

Removal and Installation of Rear Brake Cylinder

Job No.

42—6

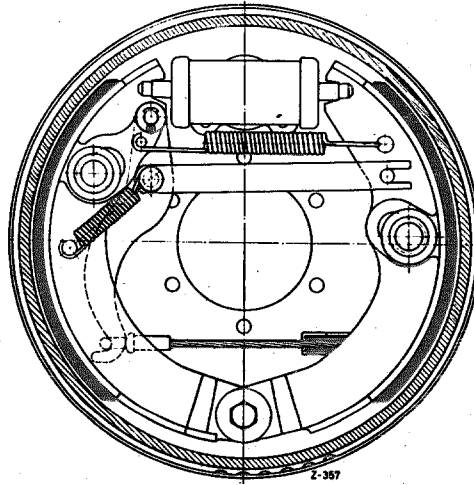


Fig. 42—6/1

Rear wheel brake left

a) 1" ϕ brake wheel cylinder

Removal

1. Remove the hub cap and loosen the wheel nuts.
Jack up the car, remove the wheel, and remove the brake drum by means of the three puller screws 191 589 00 35.
2. Use a sturdy screw driver to force the brake shoes outward as far as they will go and remove the two retaining pins from the brake wheel cylinder.
3. Screw out the hollow screw fastening the brake line to the brake wheel cylinder.
4. Screw out the two 8 mm fixing screws from the brake wheel cylinder and pull out the brake wheel cylinder from the brake anchor plate.

Installation

5. Fasten the brake wheel cylinder to the brake anchor plate by screwing in the two fixing screws. Use new lock washers. Make

sure that the fixing screws are tightened evenly.

6. Attach the brake line to the brake wheel cylinder by installing the hollow screw together with **new copper gaskets**.
7. Insert the two retaining-pins in the brake wheel cylinder.
8. Use a sturdy screw driver to force the brake shoes inward; make sure that the retaining pins are properly seated in the brake shoes.
9. Install the brake drum and the wheel. Jack down the car, retighten the wheel nuts and press the hub cap home.
10. Bleed the brake system (see Job No. 42—1).
11. Before starting the car depress the brake pedal several times, so that the brake shoes can adjust themselves and make contact with the brake drums.

Note: Never omit this procedure; there can be no brake action until the brake shoes have adjusted themselves.

b) New $1\frac{5}{16}$ " ϕ brake wheel cylinders and modified brake line connection

On recent models the rear brake wheel cylinders have been reduced in diameter from 1" to $1\frac{5}{16}$ ". This reduction prevents premature blocking of the rear wheels under emergency braking conditions.

In conjunction with this reduction in diameter of the rear brake wheel cylinders the brake line connection to the brake wheel cylinder has been modified. The hollow screw used previously has been superseded and the brake line (3) is screwed into the brake cylinder (1) directly by means of a cap screw (2) (Fig. 42 — 6/2). The brake lines have been modified accordingly.

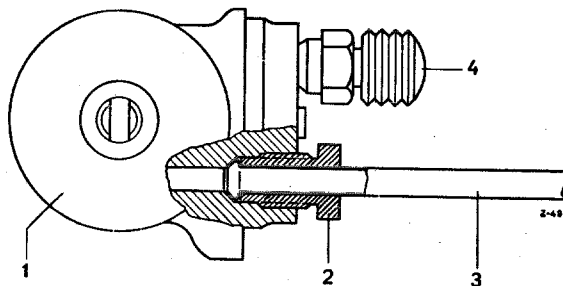


Fig. 42 — 6/2

- 1 Brake wheel cylinder
- 2 Cap screw
- 3 Brake line
- 4 Rubber cap of bleed screw

If brake wheel cylinders with a diameter of $1\frac{5}{16}$ " are subsequently built in, the hollow screws (Part No. 000 428 07 26) must be shortened by 2.5 mm because the thread in the new brake wheel cylinders is shorter than that of the previous 1" ϕ brake wheel cylinders. A full-length hollow screw would not produce a sufficiently tight connection. (Length of previous hollow screw 20 mm, length of shortened hollow screw 17.5 mm.)

For reasons of safety $1\frac{5}{16}$ " ϕ brake wheel cylinders are supplied for subsequent installation only together with shortened hollow screws.