

SECTION 2

LUBRICATION

INDEX

Subject	Page	Subject	Page
Description		Tailgate Lock Fork Bolt (Right and Left)-(Station wagon Styles with Dual Acting Tailgate)	2-5
Front Compartment Lid Lock	2-1	Tailgate Lock Striker	2-5
Front Compartment Lid Hinges and Torque Rod . . .	2-1	Tailgate Torque Rod (All Station Wagons)	2-6
Instrument Panel Compartment Door Hinge	2-2	Tailgate Hinge (All Station Wagons)	2-6
Front Door Hinge Assembly	2-2	Tailgate Window Regulator, Cams, and Sector Gears (All Station Wagons)	2-6
Rear Door Hinge Assembly	2-2	Gas Tank Filler Door Hinge	2-7
Door Lock Fork Bolt	2-3	Folding Seat Linkage	2-7
Door Jamb Switch	2-3	Front Seat Adjuster Mechanism	2-7
Door Locking Mechanism and Lock Parts	2-3	Convertible Top Hinge Mechanism	2-7
Door Window Regulator and Cams on Styles with Door Upper Frames	2-3	Rear Compartment Hinges	2-8
Door Window Regulator Cams and Guides on Styles without Upper Frames	2-4	Engine Compartment Lid Support	2-8
Rear Quarter Window Regulator Cams and Guides	2-5	Rear Compartment Lid Lock	2-8

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 (Auto-Lube "A", Part No. 1050110, or Spray-Lube "A", Part No. 1050520 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.
2. Apply white lithium soap grease (Auto-Lube

"A", Part No. 1050110, or Spray-Lube "A", Part No. 1050520 or equivalent) to the frictional areas indicated 1 in Figure 2-2.

3. Open and close compartment lid to assure smooth operation.
4. Wipe off excess lubricant.

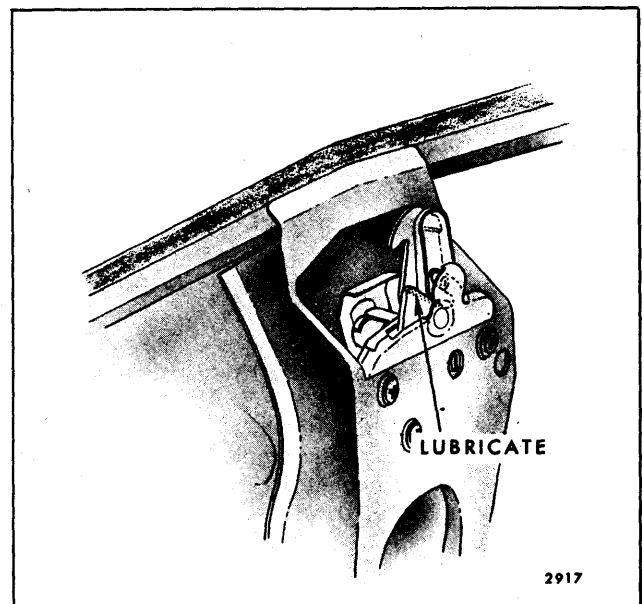


Fig. 2-1—Front Compartment Lid Lock Lubrication

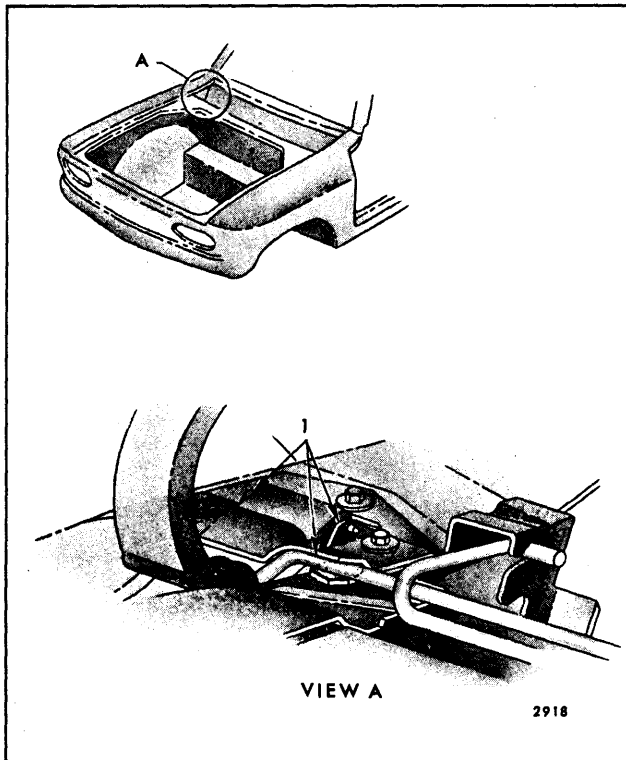


Fig. 2-2—Front Compartment Hinge and Torque Rod

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.

