

## SECTION 2

# LUBRICATION

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### DESCRIPTION

The mechanical parts of the body with contacting surfaces that have relative motion with other parts are lubricated during assembly. If additional lubrication is required, the procedures and specified materials or their equivalents presented in this section should be used.

The illustrations in this section serve as typical views of the subject areas. The procedures described are similar for all styles.

### FRONT COMPARTMENT LID LOCK— Corvair

1. Clean lock bolt surface.
2. Apply a thin coat of white lithium soap grease (Lubriplate 630 AAW or equivalent) to the contact surface of the fork bolt (Fig. 2-1).
3. Actuate the lock mechanism several times.
4. Remove excess lubricant.

### FRONT COMPARTMENT LID HINGES AND TORQUE ROD

1. Remove dirt and old lubricant.

Apply white lithium soap grease (Lubriplate 630 AAW or equivalent) to the frictional areas indicated 1 in Figure 2-2.

Open and close compartment lid to assure smooth operation.

4. Wipe off excess lubricant.

### INSTRUMENT PANEL COMPARTMENT DOOR HINGE

1. Wipe off the dirt and old lubricant.
2. Apply a low temperature lubricant (Dripless oil or equivalent) sparingly to the friction areas.
3. Operate the hinge mechanism several times to be certain that the lubricant has worked in effectively.
4. Remove excess lubricant.

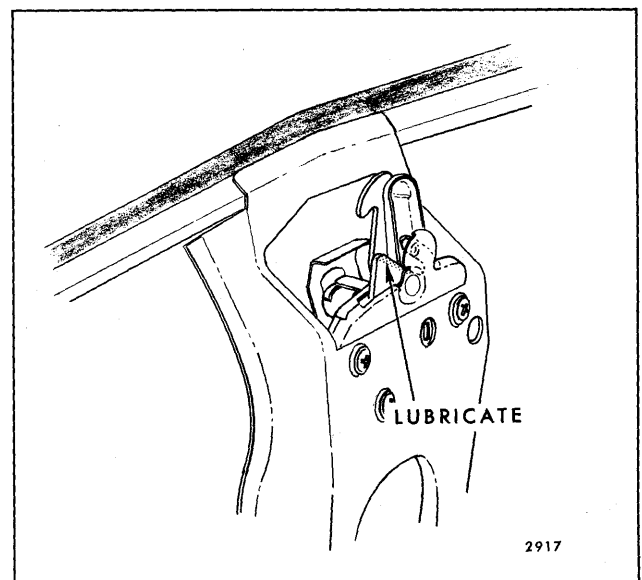


Fig. 2-1—Front Compartment Lid Lock

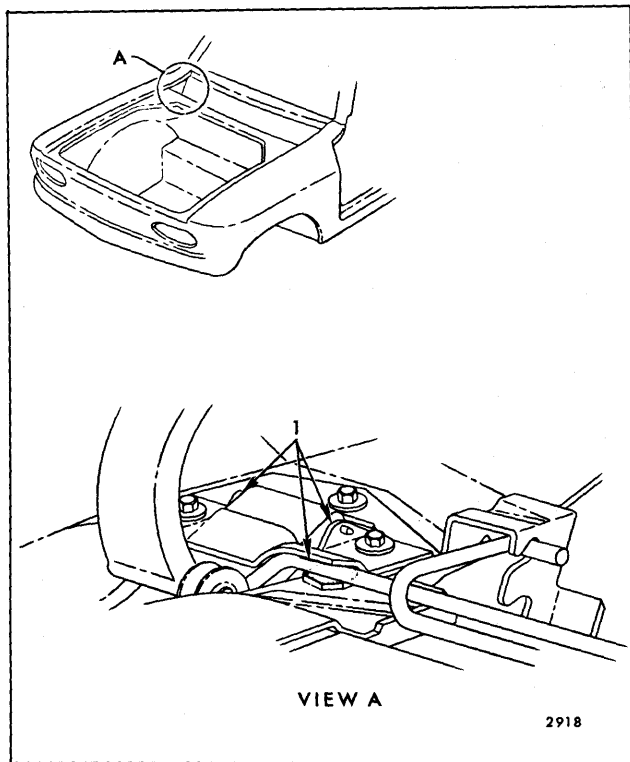


Fig. 2-2—Front Compartment Hinge and Torque Rod - Corvair

## FRONT DOOR HINGE ASSEMBLY

1. Clean dirt and old lubricant from subject area.
2. Apply a thin coat of white lithium soap grease (Lubriplate 630 AAW or equivalent) to the pivot points and other friction areas of the front door hinge and hold-open assembly at the points indicated (Fig. 2-3).

