

# Ratchet and Brake Lever of Pistol-Grip Hand Brake

Job No.

42—18

## A. Removal and Installation of Hand Brake Ratchet

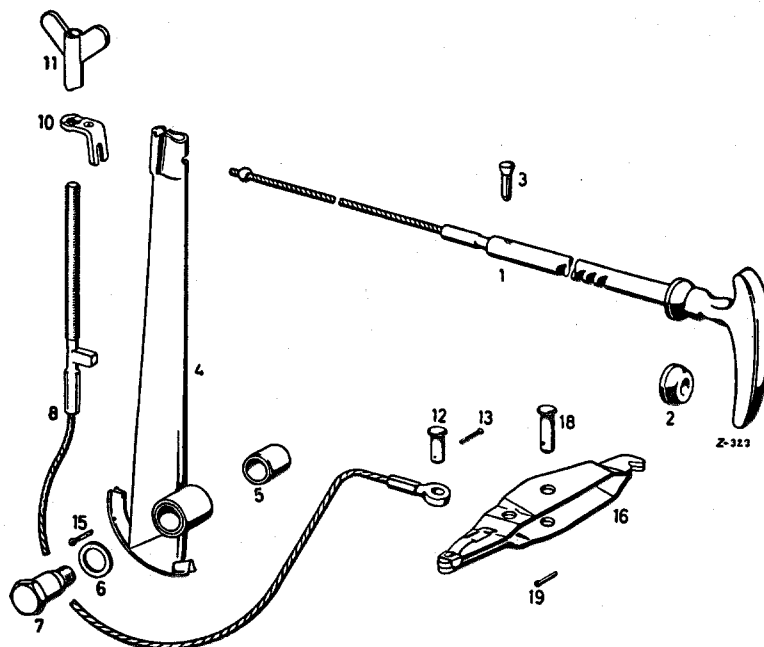


Fig. 42—18/1

1 Ratchet assembly  
2 Rubber stop ring  
3 Guide pin  
4 Brake lever assembly  
5 Bushing  
6 Washer  
7 Pivot pin  
8 Center brake cable

10 Bracket  
11 Wing nut  
12 Bolt 8 x 18 x 15  
13 Cotter pin 2 x 12  
15 Cotter pin 1.5 x 12  
16 Equalizer  
18 Bolt 8 x 25 x 20  
19 Cotter pin 2 x 12

### Removal:

1. Unscrew the wing nut (11) from the center brake cable (8) and remove together with bracket (10) (Fig. 42—18/1).
2. Detach the front brake cable from the brake lever (4).
3. Push the ratchet (1) right to the front (in the direction of travel). Then use a drift to tap the guide pin (3) out of the ratchet from below through the bore in the guide tube.

4. Pull the ratchet (1) out of the guide tube together with the front brake cable.

### Installation:

5. Lightly grease the ratchet (1) with vaseline.
6. Use a screw driver to push the pawl at the guide tube aside.
7. Then insert the ratchet (1) in the guide tube, at the same time guiding the cable through the rubber sleeve of the steering column jacket.

8. Drive the guide pin (3) into the ratchet (1) from above.
9. Attach the front brake cable to the brake lever (4) and insert the center brake cable (8) with the guide lug and the threaded bolt of the brake cable in the brake lever (4). Then install the bracket (10) and screw on the wing nut (11).
10. Adjust the hand brake (see Job No. 42 — 19, Section C).

## **B. Removal and Installation of Hand Brake Lever**

### **Removal:**

1. Unscrew the wing nut (11) from the center brake cable (8) and remove together with the bracket (10) (see Fig. 42 — 18/1).
2. Detach the front brake cable from the brake lever (4).
3. Pull the cotter pin (15) out of the cable guide of the brake lever (4) and remove the center brake cable from the brake lever (4).
4. Unscrew the pivot pin (7) for the brake lever (4). Caution! Left-hand thread.
5. Remove the brake lever (4).

### **Installation:**

6. Slide the washer (6) onto the pivot pin (7) and coat the pivot pin with grease. Screw the brake lever (4) to the chassis base panel fork by means of the pivot pin.
7. Attach the front brake cable (1) to the brake lever (4).
8. Insert the center brake cable (8) in the brake lever (4), install the bracket (10) and screw on the wing nut (11).
9. Install the cotter pin (15) at the guide plate of the brake lever (4).
10. Adjust the hand brake (see Job No. 42 — 19, Section C).