

Removal and Installation of Brake Pedal

Job-No.

29 — 10

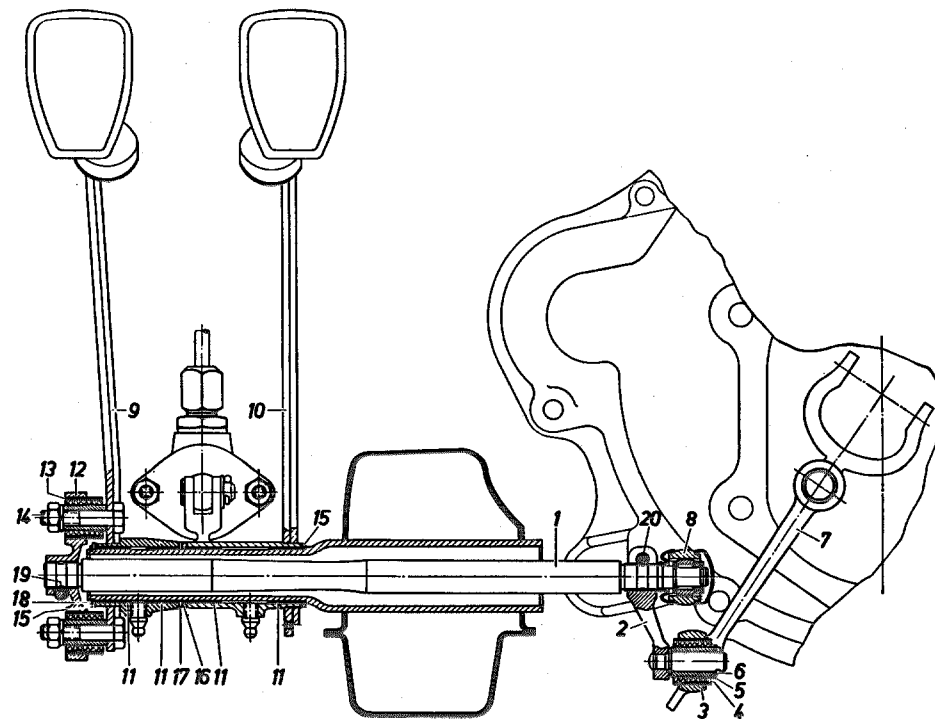


Fig. 29 — 10/1

- | | |
|------------------|------------------|
| 1 Pedal shaft | 11 Bushing |
| 2 Lever and bolt | 12 Flange |
| 3 Pull rod end | 13 Buffer |
| 4 Buffer | 14 Hexagon screw |
| 5 Washer | 15 Washer |
| 6 Cotter pin | 16 Washer |
| 7 Throw-out fork | 17 Lock Washer |
| 8 Swivel support | 18 Snap ring |
| 9 Clutch pedal | 19 Clamp screw |
| 10 Brake pedal | 20 Clamp screw |

Removal:

1. Unscrew the protective plate for the pedal system.
2. Remove the hexagon screws for the shanks (15) at the clutch and brake pedals and remove both shanks. Remember the washer and the sealing ring (see Fig. 29 — 3/1).
3. Remove the two hexagon nuts (14) at the clutch pedal (9) together with the lock washers (see Fig. 29 — 10/1).
4. Remove the clamp screw (19) at the flange (12) of the pedal shaft (1) and remove the

flange from the clutch pedal shaft (see Fig. 29 — 10/1).

Note: Mark the relative position of flange and pedal shaft.

5. Remove the snap ring (18) and washer (15) from the mounting tube and pull off the clutch pedal.
6. Remove the lock washer (17) and the washer (16) from the mounting tube.
7. Unhook the return spring from the brake pedal.

Pull out the cotter pin from the collar pin of the brake pedal and the push rod and press out the collar pin.

8. Remove the brake pedal from the mounting tube.

Checking:

9. Check the bearing bushings (11) in the brake pedal for wear. Worn bushings must be replaced. The bushings are pressed into the brake pedal bore with an oversize of 0.02 to 0.06 mm.

After new bushings have been pressed in, the bore must be reamed to the finished size.

Internal diameter of bearing bushings after reaming (finished size): 27.040—27.073 mm.

Installation:

10. Install the brake pedal on the mounting tube; do not forget the rear washer (15) (see Fig. 29 — 10/1).
11. Insert the push rod of the brake master cylinder in the eye at the brake pedal. Push the collar pin through the eye of the brake pedal and through the pressure pin. Install the washer on the collar pin and lock the pin by means of the cotter pin. Attach the return spring to the brake pedal.

12. Install the washer (16) and the lock washer (17).

13. Install the clutch pedal on the mounting tube. Install the washer (15) in front and the snap ring (18).

Note: The clutch pedal should have as little end play as possible. If there is too much play it is possible to install a second lock washer (17) between clutch pedal and brake pedal.

14. Install the flange on the pedal shaft and fasten by means of the hexagon screw; check with the markings made on removal.

15. Screw the flange to the clutch pedal.

16. Insert the two shanks into the clutch and brake pedals and screw down. Between the pedals and the toeboard there is a washer and a rubber washer on each shank.

17. Check the free play of the brake and clutch pedals, and if necessary correct (see Job No. 29 — 3 and Job No. 42 — 3).

18. Grease the brake and clutch pedals.

19. Install the protective plate for the pedal system.