

Removal and Installation of Shift Tube Guide Pin

Job-No.

26 — 11

Removal:

1. Remove the rubber cuff (22). Unscrew the cover cap (21) for the shift lever at the shift tube, using Special Wrench 187 589 01 01, and remove the shift lever (19) together with rubber cushion (20) (see Fig. 26 — 11/2).
2. Loosen and remove the upper clamping screw of the steering coupling.
Then screw out the grub screw in the steering column jacket (see Fig. 26 — 12/1).
3. Pull up the steering wheel together with the steering tube until the annular grooved bearing is above the upper edge of the steering column jacket so that the steering tube can be moved to the side (Fig. 26 — 11/1).

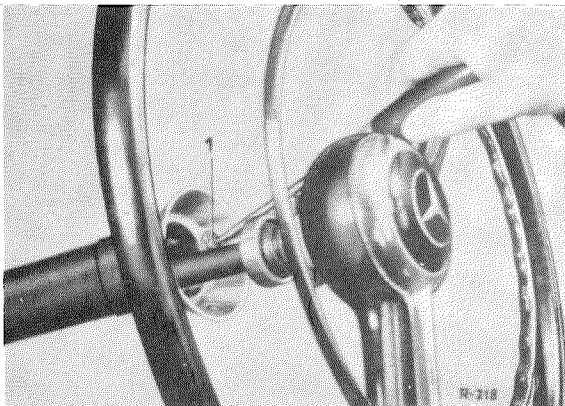


Fig. 26 — 11/1

4. Turn the guide pin (1) 180° with a screw driver (Fig. 26 — 11/1) and remove the snap ring together with the shim and the upper rubber ring (see Fig. 26 — 11/2).
5. Push the guide pin (15) down until it protrudes from the guide in the steering column jacket. Then press the guide pin in and remove it from inside the steering column jacket together with spring seat pin (14), pressure spring (13), and lower rubber ring (16) (see Fig. 26 — 11/2).

Installation:

6. Insert the lower rubber ring (16) in the steering column jacket. Smear the guide pin (15) together with spring seat pin (14) and pressure spring (13) with roller bearing grease and install them in such a way that the spot-faced bore of the guide pin points toward the inside of the steering column jacket (Fig. 26 — 11/2).

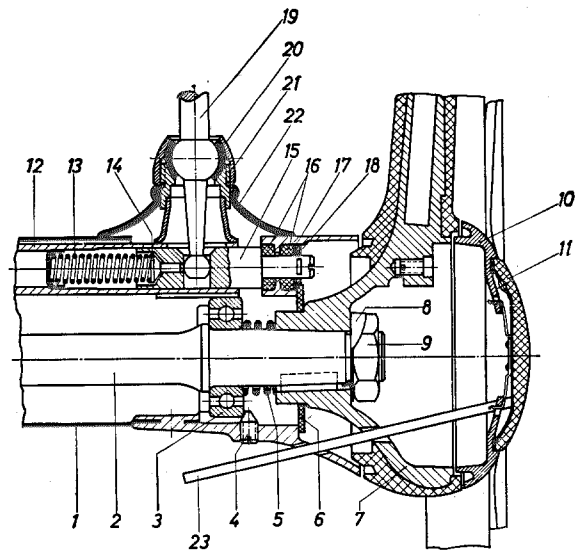


Fig. 26 — 11/2

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|-------------------------------------|--|
| 1 Steering column jacket | 13 Pressure spring for shift tube |
| 2 Steering tube | 14 Spring seat pin |
| 3 Annular grooved bearing | 15 Guide pin |
| 4 Grub screw | 16 Rubber ring |
| 5 Pressure spring for steering tube | 17 Shim |
| 6 Rubber washer | 18 Snap ring |
| 7 Steering wheel | 19 Shift lever |
| 8 Locking plate | 20 Rubber cushion |
| 9 Hexagon nut | 21 Cover cap |
| 10 Horn ring | 22 Rubber cuff |
| 11 Trademark plate | 23 Welding rod (3 mm thick) to press off the trademark plate |
| 12 Shift tube | |

7. Press the guide pin downward and insert the recessed end of the guide pin into the bore of the steering column jacket.
8. Install the upper rubber ring (16) and the shim (17).
9. Insert a rod in the shift lever bore of the guide pin (15) and press the guide pin (15) upward until the snap ring (18) can be installed. Install the snap ring (18) and turn

the guide pin (15) 180° by means of a screw driver.

The spot-faced bore of the guide pin should now point toward the outside of the steering column jacket (see Fig. 26 — 11/2).

10. Rub talc into the inside and outside of the rubber cushion (20) and slide the rubber cushion into the shift lever mounting. Insert the shift lever (19) into the shift tube and the guide pin. Tighten the cover cap by means of Special Wrench 187 589 01 01 and slide on the rubber cuff (22) (see Fig. 26 — 11/2).
11. Insert the steering tube into the steering coupling with the front wheels in a straight fore and aft position, making sure that the steering wheel is also in the center position.

Install the upper clamping screw of the steering coupling and install the grub screw (4) for the steering column jacket and tighten them up (see Fig. 26 — 11/2).

Note: If necessary, replace clamping screw, nut, and lock washer. Only specified clamping screws may be used to fix the steering coupling to the steering tube.

These screws should be so tightened that the steering coupling is firmly seated on the steering worm and on the steering tube. Excessive tightening should be avoided in order to prevent the screws from being stretched and from snapping.

12. Adjust the gearshift mechanism (see Job No. 26 — 3).