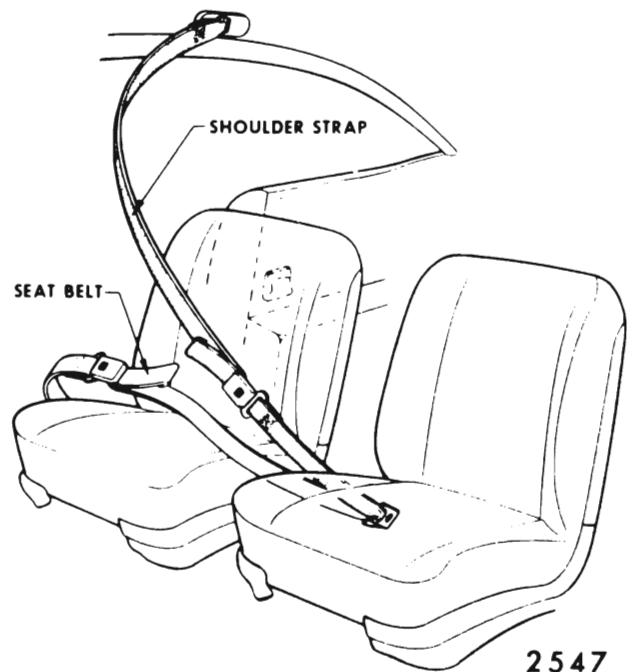
Removal and Installation

ROOF ANCHORAGE—CLOSED STYLES

Carefully remove plastic trim cap. Remove roof anchor screws (Fig. 15-84) and remove shoulder strap and mounting plate.



4 DOOR STYLES



2 DOOR STYLES

Fig. 15-83—Typical Shoulder Strap Installation

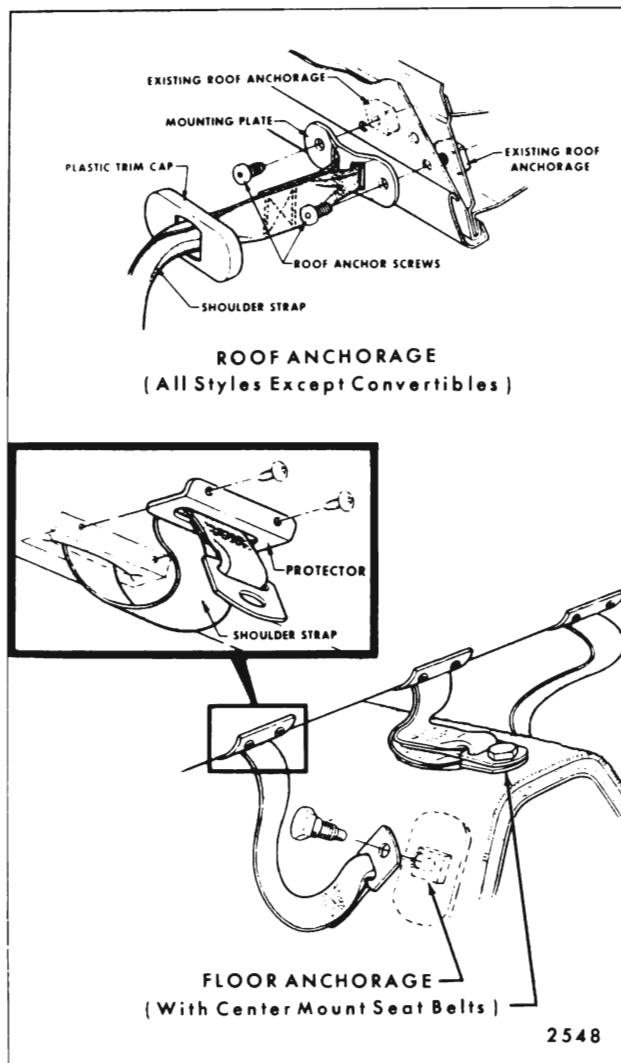


Fig. 15-84—Shoulder Strap Roof Anchorage (All Styles except Convertible) and Floor Anchorage (All Styles)

REAR QUARTER ANCHORAGE— Convertible Styles

Remove folding top compartment side trim upper panel attaching screws. Remove convertible top male hinge upper attaching bolt securing shoulder strap anchor plate. (See Fig. 15-85). Carefully pull compartment side trim upper panel away from rear quarter trim sufficiently to remove shoulder strap and protective sleeve from between panels. To install reverse removal procedure. Check that protective sleeve is properly positioned between quarter and side trim panel.