FRONT DOOR HINGE ASSEMBLY

1. Clean dirt and old lubricant from subject area.
2. Apply a thin coat of white lithium soap grease (Auto-Lube "A", Part No. 1050110, or Spray-Lube "A", Part No. 1050520 or equivalent) to the friction areas of the front door hinge at the points indicated, except detent roller pin which should be lubricated with SAE 30 Motor Oil (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

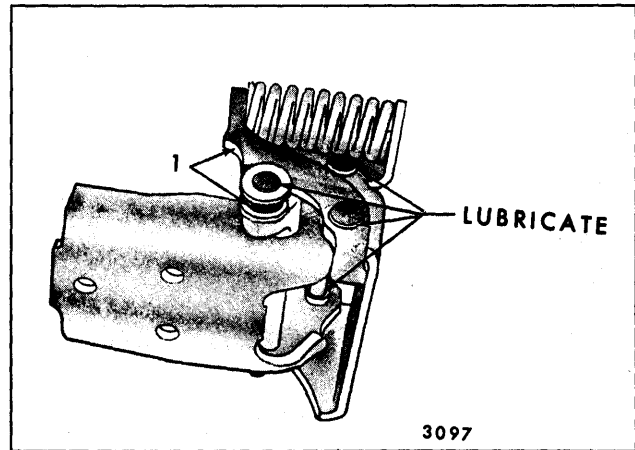


Fig. 2-3—"A-B & C" Styles Front Door Hinge Lubrication

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 lubricant (Auto-Lube "A", Part No. 1050110, or Spray-Lube "A", Part No. 1050520 or equivalent) to the friction areas of the rear door hinge at the points indicated except detent roller pin which should be lubricated with SAE 30 Motor Oil (Fig. 2-3).

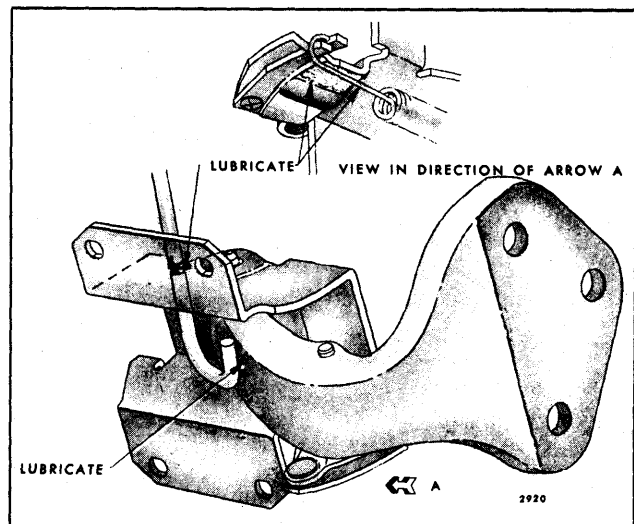


Fig. 2-4—"E" Body Front Door Hinge Lubrication

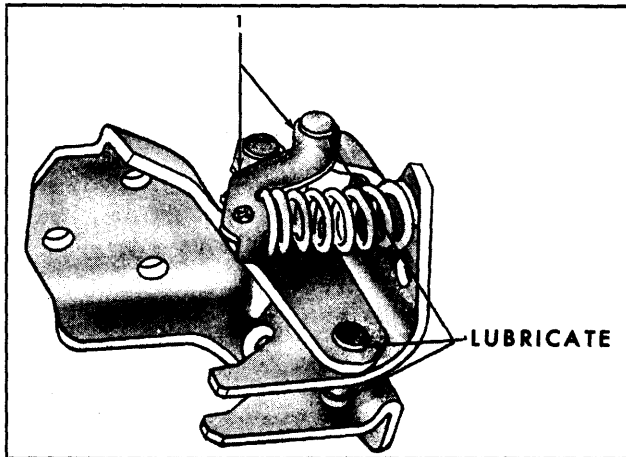


Fig. 2-5—Rear Door Hinge Lubrication

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 2-5, would result in a sliding action instead of the desired rolling action.

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 (Dorease or equivalent) to the areas indicated (Fig. 2-6).
3. Operate the lock mechanism several times.

DOOR JAMB SWITCH

1. Wipe off dirt.
2. Apply a thin coat of white lithium soap grease (Auto-Lube "A", Part No. 1050110, or Spray-Lube "A", Part No. 1050520 or equivalent) to the circumference and end surface of the switch plunger.
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 (Fiske Bros. Lo-Temp. Lubriplate #777 or equivalent) to the pivot points, ends of connecting rods, and other movable parts of the lock.

