

SECTION 8-C

MAST JACKET ASSEMBLY

CONTENTS OF SECTION 8-C

Paragraph	Subject	Page	Paragraph	Subject	Page
8-19	Removal and Installation of Mast Jacket and Transmission Control Shaft Assembly	8C-1	8-21	Disassembly and Reassembly of Three Speed Synchromesh Transmission Mast Jacket and Transmission Control Shaft Assembly	8C-3
8-20	Disassembly and Reassembly of Automatic Transmission Mast Jacket and Transmission Control Shaft Assembly	8C-1	8-22	Disassembly and Reassembly of Four Speed Synchromesh Transmission Mast Jacket	8C-3

8-19 REMOVAL AND INSTALLATION OF STEERING MAST JACKET ASSEMBLY

a. Removal

1. Remove two nuts securing shaft lower coupling to lower steering shaft flange. See Figure 8-31.
2. On automatic or three speed synchromission transmission equipped cars remove clip from shift rod(s) and pull rod(s) out of mast jacket shift lever (s).
3. On three speed synchromesh transmission equipped cars remove clip securing clutch rod to clutch pedal, and disengage rod.
4. Remove screws that retain toe pan cover to toe pan. See Figure 8-68.
5. Disconnect wiring harness from mast jacket.
6. Remove nut that retains mast jacket clamp to instrument panel.
7. Align shift lever(s) with hole in toe pan (automatic and three speed synchromesh transmissions only) and remove jacket assembly.

b. Installation

1. Align shift lever(s) with hole in toe pan (automatic and three speed synchromesh transmissions only) and install end of mast jacket through hole. Position lower steering shaft flange onto gear coupling flange and loosely attach jacket to instrument panel.
- NOTE: When connecting steering shaft coupling to gear coupling, be sure that pin of larger diameter fits into slot of larger diameter.
2. Install bolt to mast jacket clamp and torque 12 to 20 lb. ft.
 3. Tighten two nuts securing steering shaft coupling to gear coupling and torque nuts 15 to 20 lb. ft.
 4. Place a bead of body sealer between mating surfaces of toe pan and mast jacket lower cover. Secure cover to toe pan with four screws and washers.
 5. Plug wiring harness connectors into switches.
 6. On three speed synchromesh transmission cars connect clutch rod to clutch pedal and secure in position with clip.

7. Attach and secure shift rod(s) to shift lever(s) on three speed transmission and automatic transmission equipped cars.
8. On automatic transmission cars check and adjust neutral safety switch.

