

## SEATS

### FRONT SEAT ASSEMBLY (MANUAL FULL WIDTH SEATS)

Manually operated front seat adjusters provide fore and aft movement of the seat. When the lever at the left seat adjuster is moved rearward the seat adjusters unlock, permitting horizontal travel of the seat. When the seat is in the desired position, and the lever released, the seat is locked.

#### FRONT SEAT ASSEMBLY WITH SEAT ADJUSTERS ATTACHED

##### Removal and Installation

1. Turn back floor carpeting, where necessary, to expose seat adjuster-to-seat support attaching bolts. Remove both driver and passenger inner seat belt floor pan attaching bolt.
2. Operate seat to full forward position.
3. At rear of adjusters, remove adjuster-to-floor pan attaching bolts.
4. Operate seat assembly to full rearward position.
5. At front of adjusters, loosen adjuster-to-floor pan attaching bolts.
6. With aid of helper, slide seat assembly rearward until front legs of adjuster are disengaged from under front attaching bolts. Remove seat assembly from body.
7. To install, reverse removal procedure.

**NOTE:** Make certain front legs of adjusters are completely engaged under retaining bolts before tightening bolts.

#### FRONT SEAT ADJUSTERS

##### Removal and Installation

1. Remove front seat assembly with adjusters attached from body and place upside down on a clean, protected surface.
2. Remove seat adjuster assist spring from adjuster to be removed (Fig. 2H1).
3. If left adjuster is being replaced, remove adjuster control knob (Fig. 2H1).

4. 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.

5. Remove adjuster-to-seat bottom frame front and rear attaching bolts and remove seat adjuster from seat assembly. (Fig. 2H1).

6. To install, reverse removal procedure. Check seat assembly for proper operation prior to installing seat assembly.

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

7. 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. 2H1).

#### FRONT SEAT BACK ASSEMBLY

##### Removal and Installation

1. Remove front seat assembly from body and place it upside down on a clean, protected surface.
2. Remove hog rings securing central portion of lower rear edge of seat back trim from front seat cushion spring assembly.
3. Raise trim and remove cardboard breakover foundation to expose seat cushion spring attachment

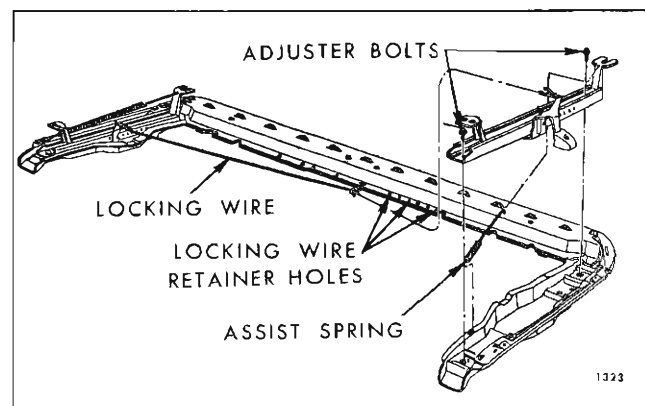


Fig. 2H1—Manual Seat Adjusters

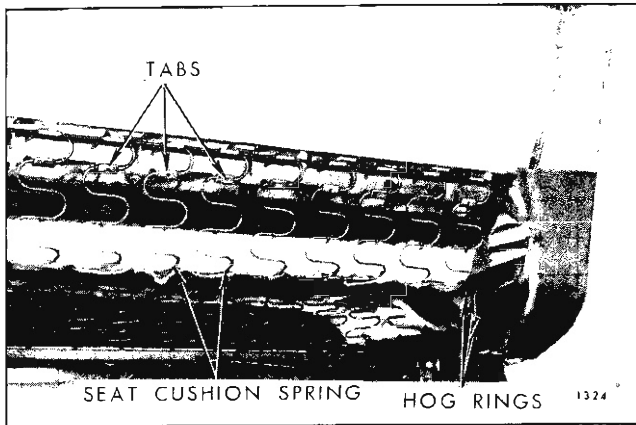


Fig. 2H2—Front Seat Cushion-To-Seat Back Spring Attachment

to seat back frame along rear of seat and hog rings securing ends of seat back trim to seat bottom frame. (See Fig. 2H2).

4. At each end of seat remove hog rings securing lower edge of seat back trim from seat bottom frame. Then raise seat back trim to expose bolts securing seat back reinforcement to seat bottom frame. (See Fig. 2H3).

5. Bend open tabs securing seat cushion spring assembly to seat back frame and carefully disengage springs from tabs. (See Fig. 2H2).

6. Place seat assembly in upright position. Then with a helper, holding seat back assembly, remove seat back reinforcement-to-seat bottom frame attaching bolts on each side of seat and remove seat back assembly.

7. To install, reverse removal procedure.

**NOTE:** Make certain rear edge of seat cushion spring assembly is properly engaged to seat back frame and cardboard breakover foundation is properly positioned prior to hog ringing central portion of trim in place.

## REAR SEAT CUSHION ASSEMBLY

### Removal

1. Push lower forward edge of cushion rearward and pull cushion upward until protrusions on seat bottom frame disengage from floor pan stops.

2. Pull cushion forward and carefully remove from body.

### Installation

1. Carefully lift cushion into body to avoid damaging adjacent trim.

2. Position rear edge of cushion under rear seat back assembly.

3. Center protrusions on seat bottom frame with stops on floor pan assembly.

**IMPORTANT:** If seat bottom frame protrusions are not properly centered in relation to floor pan stops, 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 floor pan stops.

## REAR SEAT BACK ASSEMBLY

### Removal and Installation

1. Remove rear seat cushion assembly.

2. At bottom of the seat back on all styles except convertibles, bend out the two tabs that secure the seat back to the floor panel. On convertibles, remove the two screws securing the seat back to the floor panel and at back of seat remove screws securing folding top compartment side trim panels to seat back assembly.

3. Pull seat back assembly out at bottom until seat back clears body tabs; then, raise seat back upward until disengaged from hangers on the 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.

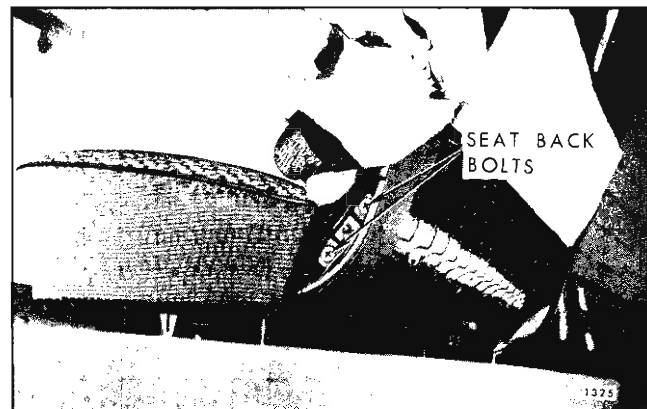


Fig. 2H3—Front Seat Back Attachment

## FRONT SEAT ASSEMBLY—FULL WIDTH (FOUR-WAY TILT)

### DESCRIPTION

The seat adjusters are actuated by a 12 volt, reversible, shunt wound motor with a built-in circuit breaker. The motor is installed at the left side of the seat assembly. (See Fig. 2H4). The seat motor is energized by a toggle-type control switch installed in the left seat side panel.

The seat adjuster operating mechanism incorporates a transmission assembly which includes two solenoids and four 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 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 switch contacts are opened, a return spring returns the solenoid plunger to its original position disengaging it from the driving gear dog.

### FRONT SEAT ASSEMBLY—FOUR-WAY (TILT)

#### Removal and Installation

1. Remove both driver and passenger inboard seat belt floor pan attaching bolt. Remove both seat adjuster track covers; then turn back floor carpeting sufficiently to expose adjuster-to-floor pan attaching bolts.

2. Under front of seat, disconnect seat harness feed connector and detach seat harness from clip on floor pan (Fig. 2H4).

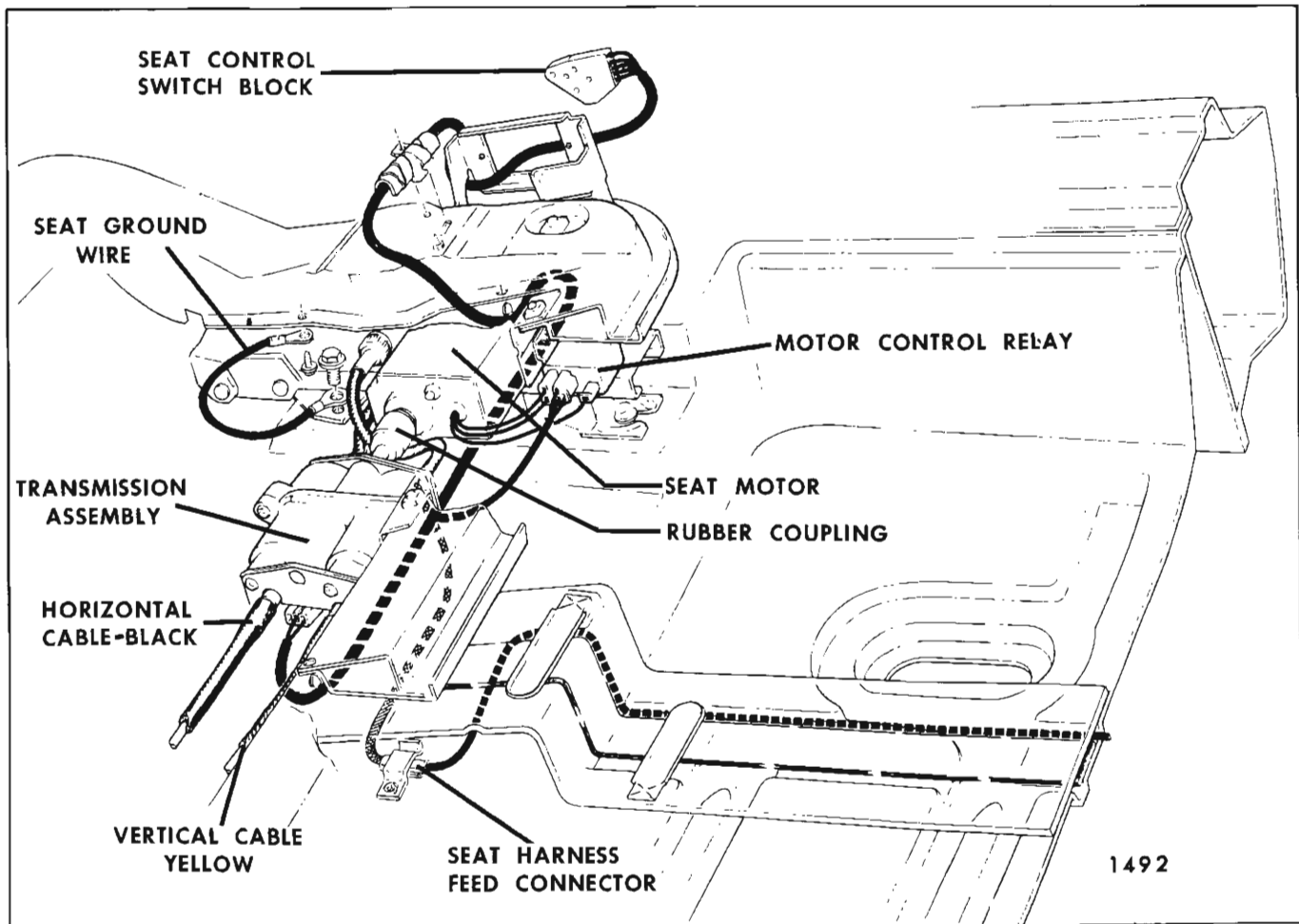


Fig. 2H4—Four Way Bench Seat

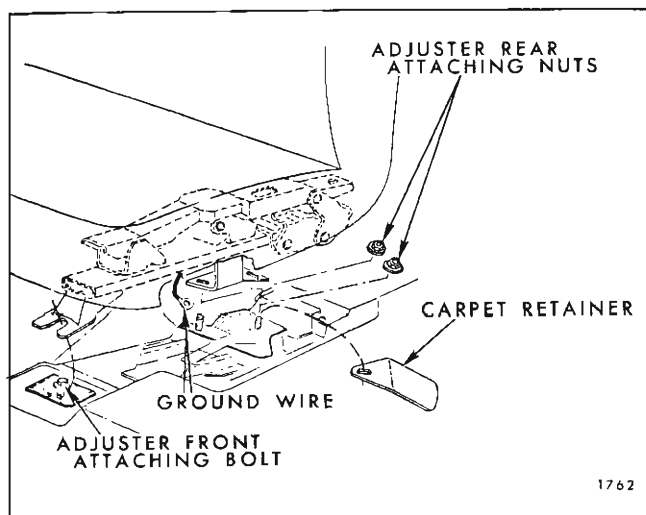


Fig. 2H5—Front Seat Installation

3. Loosen adjuster-to-floor pan front attaching bolt; then, remove both adjuster-to-floor pan rear attaching bolts (Fig. 2H5).