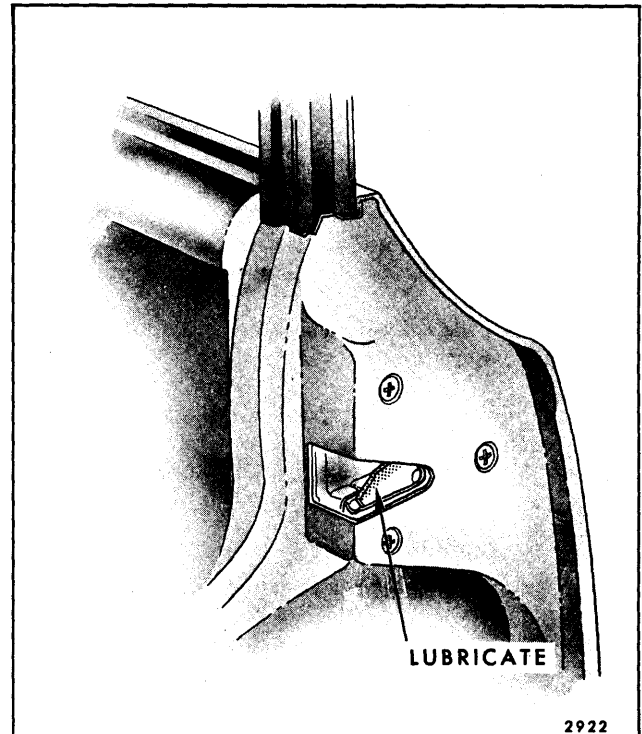


Fig. 2-6—Door Lock Fork Bolt Lubrication

DOOR WINDOW REGULATOR AND CAMS ON STYLES WITH DOOR UPPER FRAMES

1. Applying a thin coat of white lithium soap grease (Fiske Bros. Lo-Temp. Lubriplate #777 equivalent) cover the entire length of the lower sash channel cam and inner panel cam as shown in Section "A-A", Figure 2-7.

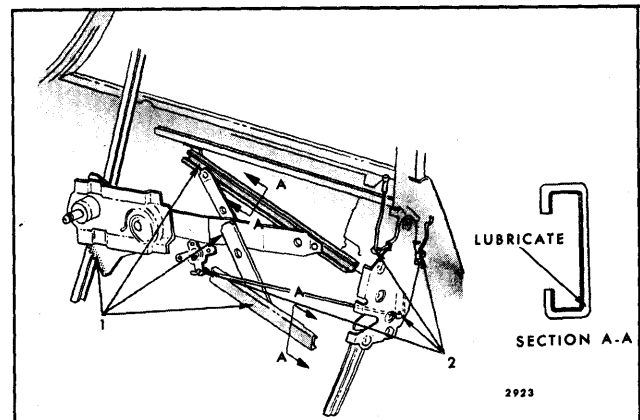


Fig. 2-7—Door Window Regulator and Cam Lubrication - Closed Styles

2. Lubricate all connecting rod pivot points with Auto-Lube "A", Part No. 1050110 or Spray-Lube "A", Part No. 1050520 or equivalent, at the points indicated in Figure 2-7.
3. Apply a thin coat of Auto-Lube "A", Part No. 1050110 or Spray-Lube "A", Part No. 1050520 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.

DOOR WINDOW REGULATOR CAMS AND GUIDES ON STYLES WITHOUT UPPER FRAMES

1. Applying a thin coat of white lithium soap

grease (Fiske Bros. Lo-Temp. Lubriplate #777 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 pivots points with Auto-Lube "A", Part No. 1050110 or Spray-Lube "A", Part No. 1050520 or equivalent at the points indicated 1 in Figure 2-8.
3. Apply a thin coat of Auto-Lube "A", Part No. 1050110 or Spray-Lube "A", Part No. 1050520 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.

