

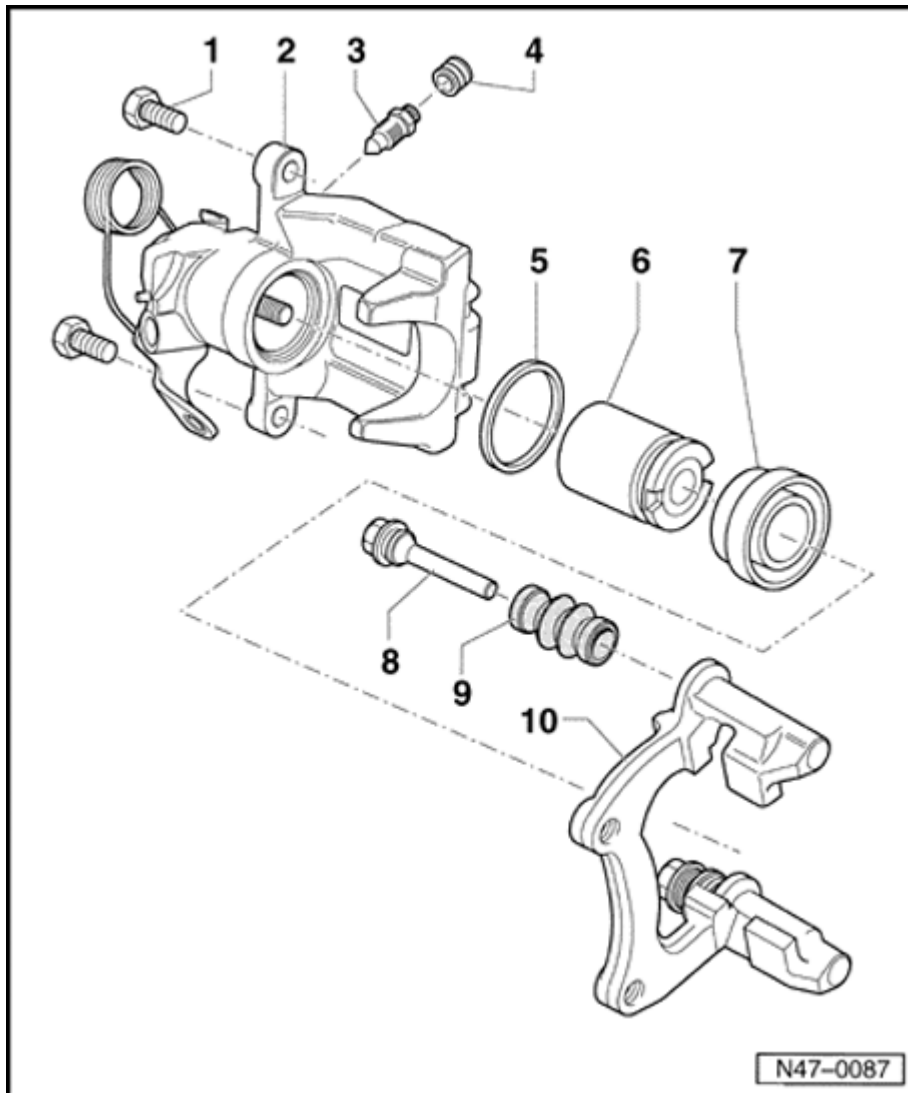
Rear brake caliper, servicing

Notes:

- ◆ Install all parts supplied in repair kit.
- ◆ Only use appropriate solvents for cleaning to clean brake parts.
- ◆ New brake calipers are filled with brake fluid and pre-bled.
- ◆ Apply a thin coat of paste G 052 150 A2 to brake cylinders, pistons and seals.
- ◆ When carrying out repairs it is essential to pre-bleed the brake calipers (without brake pads) before installing in the vehicle ⇒ [Page 47-33](#)

1 - Self-locking bolts, 35 Nm

- ◆ Always replace
- ◆ When loosening and tightening counter-hold on guide pin



2 - Brake caliper housing with parking brake cable lever

- ◆ Replace if leaking at the parking brake cable lever
- ◆ Pre-bleed caliper housing after repairing ⇒ [Page 47-33](#)