4. With aid of helper, carefully slide seat assembly rearward until front adjuster pedestal is disengaged from front attaching bolt; then remove seat assembly with attached adjusters from body.

5. To install seat assembly, reverse removal procedure. Make sure ground wire is securely attached at left seat adjuster and under seat adjuster-to-floor pan attaching bolt (Fig. 2H5). Prior to installing right and left adjuster rear attaching nut, properly position rear floor carpet around rear supports of adjuster; then install carpet retainer to rear studs and install adjuster nut.

**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" (or 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

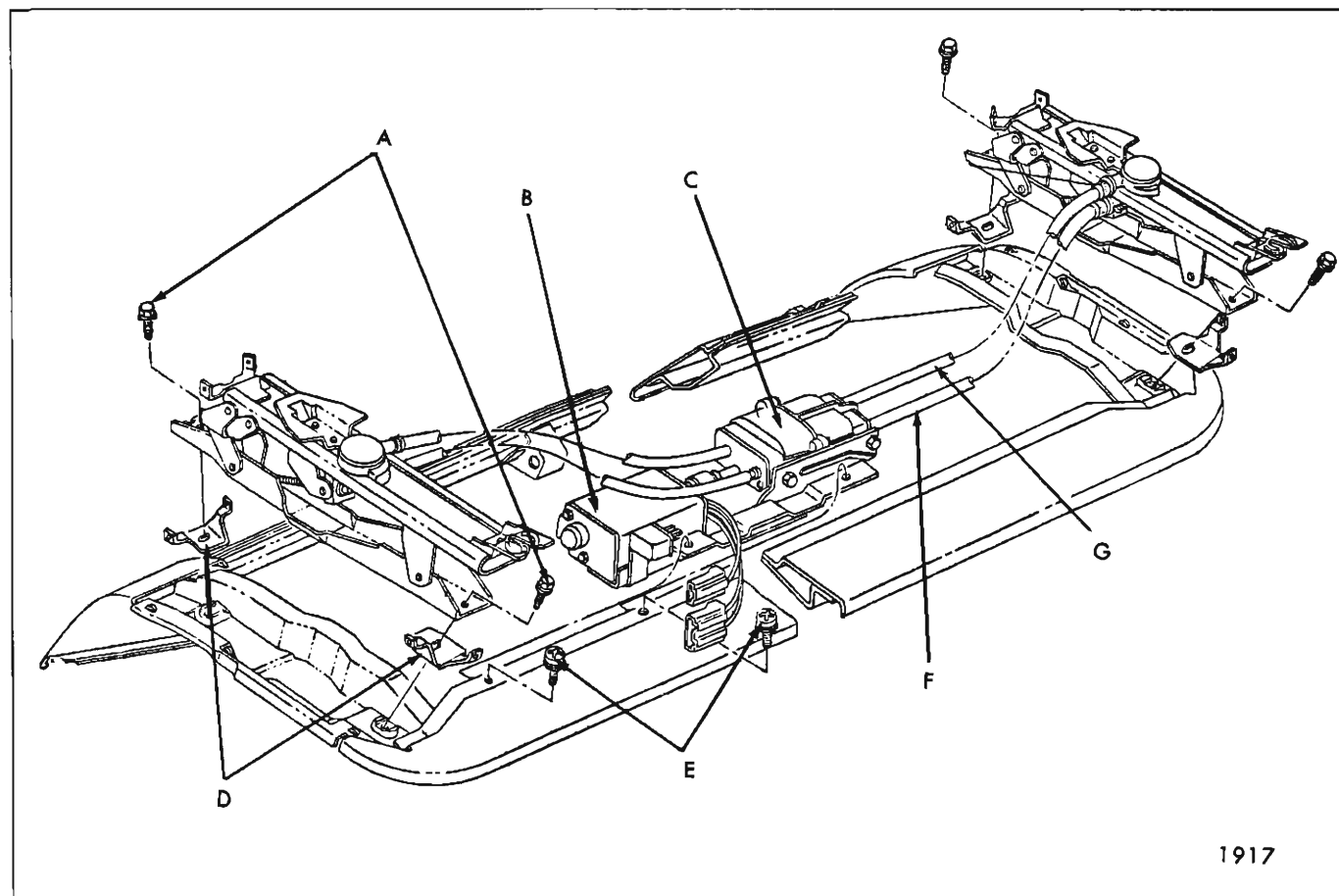


Fig. 2H6—Front Seat Assembly - Four-Way Tilt

- |  |                          |                             |
|--|--------------------------|-----------------------------|
| A. Adjuster to Seat Frame Attaching Bolts          | C. Transmission Assembly | F. Vertical Cable (Yellow)  |
| B. Motor Assembly                                  | D. Track Cover Supports  | G. Horizontal Cable (Black) |
| E. Motor and Transmission support Attaching Screws |                          |                             |

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. Vertical Travel - Operate seat control switch until one adjuster reaches fully raised position. Disconnect vertical drive cable from adjuster which has reached fully raised position. Operate seat upward until other adjuster has reached fully raised position; then, connect vertical drive cable and check vertical travel of seat.

### FRONT SEAT ADJUSTER ASSEMBLY FOUR-WAY (TILT)

#### Removal and Installation

1. Operate seat assembly to fully raised and midway position.

2. Remove front seat assembly from body with attached adjusters, motor and transmission and place upside down on a clean protected surface. (Fig. 2H6).

3. Detach the two power drive cables from adjuster to be removed.

4. Remove adjuster-to-seat bottom frame front and rear attaching bolts and remove adjuster from seat assembly (Fig. 2H6).

5. To install seat adjuster assembly, reverse removal procedure. Black cable attaches to horizontal actuator. (Fig. 2H6).

**NOTE:** Check operation of seat adjusters and make sure adjusters are "in phase". See step 5 under "Front Seat Assembly - Removal and Installation".

### FRONT SEAT ADJUSTER VERTICAL GEARNUIT FOUR-WAY (TILT)

#### Removal and Installation

1. Operate seat assembly to fully raised and midway position.

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

3. Remove vertical gearnut drive cable from gearnut opposite to gearnut which is being replaced.

4. Using a clutch type screwdriver or other suitable tool, remove shoulder screws securing linkage to vertical gearnut being replaced. (Fig. 2H7).

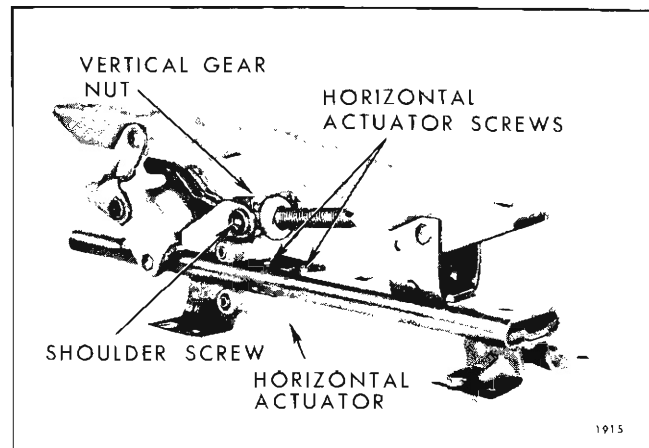


Fig. 2H7—Front Seat Adjuster Four-Way Tilt

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 5 under "Front Seat Assembly - Removal and Installation".

### FRONT SEAT ADJUSTER HORIZONTAL ACTUATOR ASSEMBLY FOUR-WAY (TILT)

#### 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. 2H7).

4. To install, reverse removal procedure.

**NOTE:** When installing horizontal actuator, adjust actuator so that drive gear is fully engaged with teeth on lower channel. When horizontal actuator attaching screws are tightened, there

should be no free motion between upper and lower channels. Readjust actuator "as required" until all free motion between channels has been removed. Check operation of seat adjusters and make sure adjusters are "in phase". See step 5 under "Front Seat Assembly - Removal and Installation".

### FRONT SEAT ADJUSTER JACKSCREW FOUR-WAY (TILT)

#### 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. 2H6).

3. As a bench operation, remove jackscrew-to-adjuster linkage attaching rivet and remove jackscrew from adjuster assembly (Fig. 2H8).

**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 5 under "Front Seat Assembly - Removal and Installation."

### FRONT SEAT ADJUSTER ELECTRIC MOTOR

#### Removal and Installation

1. Remove front seat assembly as previously described and place upside down on a clean protected surface (Fig. 2H6).

2. Disconnect wire harness from motor relay assembly.

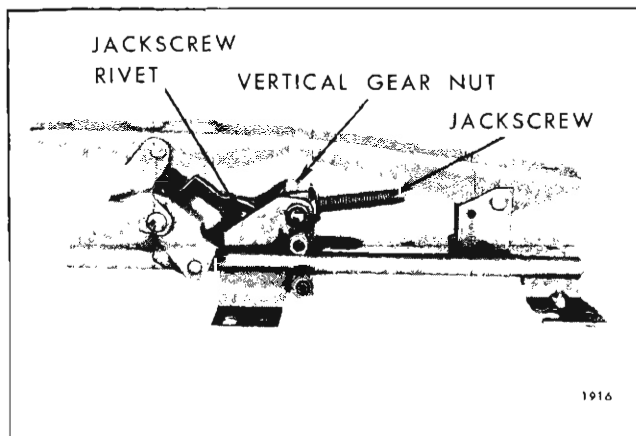


Fig. 2H8—Front Seat Adjuster Four-Way Tilt

3. Remove screws securing motor and transmission support to seat bottom frame. (Fig. 2H6).

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.

### FRONT SEAT ADJUSTER HORIZONTAL AND VERTICAL CABLES—FOUR-WAY (TILT)

#### 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. 2H4).

4. Disengage cable to be replaced from end plate.

5. To install cables, reverse removal procedure.

### FRONT SEAT ADJUSTER TRANSMISSION FOUR-WAY (TILT)

#### Removal and Installation

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

2. Disconnect wire harness connector from transmission (Fig. 2H4).

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. 2H9).

3. To assembly 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.

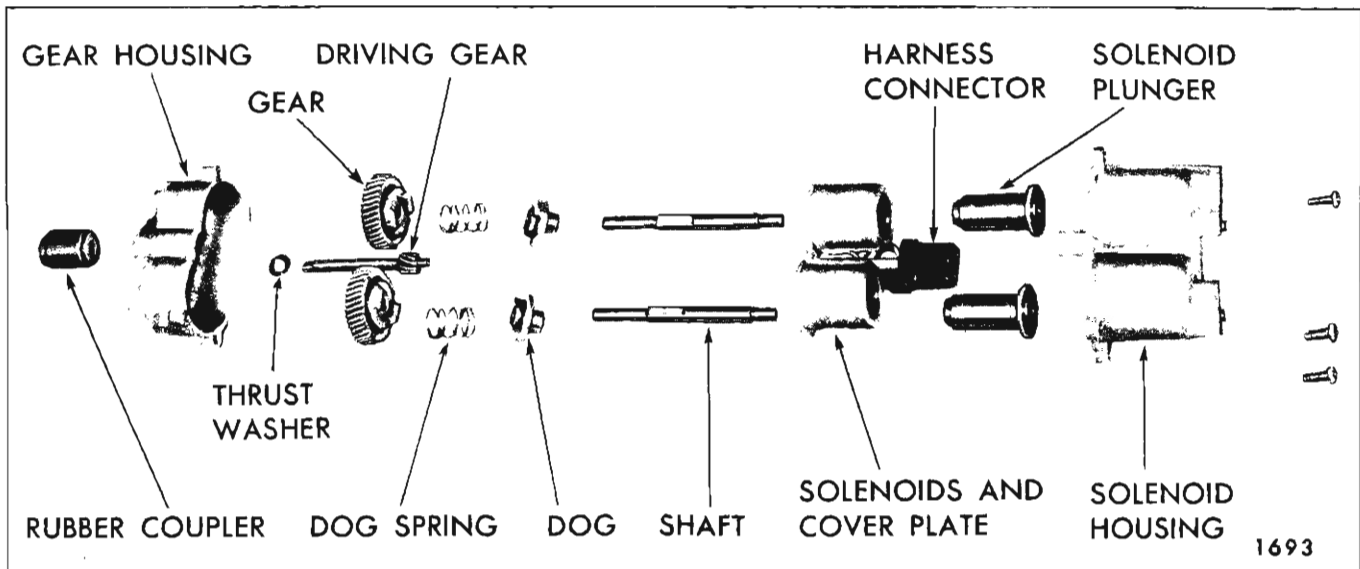


Fig. 2H9—Exploded View of Four-Way Seat Transmission

## BUCKET TYPE FRONT SEATS

### DESCRIPTION

All seat adjusters are bolted to the seat bottom frame; however, a combination of bolts and attaching nuts are used to retain the adjusters to the floor pan assembly.