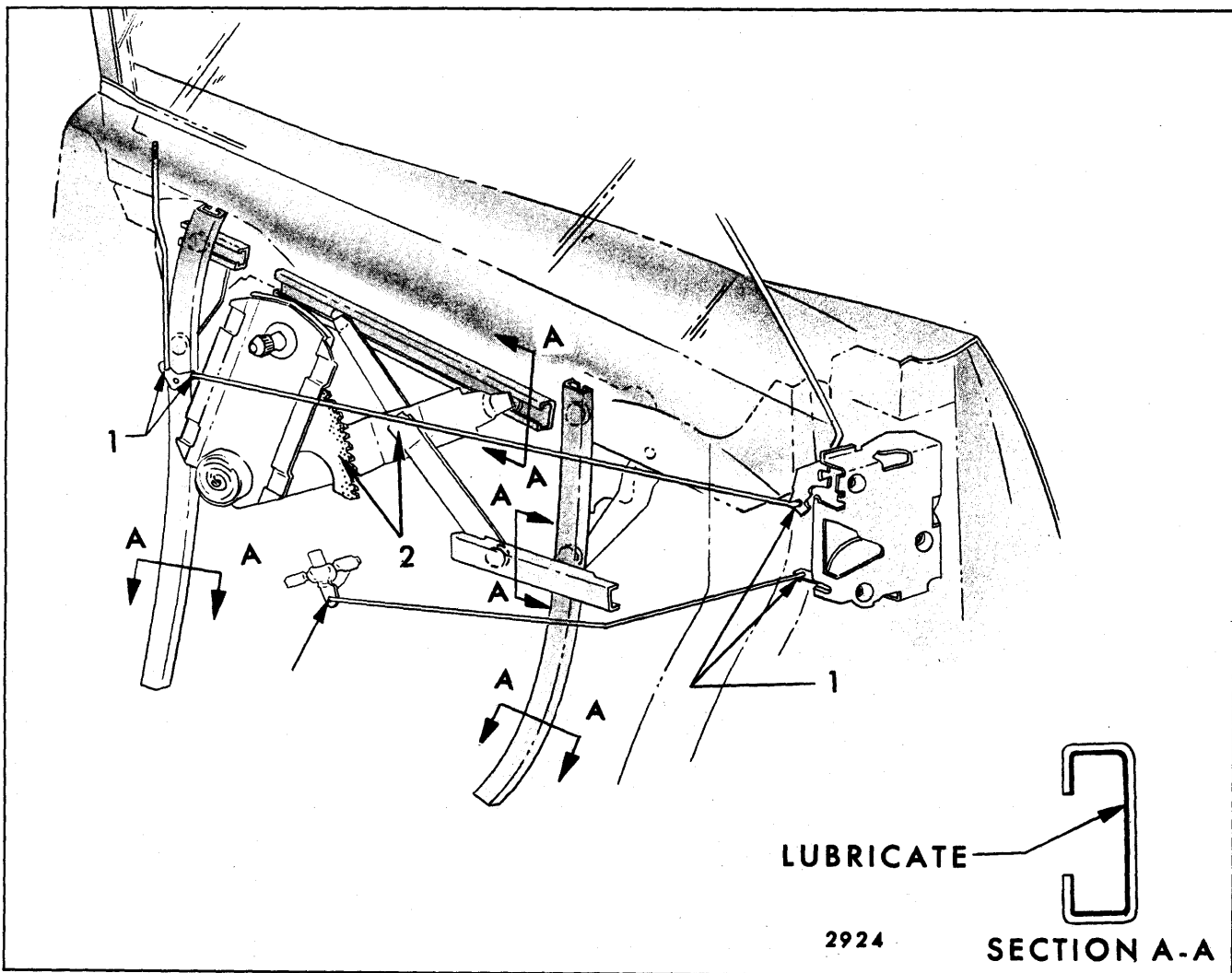


Fig. 2-8—Door Window Regulator and Cam Lubrication - Hardtop

REAR QUARTER WINDOW REGULATOR CAMS AND GUIDES

1. Apply a thin coat of white lithium soap grease lubricant (Fiske Bros. Lo-Temp. Lubriplate #777 or equivalent) to the friction areas indicated (Figs. 2-9 & 2-10).
2. Cover the entire length of the inner surface of all guides with Fiske Bros. Lo-Temp. Lubriplate #777 or equivalent as shown in the cross sections (Fig. 2-9 & 2-10).
3. Operate glass to insure smooth operation.

TAILGATE LOCK FORK BOLT (Right and Left)—(Station Wagon Styles with Dual Acting Tailgate)

1. With tailgate in gate position, clean surface of right and left fork bolt.
2. Apply a thin coat of grease stick lubricant (Doorease or equivalent) to the areas indicated by Point 1, Figure 2-11 (Right Side Shown, and Figure 2-12 Left Side Similar).
3. Open and close tailgate (in gate position) several times.