FLOOR PAN ANCHORAGE— All Styles (See Fig. 15-84)

Remove anchor bolt securing shoulder harness floor pan anchor plate (See Fig. 15-84 for styles with center mount seat belts) (See Fig. 15-81 for styles with side mount seat belts).

SHOULDER STRAP BUCKLE RETAINER— All Styles

To properly locate shoulder strap buckle retainers for an original shoulder strap installation refer to locating dimensions supplied in the service package installation instruction sheets.

NOTE: Shoulder straps not in use must be anchored by inserting buckle into retainer to prevent buckle end from lashing about.

Removal and Installation

Carefully insert a small straight screw driver into joint of retainer and open retainer to gain access to retainer attaching screws (See Fig. 15-86). Remove retainer attaching screws (Fig. 15-86) and remove retainer. To install, reverse removal procedure.

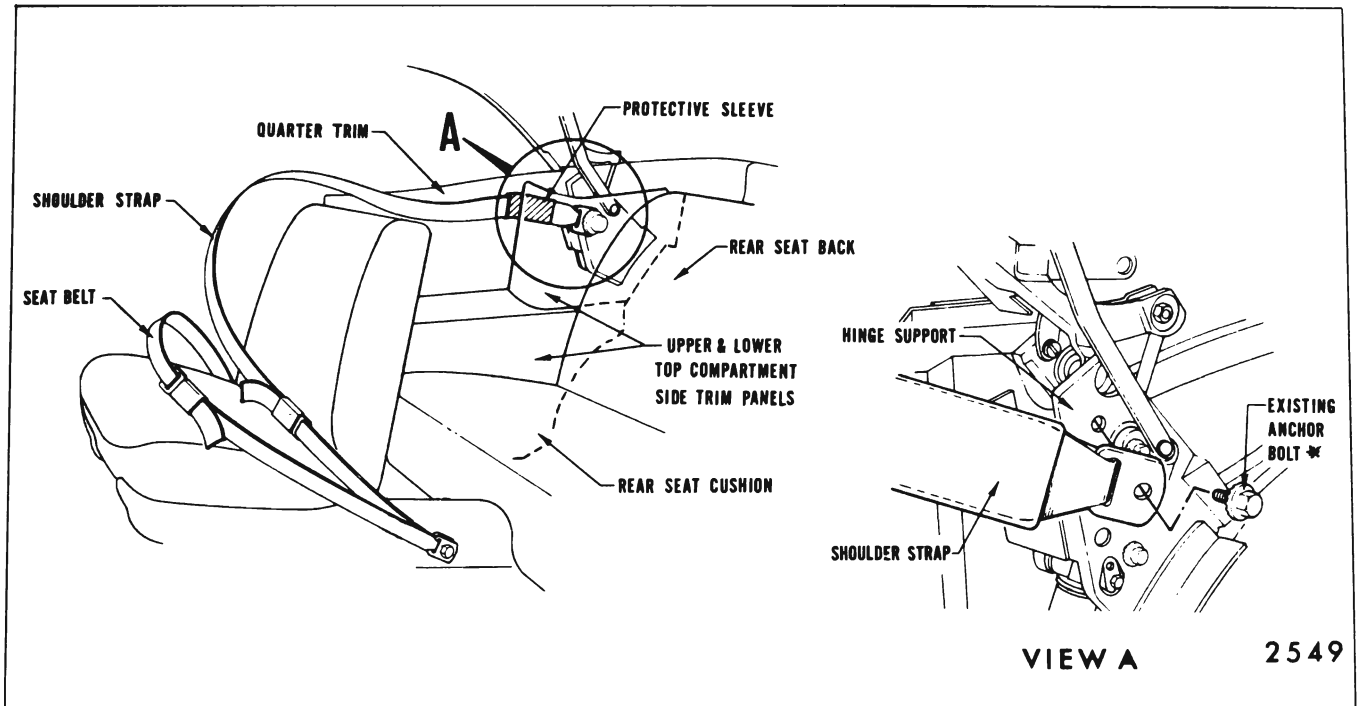


Fig. 15-85 — Shoulder Strap Rear Quarter Anchorage (Convertible Styles Only) *Existing Male Hinge Upper Bolt