**NOTE:** It is imperative that the contact surfaces of the detent roller and detent lever remain free of lubricant. Lubrication at these points indicated 1 in Figure 2-3, would result in a sliding action instead of the desired rolling action.

3. Lubricate the torque rod on the "E" series lower hinge assembly with molybdenum disulphide (Fiske Bros. 475-10DS or equivalent) at the points indicated (Fig. 2-4).
4. Open and close door several times to insure that the lubricant has worked in effectively.

## REAR DOOR HINGE ASSEMBLY

1. Clean surface of dirt and old lubricant.
2. Apply a thin coat of white lithium soap grease

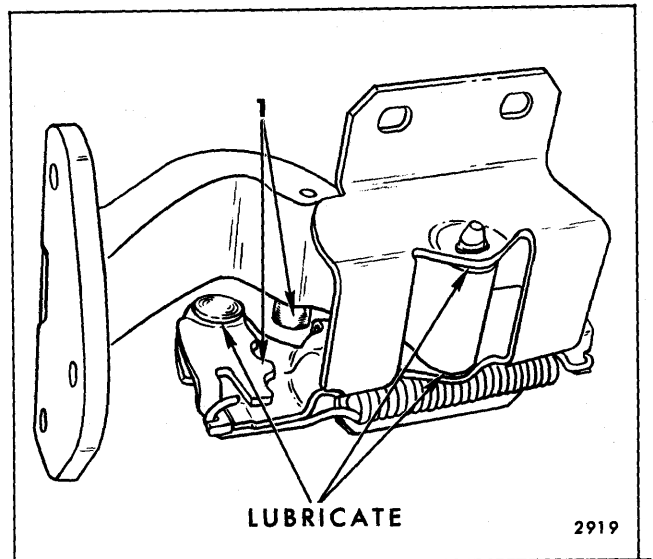


Fig. 2-3—Front Door Hinge Assembly - "B" Body Styles

lubricant (Lubriplate 630 AAW or equivalent) to the pivot points and other friction areas of the rear door hinge and hold-open assembly at the points indicated (Fig. 2-5).

3. Open and close door several times to insure that the lubricant has worked in effectively.

## DOOR LOCK FORK BOLT

1. Clean the fork bolt surface.
2. Apply a thin coat of grease stick lubricant (Doorease or equivalent) to the areas indicated (Fig. 2-6).
3. Operate the lock mechanism several times.

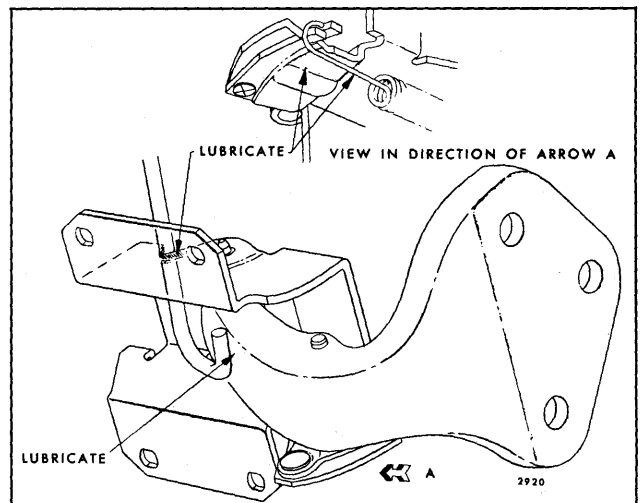


Fig. 2-4—Front Door Hinge Assembly - "E" Body Styles

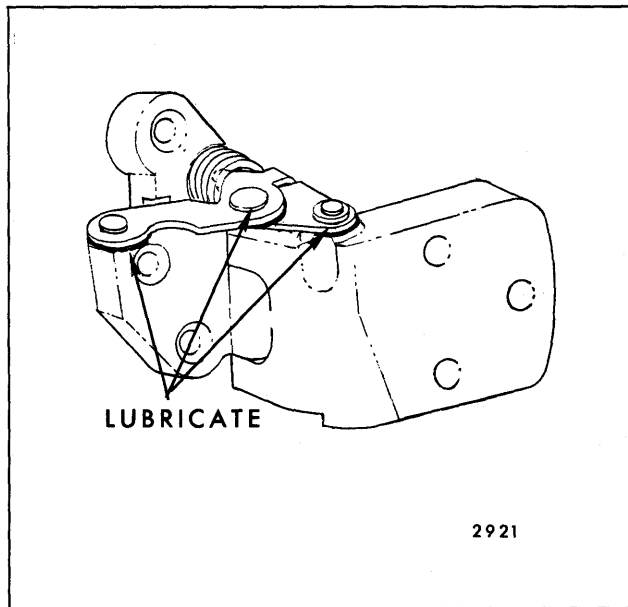


Fig. 2-5—Rear Door Hinge Assembly - "B" Body Styles

## DOOR JAMB SWITCH

1. Wipe off dirt.
2. Apply a thin coat of white lithium soap grease (Lubriplate 630 AAW or equivalent) to the circumference and end surface of the switch plunger.