### BUCKET SEAT ASSEMBLY—MANUAL (DRIVER OR PASSENGER'S SIDE)

#### Removal and Installation

1. Operate seat assembly to forward position.
2. Turn back floor carpeting sufficiently to expose seat adjuster-to-floor pan attaching nuts.
3. Remove adjuster-to-floor pan rear attaching nuts.
4. Operate seat assembly to rearward position.
5. At front of seat, loosen adjuster-to-floor pan attaching bolts.
6. Carefully slide seat assembly rearward until front of adjusters have been removed from under front attaching bolts; then remove seat assembly from body.
7. To install, reverse removal procedure. Check that adjusters are properly engaged under front floor pan attachments prior to installing rear attaching nuts. Check seat adjusters for proper operation.

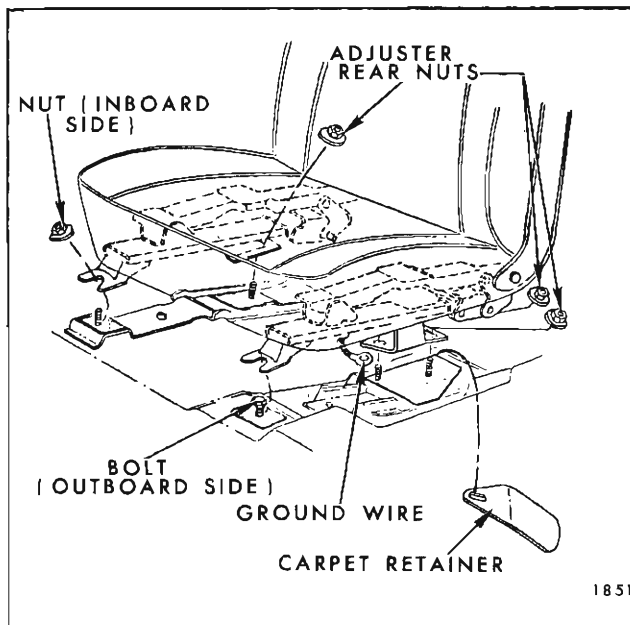


Fig. 2H10—Bucket Seat Attachment

### BUCKET SEAT ASSEMBLY—FOUR-WAY TILT (DRIVER'S SIDE ONLY) ALL STYLES EXCEPT 13000 SERIES

#### Removal and Installation

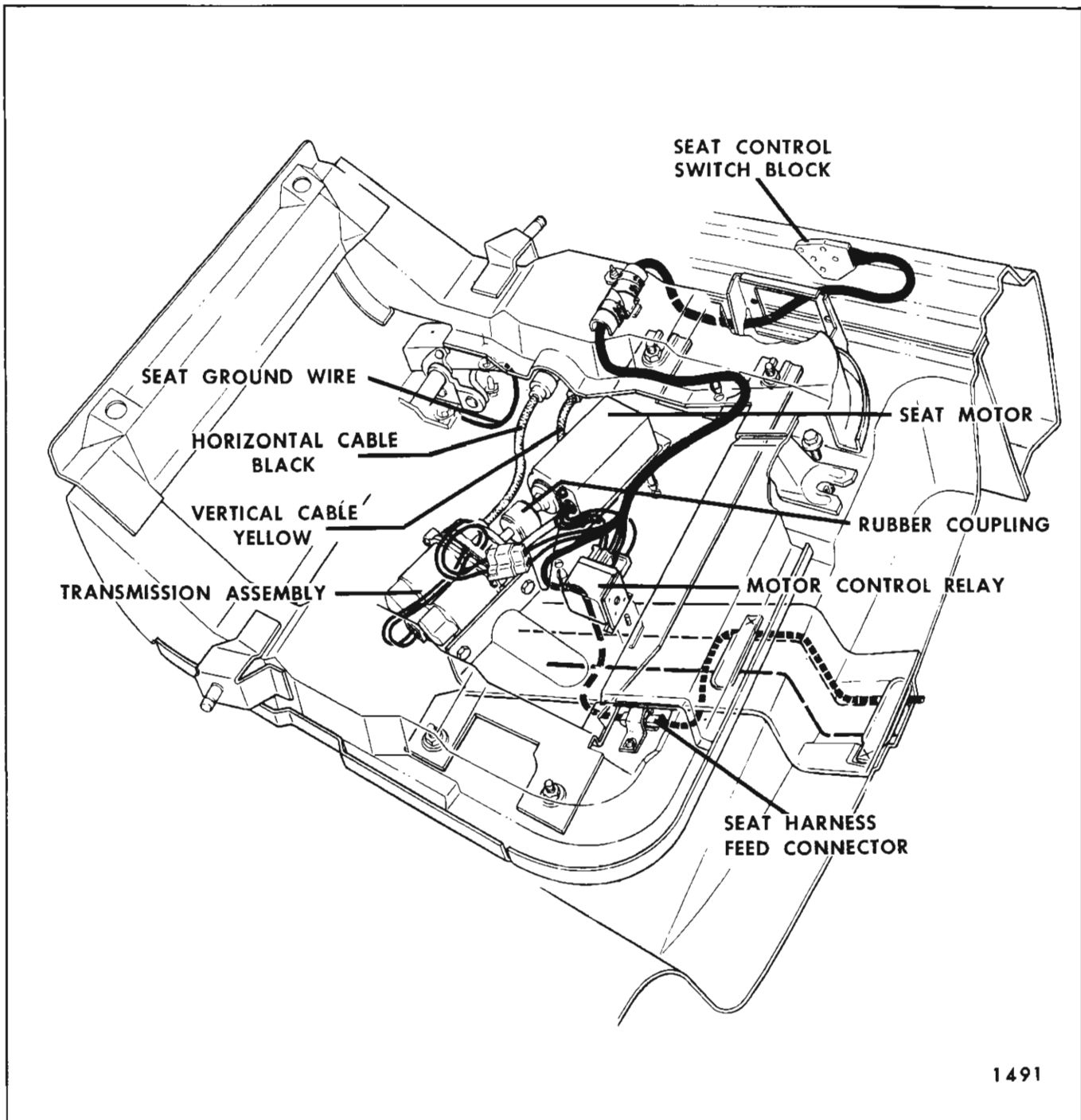
1. Operate seat assembly to forward position.
2. Turn back floor carpeting sufficiently to expose seat adjuster-to-floor pan rear attaching nuts.
3. Remove inner and outer rear attaching nuts.
4. Operate seat assembly to rearward position. (Fig. 2H10).
5. At front of seat, loosen adjuster-to-floor pan attaching bolt (Fig. 2H10).
6. Disconnect seat harness feed connector and disengage seat harness from clip on floor pan (Fig. 2H11).
7. Carefully slide seat assembly rearward until adjusters have been removed from under front attaching bolts then remove seat assembly with attached adjusters from body.
8. To install, reverse removal procedure. Be sure adjusters are properly engaged under front attaching bolts prior to installing rear attaching nuts. Prior to installing rear attaching nut, position rear floor carpet around rear supports of adjuster; then install carpet retainer to rear stud and install adjuster nut. (Fig. 2H10). Make sure ground wire is secured under adjuster inboard rear attaching nut. Check seat adjusters for proper operation.

### FRONT SEAT BACK ASSEMBLY

#### Removal and Installation

1. Using a flat-bladed tool, carefully remove retainer from inner and outer hinge pin (Fig. 2H12).
- NOTE:** On 10000, 11000 and 13000 Series, remove screw securing hinge arm cover (Fig. 2H13) and remove cover; then, remove inner hinge pin retainer.
2. Carefully disengage inner and outer front seat back hinge arms from pins; then remove seat back assembly from body.
  3. To install, reverse removal procedure. Prior to installation of back assembly, be sure inner and outer washers are installed over hinge pins. In addition, inspect hinge arm retainers. If retainers are damaged, replace retainers using new parts.





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2H11—Four-Way Bucket Seat Wiring

### FRONT SEAT ADJUSTERS (DRIVER OR PASSENGER-MANUAL)

#### Removal and Installation

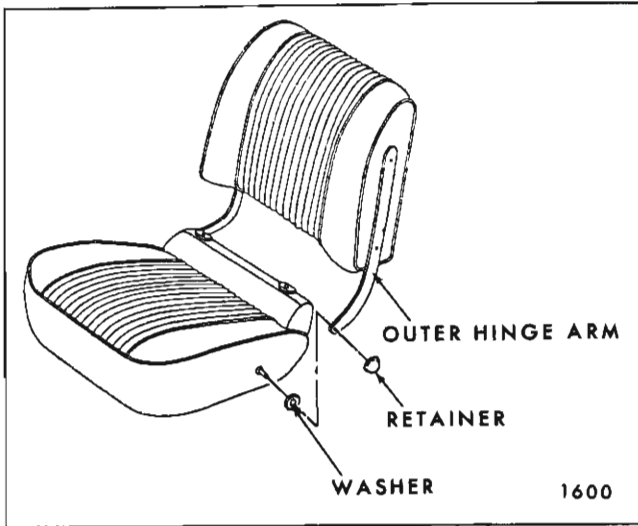
1. Remove front seat assembly as previously described and place upside down on a clean, protected surface.

2. If adjuster to be replaced is equipped with an assist spring, remove spring from adjuster.

3. Operate adjuster so that both front and rear attaching bolts are accessible.

4. Remove adjuster-to-seat bottom frame front and rear attaching bolts and remove adjuster from seat assembly.

5. To install, reverse removal procedure.



2H12—Bucket Seat Back Removal

**FRONT SEAT ADJUSTER ASSEMBLY—  
FOUR-WAY TILT  
(DRIVER'S SIDE ONLY)  
ALL STYLES EXCEPT 13000 SERIES**

**Removal and Installation**

1. Operate seat assembly to fully raised and midway horizontal position.
2. Remove bucket seat assembly from body with attached adjusters, motor and transmission, as previously described, and place upside down on a clean protected surface.

3. If power-operated outboard adjuster is being removed, disconnect power drive cable from vertical gearnut and horizontal actuator (Fig. 2H14).

4. Remove adjuster-to-seat bottom frame front and rear attaching bolts (Fig. 2H14).

5. Remove nuts securing motor and transmission support to adjuster assembly (Fig. 2H15).

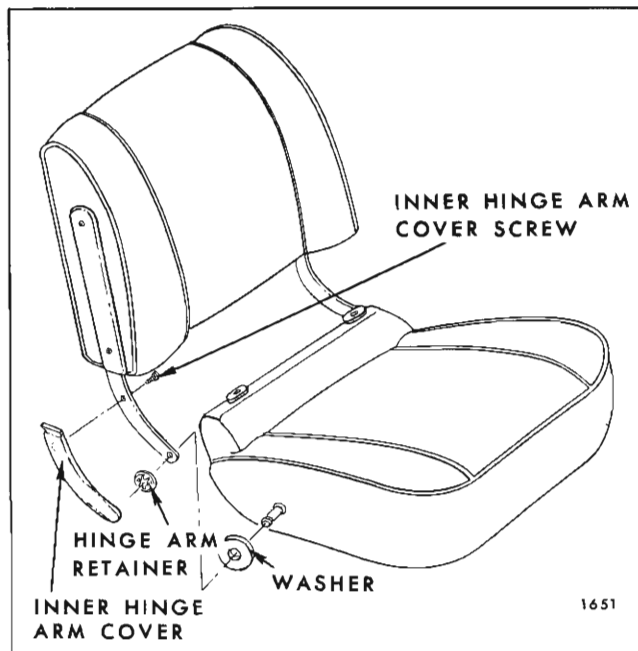
6. Carefully disengage adjuster from support and torque tube assembly; then remove adjuster from seat.