3 - Bleed valve

- ◆ Apply a thin coat of assembly paste G 052 150 A2 to threads before screwing in

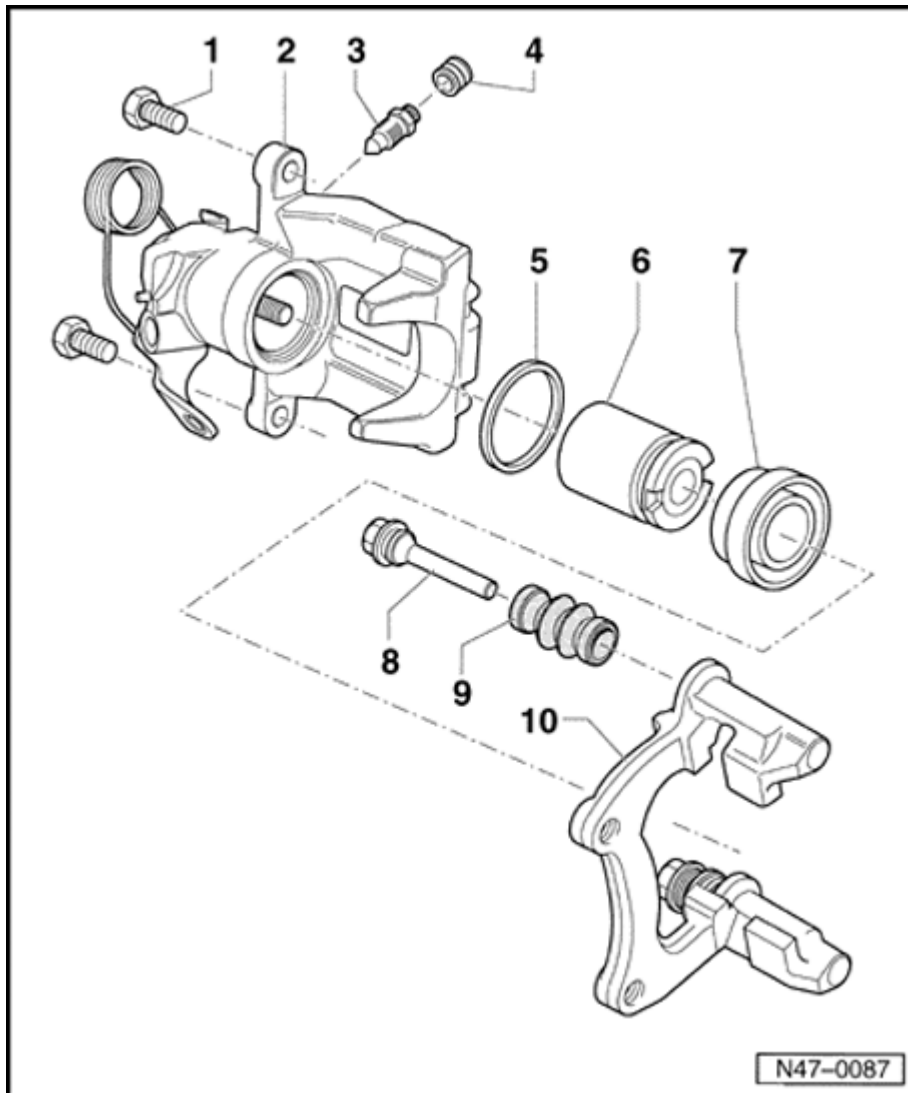
4 - Dust cap

5 - Sealing ring

- ◆ Removing and installing ⇒ [Page 47-30](#)

6 - Piston with automatic adjustment

- ◆ Removing and installing ⇒ [Page 47-30](#)
- ◆ Apply a thin coat of paste G 052 150 A2 to piston before installing



