

# Removal and Installation of Control Shaft

Job-No.

30 — 1

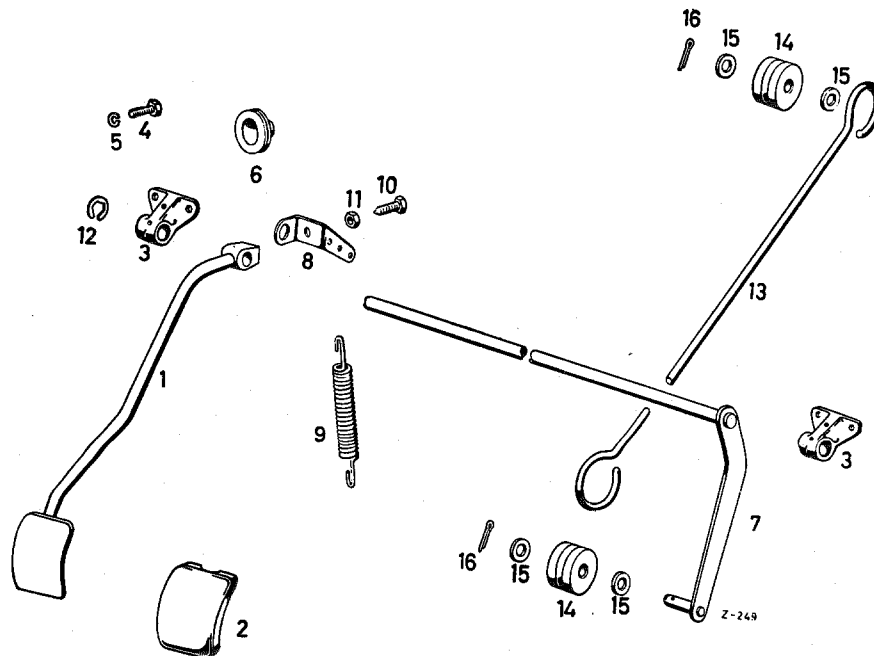


Fig. 30 — 1/1

- |                         |                            |
|-------------------------|----------------------------|
| 1 Accelerator pedal     | 9 Return spring            |
| 2 Pad with fabric layer | 10 Fixing bolt             |
| 3 Bearing               | 11 Lock nut of fixing bolt |
| 4 Hexagon screw         | 12 Retaining ring          |
| 5 Lock washer           | 13 Push rod                |
| 6 Rubber grommet        | 14 Damper ring             |
| 7 Control shaft         | 15 Washer                  |
| 8 Return spring lever   | 16 Cotter pin              |
- } for bearing at toeboard

## Removal:

1. Pull the cotter pin (16) out of the lever of the control shaft (7) and pull the push rod (13), together with the damper ring (14) and the washers (15), off the lever of the control shaft (7) (see Fig. 30 — 1/1).

**Note:** On recent models, the washers (15) and the cotter pin (16) are no longer used. The bolt riveted to the control shaft lever takes the form of a button bolt.

Where this new design is used, the damper ring can simply be pulled off.

2. Detach the return spring (9).

3. Pull the retaining ring (12) off the control shaft (7).
4. Loosen the hexagon nut (11) of the fixing bolt (10) for the accelerator pedal and screw out the fixing bolt.
5. Unscrew the bracket for the flexible drive shaft of the speedometer from the right bearing (3).
6. Unscrew the two hexagon screws of the right bearing (3). Then pull out the control shaft (7) from the left bearing (3) and the accelerator pedal and remove, together with the right bearing.

**Note:** The left bearing (3) for the control shaft should only be removed if the bearing is worn and has to be replaced.

7. Remove the right bearing from the control shaft (7).

**Installation:**

8. Slide the right bearing (3) onto the control shaft (7). Then slide the control shaft toward the left through the accelerator pedal (1) and the lever (8) and insert the control shaft in the bearing (3) (see Fig. 30 — 1/1).
9. Attach the right bearing (3) to the toeboard by means of two hexagon screws. Do not omit the lock washers!
10. Install the retaining ring (12) on the control shaft (7).
11. Turn the control shaft (7) until the locating center is visible through the bore in the

accelerator pedal. Hold the shaft in this position (see Fig. 30 — 1/1).

12. Insert the fixing bolt (10) through the lever (8) and screw it into the accelerator pedal (1). Then tighten the hexagon nut (11).

13. Attach the return spring (9).

**Note:** According to the pedal force required, the return spring can be attached in any one of the three bores in the bracket (8).

14. Slide the washers (15), the damper ring (14), and the push rod (13) onto the lever of the control shaft (7) and cotter (see Fig. 30 — 1/1) or, on the new version with button bolt without washers and cotter pin, push on the damper ring.
15. Screw the bracket for the flexible drive shaft of the speedometer to the right bearing (3).
16. Check the position of the accelerator pedal and correct if necessary (see Job No. 30—3).