7. To install, reverse removal procedure. Check seat adjusters for proper operation.

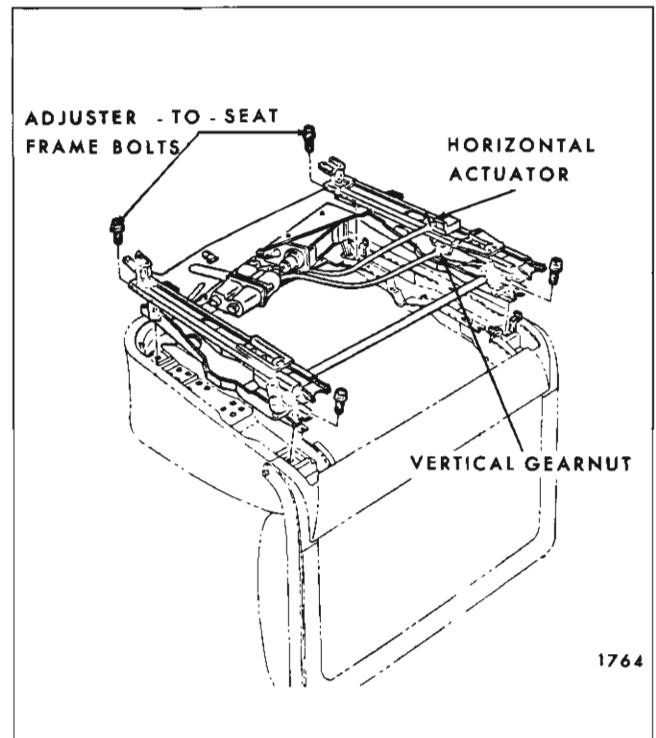
**FRONT SEAT ADJUSTER VERTICAL GEARNUT  
FOUR-WAY (TILT) (DRIVER'S SIDE ONLY)  
ALL STYLES EXCEPT 13000 SERIES**

**Removal and Installation**

1. Operate seat assembly to fully raised and midway horizontal position.
2. Remove front seat assembly from body as previously described 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. 2H15).



2H13—Bucket Seat Back Inner Hinge Arm



2H14—Bucket Seat Adjuster Attachment

4. Remove jackscrew "down" stop from jackscrew (Fig. 2H15).

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.

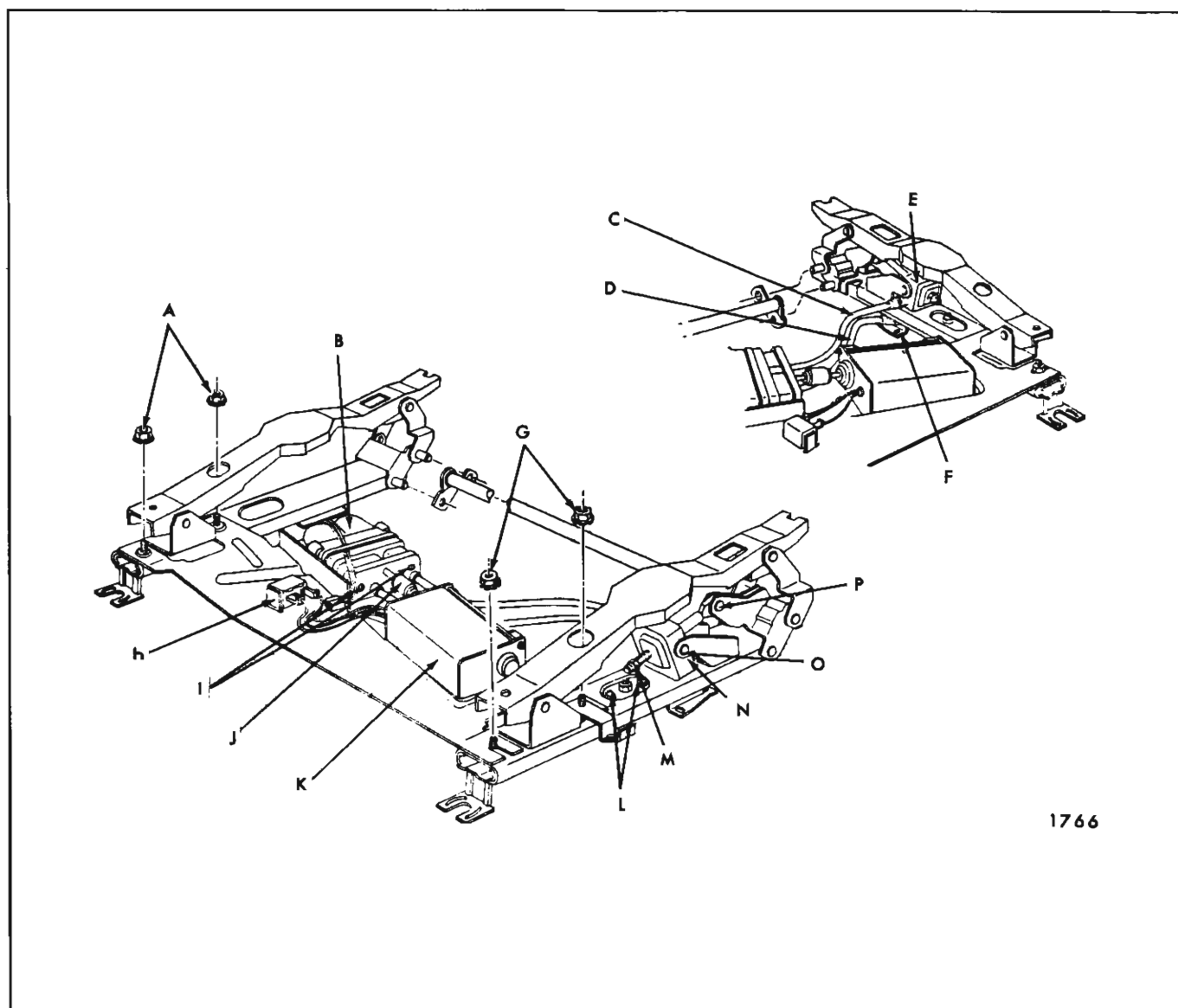


Fig. 2H15—Bucket Seat Adjuster Assembly

A. Motor and Transmission Support Inboard Attaching Nuts

B. Transmission Assembly

C. Vertical Drive Cable

D. Horizontal Drive Cable

E. Vertical Gearnut

F. Horizontal Actuator

G. Motor and Transmission Support Outboard Attaching Nuts

H. Motor Relay

I. Transmission End Plate Screws

J. Rubber Coupling

K. Motor

L. Horizontal Actuator Attaching Screws

M. Jackscrew Down Stop

N. Vertical Gearnut

O. Shoulder Screw

P. Jackscrew-To-Adjuster Rivet

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**FRONT SEAT ADJUSTER JACKSCREW—  
FOUR-WAY TILT  
(DRIVER'S SIDE ONLY)  
ALL STYLES EXCEPT 13000 SERIES**

**Removal and Installation**

1. Remove adjuster gearnut.
2. Remove seat adjuster-to-seat bottom frame front and rear attaching bolts (Fig. 2H14).
3. As a bench operation, remove jackscrew-to-adjuster linkage attaching rivet and remove jackscrew from adjuster assembly (Fig. 2H15).

**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.

**FRONT SEAT ADJUSTER HORIZONTAL  
ACTUATOR ASSEMBLY—FOUR-WAY TILT  
(DRIVER'S SIDE ONLY)  
ALL STYLES EXCEPT 13000 SERIES**

**Removal and Installation**

1. Remove front seat assembly from body 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. 2H15).
3. Using a portable power source, actuate vertical gearnut until gearnut is against "down" stop on jackscrew assembly.
4. Disconnect drive cable from actuator assembly.
5. Remove screws securing horizontal actuator assembly to adjuster lower track, then remove actuator from adjuster assembly (Fig. 2H15).
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. Readjust actuator "as required" until all free motion between channels has been removed. Check seat adjusters for proper operation.

**FRONT SEAT ADJUSTER ELECTRIC MOTOR—  
FOUR-WAY TILT  
(DRIVER'S SIDE ONLY)  
ALL STYLES EXCEPT 13000 SERIES**

**Removal and Installation**

1. Remove front seat assembly.
2. Disconnect wire harness from motor relay (Fig. 2H15).
3. Remove motor-to-motor support attaching screws and remove motor assembly from support.
4. To install, reverse removal procedure making sure rubber coupling is properly engaged at both motor and transmission ends (Fig. 2H15).

**FRONT SEAT ADJUSTER HORIZONTAL AND  
VERTICAL CABLES—FOUR-WAY TILT  
(DRIVER'S SIDE ONLY)  
ALL STYLES EXCEPT 13000 SERIES**

**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 cable side of transmission and remove cables from seat assembly (Fig. 2H15).
4. Disengage cable to be replaced from end plate.
5. To install cables, reverse removal procedure.

**FRONT SEAT ADJUSTER TRANSMISSION  
FOUR-WAY TILT  
(DRIVER'S SIDE ONLY)  
ALL STYLES EXCEPT 13000 SERIES**

**Removal and Installation**

1. Remove front seat assembly from body with attached adjusters, motor and transmission and place upside down on a clean protected surface.
2. Disconnect wire harness connector from transmission (Fig. 2H11).
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.

- To install, reverse removal procedure.

#### Disassembly and Assembly of Transmission

- Remove front seat adjuster transmission from seat assembly.
- Remove screws securing gear and solenoid housings together; then, carefully separate housings and remove component parts of transmission assembly (Fig. 2H16).
- 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.

#### TORQUE TUBE ASSEMBLY—FOUR-WAY TILT (DRIVER'S SIDE ONLY) ALL STYLES EXCEPT 13000 SERIES

##### Removal and Installation

- Remove front seat assembly from body and place upside down on a clean protected surface.
- Remove adjuster to seat bottom frame front and rear attaching bolts.
- Remove nuts securing motor and transmission support to inboard adjuster (Fig. 2H15).
- Carefully disengage adjuster from support and torque tube assembly; then, remove adjuster from seat.
- Disengage torque tube from opposite adjuster and remove tube from seat assembly.

- To install, reverse removal procedure. Check seat adjuster for proper operation.

#### MOTOR AND TRANSMISSION SUPPORT— FOUR-WAY TILT (DRIVER'S SIDE ONLY) ALL STYLES EXCEPT 13000 SERIES

##### Removal and Installation

- Remove front seat assembly from body and place upside down on a clean protected surface.
- Remove nuts securing support to both adjusters (Fig. 2H15).
- Carefully remove support from adjusters with attached motor, transmission and relay assembly.
- If replacing support, transfer motor, transmission and relay assembly to new part.
- To install, reverse removal procedure. Check seat adjusters for proper operation.

#### MOTOR RELAY—FOUR-WAY TILT (DRIVER'S SIDE ONLY) ALL STYLES EXCEPT 13000 SERIES

##### Removal and Installation

- Remove front seat assembly from body and place upside down on a clean protected surface.
- Disconnect motor-to-motor relay wire harness.
- Remove nut securing relay to support and remove relay from seat assembly.
- To install, reverse removal procedure.

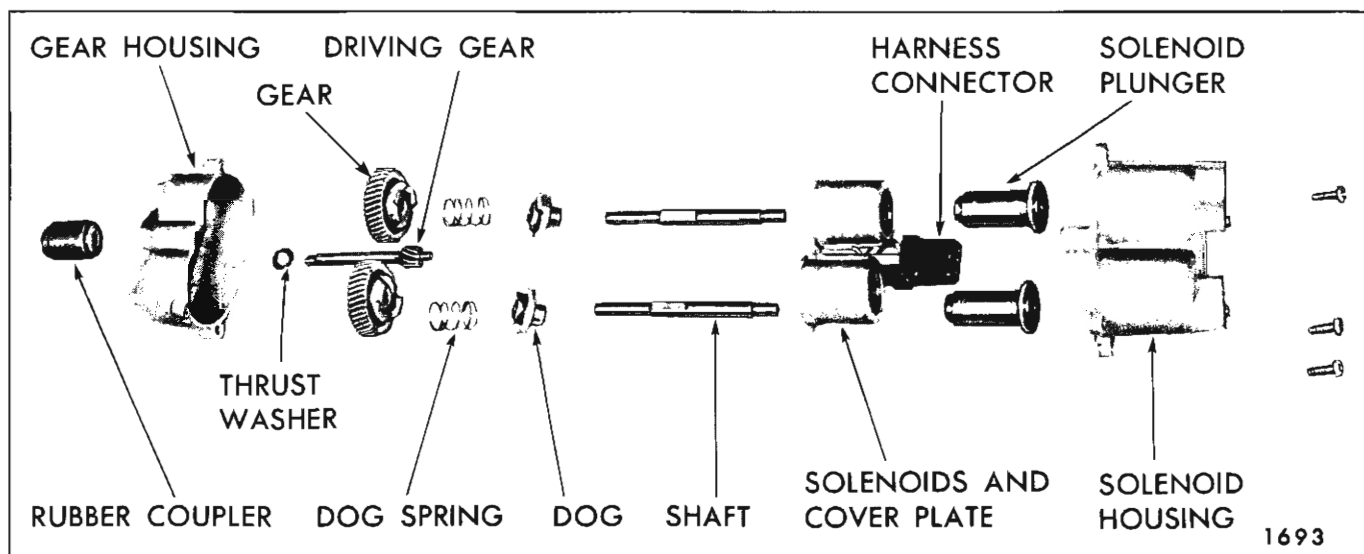


Fig. 2H16—Exploded View of Four-Way Seat Transmission

## FOLDING SEATS AND FLOOR PANELS

### ALL "15"- "35"- "45"- "55" STYLE STATION WAGONS

Figure 2H17 is typical of six-passenger station wagon folding full second seat and rear compartment floor panels. The illustration identifies component parts, their relationship and various attaching points.