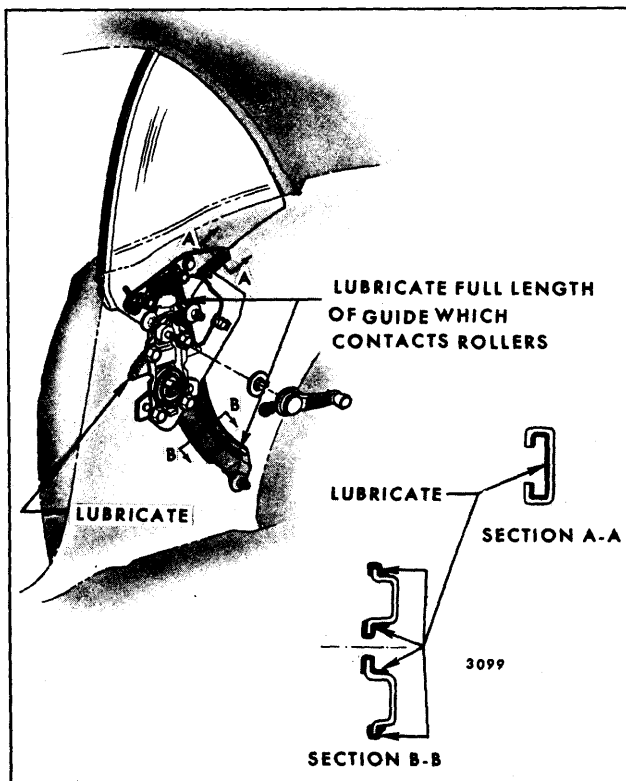


Fig. 2-9—"A-B-C-F" Styles - Quarter Window Regulator Lubrication

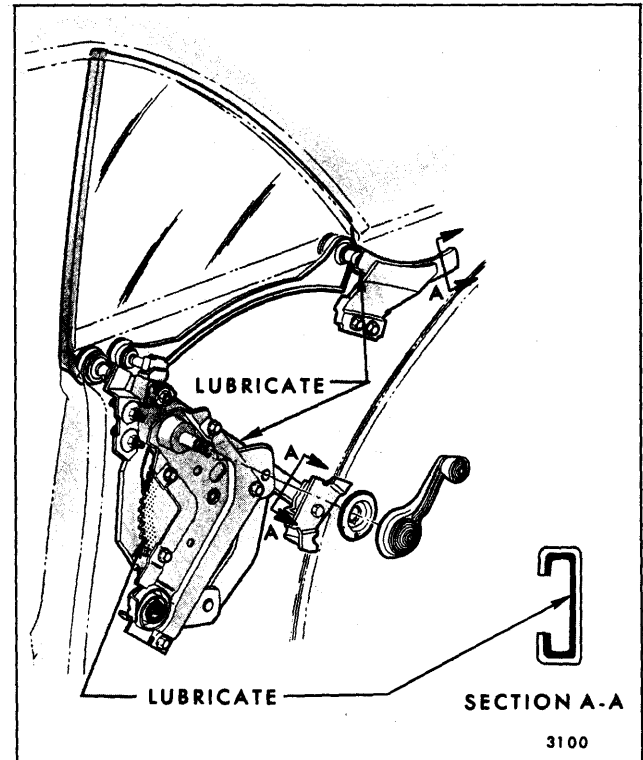


Fig. 2-10—"E" Styles - Quarter Window Regulator Lubrication

TAIL GATE LOCK STRIKER

(Station Wagon with Conventional Tailgate)

1. Wipe off dirt and old lubricant.
2. Apply a thin coat of grease stick lubricant (Doorease or equivalent) to the contact surfaces of the striker teeth (Fig. 2-13).
3. Open and close tail gate several times.
4. Remove excess lubricant.

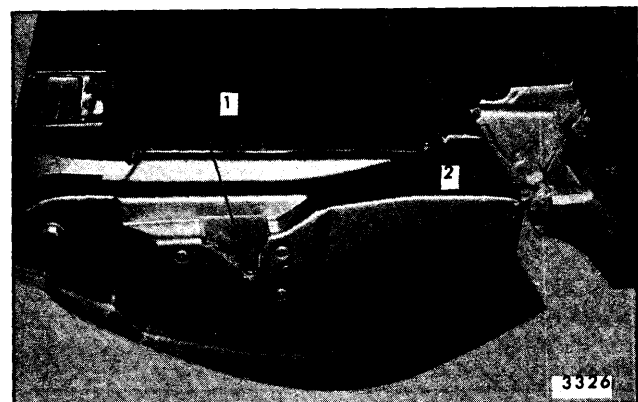


Fig. 2-11—Dual Acting Tailgate Lubrication - Right Side

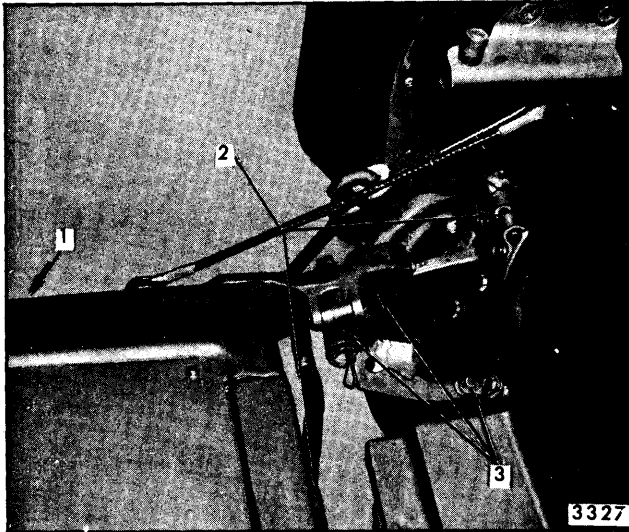


Fig. 2-12—Dual Acting Tailgate Lubrication - Left Side

TAIL GATE TORQUE ROD (All Station Wagons)

1. a. Apply white lithium soap grease (Auto-Lube "A", Part No. 1050110 or Spray-Lube "A", Part No. 1050520 or equivalent) to the circumference of the tail gate torque rod which passes through the nylon guide of the torque rod retainer as indicated in Figure 2-13, for conventional tailgates.
- b. For dual acting tailgate, open in gate position, and apply white lithium soap grease (auto-lube "A", Part No. 1050110 or spray-