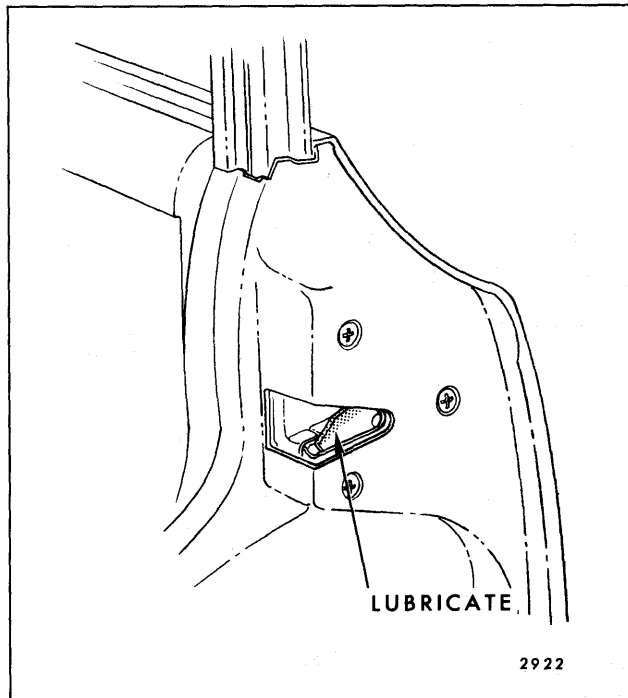


Fig. 2-6—Door Lock Fork Bolt

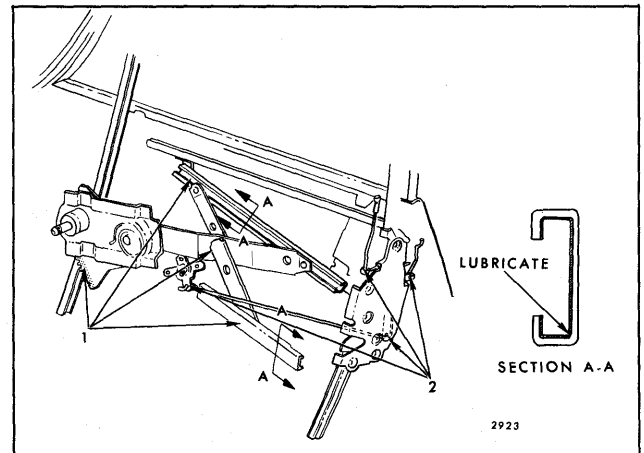


Fig. 2-7—Door Window Regulator and Cams on Styles with Door Upper Frames

3. Operate the plunger several times to insure that the lubricant has been worked in effectively.
4. Remove excess lubricant.

## DOOR LOCKING MECHANISM AND LOCK PARTS

1. Apply white lithium soap grease lubricant (Lubriplate 630 AAW or equivalent) to the pivot points, ends of connecting rods, and other movable parts of the lock.
2. Actuate the lock mechanism to insure smooth operation.

## DOOR WINDOW REGULATOR AND CAMS ON STYLES WITH DOOR UPPER FRAMES

1. Applying a thin coat of white lithium soap grease (Lubriplate 630 AAW or equivalent), cover the entire length of the lower sash channel cam and inner panel cam as shown in section "A-A", Figure 2-7.
2. Lubricate all connecting rod pivot points with 630 AAW Lubriplate or equivalent at the points indicated in Figure 2-7.
3. Apply a thin coat of 630 AAW Lubriplate or equivalent to the teeth of the sector gear and the pivot point of the balance arm and lift arm as indicated at points 1 in Figure 2-7.
4. Operate the glass, remote control, and lock to assure smooth operation.