Figure 2H18 is typical of the 13645 nine-passenger station wagon folding second and third seat and rear compartment floor panels. The illustration identifies component parts, their relationship and various attaching points. Folding split second seat is available on 13645 nine-passenger style as an option.

#### REAR COMPARTMENT FLOOR PANEL COVERING STYLES WITH RUBBER MAT

The rear compartment floor panel cover 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. 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.

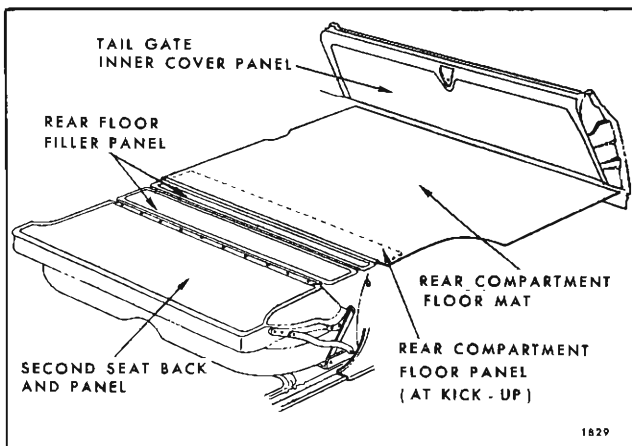


Fig. 2H17—Folding Second Seat and Rear Floor Panel Covers

The carpet is retained at the front and rear edges by finishing moldings which are secured to the floor panel by screws. (See Fig. 2H19). The sides of the carpet are inserted under the rear quarter trim and wheelhouse trim assemblies.

#### SECOND SEAT CUSHION ASSEMBLY ALL STYLES EXCEPT 13645

##### Removal and Installation

1. Lift up front edge of cushion assembly to disengage protrusions on seat bottom frame from 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.

#### REAR COMPARTMENT FLOOR PANEL (AT KICK-UP) ALL STYLES EXCEPT 13645

##### Removal and Installation

1. Turn back front edge of rear compartment 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.

#### REAR COMPARTMENT FLOOR PANEL (AT KICK UP) 13645 STYLE

##### Removal and Installation

1. Raise third seat back sufficiently to gain access to rear compartment floor panel rear attaching screws; then remove the four (4) attaching screws.

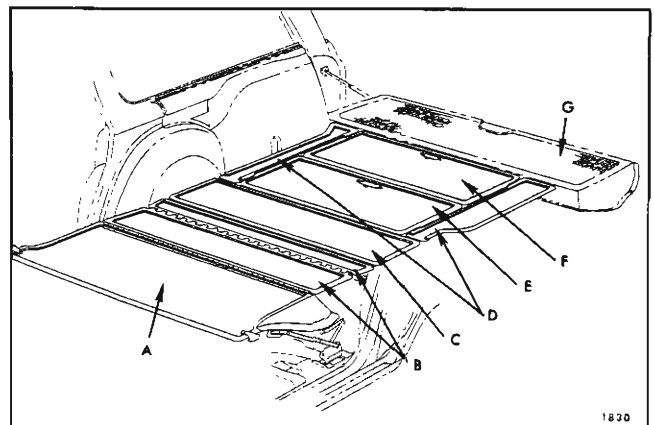


Fig. 2H18—Folding Seats and Rear Floor Panels

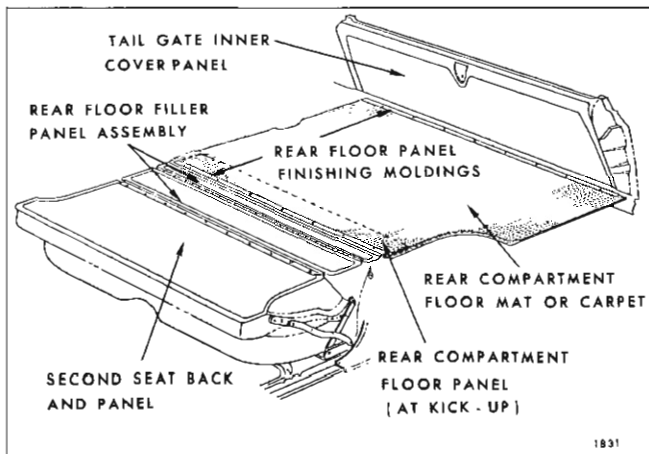


Fig. 2H19—Folding Seat and Rear Compartment Floor Panels

2. Remove three (3) front attaching screws and remove rear compartment floor panel.

3. To install, reverse removal procedure.

#### REAR FLOOR FILLER PANEL ASSEMBLY ALL STYLES EXCEPT 13645

##### Removal and Installation

1. Remove rear compartment floor panel (at kick-up) as previously described.

2. Remove filler panel front and rear attaching screws and remove filler panel assembly.

3. To install, reverse removal procedure.

#### FOLDING SECOND SEAT BACK TRIM AND SPRING ASSEMBLY ALL STYLES EXCEPT 13645

##### 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.

#### FOLDING SECOND SEAT BACK AND PANEL ASSEMBLY ALL STYLES EXCEPT 13645

##### Removal and Installation

1. With second seat back in down position, remove screws securing rear floor filler panel to

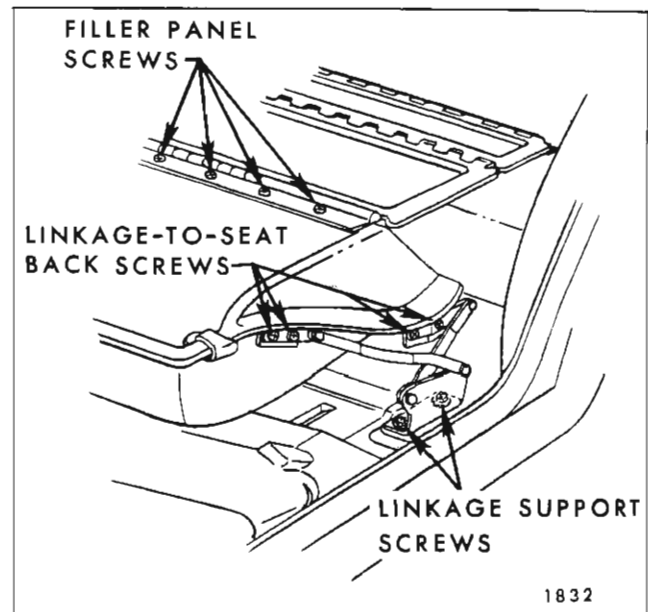


Fig. 2H20—Folding Second Seat Back Linkage and Filler Panel

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. 2H20) and remove seat back and panel assembly from body.

See Figure 2H21 for center linkage attachments on split second seat.

3. To install, reverse removal procedure.

#### FOLDING THIRD SEAT CUSHION AND SPRING ASSEMBLY—13645 STYLE

##### Removal and Installation

1. Place folding third seat back in normal sitting position .

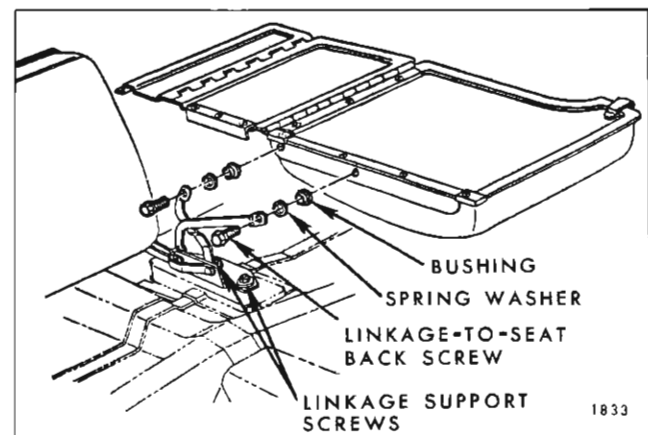


Fig. 2H21—Split Second Seat Center Linkage

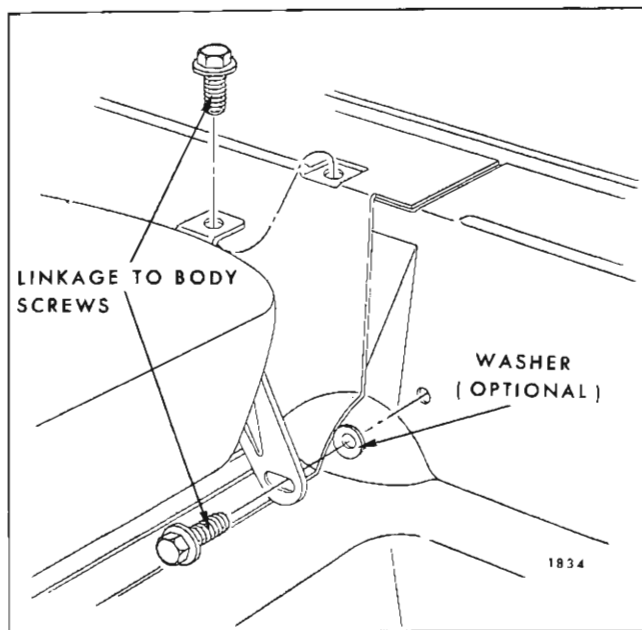


Fig. 2H22—Folding Third Seat Cushion Linkage Attachment to Body

2. Partially raise third seat cushion; then, along front edge of cushion, remove three (3) screws securing cushion and spring assembly to panel assembly.

3. With seat cushion in approximately a vertical position push seat cushion and spring assembly downward to disengage retainers at bottom from slots in seat cushion panel; then, remove cushion and spring assembly.

4. To install, reverse removal procedure.

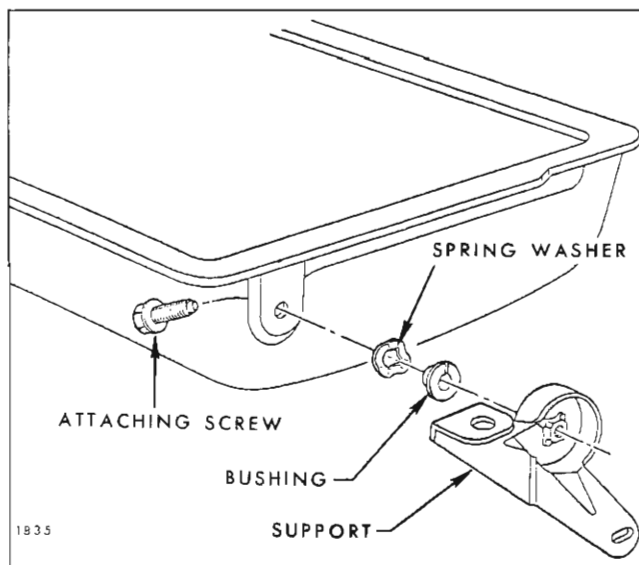


Fig. 2H23—Folding Third Seat Cushion

### FOLDING THIRD SEAT BACK, TRIM AND SPRING ASSEMBLY 13645 STYLES

#### Removal and Installation

1. Place folding third seat back in normal sitting position. Leave third seat cushion in folded position.

2. Along lower edge of third seat back trim, remove three (3) screws securing trim and spring assembly to panel assembly.

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

4. To install, reverse removal procedure.

### FOLDING THIRD SEAT CUSHION, PANEL ASSEMBLY AND LINKAGE 13645 STYLE

#### Removal and Installation

1. Place folding third seat cushion and back in normal sitting position. Remove both right and left rear compartment side cover panel. (See Fig. 2H18).

2. Remove two screws from both sides of seat securing third seat cushion linkage to body. (Fig. 2H22); then, remove seat cushion, panel assembly and linkage from body.