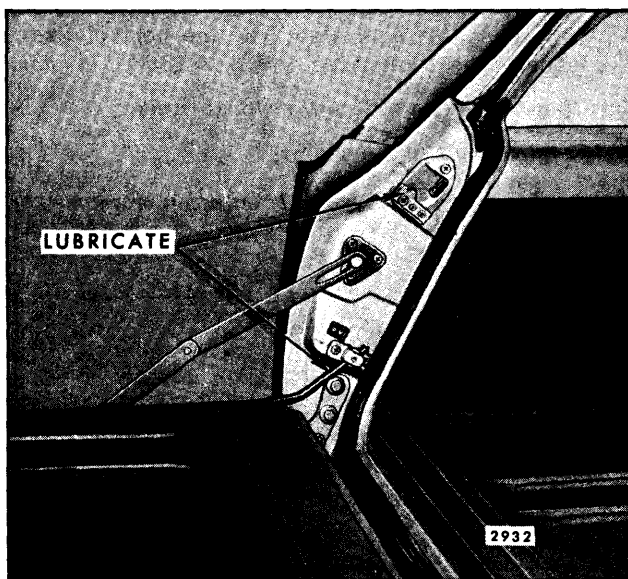


Fig. 2-13—Tailgate Lock Striker and Torque Rod - Conventional Tailgate

lube "A", Part No. 1050520 or equivalent) to contact surfaces of the torque rod to torque rod retainer (on bottom of tailgate), torque rod to torque rod assist link, and torque rod assist link to assist link retainer (on back body pillar), as indicated by Point 2, Figure 2-12.

2. Open and close tailgate several times to assure smooth operation.
3. Remove excess lubricant.

TAIL GATE HINGE (All Station Wagon Styles)

1. a. Apply a minute amount of low temperature lubricant (dripless oil or equivalent) to the frictional surfaces of right and left hinge on styles with conventional tailgate.
- b. With dual-acting tailgate in gate position, apply a low temperature lubricant (dripless oil or equivalent) sparingly through the two oil holes provided, and onto the pivot pin for the hold-open feature on the left hinge assembly (Point 3, Figure 2-12, and apply a coating of wheel bearing lubricant or equivalent to the striker pin (Point 2, Figure 2-11 on the right hinge assembly).
2. Open and close tailgate several times.
3. Remove excess lubricant.

TAIL GATE WINDOW REGULATOR, CAMS, AND SECTOR GEARS (All Station Wagons)

1. Apply white lithium soap grease lubricant (Auto-Lube "A", Part No. 1050110 or Spray-Lube "A", Part No. 1050520 or equivalent) to the pivot points of the connecting rods indicated 1 in Figure 2-14).

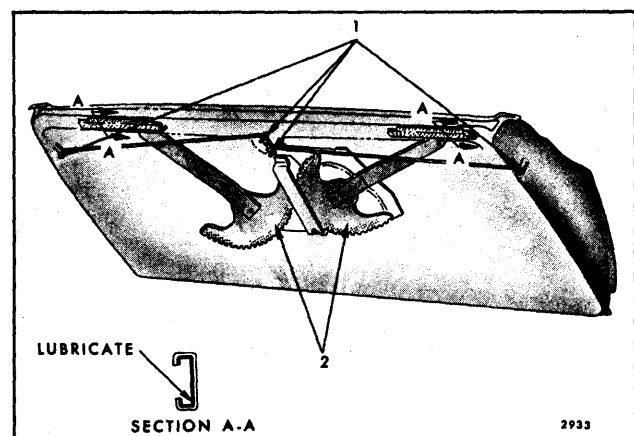


Fig. 2-14—Tailgate Window Regulator, Cams, etc. - All Tailgates

2. Coat the entire length of the inner surface of all cams with Fiske Bros. Lo-Temp Lubriplate #777 or equivalent as shown in the cross section "A-A" in Figure 2-14.
3. Apply Auto-Lube "A", Part No. 1050110 or Spray-Lube "A", Part No. 1050520 or equivalent to the teeth of the sector gears at points 2 as shown in Figure 2-14.
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.

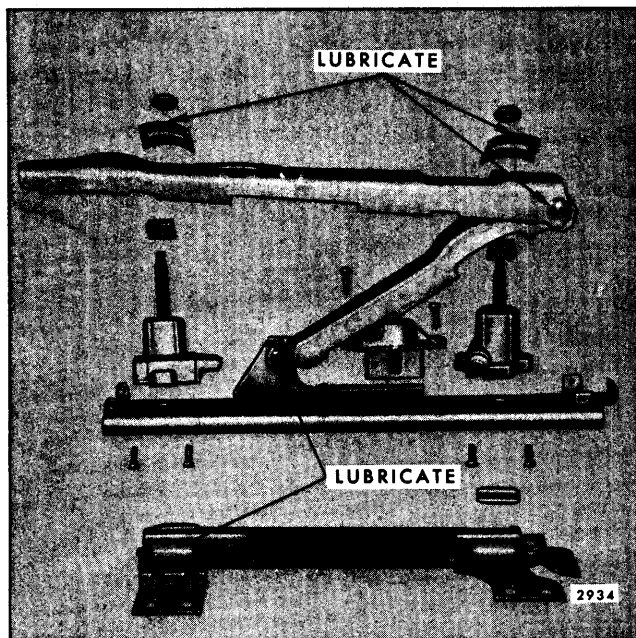


Fig. 2-15—Front Seat Adjuster Lubrication

FRONT SEAT ADJUSTER MECHANISM (Manual or Electrical)