8-20 DISASSEMBLY TRANSMISSION MAST JACKET AND TRANSMISSION CONTROL

a. Disassembly

1. Take off steering wheel (refer to subpar. 8-5), spring, and turn signal cancelling cam. See Figure 8-69.

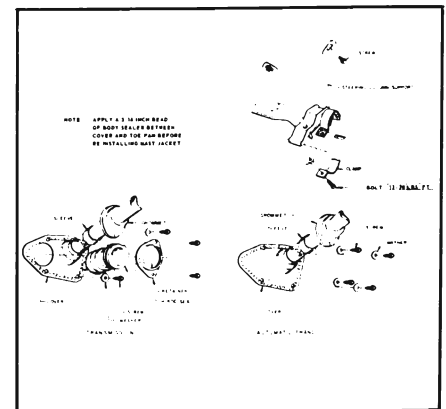


Figure 8-68—Mast Jacket Installation

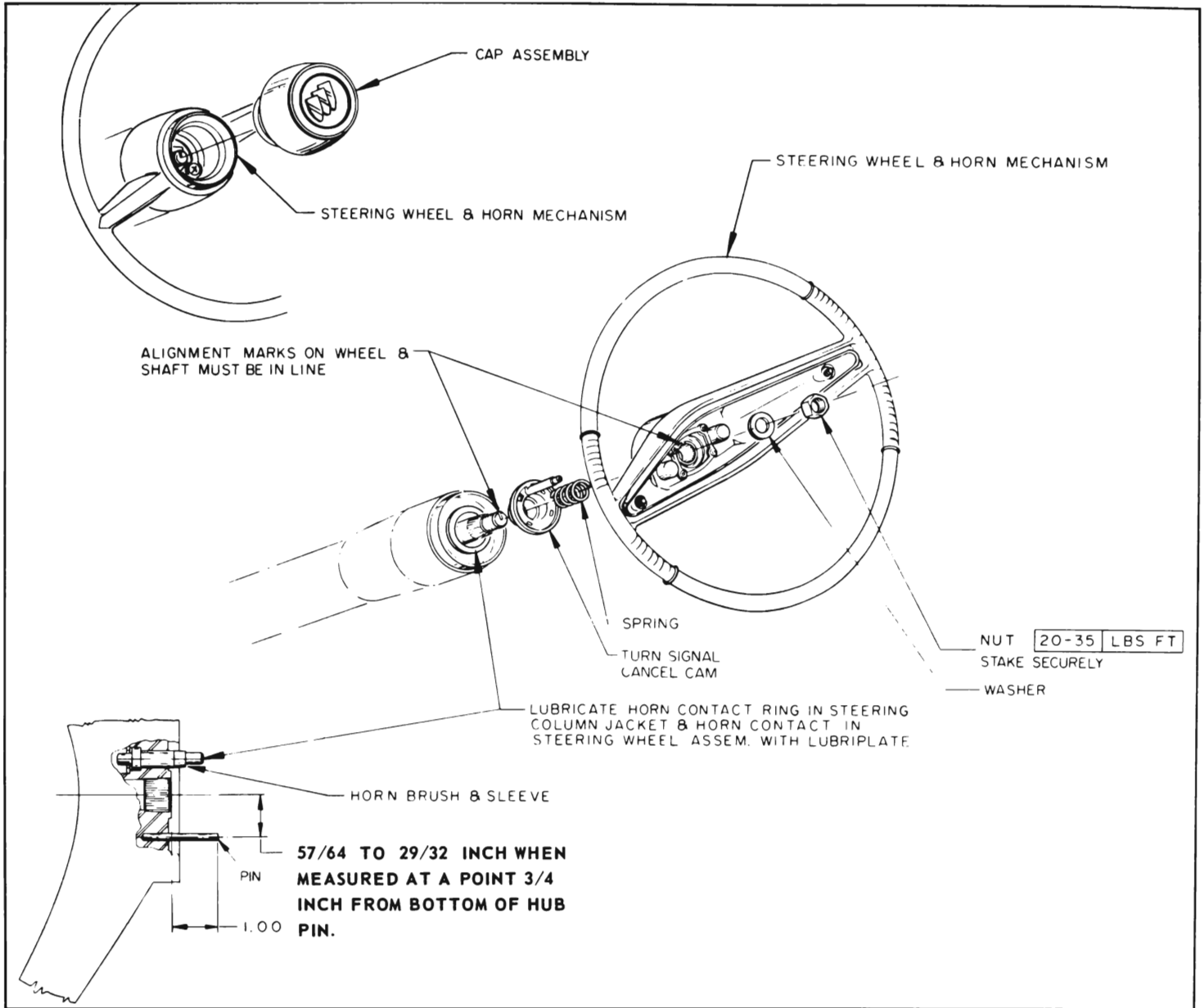


Figure 8-69—Deluxe and Standard Steering Wheel Installation

2. Remove mast jacket assembly from car (refer to par. 8-19).

3. Remove neutral safety and back-up lights switch from mast jacket.

8. Remove three screws on steering shaft upper bearing adapter. See Figure 8-71.

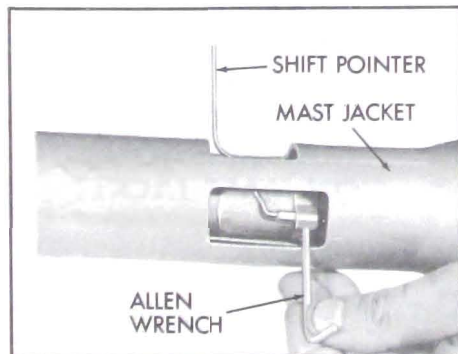


Figure 8-70—Removing Shift Pointer

4. Remove clip holding mast jacket wiring cover to mast jacket and pull out cover.

5. Remove screw from directional signal lever and take out lever.

9. Twist steering column cover in a counterclockwise direction and lift out steering column cover, turn signal control assembly, steering shaft upper bearing and adapter, washer, and shift bowl. See Figure 8-72.

