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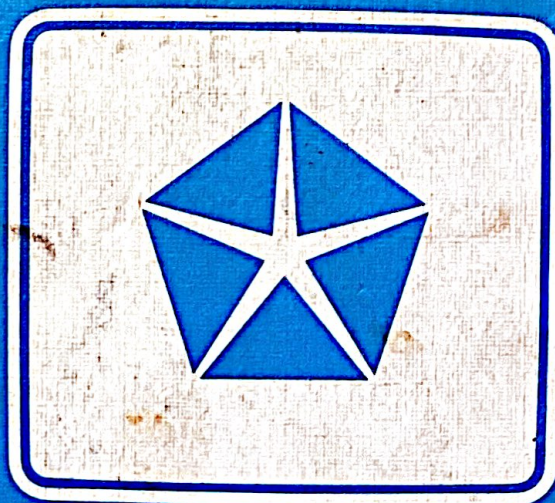
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SERVICE MANUAL

**CHASSIS,
BODY**



**FRONT WHEEL DRIVE
VAN/WAGON**

RAM VAN
CARAVAN
VOYAGER

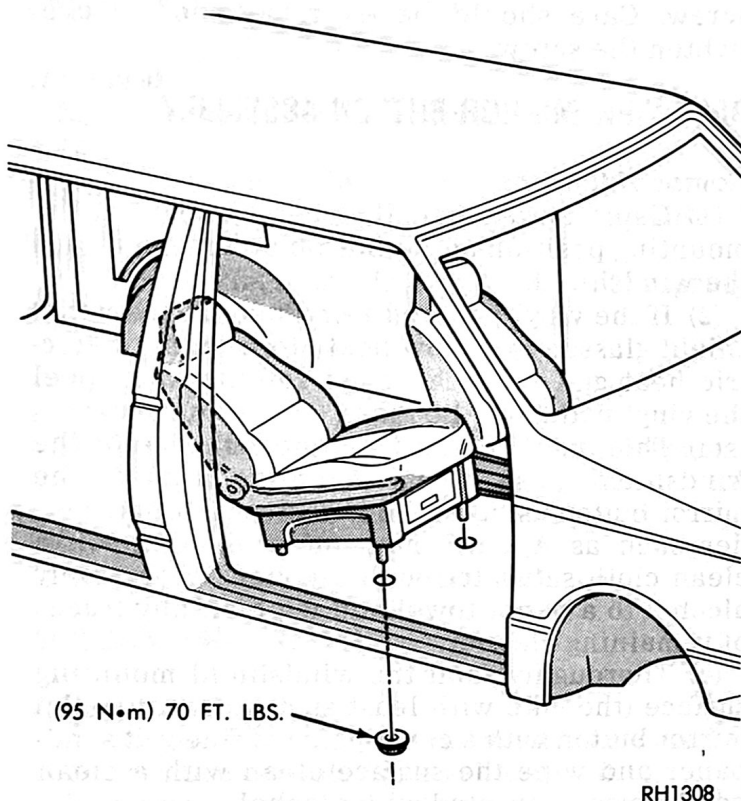


Fig. 1—Front Seat Attachment

FRONT SEAT ASSEMBLY

Removal

- (1) Raise vehicle on hoist (See Group O Lubrication and Maintenance).
- (2) Remove the four nuts/washers that fasten the seat riser to the floor pan (Fig. 1).
- (3) Lower the hoist and remove the right seat assembly.

Left Front Seat

- (4) Tilt seat backwards, reach under the front of the seat and grab the cable close to the clip that retains it to the lever assembly (Fig. 2).
- (5) Pull the cable towards the drivers door until it is released from the lever assembly.
- (6) Turn the cable 90° and push inward to separate the cable end from the lever assembly.
- (7) Disconnect electrical connections.
- (8) Remove the seat and riser assembly.

Installation, Right Front Seat

- (1) Insert seat riser studs through the holes in floor pan (Fig. 1).
- (2) Raise vehicle on hoist (See Group O Lubrication and Maintenance).
- (3) Torque the four seat riser to floor pan nuts to 94 N•m (70 Ft. Lbs.)
- (4) Lower the hoist.