7 - Protective seal

- ◆ Pull outer sealing lip onto piston

8 - Guide pins

- ◆ Grease before pulling on protective cap

9 - Protective cap

- ◆ Pull onto brake carrier and guide pin

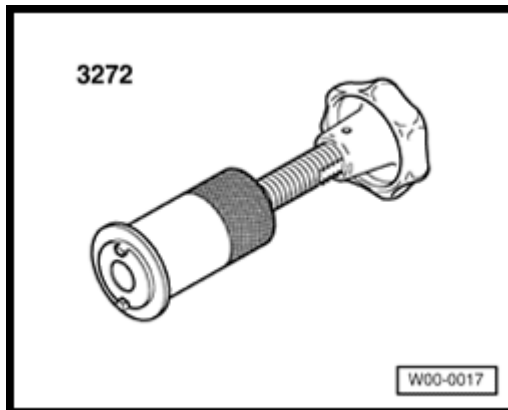
10 - Brake carrier with guide pin and protective cap

- ◆ Supplied as assembled replacement part, with sufficient grease on guide pins
- ◆ If protective caps or guide pins are damaged, install repair kit. Use grease packet supplied to lubricate the guide pins.

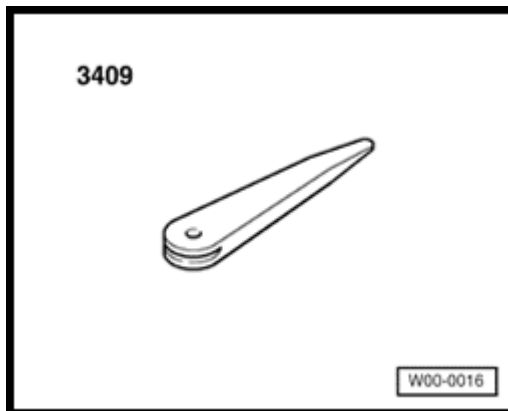


Rear brake caliper piston, removing and installing

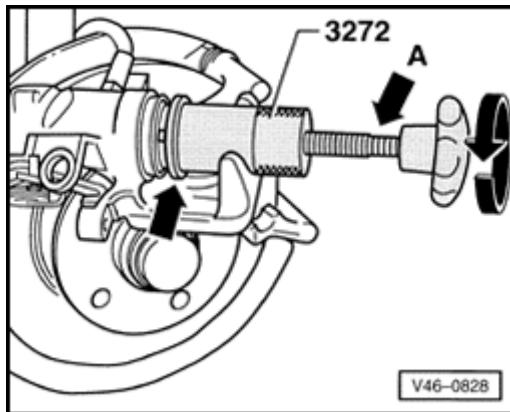
Special tools and workshop equipment required



- ◆ 3272 Reset and screwout tool
- ◆ 3272/1 Reset and screwout tool plate



- ◆ 3409 Wedge
- ◆ Bleeder bottle

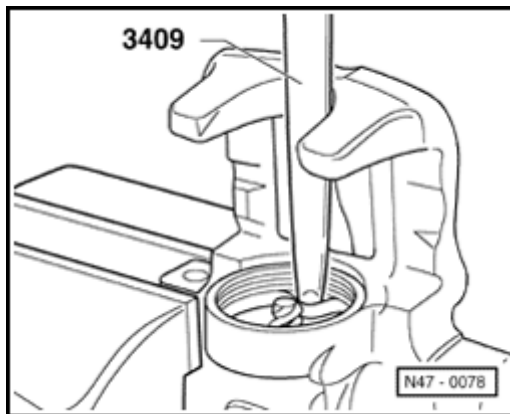


Removing

- A** - Screw piston out of brake caliper housing by turning the knurled wheel counter clockwise.

Notes:

- ◆ Install special tool 3272 so that the collar (arrow) is before the piston.
- ◆ For pistons that are difficult to move, use open-end wrench (use 13 mm) on the flats (arrow A) provided for this purpose.



- A** - Remove seal using wedge 3409.

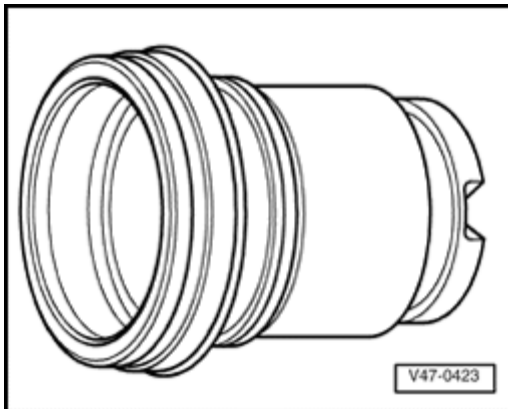
Note:

When removing make sure that the surface of the cylinder is not damaged.