6. Loosen set screw holding shift pointer to shift tube and slide out pointer. See Figure 8-70.

7. Drive out pin holding shift lever to shift bowl and take off lever and spring.

10. Take out steering tube centering wave washer and plain washer.

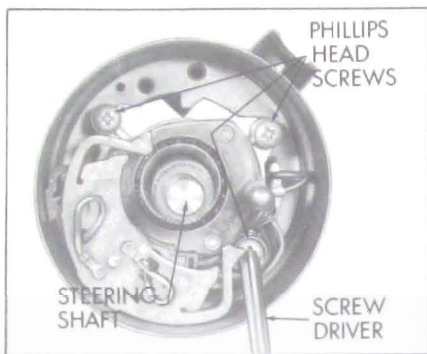


Figure 8-71—Removing Steering Shaft Upper Bearing Adapter Screws

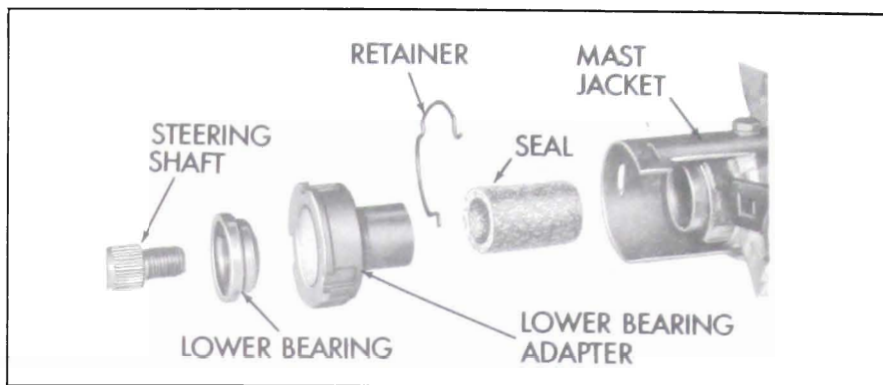


Figure 8-73—Disassembly of Lower Portion of Mast Jacket

11. Remove retainer from lower portion of mast jacket and take off steering shaft, steering shaft lower bearing, lower bearing adapter, and steering shaft felt seal. See Figure 8-73.

12. Remove three screws and pull out shift tube assembly and felt seal. See Figure 8-74.

b. Reassembly

1. Reassembly reverse of disassembly procedures.

NOTE: When reassembling steering column cover be sure the cover is rotated to its full extent in a clockwise direction or the three phillips screws will not lock the cover to the mast jacket.

If the clamp on the steering shaft was loosened or removed, readjust dimension of upper end of

shaft to cover as shown in Figure 8-76.

8-21 DISASSEMBLY AND REASSEMBLY OF THREE SPEED SYNCHROMESH TRANSMISSION MAST JACKET AND TRANSMISSION CONTROL SHAFT ASSEMBLY

a. Disassembly

NOTE: The disassembly of the three speed synchromesh transmission mast jacket is similar to the disassembly procedures for automatic transmission mast jacket. To disassemble perform Steps 1 through 5, and 7 through 11 of paragraph 8-20, subparagraph "a", and proceed as follows:

1. Pull out shaft tube assembly and felt seal from upper end of mast jacket.

2. Lift out from lower end of mast jacket spring washer, 1st and reverse lever, spacer, and 2nd and 3rd lever. See Figure 8-75.

b. Reassembly

1. Reassemble reverse of disassembly procedures.

NOTE: When reassembling steering column cover be sure the cover is rotated to its full extent in a clockwise direction or the three phillips screws will not lock the cover to the mast jacket.

If the clamp on the steering shaft was loosened, readjust dimension of upper end of shaft to cover as shown in Figure 8-77.