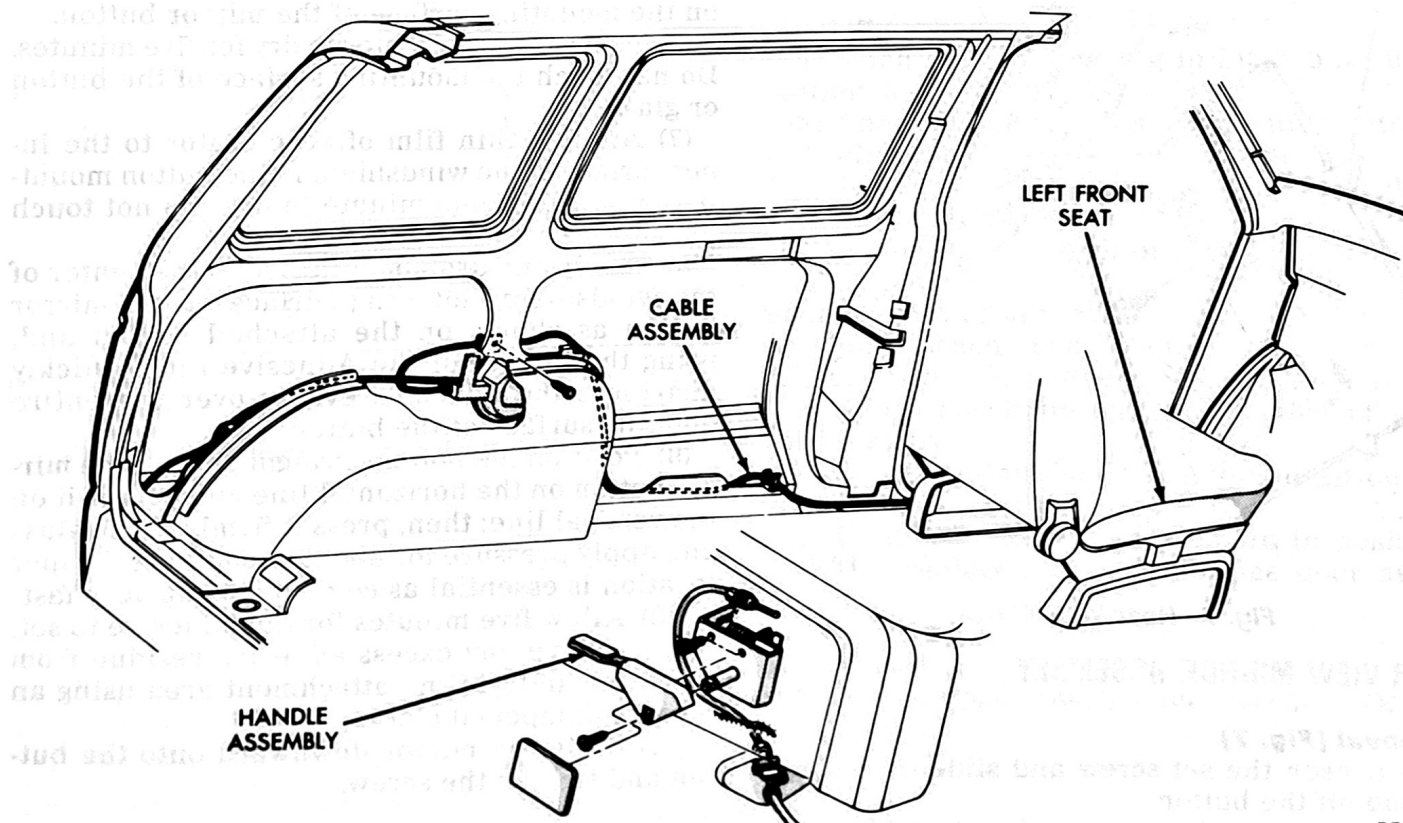


Fig. 2—Fuel Door Remote Cable to Driver's Seat Assembly

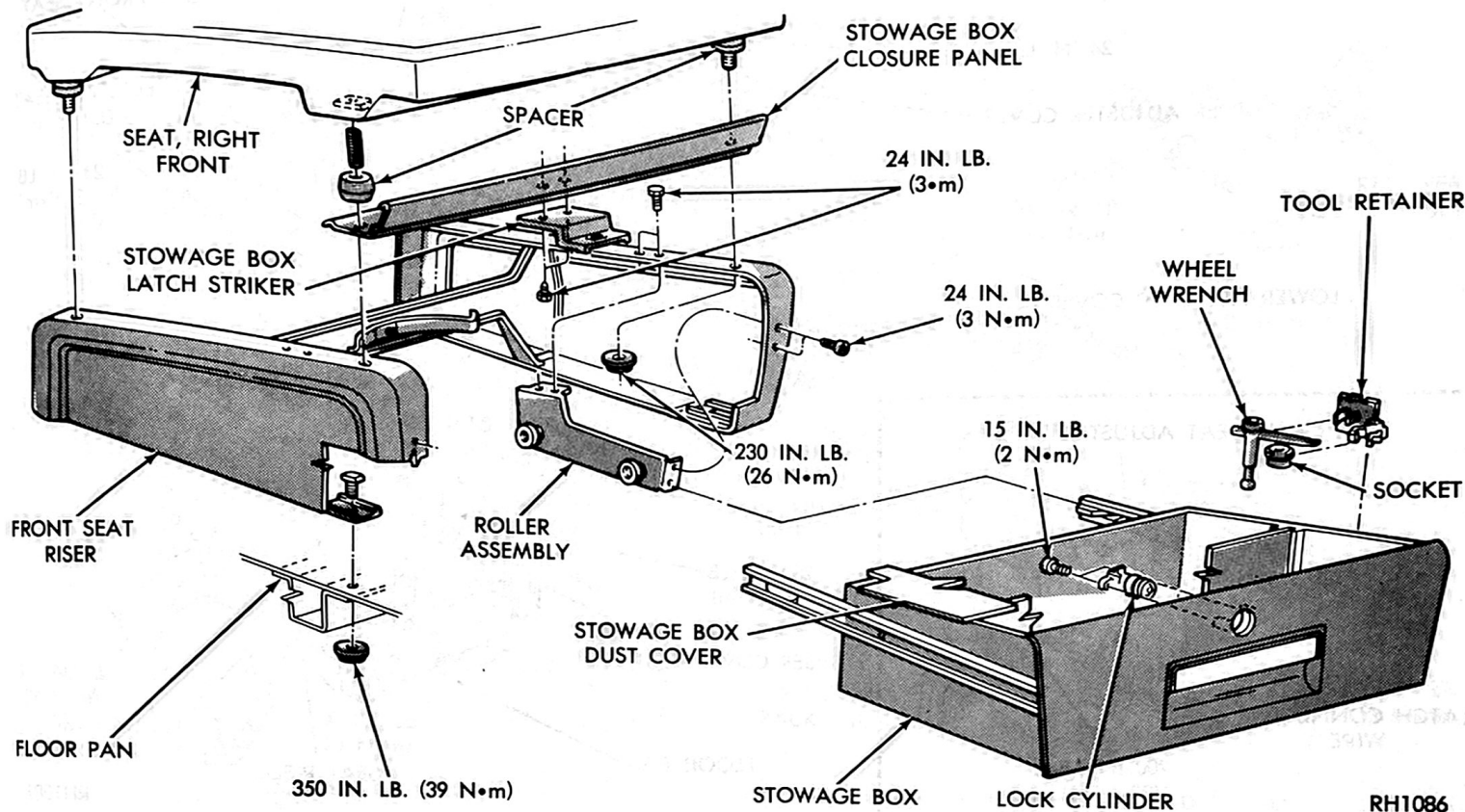


Fig. 3—Right Front Seat Riser and Stowage Box

Installation, Left Front Seat

- (1) Insert the seat riser studs through the holes in the floor pan to locate seat properly.
- (2) Tilt seat backwards, reach under the front of the seat and connect the cable end to the lever assembly.
- (3) Insert cable into the clip on the lever assembly.
- (4) Raise vehicle on hoist (See Group O Lubrication and Maintenance).
- (5) Torque the four seat riser to floor pan nuts to 94 N•m (70 Ft. Lbs.).
- (6) Connect electrical components.
- (7) Lower the hoist.

SEAT RISER, RIGHT SIDE

Removal

- (1) Remove seat and riser assembly from vehicle floor pan.
- (2) Unlock the stowage box, and pull it from the riser until it stops.
- (3) Pull the spring clip in the center of the stowage box track outward on both sides, and remove the stowage box.
- (4) Remove seat riser rear trim covers.
- (5) Remove four nuts and separate seat from riser assembly (Fig. 3).
- (6) Remove the roller assemblies.

Installation

- (1) Install both roller assemblies and torque screws to 3 N•m (24 In. Lbs.).
- (2) Set the seat on the riser assembly, start the four nuts, and torque to 26 N•m (230 In. Lbs.).
- (3) Place the stowage box tracks on the roller assemblies, and push it all the way into the riser.
- (4) Install the seat and riser assembly using the procedures given in this section.

STOWAGE BOX

Removal

- (1) Unlock the stowage box, and pull it from the riser until it stops.
- (2) Pull the spring clip in the center of the stowage box track outward on both sides, and remove the stowage box.

Installation

- (1) Place the stowage box tracks on the roller assemblies, and push it all the way into the riser.

FRONT SEAT BACK RELEASE LATCH MECHANISM, RIGHT SIDE

Removal, right side inboard

- (1) Remove the stowage box.
- (2) Remove the seat from the seat riser.
- (3) Remove the plastic covers.
- (4) Lift armrest to a position midway between full up and full down; Remove the armrest.