Installing

- Clean surfaces of the piston and seal (use only appropriate solvent) then dry.
- Apply a thin coat of paste G 052 150 A2 to piston and seal before installing.
- Install oil seal in brake caliper housing.

**A**

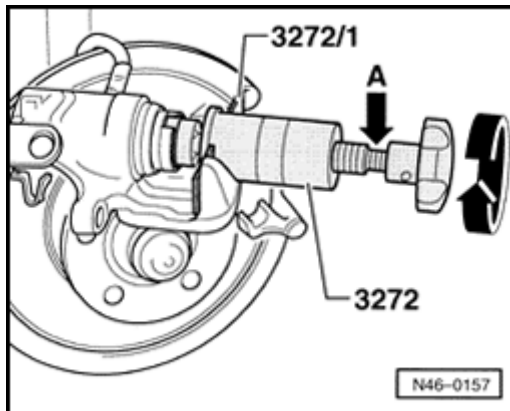
- Place protective seal with the outer sealing lip on the piston.

**A**

- Using 3409 wedge, insert the inner sealing lip into the cylinder groove.

Note:

Hold piston in front of caliper housing.



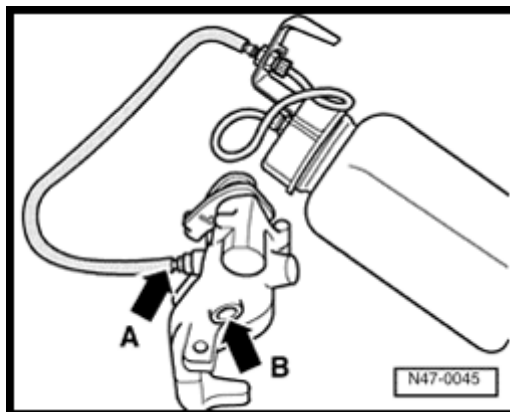
A

- Screw piston into housing by turning knurled wheel clockwise.

Notes:

- ◆ Install special tool 3272 so that the collar of the tool rest on special tool 3272/1.
 - ◆ For piston that are difficult to move, use open-end wrench (use 13 mm) on flats (arrow A).
- Install brake pads.

Pre-bleeding brake caliper



A

- Open bleed valve -arrow A- and fill with brake fluid, using a standard bleeder bottle until bubble-free brake fluid flows from the threaded hole -arrow B- (brake hose connection). Close bleed valve.

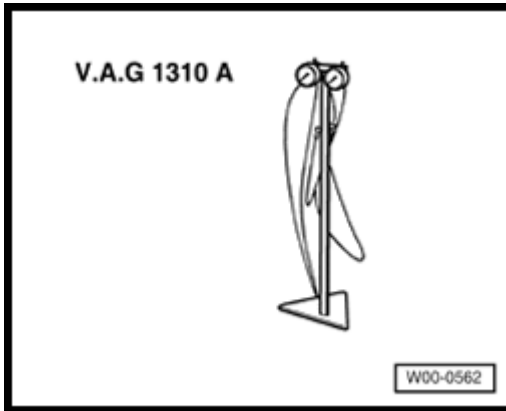
Note:

Position brake caliper as illustrated to pre-bleed.



Pressure leak test

Special tools and workshop equipment required



A

- ◆ VAG 1310 A Brake system test unit

Test prerequisites:

Function and proper seal of brake system (hydraulic unit, brake hoses, brake lines and brake calipers).

- Remove bleed screw at one of the front brake calipers. Connect pressure gauge from VAG 1310 and bleed.
- Apply pressure to brake pedal until the gauge indicates a pressure of 50 bar. The pressure must not drop by more than 4 bar during the test period of 45 seconds. If pressure drops greatly replace master cylinder.