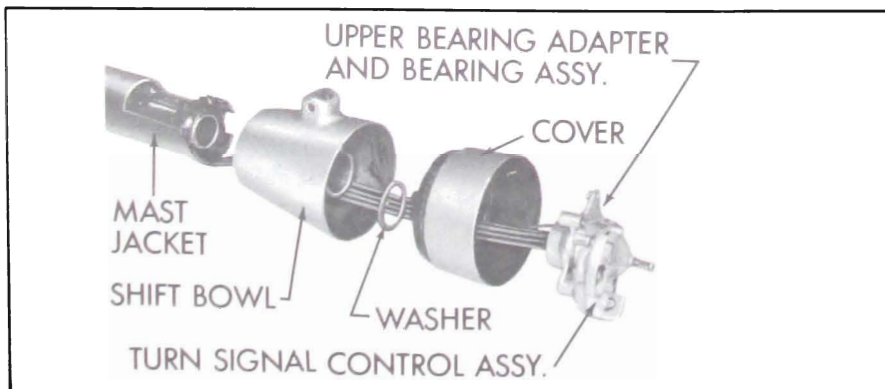


Figure 8-72—Disassembly of Upper Portion of Mast Jacket

8-22 DISASSEMBLY AND REASSEMBLY OF FOUR SPEED SYNCHROMESH TRANSMISSION ON MAST JACKET

a. Disassembly

1. Take out steering wheel (refer to par. 8-5), spring and turn signal cancelling cam. See Figure 8-69.

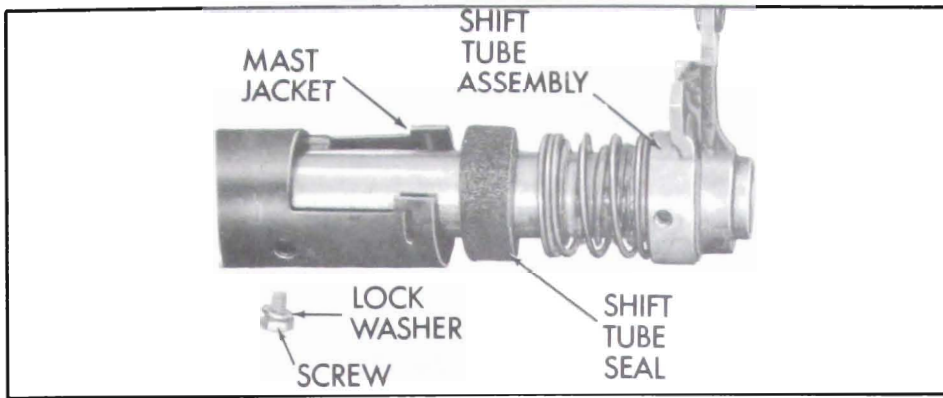


Figure 8-74—Removing Shift Tube and Felt Seal

2. Remove mast jacket assembly from car (refer to par. 8-19).
3. Remove clip holding mast jacket wiring cover to jacket and pull out cover.
4. Remove screw from directional signal lever and take out lever.
5. Remove three phillips screws on steering shaft upper bearing adapter.

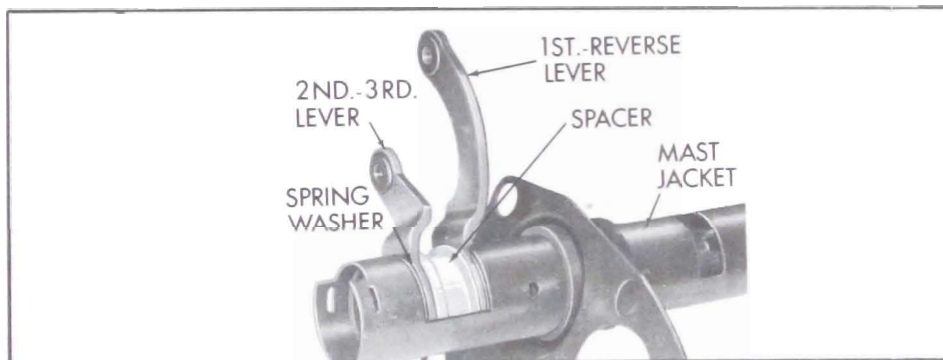


Figure 8-75—Removal of Shift Levers, Spacer, and Spring Washer

6. Twist steering column cover in a counterclockwise direction and lift out as a group: steering column cover, turn signal control assembly, steering shaft upper bearing and adapter, and extension cover.

