

Component Procedures: Wheel Cylinder

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Component Procedures: Wheel Cylinder

Parts and Labor (itype_189)

Parts

Qualifier	Part #	Name	Price	Note
Hydraulic System > Rear Brak?	4423601	Wheel Cylinder Assembly	57.60	
Hydraulic System > Rear Brak?	4313056	Wheel Cylinder Assembly	0.00	
Wheel Cylinder Overhaul Kit ?	5252630	Wheel Cylinder Repair ?	0.00	
Wheel Cylinder Overhaul Kit ?	5252631	Wheel Cylinder Repair ?	0.00	

Wheel Cylinder Removal and Installation (Article 2026021)

REMOVAL

1. Remove wheel and tire assembly.
2. Remove
brake drum
.
3. Remove
wheel cylinder
brake line
4. Remove
brake shoe
return springs and move shoes out of engagement with cylinder push rods.
5. Remove cylinder attaching bolts and remove cylinder from
support plate

INSTALLATION

1. Apply bead of silicone sealer around cylinder mounting surface of support plate.
2. Install cylinder mounting bolts and tighten to
10 Nm (7 ft. lbs.)
3. Install brake line to cylinder and tighten to
16 Nm (12 ft. lbs.)
4. Install brake shoe return spring.
5. Install brake drum.
6. Install wheel and tire assembly.
7. Bleed base brake system.

Cleaning and Inspection (Article 2026023)

CLEANING

Clean the cylinder and pistons with clean
brake fluid
or brake cleaner only. Do not use any other cleaning agents.
Dry the cylinder and pistons with compressed air. Do not use rags or shop towels to dry the cylinder
components. Lint from cloth material will adhere to the cylinder bores and pistons.

INSPECTION

Inspect the cylinder bore. Light discoloration and dark stains in the bore are normal and will not impair
cylinder operation.
The cylinder bore can be lightly polished but only with crocus cloth. Replace the cylinder if the bore is
scored, pitted or heavily corroded. Honing the bore to restore the surface is not recommended.
Inspect the cylinder pistons. The piston surfaces should be smooth and free of scratches, scoring and
corrosion. Replace the pistons if worn, scored, or corroded. Do attempt to restore the surface by sanding or
polishing.
Discard the old piston cups and the spring and expander. These parts are not reusable. The original dust boots
may be reused but only if they are in good condition.

Wheel Cylinder Overhaul (Article 2026022)

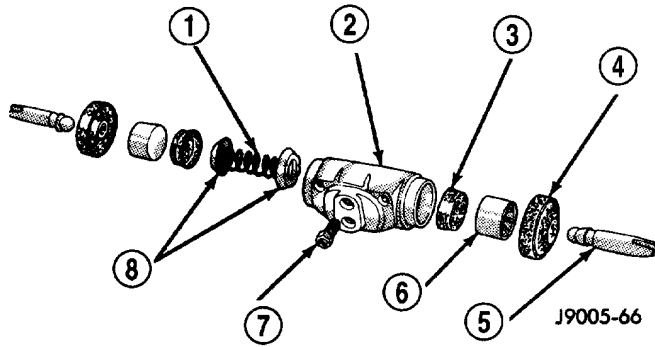


Fig. 55 Wheel Cylinder Components—Typical

- 1 - SPRING
- 2 - CYLINDER
- 3 - PISTON CLIP
- 4 - BOOT
- 5 - PUSH ROD
- 6 - PISTON
- 7 - BLEED SCREW
- 8 - CUP EXPANDERS

Tightening Specifications (Article 2025240)

Mounting Bolts 84 in.lb