1. Wipe off old lubricant.
2. Apply a thin coat of white lithium soap grease (Auto-Lube "A", Part No. 1050110 or Spray-Lube "A", Part No. 1050520 or equivalent) to the pivot pins, upper surface of the gearnut tension springs and upper channel track nylon bushings as illustrated (Fig. 2-15).
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 (Figure 2-16, Figure 2-17, and Figure 2-18).
3. To prevent soiling trim, wipe off excess lubricant.

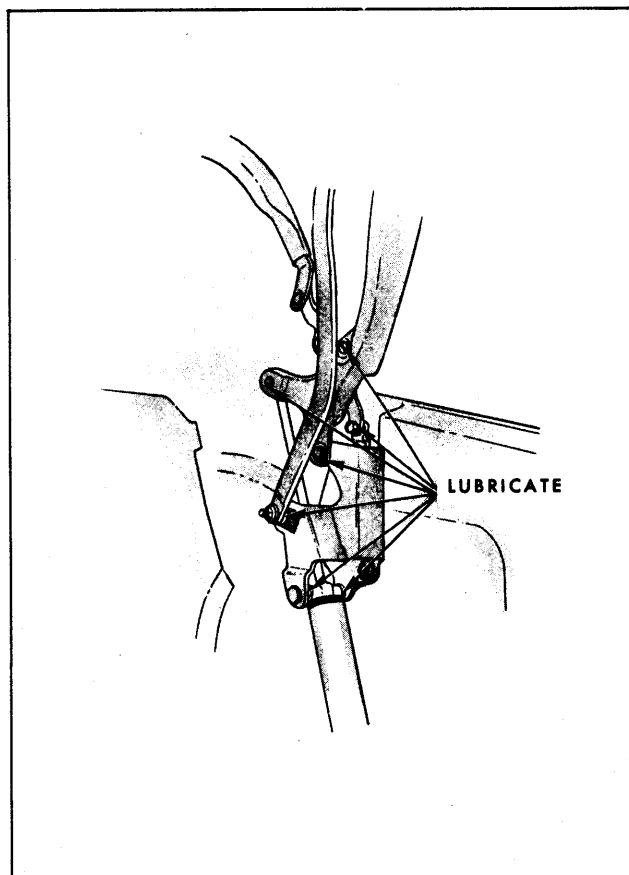


Fig. 2-16—"B" Convertible Hinge Lubrication

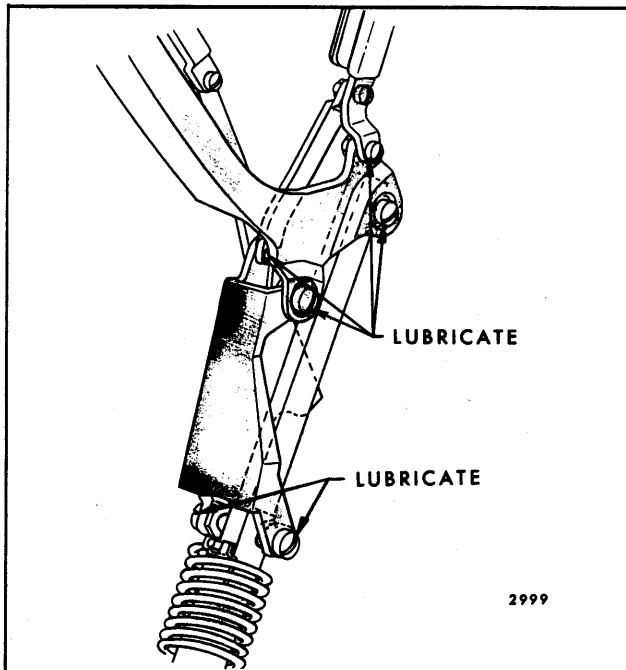


Fig. 2-17—"A" Convertible Hinge Lubrication

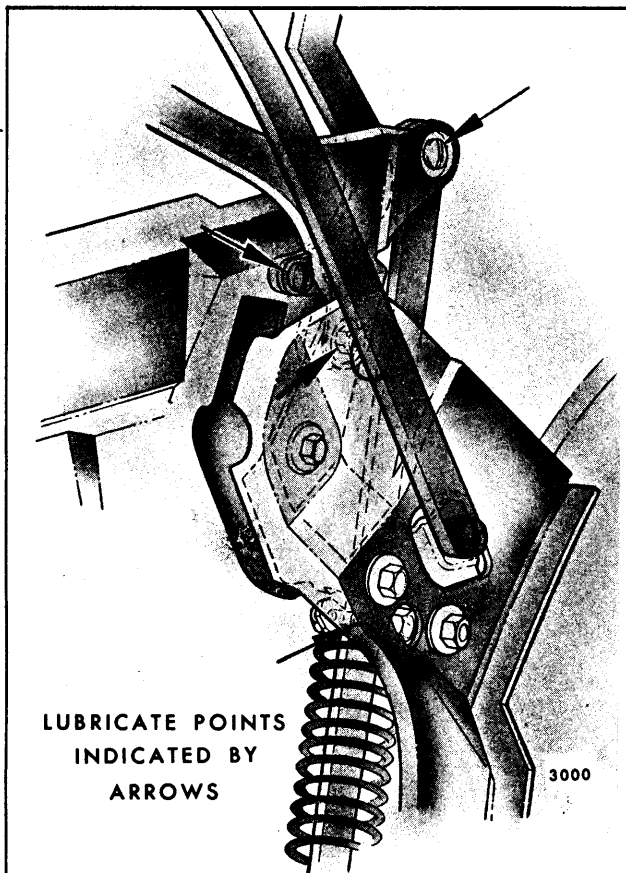


Fig. 2-18—"F" Convertible Hinge Lubrication

REAR COMPARTMENT HINGES

1. Apply white lithium soap grease lubricant (Auto-Lube "A", Part No. 1050110 or Spray-Lube "A", Part No. 1050520 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.