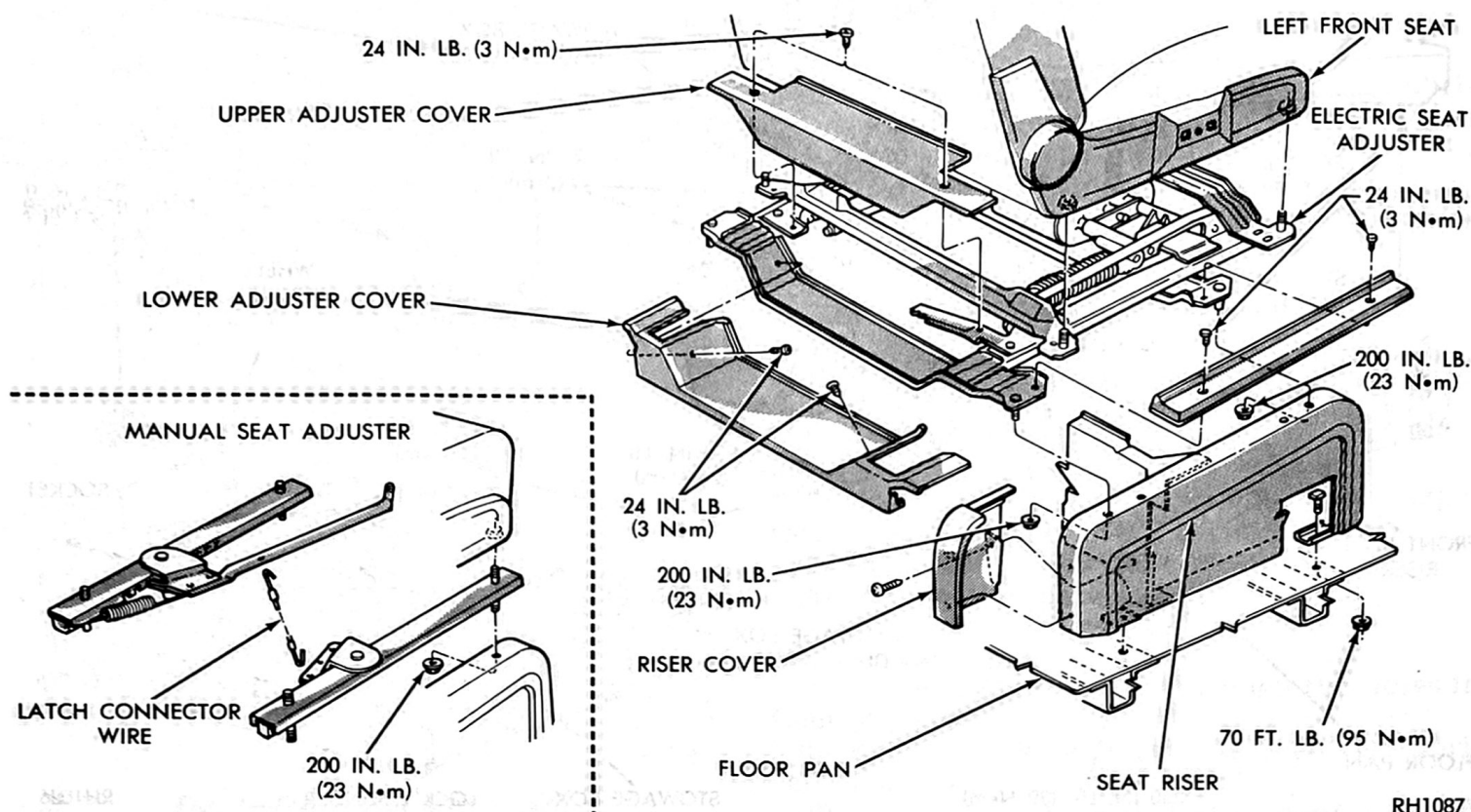


Fig. 4—Left Seat Adjusters and Riser

- (5) Remove the armrest support.
- (6) Detrim the seat cushion and back as necessary to allow access to the release mechanism.
- (7) Remove the armrest support bracket.
- (8) Remove the recliner assembly.
- (9) Reverse this procedure to install.

Removal, right side outboard

- (1) Remove the stowage box.
- (2) Remove the seat from the seat riser assembly.
- (3) Remove the plastic covers.
- (4) Detrim the seat cushion and back as necessary to allow access to the release mechanism.
- (5) Remove the recliner assembly.
- (6) Reverse this procedure to install.

SEAT RISER, LEFT SIDE

Removal

- (1) Remove the seat and riser from the vehicle floor pan.
- (2) Remove the seat riser covers.
- (3) Remove the four nuts and separate the seat adjuster from the seat riser assembly (Fig. 4).
- (4) Remove the fuel door remote handle and lever assembly.

Installation

- (1) Install the fuel door remote lever assembly and torque the bolts to 4 N·m (35 In. Lbs.).
- (2) Install the fuel door remote handle and torque the screw to 7 N·m (60 In. Lbs.).
- (3) Place the seat and adjuster assembly on the riser, install the four nuts, and torque the nuts to 23 N·m (200 In. Lbs.).
- (4) Install the seat riser covers.
- (5) Install the seat and riser assembly into the vehicle.

SEAT ADJUSTER, LEFT SIDE

Removal

- (1) Remove the seat riser covers.
- (2) Remove the four nuts that fasten the adjuster assembly to the seat risers.
- (3) Remove the adjuster covers.
- (4) Remove the four bolts that fasten the adjuster assembly to the seat.

Installation

- (1) Hold the seat and adjuster together and install four bolts. Torque the bolts to 23 N·m (200 In. Lbs.).
- (2) Install the adjuster covers and torque the screws to 3 N·m (24 In. Lbs.).