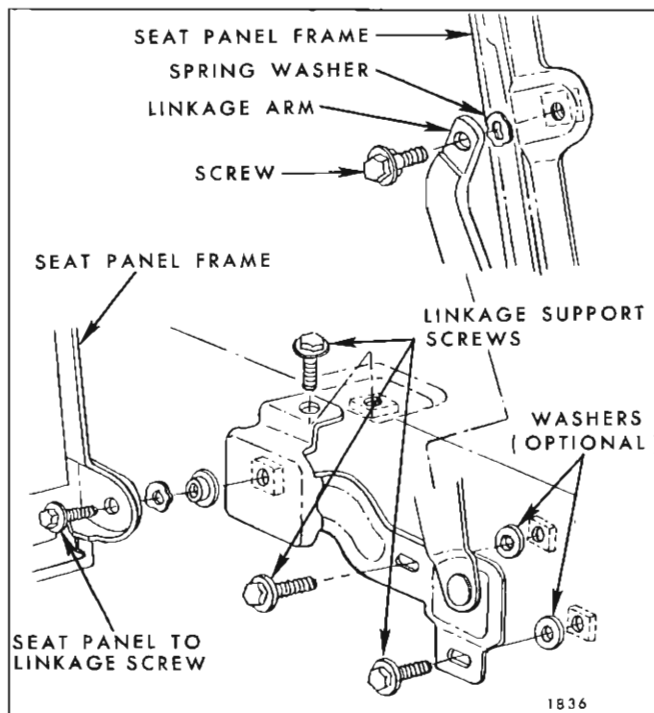


Fig. 2H24—Folding Third Seat Back Linkage



3. To remove linkage from folding third seat cushion panel, remove linkage attaching screw (Fig. 2H23) and remove linkage from seat back panel.

4. To install, reverse removal procedure.

**FOLDING THIRD SEAT BACK,  
PANEL ASSEMBLY AND LINKAGE  
13645 STYLE**

**Removal and Installation**

1. Raise folding third seat back to normal sitting

position. Remove both right and left rear compartment side cover panel.(See Fig. 2H18).

2. Remove three screws from both sides of seat securing third seat back linkage to body (Fig. 2H24); then, remove seat back, panel assembly and linkage from body.

3. To remove linkage from folding third seat back panel, remove two screws securing linkage to seat back panel, (Fig. 2H24) and remove linkage.

4. To install, reverse removal procedure.

## FOLDING SEATS AND FLOOR PANELS "55" AND "65" STYLE STATION WAGONS

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. 2H25 identifies the major load floor panels on the "55" style station wagon.

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

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

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

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

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

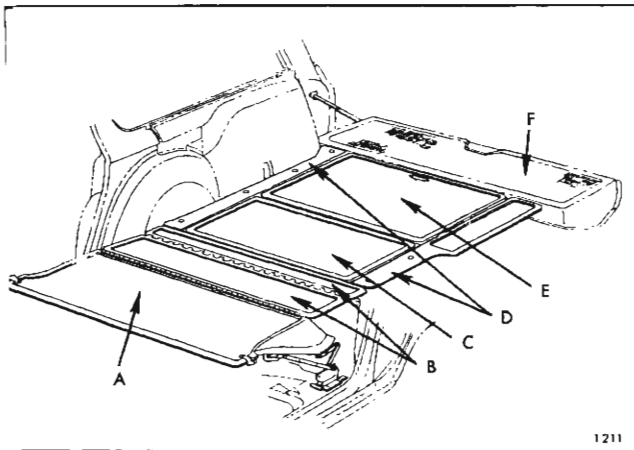


Fig. 2H25—Folding Seat and Rear Compartment Floor Panels "55" Style Station Wagon

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

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 2H26 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 securing folding seat front and rear linkage to floor pan (Fig. 2H27 and 2H28).

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. 2H27 and 2H28); 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.

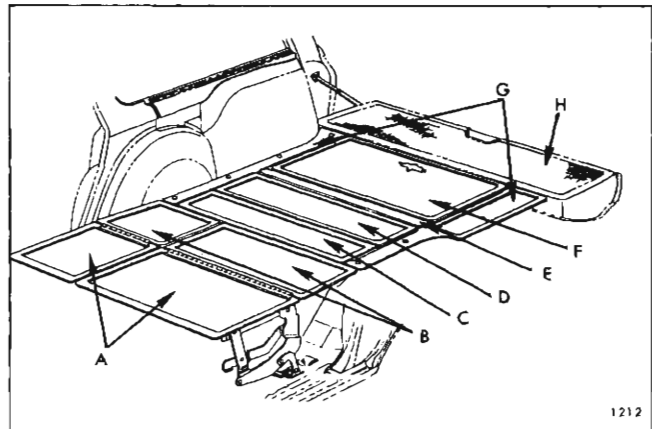


Fig. 2H26—Folding Seats and Rear Compartment Floor Panels "65" Style Station Wagon

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

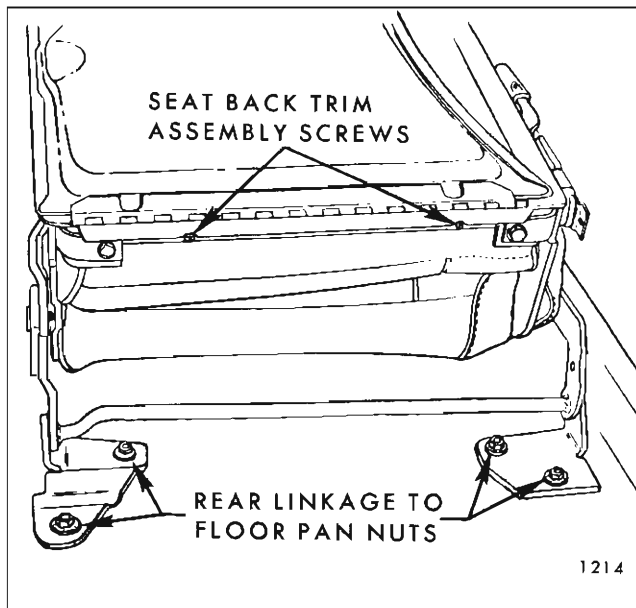


Fig. 2H27—Folding Second Seat Rear Linkage

### 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. 2H29).
3. Remove three screws securing seat inner link to cushion frame (Fig. 2H30); 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.
2. Remove seat back trim assembly attaching screws. (See Fig. 2H27).
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 readily disengage from seat back panel, fold rear floor filler panel down and remove upper inboard screw securing automat or carpet (Fig. 2H29). 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. 2H28); 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.

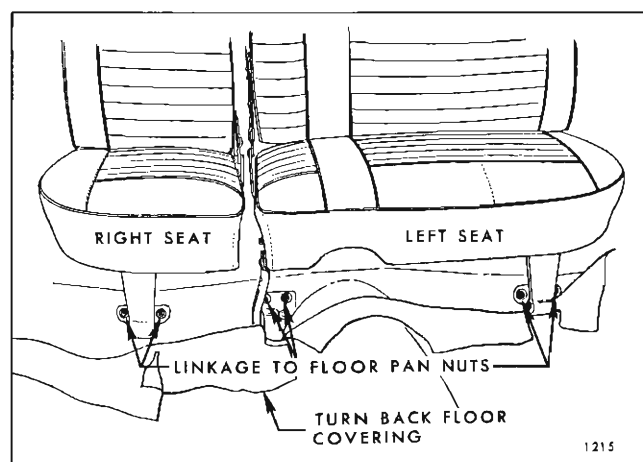


Fig. 2H28—Folding Second Seat Front Linkage

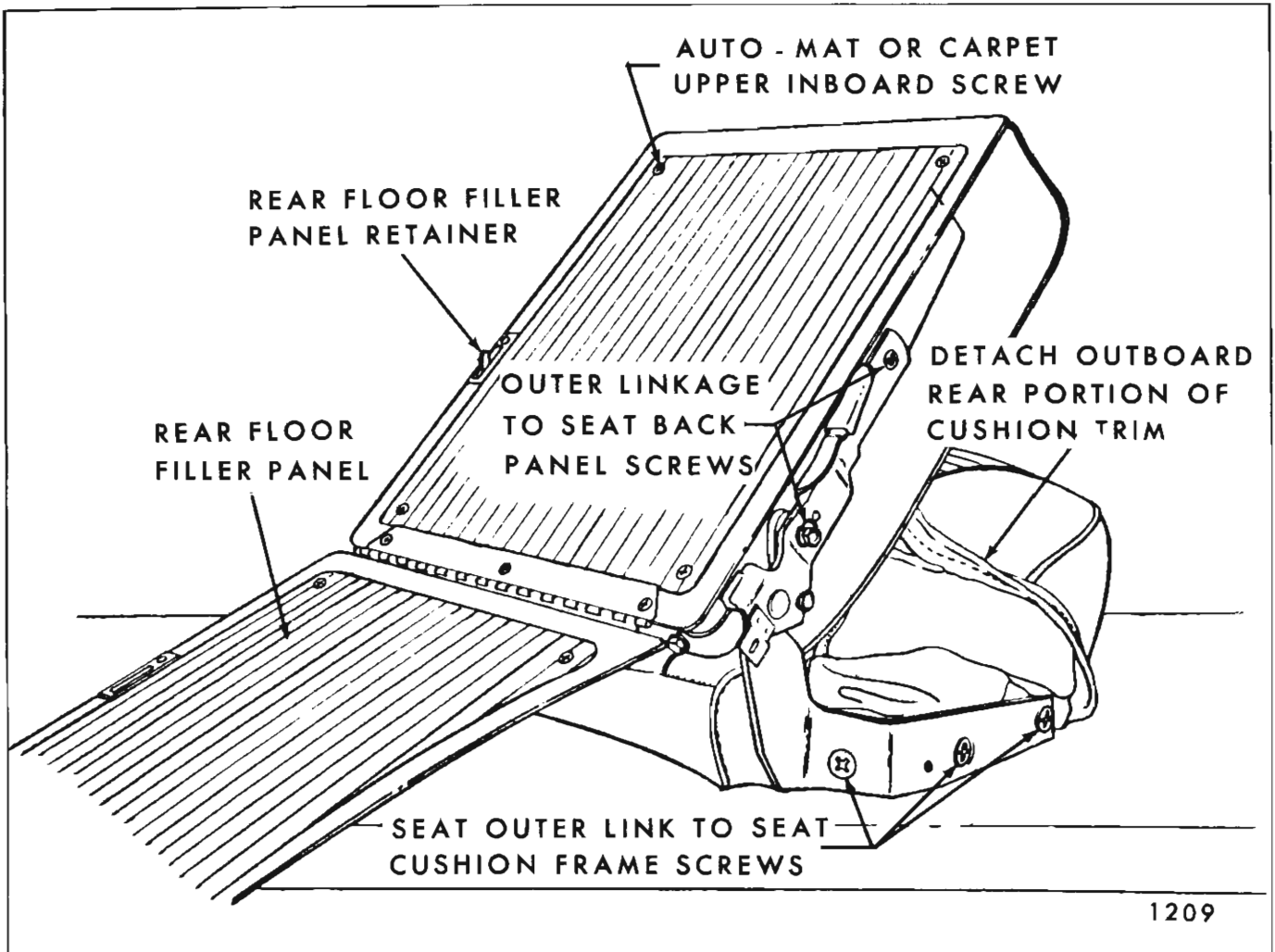


Fig. 2H29—Folding Second Seat Outer Linkage

2. Remove screws securing rear floor pan linkage to each side of seat cushion frame (Fig. 2H31); then, remove linkage assembly from seat.

3. To install, reverse removal procedure. Inserts in Fig. 2H31 show relationship of linkage, bushings and attaching screws.

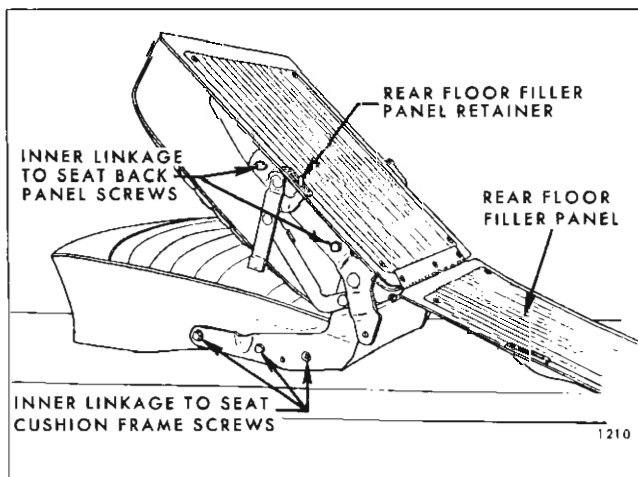


Fig. 2H30—Folding Second Seat Inner Linkage

**FOLDING SECOND SEAT SIDE INNER LINKAGE—  
RIGHT OR LEFT SEAT  
"65" STYLES**

**Removal and Installation**

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

2. Remove floor pan rear linkage-to-seat inner linkage attaching screws (Fig. 2H31).

3. Remove seat inner linkage-to-seat back panel and seat cushion frame attaching screws (see Fig. 2H30); then, disengage and remove side linkage from seat.