ENGINE COMPARTMENT LID SUPPORT

1. Apply a thin coat of white lithium soap grease (Fiske Bros. Lo-Temp. Lubriplate #777 or equivalent) to the inner surface telescoping channel of the compartment lid support (Fig. 2-19).
2. Open and close the lid several times.
3. Remove excess lubricant.

REAR COMPARTMENT LID LOCK

1. Clean the lock bolt surface.

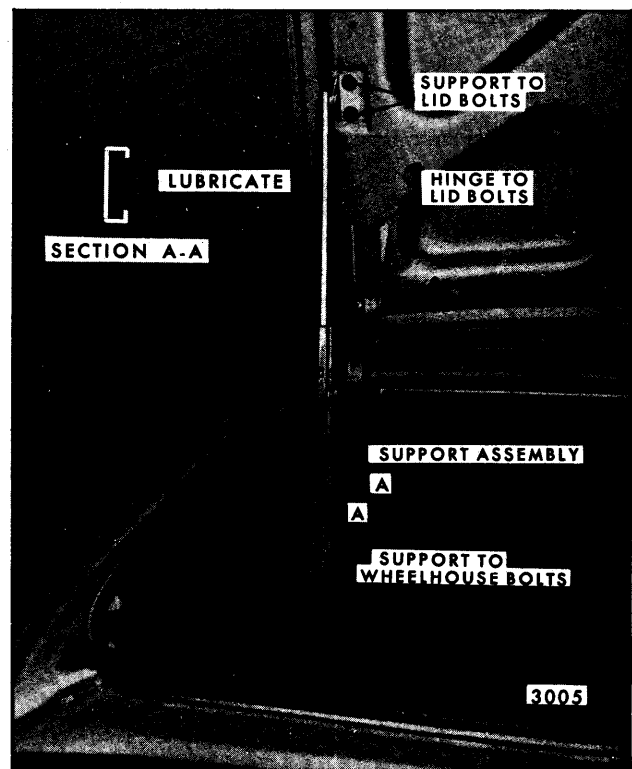


Fig. 2-19—Engine Compartment Lid Lubrication

2. Apply a thin coat of white lithium soap grease (Auto-Lube "A", Part No. 1050110 or Spray-Lube "A", Part No. 1050520 or equivalent) to the contact surface of the lock bolt (Fig. 2-20).
3. Actuate the lock mechanism several times.
4. Remove excess lubricant.

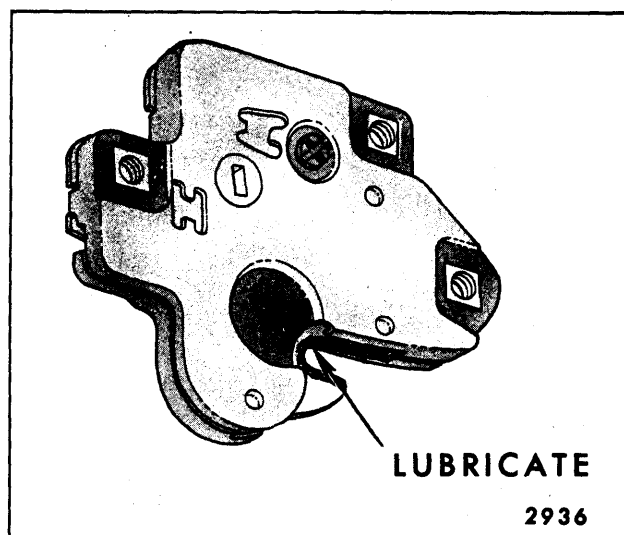


Fig. 2-20—Rear Compartment Lid Lock Lubrication