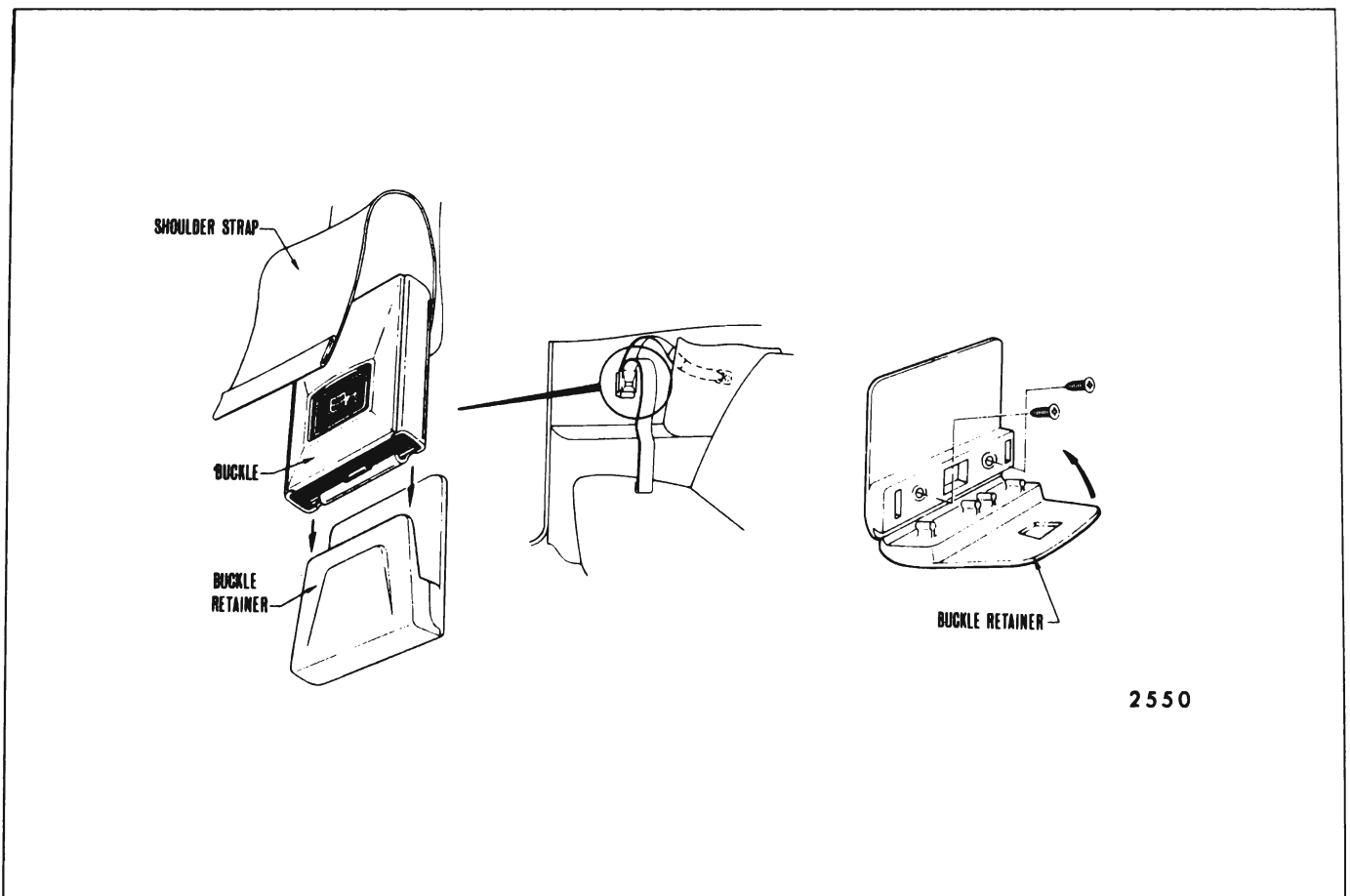


Fig. 15-86 — Shoulder Strap Buckle Retainer