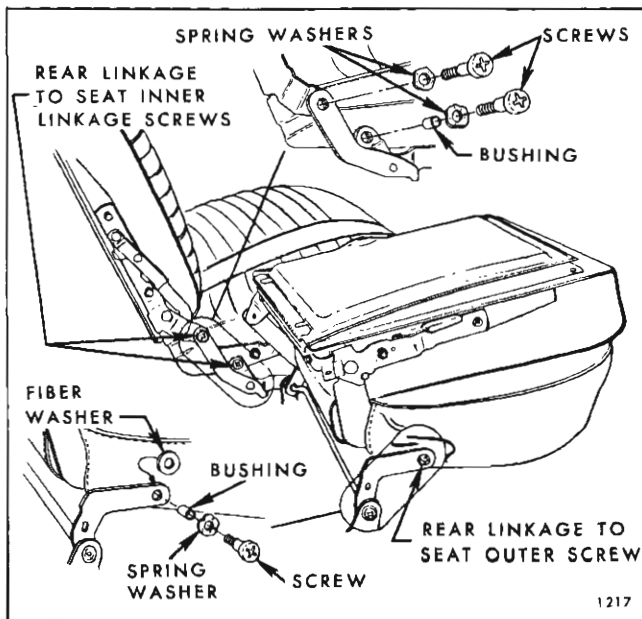


Fig. 2H31—Floor Pan Rear Linkage

4. To install, reverse removal procedure. Make sure rear floor filler panel retainer is inserted through slot in seat back panel prior to installing inner linkage-to-seat back panel attaching screws.

#### FOLDING SECOND SEAT SIDE OUTER LINKAGE— RIGHT OR LEFT SEAT “65” STYLES

##### Removal and Installation

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

2. Remove outer linkage cover. Remove screw securing seat rear floor pan linkage to seat outer attaching screw (Fig. 2H31).

3. Remove hog rings and detach rear portion of trim sufficiently to remove three screws securing outer linkage to seat cushion frame. (See Fig. 2H29).

4. Remove outer linkage-to-seat back panel attaching screws (see Fig. 2H29); 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. 2H29).

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. 2H32).

3. Install lock handle attaching screw; then, install outer linkage to seat back panel attaching screws (Fig. 2H29).

4. Install seat back trim assembly and outer linkage cover.

#### 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. 2H33). Remove seat back lock handle, spring and bushing from between outer linkage and seat back panel; then, remove seat back panel and rear floor filler panel from linkage.

3. To install, reverse removal procedure. To install seat back lock refer to “Folding Second Seat Back Lock - Installation”.

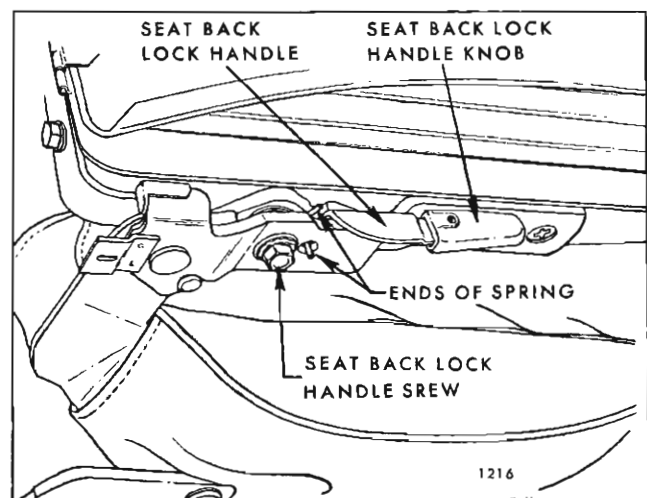


Fig. 2H32—Seat Back Lock

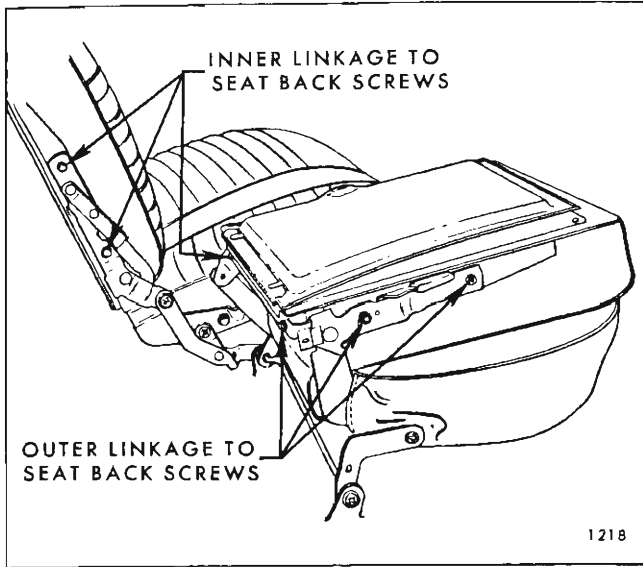


Fig. 2H33—Seat Inner and Outer Linkage

**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. 2H26).
2. Remove seat back linkage-to-compartment side pan attaching bolt (Fig. 2H34) at both right and left sides of seat.
3. At left side of seat remove seat back hinge pin retainer (Fig. 2H34).
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.

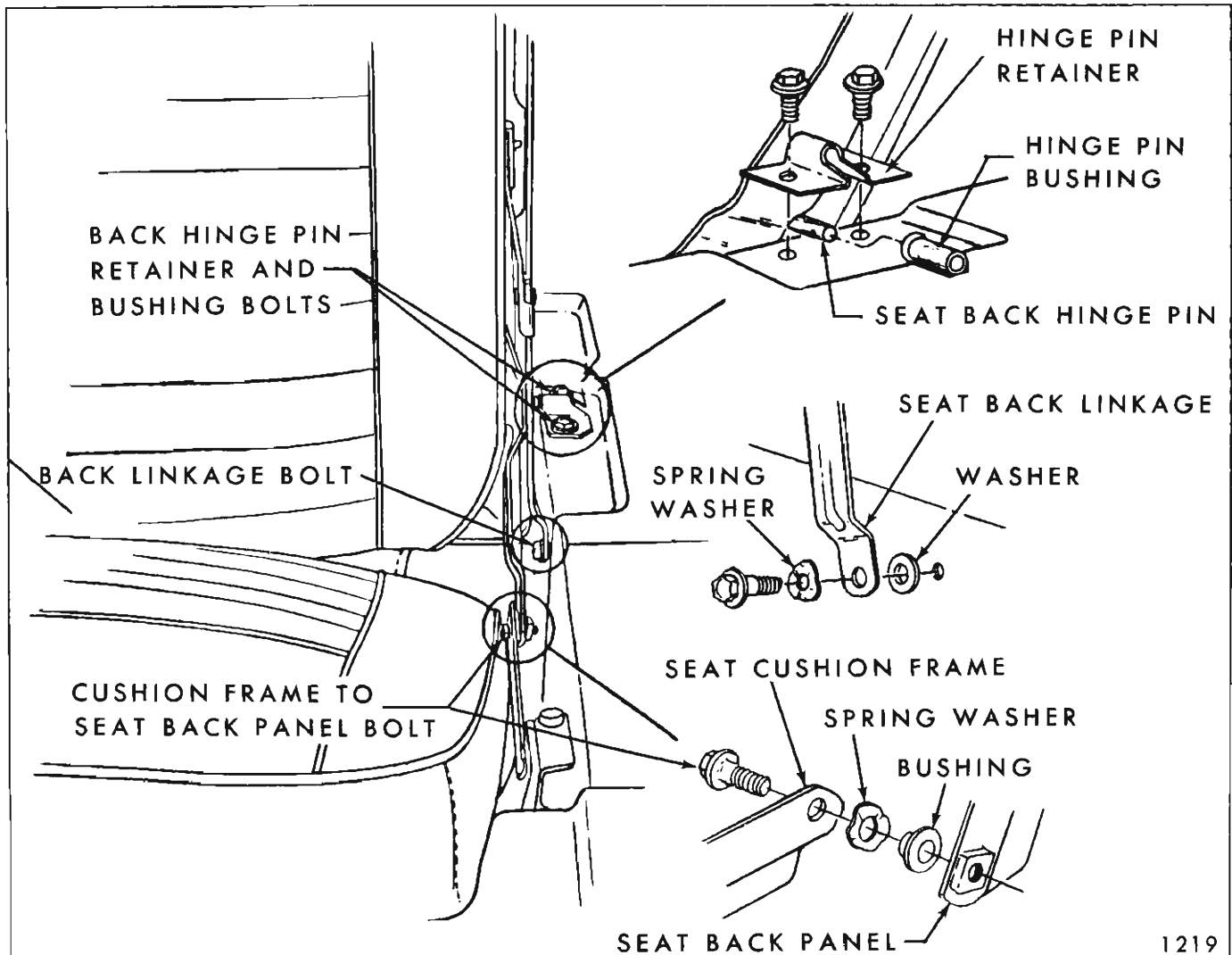


Fig. 2H34—Folding Third Seat

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. 2H34).

#### FOLDING THIRD SEAT CUSHION TRIM ASSEMBLY "65" STYLES

##### Removal and Installation

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

2. Remove hog rings securing seat back trim flap to bottom of seat cushion (Fig. 2H35).

3. Remove seat cushion frame-to-seat back panel attaching bolt (Fig. 2H34) 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. 2H35) 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 Fig. 2H34.

#### 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. 2H35).

3. To remove seat back trim assembly remove seat back trim-to-seat back panel attaching screws (Fig. 2H35); 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. 2H34); 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 Fig. 2H34 for correct installation of linkage bolts, bushings and spring washers.

#### LUGGAGE COMPARTMENT COVER PANEL AND FILLER PANEL "65" STYLES

##### Removal and Installation

1. Raise luggage compartment cover panel and support cover panel in up position.

2. Remove five (5) hex-head screws securing cover panel to cross bar; then remove luggage compartment cover panel and filler panel.

3. To install, reverse removal procedure.

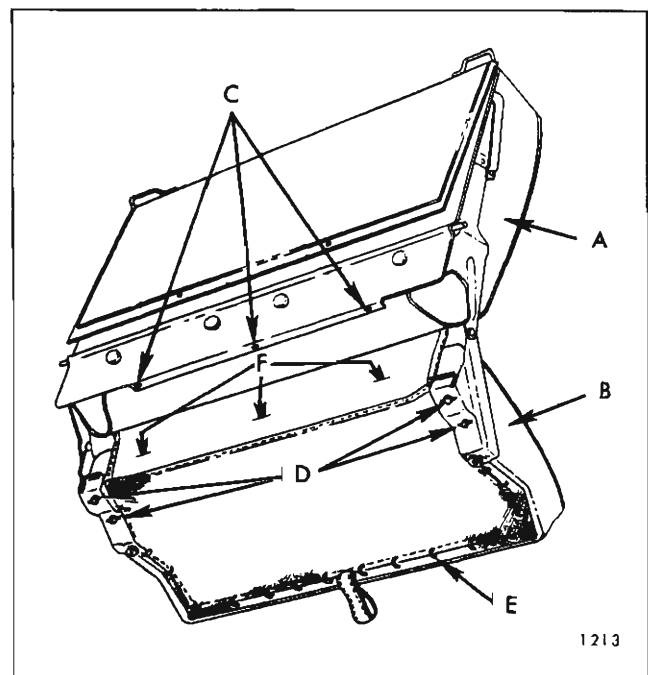


Fig. 2H35—Folding Third Seat Assembly

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

## SEAT BELTS

### FRONT STANDARD SEAT BELTS ALL STYLES

#### Removal and Installation

1. Remove bolt on outboard seat belt anchor plate at rocker inner panel and inboard seat belt anchor plate on side of floor pan tunnel. (See Fig. 2H36).
2. Bench Type Seats Only: Pull inboard belt from front of seat thru protector, and from between front seat cushion and back (Fig. 2H37).
3. To install, reverse removal procedure, making certain that anchor plates are facing direction of seat belt pull.