**NOTE:** Rear door lubrication is similar.

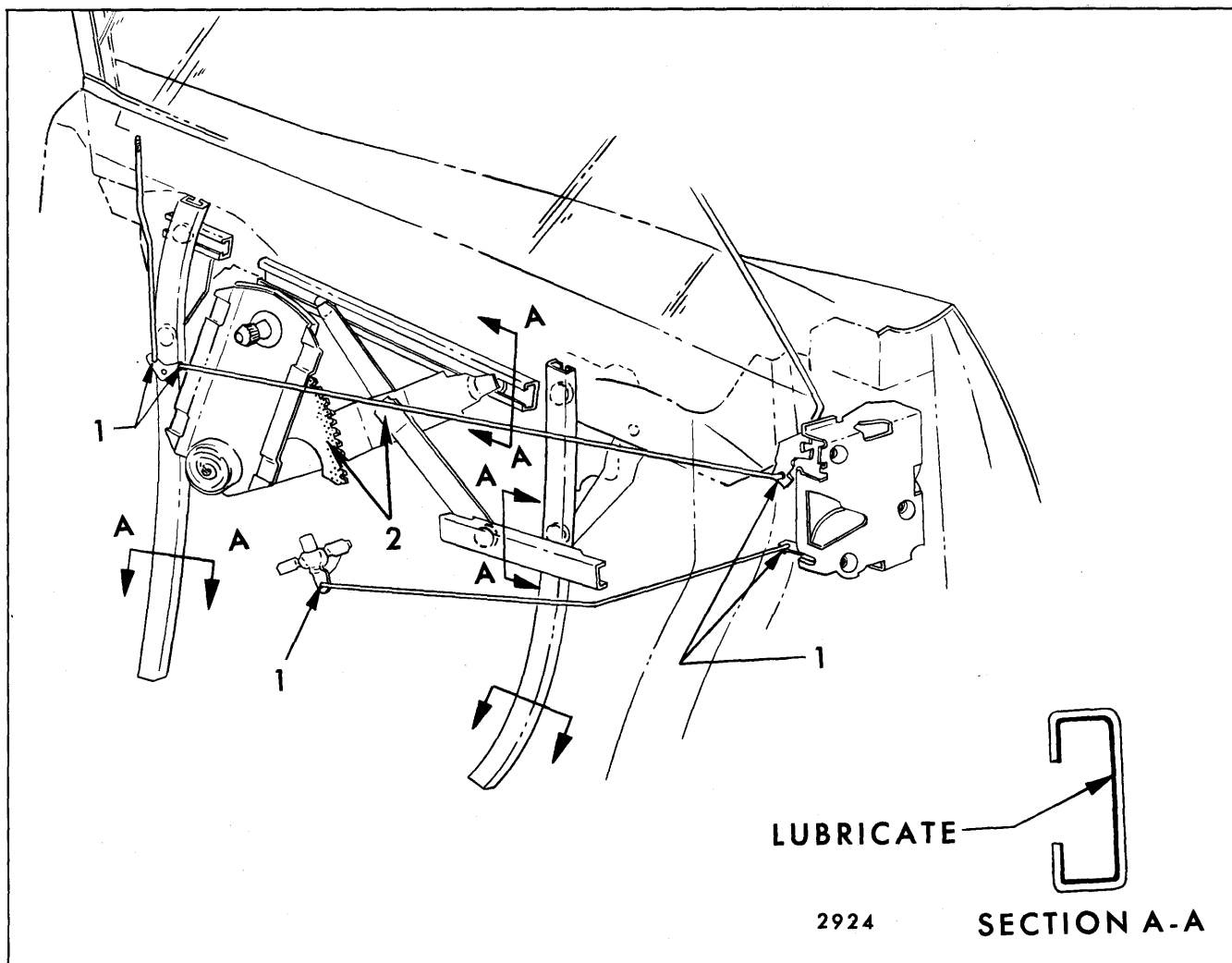


Fig. 2-8—Door Window Regulator and Cams on Styles without Upper Frames

### DOOR WINDOW REGULATOR CAMS AND GUIDES ON STYLES WITHOUT UPPER FRAMES

1. Applying a thin coat of white lithium soap grease (Lubriplate 630 AAW or equivalent) cover the entire length of the front guide, rear guide, the lower sash channel cam, and the inner panel cam as shown in the cross section "A-A", Figure 2-8.
2. Lubricate all connecting rod pivot points with 630 AAW Lubriplate or equivalent at the points indicated 1 in Figure 2-8.
3. Apply a thin coat of 630 AAW Lubriplate or equivalent to the teeth of the sector gear and the pivot point of the balance arm and lift arm as indicated at points 2 in Figure 2-8.
4. Operate the window, remote control, and lock to assure smooth operation.