7. Remove retainer from lower portion of mast jacket and slide out steering shaft, steering shaft lower bearing adapter and bearing, and seal.

b. Reassembly

1. Reassemble reverse of disassembly procedure.

NOTE: When reassembling steering column cover be sure the cover is rotated to its full extent in a clockwise direction or the three phillips screws will not lock the cover to the mast jacket.

If the clamp on the steering shaft was loosened, readjust dimension of upper end of shaft to cover as shown in Figure 8-78.

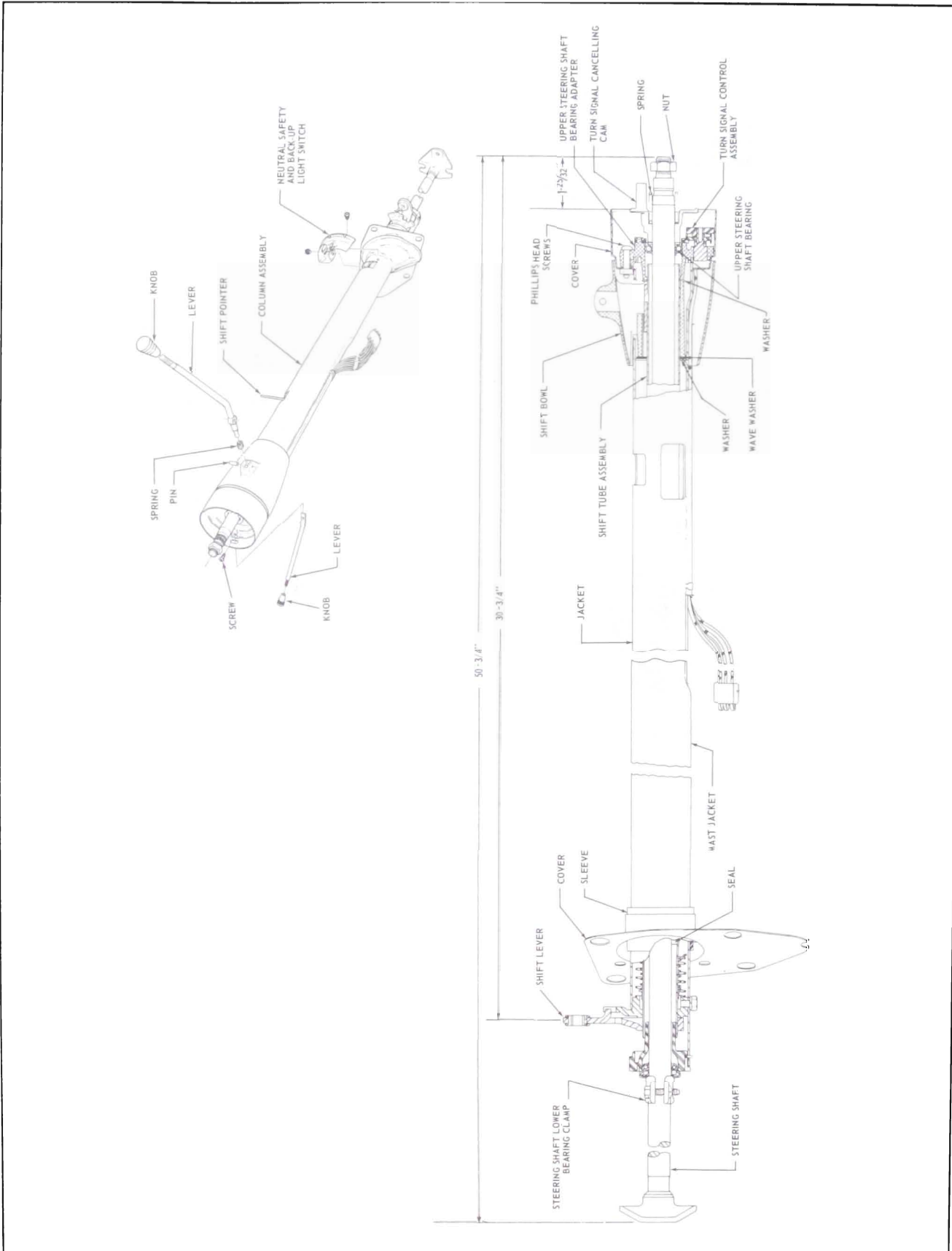


Figure 8-76—Mast Jacket and Transmission Control Shaft Assembly – Automatic Transmission