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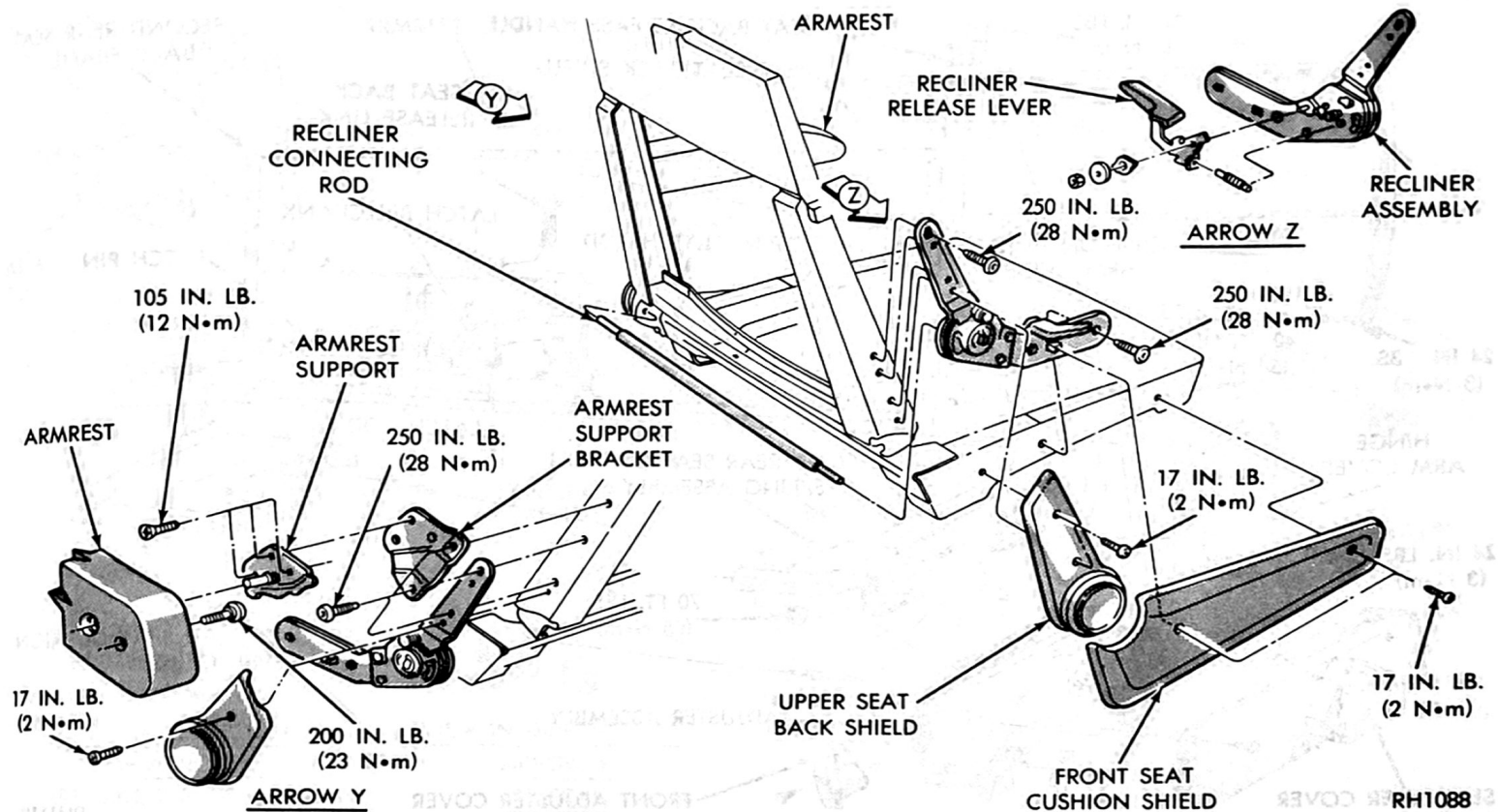


Fig. 5—Front Seat Back Release Mechanism

(3) Place the seat and adjuster assembly on the seat riser, install the four nuts, and torque the nuts to 23 N·m (200 In. Lbs.).

(4) Install the seat riser covers.

FRONT SEAT BACK RELEASE LATCH MECHANISM, LEFT SIDE

Removal left side inboard

- (1) Remove the seat from the adjuster assembly.
- (2) Remove the plastic covers.
- (3) Lift armrest to a position midway between full up and full down; Remove the armrest.
- (4) Remove the armrest support.
- (5) Detrim the seat cushion and back as necessary to allow access to the release mechanism.
- (6) Remove the armrest support bracket.
- (7) Remove recliner assembly (Fig. 5).
- (8) Reverse this procedure to install.

Removal, left side outboard

- (1) Remove the seat from the adjuster assembly.
- (2) Remove the plastic covers.
- (3) Detrim the seat cushion and back as necessary to allow access to the release mechanism.
- (4) Remove the recliner assembly.
- (5) Reverse this procedure to install.

