

Disassembly and Reassembly of Brake Wheel Cylinders

Job No.

42—7

A. Front Brake Wheel Cylinder

Disassembly:

1. Unscrew the bleed screw from the brake wheel cylinder.
2. Remove the actuating pin (8), the metal boot (6), and the rubber boot (7) (Fig. 42—7/1).

Then remove the piston (5), the cup (4), the cup expander (3), and the stop spring (2) from the brake wheel cylinder housing.

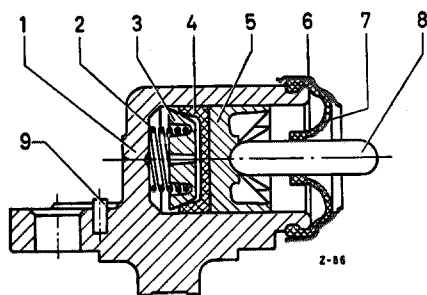


Fig. 42—7/1

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|------------------------|-----------------|
| 1 Brake wheel cylinder | 6 Metal boot |
| 2 Stop spring | 7 Rubber boot |
| 3 Piston cup expander | 8 Actuating pin |
| 4 Piston cup | 9 Notched pin |
| 5 Piston | |

3. Thoroughly clean all parts with brake fluid or alcohol.

Checking:

4. Check the brake wheel cylinder bore for wear, scoring, and rust. Scored or rusty brake wheel cylinders must be replaced.

The permissible diameter for the bore of the front brake wheel cylinder ($1\frac{1}{8}$ " ϕ) is 28.570—28.672 mm.

The maximum permissible conicity of the bore is 0.03 mm.

5. Check the piston for scoring and wear. The permissible diameter of the piston is

28.505—28.422 mm

Note: The permissible clearance between piston and bore is 0.065—0.25 mm.

Reassembly:

6. The bore in the brake wheel cylinder, the piston, and a new cup should be lightly coated with brake fluid or ATE blue brake paste.

Note: Use the brake paste sparingly.

When reassembling the brake wheel cylinder, always use new cups and new rubber boots.

7. Slide the stop spring (2), the cup expander (3), a new cup (4), and the piston (5) into the bore of the brake wheel cylinder (1).

Press on the rubber boot (7) and the metal boot (6); then install the actuating pin (8) (see Fig. 42—7/1).

Note: In order to prevent the piston and the cup from falling out after reassembly, it is advisable to put a Piston Clamp 120 589 03 31 on the brake wheel cylinder (see Fig. 42—7/3).