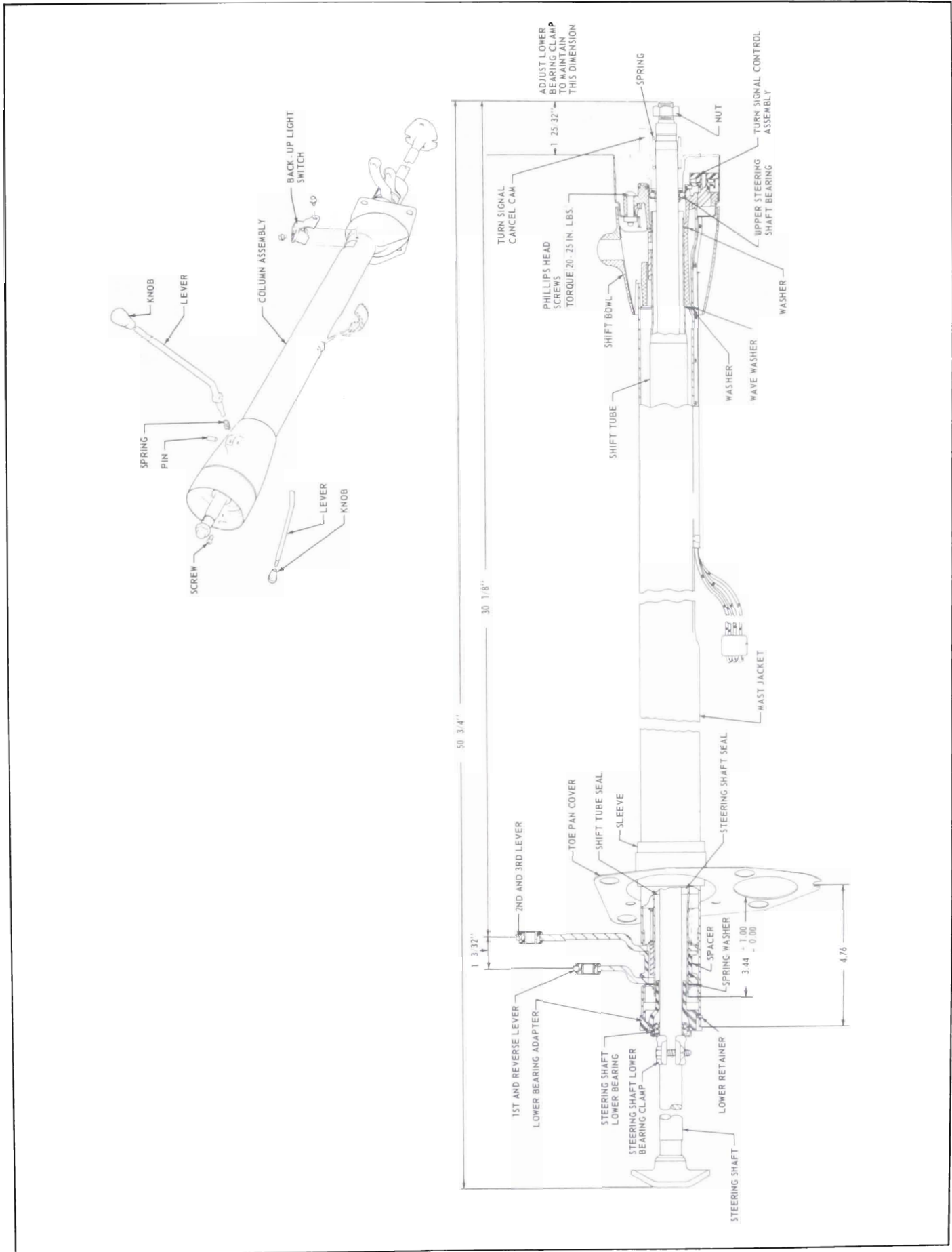


Figure 8-77—Mast Jacket and Transmission Control Shaft Assembly – Three Speed Synchromesh Transmission