NOTE: Front door lubrication is similar.

### REAR QUARTER WINDOW REGULATOR CAMS AND GUIDES

1. Apply a thin coat of white lithium soap grease lubricant (Lubriplate 630 AAW or equivalent) to the friction areas indicated (Fig. 2-9).
2. Cover the entire length of the inner surface of all guides with lubricant as shown in the cross section (Fig. 2-9).
3. Operate glass to insure smooth operation.

### TAIL GATE LOCK STRIKER (Station Wagon)

1. Wipe off dirt and old lubricant.

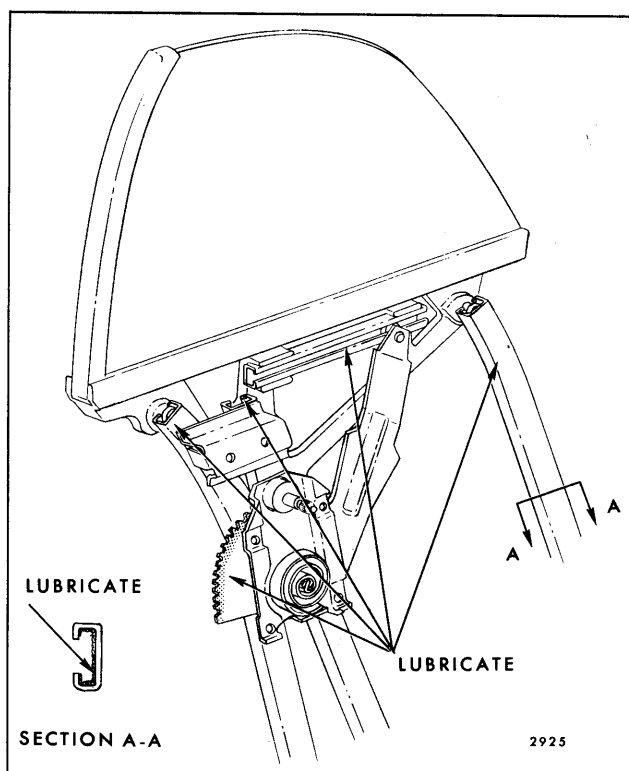


Fig. 2-9—Rear Quarter Window Regulator, Cams, and Guides

2. Apply a thin coat of grease stick lubricant (Doorease or equivalent) to the contact surfaces of the striker teeth (Fig. 2-10).
3. Open and close tail gate several times.
4. Remove excess lubricant.

### TAIL GATE TORQUE ROD (Station Wagon)

1. Apply white lithium soap grease (Lubriplate 630 AAW or equivalent) to the circumference of the tail gate torque rod which passes through the nylon guide as indicated in Figure 2-10.
2. Open and close tail gate several times to assure smooth operation.
3. Remove excess lubricant.

### TAIL GATE HINGE (Station Wagon)

1. Apply a minute amount of low temperature lubricant (Dripless oil or equivalent) to the frictional surfaces.
2. Open and close tail gate several times.
3. Remove excess lubricant.

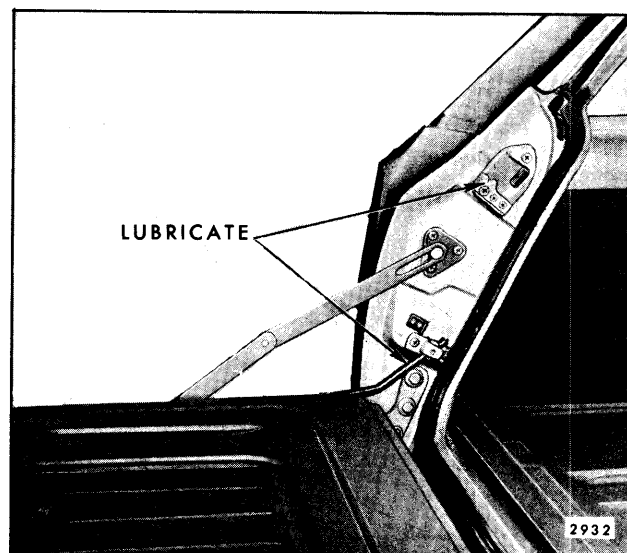


Fig. 2-10—Tail Gate Lock Striker and Torque Rod  
(Station Wagon)

### TAIL GATE WINDOW REGULATOR, CAMS, AND SECTOR GEARS (Station Wagon)

1. Apply white lithium soap grease lubricant (Lubriplate 630 AAW or equivalent) to the pivot points of the connecting rods indicated 1 in Figure 2-11.
2. Coat the entire length of the inner surface of all cams with Lubriplate 630 AAW or equivalent as shown in the cross section "A-A" in Figure 2-11.
3. Apply Lubriplate 630 AAW or equivalent to the teeth of the sector gears at points 2 as shown in Figure 2-11.