REAR SEAT ASSEMBLY

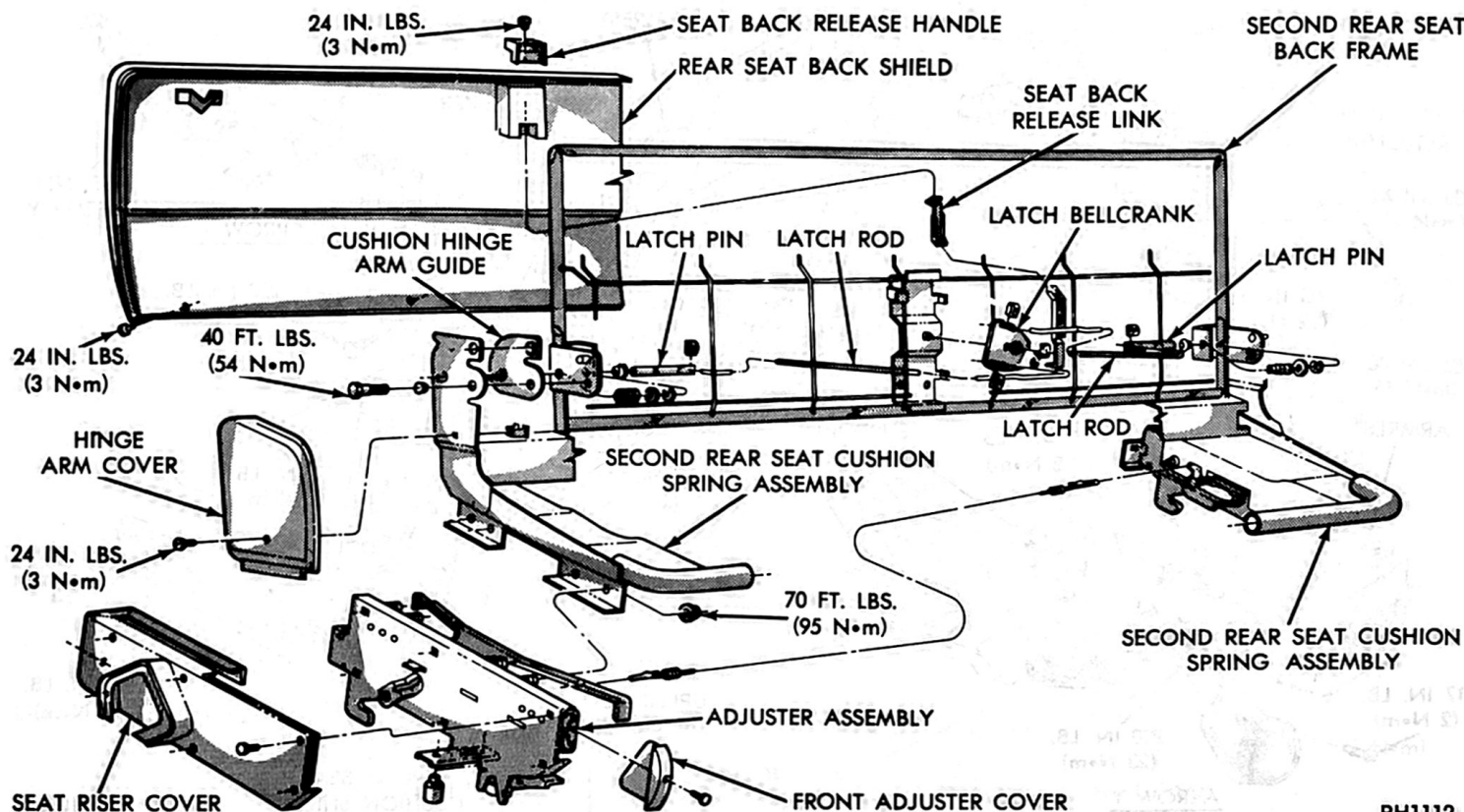
Removal

- (1) Lift the release latch handle on both sides until the front of the seat assembly is released from the floor pan strikers.
- (2) Tilt the seat rearward.
- (3) With the aid of an assistant remove the seat from the vehicle.
- (4) Reverse this procedure to install and be sure to close the release latches completely.

SECOND REAR SEAT ADJUSTER

Removal

- (1) Remove the seat from the vehicle.
- (2) Remove the seat riser cover and the front adjuster cover.
- (3) Remove the four nuts that hold the adjuster assembly to the spring assembly frame.
- (4) Remove the adjuster cable.
- (5) Reverse this procedure to install and torque the adjuster to spring assembly frame nuts to 95 N·m (70 Ft. Lbs.).



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Fig. 6—Second Rear Seat Assembly

SECOND REAR SEAT BACK RELEASE MECHANISM

Removal

Any repair to the seat back internal linkage must start with the removal of the rear seat back shield.

- (1) Remove seatback release handle.
- (2) Remove four screws, and take the rear seat back shield off.
- (3) Make the necessary repairs and then try the seat back release mechanism for proper operation.
- (4) Install the rear seat back shield.

SECOND REAR SEAT BACK

Removal

- (1) Remove the seat from the vehicle.
- (2) Fold the seat back forward.
- (3) Remove the hinge arm covers.
- (4) Remove both seat back pivot bolts.
- (5) Remove the seat back assembly.
- (6) Reverse this procedure to install.

FIRST REAR SEAT RISER

Removal

- (1) Remove the seat from the vehicle.
- (2) Remove the riser covers.
- (3) Detrim the seat as necessary.