### FRONT DELUXE SEAT BELTS WITH RETRACTORS 13000 SERIES

#### DESCRIPTION

As an option, the 13000 series seat belts are available with seat belt retractors on the outboard belt only. The outboard seat belt must be fully extended and the inboard belt adjusted for individual requirements when the seat belt is fastened by the driver or passenger. When the seat belt buckle is operated to disengage the belts; the outboard belt will automatically retract to the floor pan.

#### Removal and Installation of Deluxe Seat Belt:

1. Remove bolt on outboard seat belt anchor plate at inner rocker panel and inboard seat belt anchor

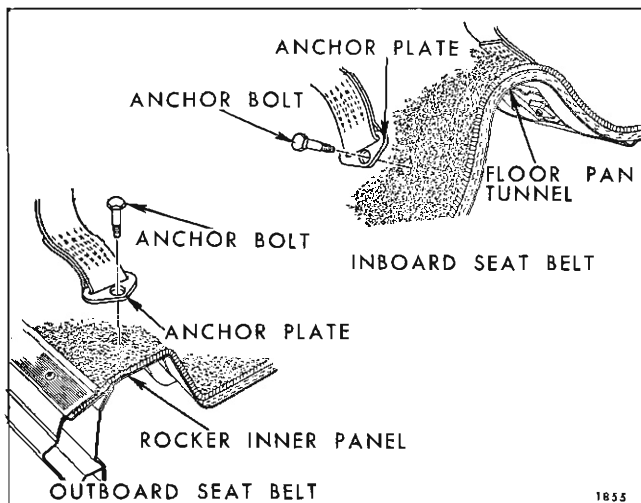


Fig. 2H36—Standard Seat Belt Attachments - All except 68000 Series

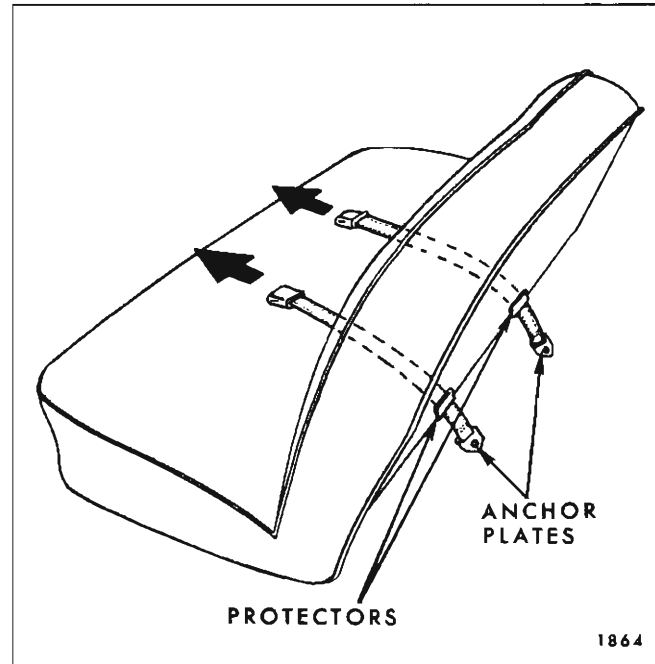


Fig. 2H37—Removal of Seat Belts from Bench Type Seats

plate on side of floor pan tunnel by first sliding plastic boot up away from plates. (See Fig. 2H38).

2. Bench Type Seats Only: Pull inboard seat belt from front of seat thru protector and from between front seat cushion and back. (See Fig. 2H37).
3. To install, reverse removal procedure, making certain that anchor plates are facing direction of seat belt pull.

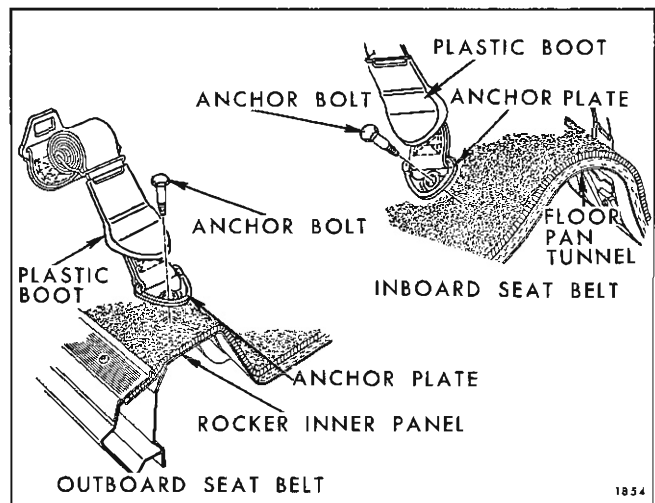


Fig. 2H38—Deluxe Seat Belt Attachments - 15000-16000 Series



### Removal of Retractor

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. 2H39).

**IMPORTANT:** Wire to remain 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 on drum and remove retractor from belt. (See Fig. 2H40).

### Installation of Retractor

1. With seat belt fully extended, insert belt under tabs on retractor and position on center of seat belt.

**NOTE:** Tabs on retractor to be on inboard side of seat belt and bail pointing frontward.

2. Using pliers, lightly bend down tabs securing belt to drum.

3. Remove wire from slot in drum (when replacing with new retractor a retaining clip that retains spring tension will be on retractor which is to be removed) and allow belt to roll up on retractor.

## FRONT DELUXE SEAT BELTS WITH RETRACTORS 23-33-43-44000 SERIES

### DESCRIPTION

As an option, the 23-33-43-44000 Series seat belts are available with seat belt retractors on the outboard belt only. The outboard seat belt must be fully extended and the inboard belt adjusted for individual requirements when the seat belt is fastened by the driver or passenger. When the seat

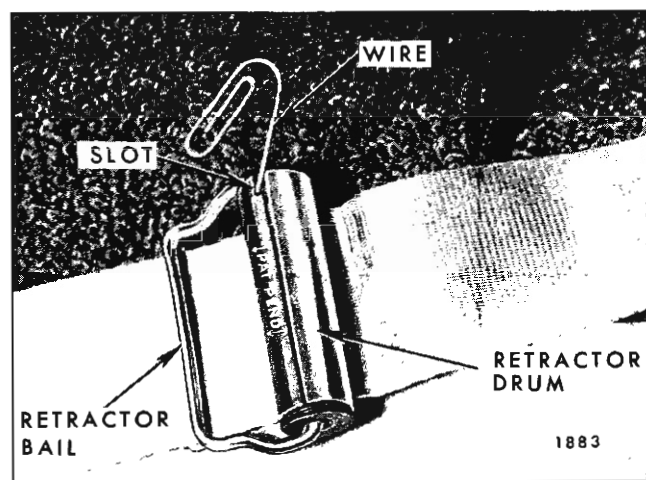


Fig. 2H39—Locking Seat Belt Retractor Drum

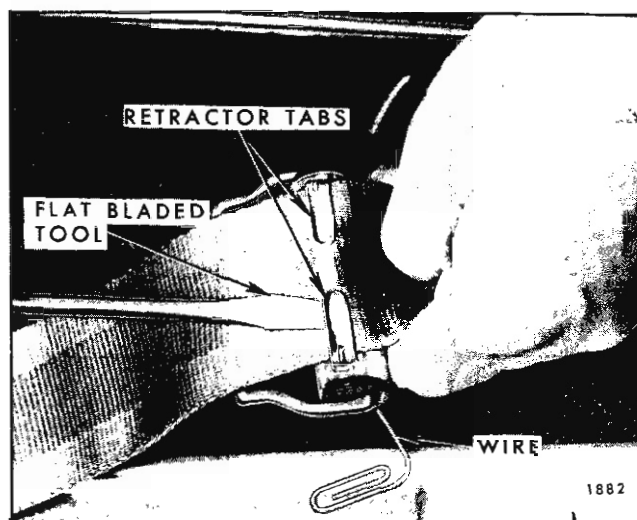


Fig. 2H40—Removal of Retractor from Seat Belt -  
15000-16000 Series

belt buckle is operated to disengage the belts; the outboard belt will automatically retract to the floor pan.

### A. Outboard Seat Belt

#### Removal

1. Using fingers, gently squeeze retractor cover at forward and rearward ends to spread sides of

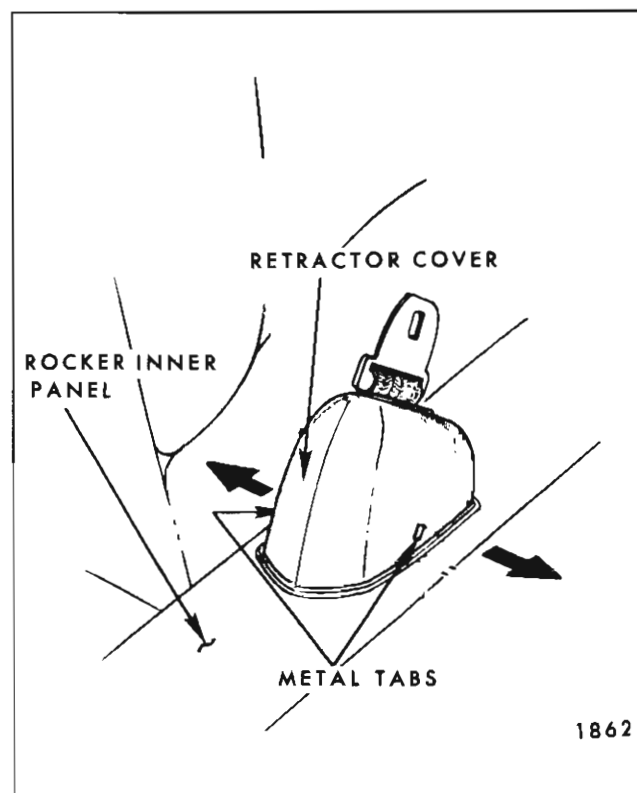


Fig. 2H41—Removal of Seat Belt Retractor Cover -  
All except 15000-16000 Series

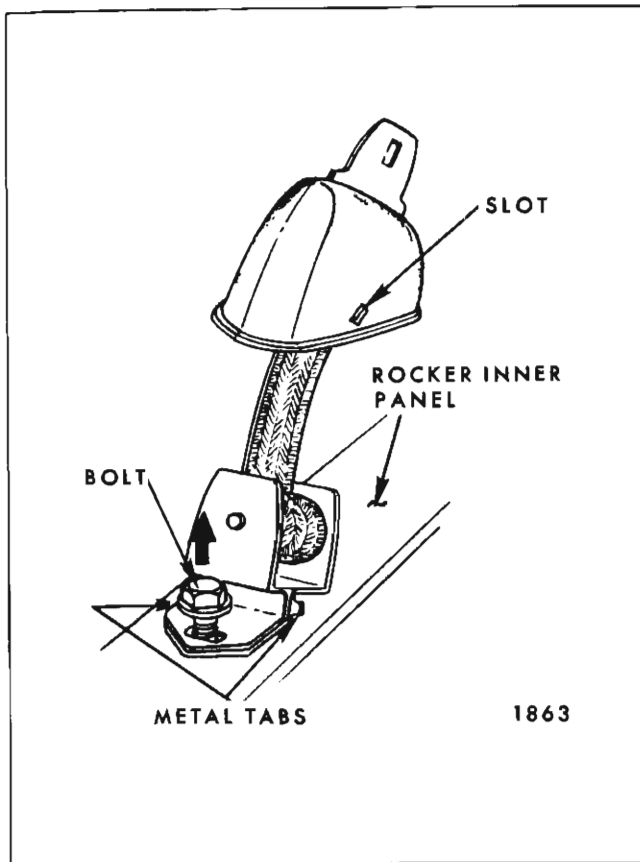


Fig. 2H42—Removal of Seat Belt Retractor -  
All except 15000-16000 Series

cover outward sufficiently to disengage cover from metal tabs on sides of retractor base. (See Fig. 2H41).

2. Lift up cover to expose bolt securing seat belt retractor. (See Fig. 2H42).

3. Remove bolt and remove retractor. (See Fig. 2H42).

#### Installation

1. With retractor cover disengaged insert bolt through retractor and onto top of rocker inner panel and secure.

2. Gently pull sides of retractor cover outward, and position cover on retractor snapping slots in cover over metal tabs on retractor.

**NOTE:** Seat belt retractor and seat belt is serviced only as an assembly.

#### B. Inboard Seat Belt—Bucket Seats

##### Removal and Installation

1. Remove bolt securing seat belt anchor plate from side of floor pan tunnel (see Fig. 2H36).

2. To install, reverse removal procedure.

#### INBOARD SEAT BELT—FULL WIDTH SEAT

1. Remove bolt securing seat belt anchor plate from side of floor pan tunnel (see Fig. 2H36).

2. From front of seat pull seat belt thru protector and from between front seat cushion and back (see Fig. 2H37).