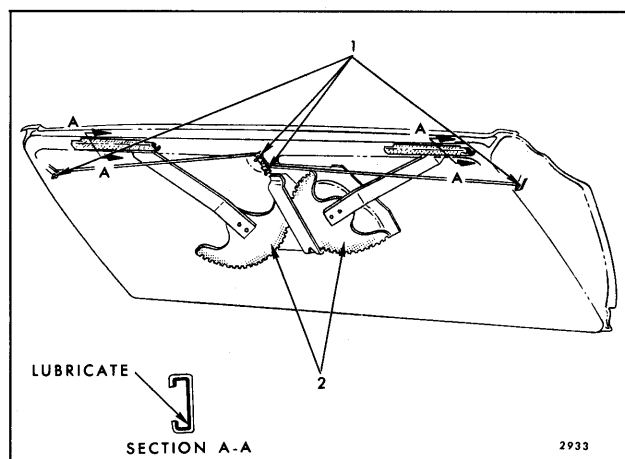


Fig. 2-11—Tail Gate Window Regulator, Cams, and  
Sector Gears (Station Wagon)

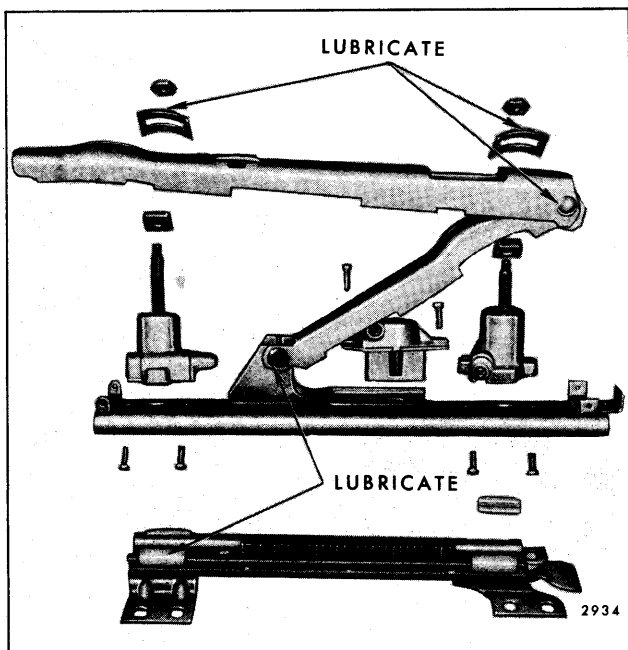


Fig. 2-12—Front Seat Adjuster Mechanism

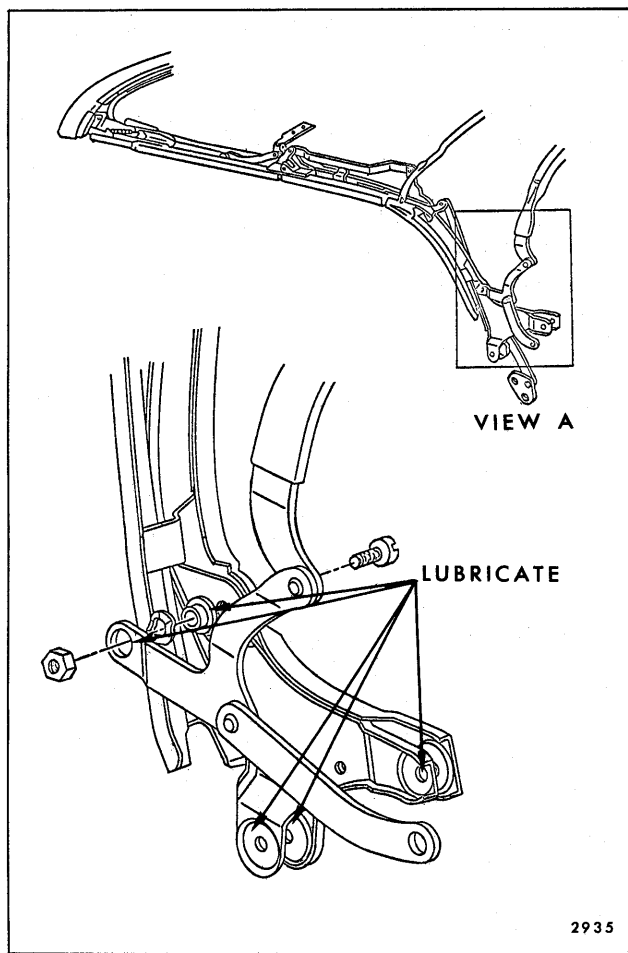


Fig. 2-13—Convertible Top Hinge - "B" Body Styles

4. Operate the glass to assure smooth operation.

## GAS TANK FILLER DOOR HINGE

1. Clean area of dirt and old lubricant.
2. Apply a low temperature lubricant (Dripless oil or equivalent) sparingly to the friction areas.
3. Operate the door several times.
4. Remove excess lubricant.

## FOLDING SEAT LINKAGE

1. Clean surface of dirt and old lubricant.
2. Apply a low temperature lubricant (Dripless oil or equivalent) sparingly to the frictional areas.
3. Operate the linkage several times.
4. Remove excess lubricant to prevent soiling trim.