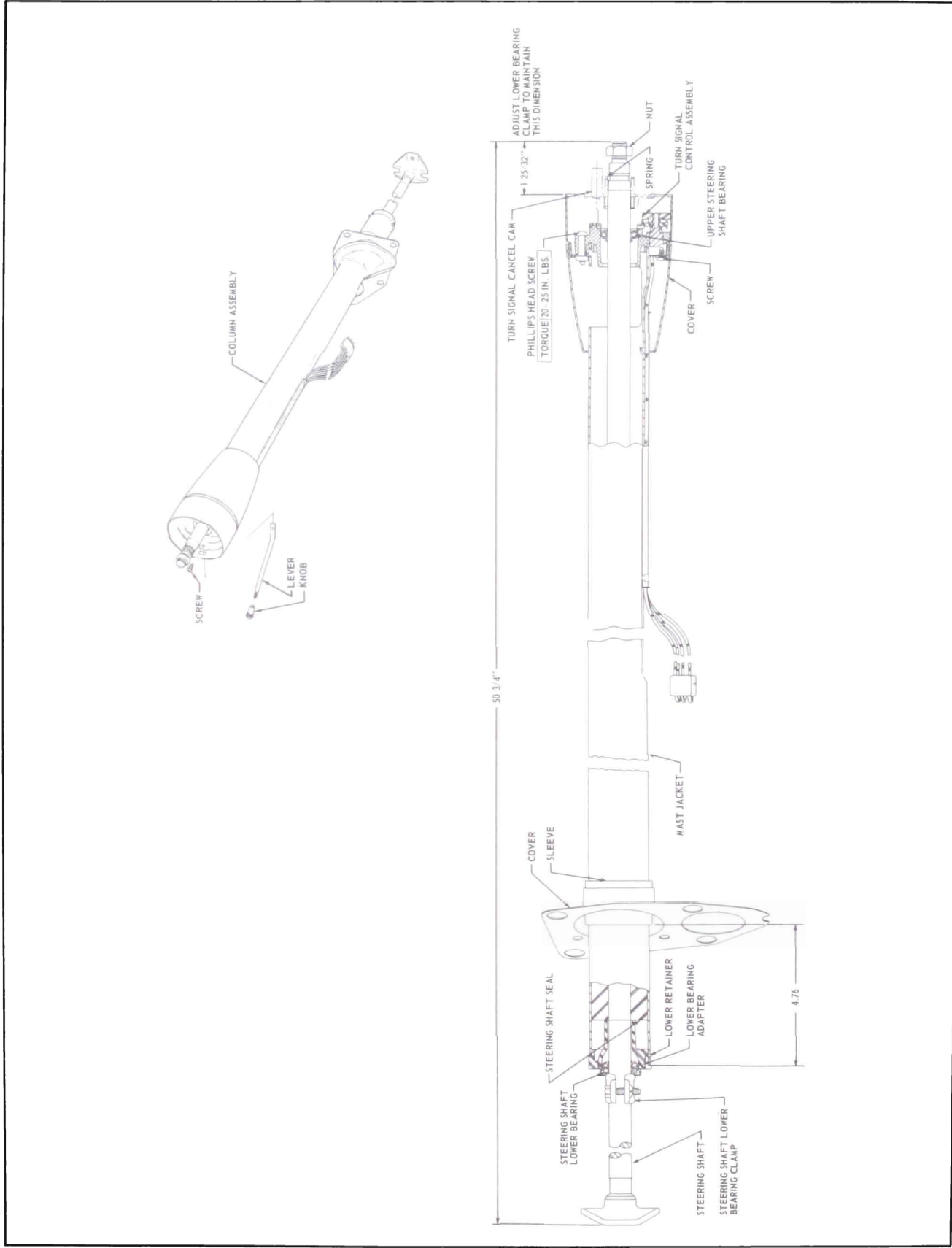


Figure 8-78—Mast Jacket Assembly - Four Speed Synchromesh Transmission