

Removal and Installation of Shift Tube and Steering Column Jacket

Job No.

26-15

I. Models 180, 180 D, and 220 a with 1st Version Bearing Assembly

Removal:

1. Disconnect the ground cable at the battery.
2. Disconnect the cables for the flash direction signals and for the horn at the cable connector on the wheel arch assembly.
3. Loosen and remove the upper clamping screw of the steering coupling. Unscrew the grub screw from the steering column jacket (Fig. 26-15/1).
4. Set the steering lock to the "garage" position to prevent the lock bolt from engaging in the steering tube and remove the ignition key. Pull the steering tube out of the steering coupling.
5. Disconnect the cables from the reversing light switch and screw the reversing light switch out of the bearing assembly. Remove the pressure pin, the stop sleeve and the bushing from the bearing assembly. The reversing light switch must be removed since the stop sleeve engages in the recess of the shift tube and this would make it difficult to remove the shift tube.
6. Detach the hand brake cable at the hand brake lever. Detach the gear shift linkage at the ball-heads of the shift levers after having removed the spring clips.
7. Remove the selector lever (2) and detach the spring-loaded ball connector (14) (Fig. 26-15/3).
8. Fold back the rubber and felt mats in the vehicle and unscrew all screws holding the steering column jacket to the cowl.
9. Loosen the tightening strap holding the steering column jacket to the steering column bracket. To do this loosen the hexagon nut until the tightening strap can be removed out of the steering column bracket by pushing it toward the front.
10. Turn the steering column jacket together with the gear shift mechanism slightly toward the left, push the bearing assembly downward and pull out the steering column jacket together with the gear shift mechanism and the bearing assembly. Pull the steering tube together with the steering wheel out of the steering column jacket.
11. Remove the selector lever with claw (1) from the selector lever shaft. Remove the relay lever (3) from the splines of the shift tube (Fig. 26-15/3). Remove the bearing

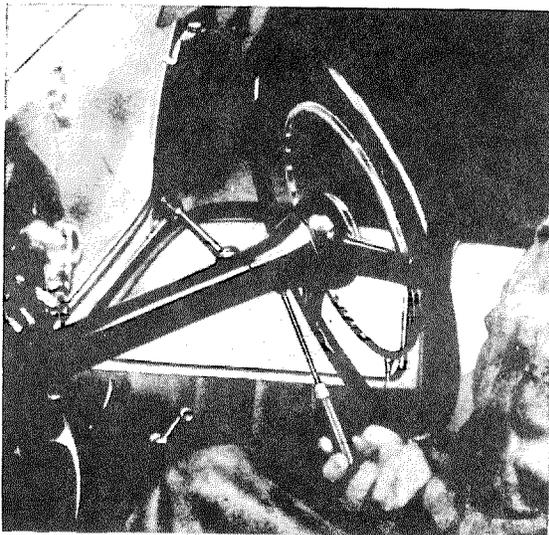


Fig. 26-15/1

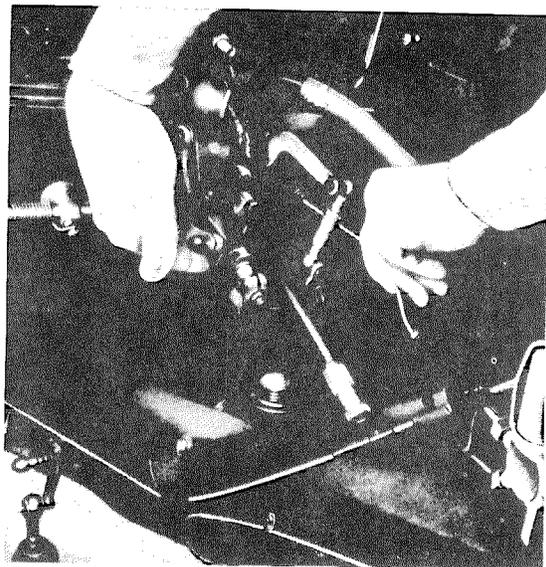


Fig. 26-15/2

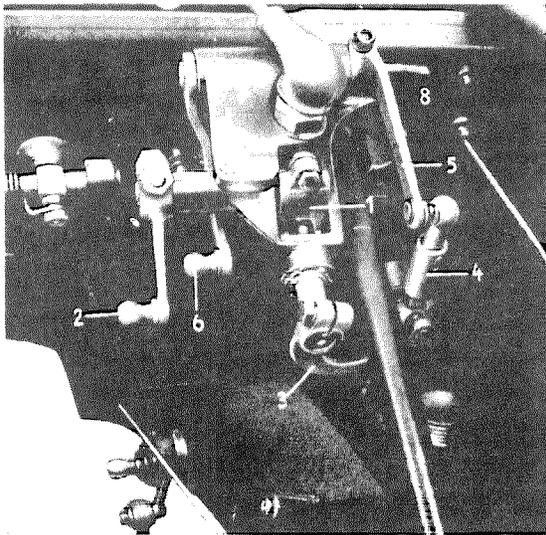


Fig. 26-15/3

- | | |
|----------------------------|----------------------------------|
| 1 Selector lever with claw | 6 Relay lever shaft with lever |
| 2 Selector lever | 7 Bearing assembly |
| 3 Lever | 8 Steering column jacket support |
| 4 Ball connector | |
| 5 Relay lever | |

assembly from the attaching plate of the steering column jacket by unscrewing the four fixing screws.

- Remove the shift tube and check. The procedures are the same as described for Model 190.

Installation:

- Install the shift tube in the steering column jacket.
- Put the rubber cuff on the attaching plate of the steering column jacket and fix the bearing assembly by means of the four hexagon screws. In order to prevent loosening of the bearing assembly use hexagon screws M 6 x 25 S together with castle nuts M 6 and cotter pins 2 x 15.
- Install the steering tube together with the steering wheel in the steering column jacket.
- Install the steering column jacket and

attach it to the cowl by means of the six hexagon screws. Insert the tightening strap in the steering column bracket and attach the steering column jacket to the steering column bracket by tightening the hexagon nut.

Make sure that the steering lock is in the "garage" position.

- Pull the cable through the cable guide tube of the steering assembly and install the steering tube in the steering coupling with the front wheels in the straight fore and aft position and the steering wheel in the center position. Use Center Check Screw 186 589 00 23 to check the center position of the steering assembly.
- Screw in the top clamping screw on the steering coupling and the grub screw on the steering column jacket.
- Put the selector lever with shifting claw (1) and the selector lever (2) on the selector lever shaft. Insert the relay lever (3) on the splines of the shift tube and fix it in position by means of the clamping screw. Attach the ball connector (4) and the shifting rods and fix them in position by means of the spring clips (Fig. 26-15/3).
- Install the reversing light switch and connect the cables. The pressure pin and the stop sleeve must slide easily in the bushing.
- Connect the cable for the flash direction signals and for the horn to the cable connector on the wheel arch assembly.
- Adjust the gear shift mechanism and check whether it is working properly (see Job No. 26-3).
- Attach the hand brake cable and adjust the hand brake.
- Connect the battery cable and check whether the horn and flash direction signals are working properly.

II. Models 180, 180 a, 180 D, 190 D, 219, 220 a, 220 S, and 220 SE with 2nd Version Bearing

Removal and installation procedures are the same as described for Model 190.

III. Models 180 b, 180 Db, and 190 Db

On these models the cables to the combined switch for the direction indicator and the headlight upper beam flash signal system must be disconnected at the cable connector. Further procedures are the same as described for Model 190.