## FRONT SEAT ADJUSTER MECHANISM (Manual or Electrical)

1. Wipe off old lubricant.

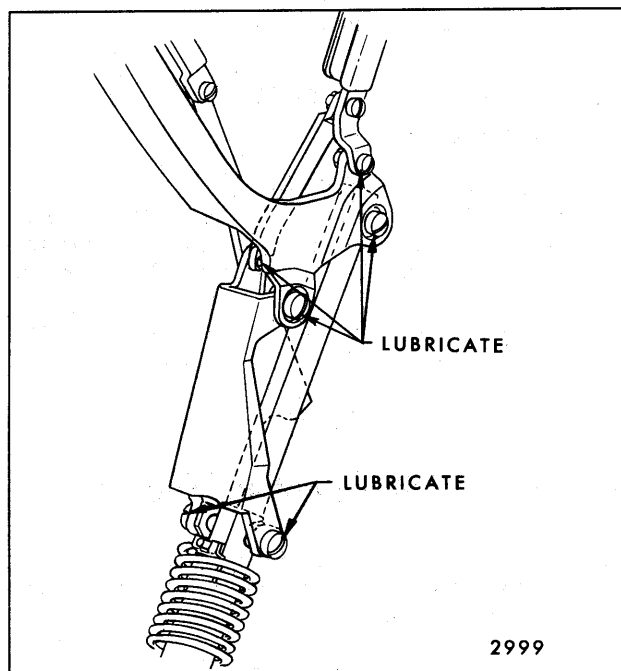


Fig. 2-14—Convertible Top Hinge - "A" Body Styles

2. Apply a thin coat of white lithium soap grease (Lubriplate 630 AAW or equivalent) to the pivot pins, upper surface of the gearnut tension springs and upper channel track nylon bushings as illustrated (Fig. 2-12).
3. Operate seat to the limit of all positions.
4. Remove excess lubricant.

### CONVERTIBLE TOP HINGE MECHANISM

1. Apply a limited amount of low temperature lubricant (Dripless oil or equivalent) to all friction surfaces.
2. The friction surfaces lubricated should include all washers, bushings, and other contact surfaces at the points indicated by the arrows (Fig. 2-13, Fig. 2-14, and Fig. 2-15).
3. To prevent soiling trim wipe off excess lubricant.

