

Removal and Installation of Front Wheel Brake Cylinder

Job No.

42 — 5

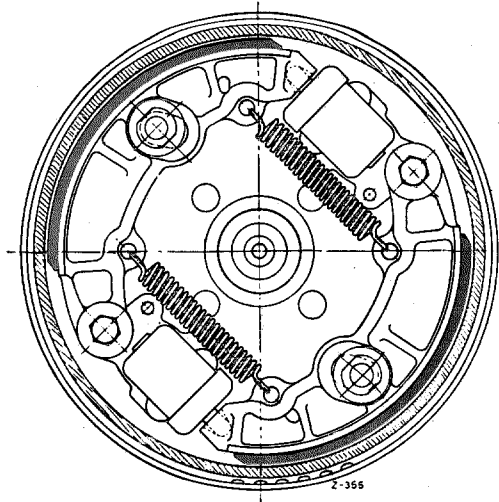


Fig. 42 — 5/1

Front wheel brake left

Removal

1. Remove the brake shoes (see Job No.42—8, paragraph 1—8).
2. Unscrew the two hexagon screws attaching the brake line and connector to the brake anchor plate and unscrew the hollow screws from the brake wheel cylinders; remove the brake lines. Attention must be paid to the rubber pad (1) between the brake lines and the brake anchor plate.

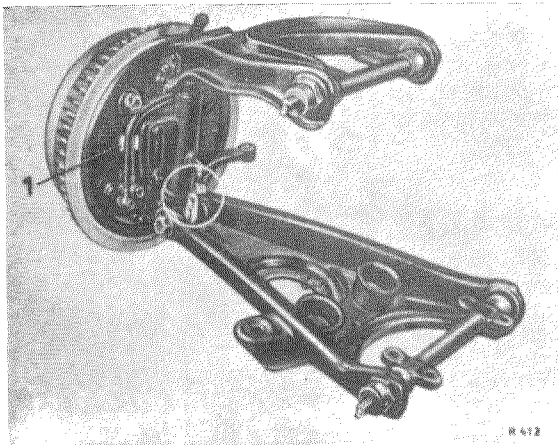


Fig. 42 — 5/2

1 Rubber pad

3. Unscrew the hexagon nut (2) of the anchor pin (7) of the brake shoe suspension as well as the three 8 mm fixing screws (5) of the brake cylinder and pull out the brake wheel cylinder (14) together with anchor pin from the brake anchor plate (1) (Fig. 42 — 5/3).

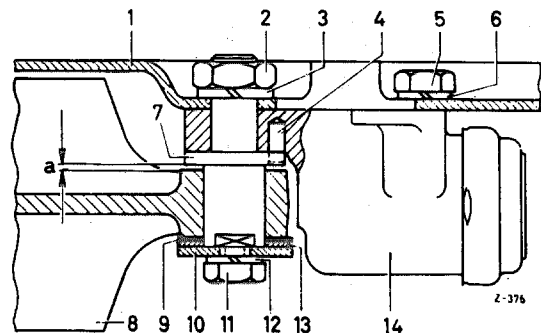


Fig. 42 — 5/3

Front wheel brake shoe suspension

- | | |
|----------------------|-------------------------------|
| 1 Brake anchor plate | 9 Shim |
| 2 Hexagon nut | 10 Washer |
| 3 Lock washer | 11 Hexagon screw |
| 4 Notched pin | 12 Lock washer |
| 5 Hexagon screw | 13 Washer |
| 6 Lock washer | 14 Brake wheel cylinder |
| 7 Anchor pin | a clearance between anchor |
| 8 Brake shoe | pin collar and brake shoe eye |

4. If necessary drive out the anchor pin (7) from the brake wheel cylinder bore (14) (Fig. 42 — 5/3).

Installation

5. If previously removed, drive the notched pin (4) into the bore of the brake wheel cylinder (14) and press the anchor pin (7) into the brake wheel cylinder (14) in such a way that the recess of the anchor pin (7) engages the notched pin (4) (see Fig. 42 — 5/3).
6. Install the brake wheel cylinder (14) together with anchor pin (7) into the brake anchor plate (1) and fasten by means of the three fixing screws (5) and the hexagon nut (2). Use new lock washers (see Fig. 42 — 5/3). Make sure that the fixing screws are tightened evenly.
7. Attach the brake line (45) between the two brake wheel cylinders by means of the two hollow screws (46), using **new copper gaskets (47)** A 10 × 14 DIN 7603 (Fig. 42 — 5/4). Insert the rubber pad (1) which serves to damp the vibrations of the brake lines (see Fig. 42 — 5/2).
8. Attach the lower part of the brake line (40) to the brake wheel cylinder by means of a hollow screw (46) and a new copper gasket, and the upper part to the brake anchor plate by means of two hexagon screws and hexagon nuts and lock washers.

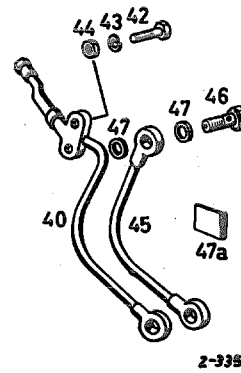


Fig. 42 — 5/4

- 40 Brake line left from distributor fitting to the brake cylinder below
- 42 Hexagon screw
- 43 Lock washer
- 44 Hexagon nut
- 45 Brake line between the two brake wheel cylinders
- 46 Hollow screw
- 47 Gasket
- 47a Rubber pad

Note: Care should be used in tightening the hollow screws in order to avoid distorting the brake lines.

9. Install the brake shoes (see Job No. 42 — 8, paragraphs 16—27).
10. Bleed the brake system (see Job No. 42 — 1).