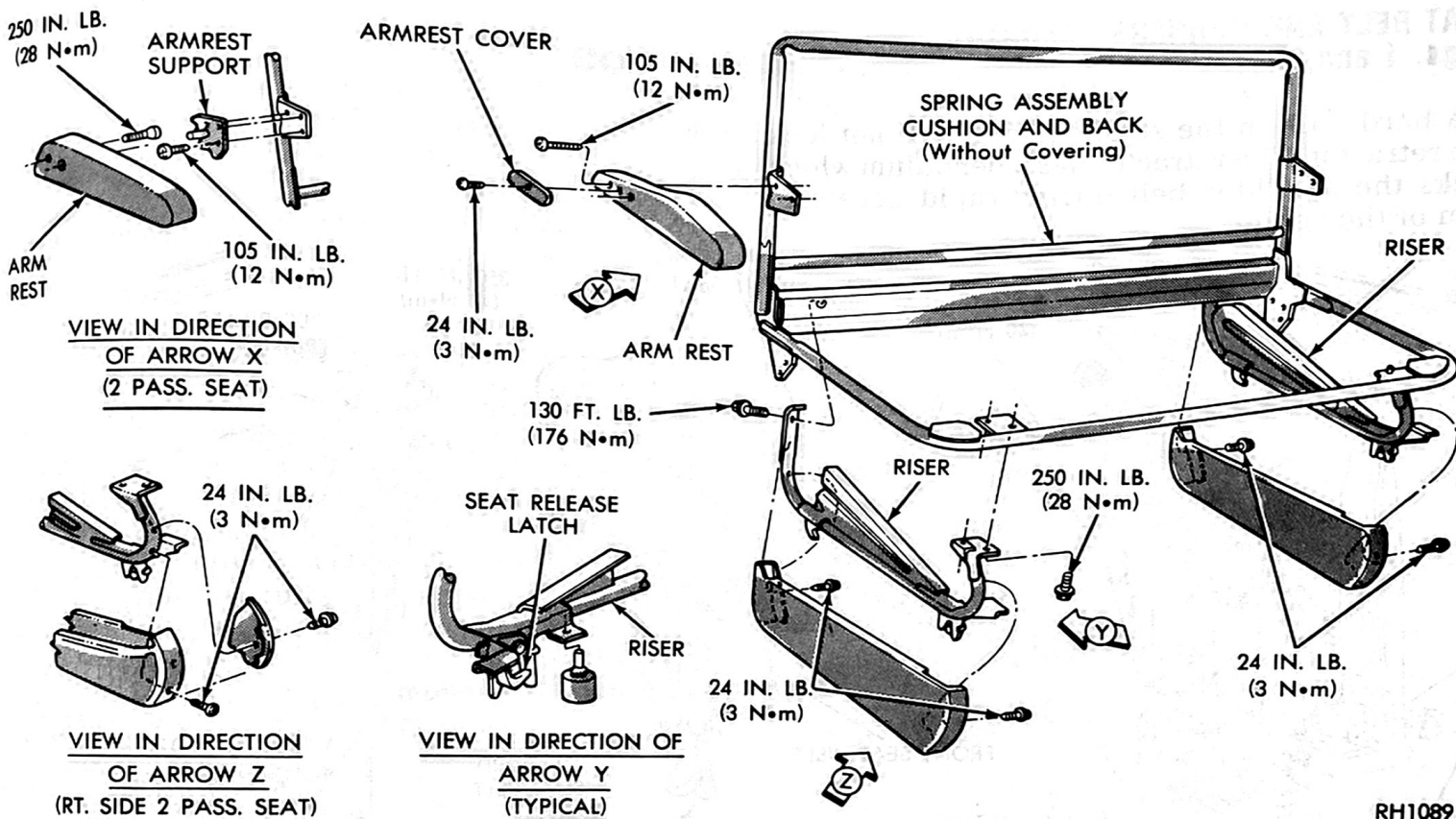


Fig. 7—First Rear Seat Assembly

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(4) Unbolt the riser from the frame (Fig. 7).

(5) Reverse this procedure to install and torque the seat riser to frame bolts as follows:

- The front bolts are torqued to 28 N·m (250 In. Lbs.).
- The rear bolt is torqued to 176 N·m (130 Ft. Lbs.).

FIRST REAR SEAT ARMREST

Folding Armrest Removal

- Lift armrest to a position midway between full up and full down; Remove the armrest.

Stationary Armrest Removal

- Unbolt and remove the armrest cover (Fig. 7).
- Unbolt and remove the armrest.

(3) Reverse this procedure to install.

SEAT BELTS

General Information

Seat belts should be worn whenever the vehicle is in motion. The operation and mounting of the belts should not be tampered with at any time. When removal, installation, or repair is necessary, refer to illustrations for proper system location and mounting hardware. If the belts are removed for any reason, and the vehicle is to be driven, the seat belt retaining bolts should be reinstalled to prevent exhaust fumes from entering the vehicle. All seat belt mounting bolts should be torqued to 350 inch pounds \pm 150 inch pounds (40 N·m \pm 17 N·m).

SEAT BELT AND HARNESS OPERATION (Figs. 1 and 2)

A hard pull on the shoulder belt will not lock the retractor. The retractor has a pendulum which locks the shoulder belt during rapid deceleration of the vehicle.