### REAR COMPARTMENT HINGES

1. Apply white lithium soap grease lubricant (Lu-

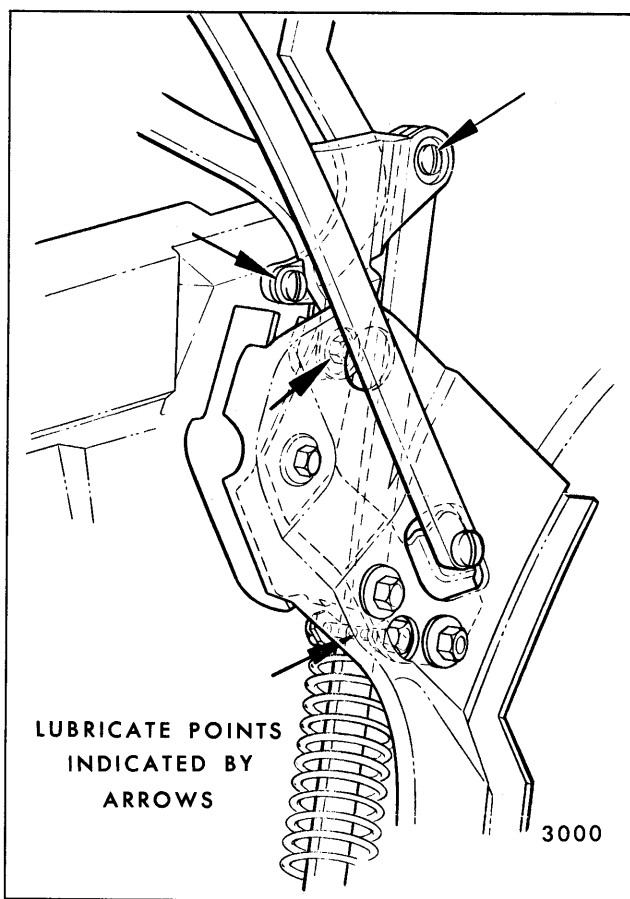


Fig. 2-15—Convertible Top Hinge - "F" Body Styles

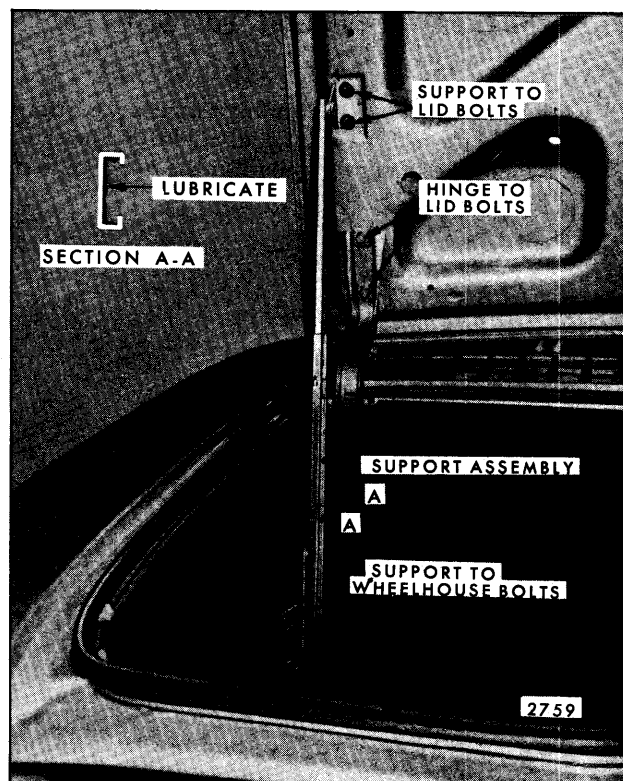


Fig. 2-16—Engine Compartment Lid Support

briplate 630 AAW or equivalent) to the friction areas of the rear compartment lid hinge.

2. Open and close rear compartment lid several times.
3. Remove excess lubricant.

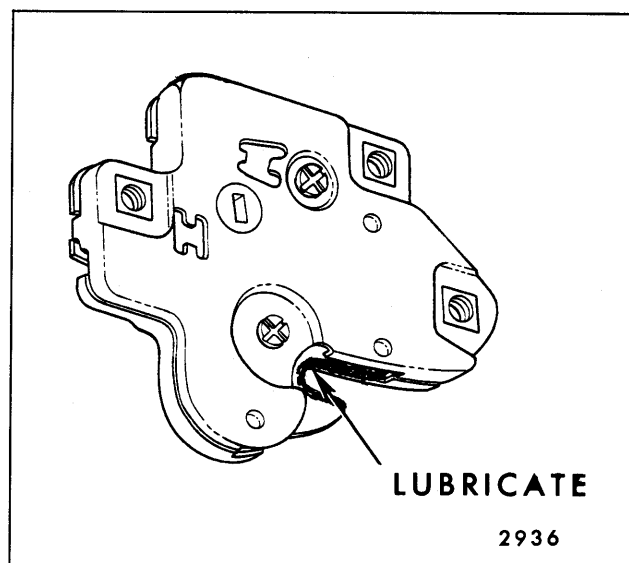


Fig. 2-17—Rear Compartment Lid Lock

## ENGINE COMPARTMENT LID SUPPORT

1. Apply a thin coat of white lithium soap grease (Lubriplate 630 AAW or equivalent) to the inner surface telescoping channel of the compartment lid support (Fig. 2-16).
2. Open and close the lid several times.
3. Remove excess lubricant.

## REAR COMPARTMENT LID LOCK

1. Clean the lock bolt surface.
2. Apply a thin coat of white lithium soap grease (Lubriplate 630 AAW or equivalent) to the contact surface of the lock bolt (Fig. 2-17)
3. Actuate the lock mechanism several times.
4. Remove excess lubricant.