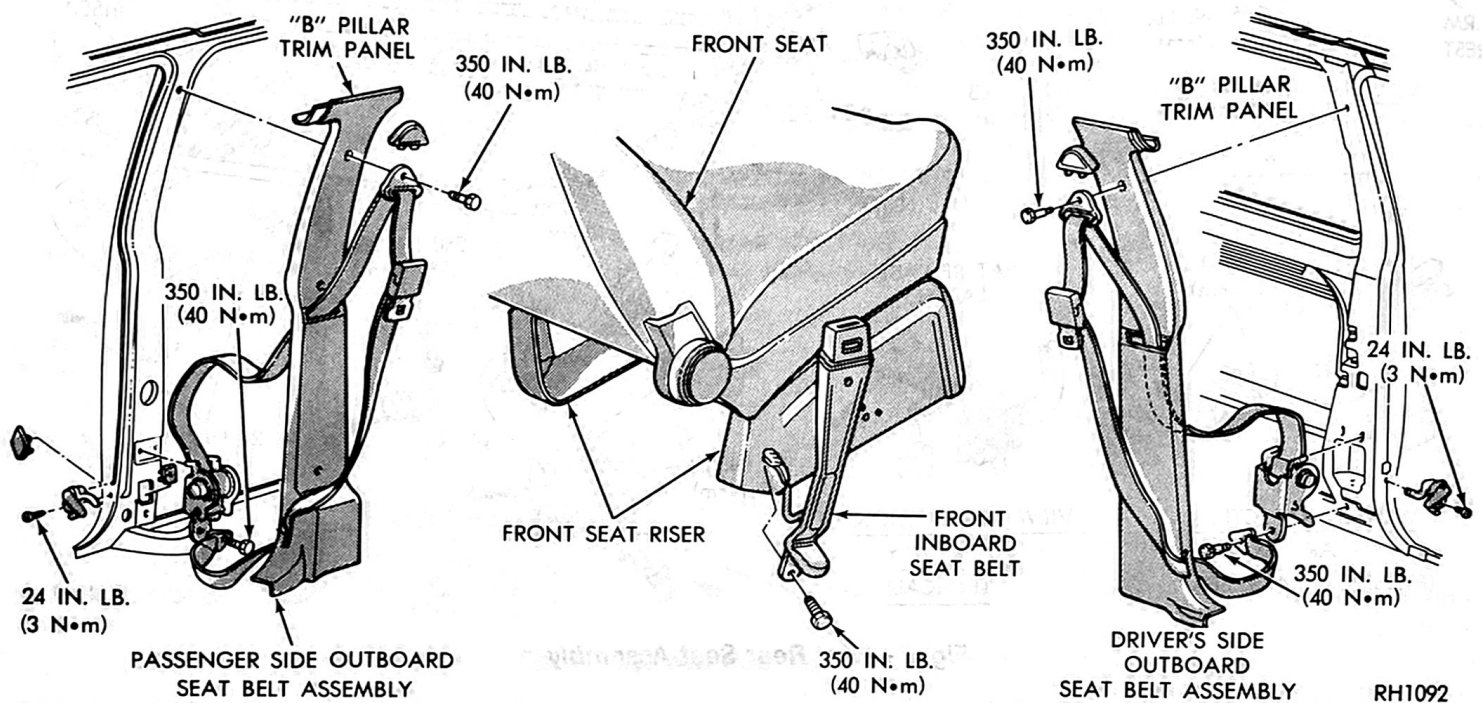


Fig. 1—Front Seat Belts

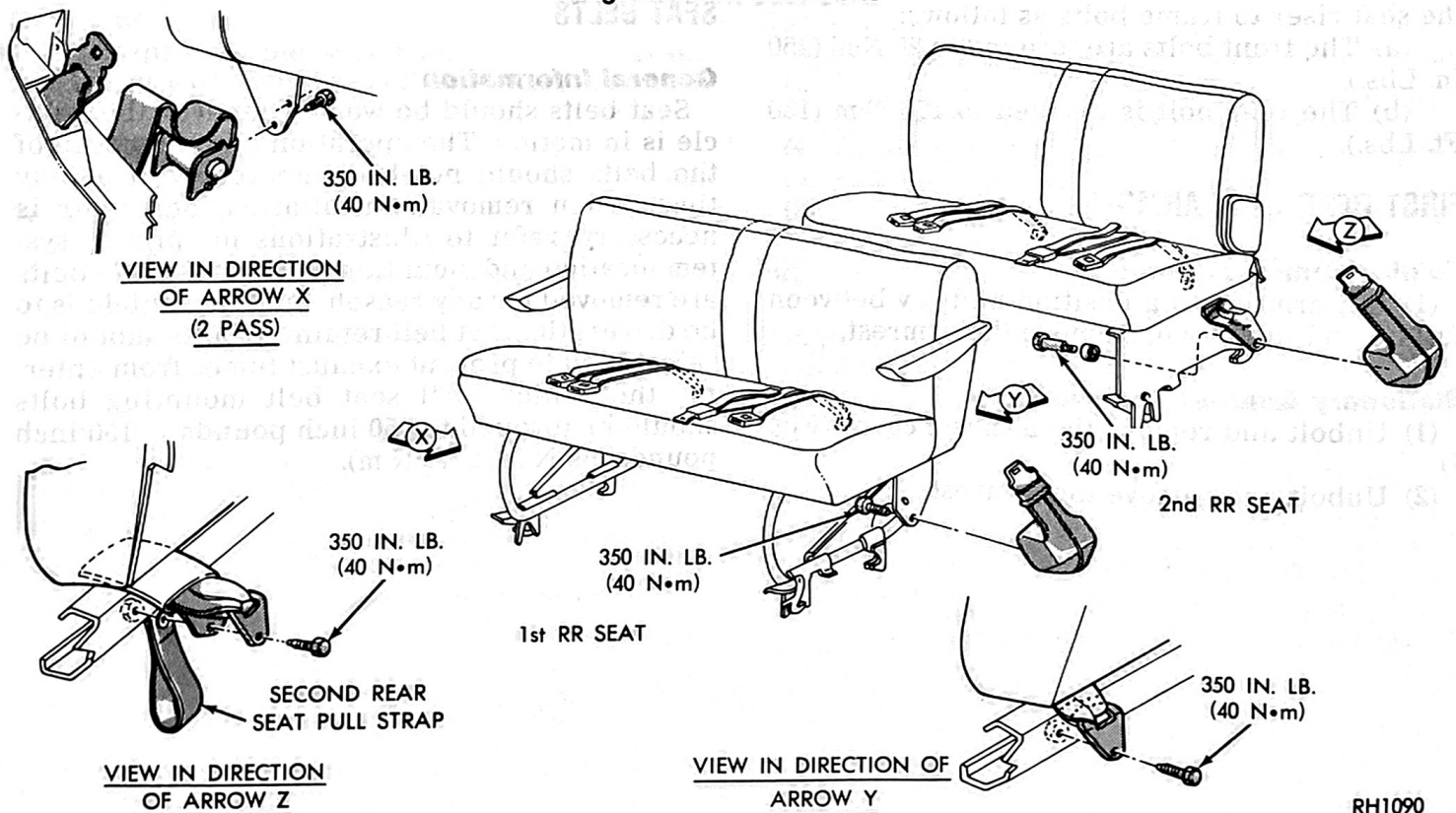


Fig. 2—First and Second Rear Seat Belt Assemblies