



Replacing the brake pad set GDB5067 on a commercial vehicle

The described work process can vary depending on the vehicle type and the braking system.



For safety reasons, all maintenance and repair work may only be carried out by trained professionals. Brake components are safety related parts and should only be installed by trained professionals. Observe the vehicle manufacturer's instructions.

Before starting repairs, check that all parts of the brake which will not be replaced are in perfect working order. This includes the brake disc, the brake caliper with housing and carrier, the brake cylinder, the cables from wear indication and ABS sensor and the compressed air connections. Inform your customer about any existing or other possible damage on the vehicle.

Accessories

Brake pad sets from TRW are supplied with the required installation accessories.



Install all supplied accessories to ensure a professional repair.

NOTE

Malfunction of the brake.

- ▶ Do not use any accessories which are already installed.

1. Removal

i These instructions describe the replacement of the brake pads with and without wear indication on only one brake caliper.

1.1 Remove the wheel



Lift and secure the vehicle. Remove the wheel.

1.2 Reset the pistons (tappets)



Remove the cap on the adjuster and turn the adapter below anti-clockwise until the pistons (tappets) reveal the inner pad.

i The breakaway torque of the overload clutch produces a clicking sound in the adjuster.

NOTE

Damage to the adjuster.

▶ Do not turn the adjuster too far.

1.3 Remove the brake pads (without wear indication)

1.3.1 Remove the accessories



Remove the locking pin, washer, bolt and pad retaining bracket.

1.3.2 Remove the brake pads



Remove the inner brake pad. Pull the brake caliper towards the outside of the vehicle and remove the outer brake pad.

1.4 Remove the brake pads (with wear indication)



Remove the locking pin, washer and bolt on the pad retaining bracket. Remove the brake pads including retaining bracket and wear contact set.

2. Cleaning and checking

2.1 Guide pins



Check correct function of the guide pins by moving the housing back and forth. It has to be possible to move the housing by hand (without tools) across the entire displacement range.

NOTE

Increased brake wear from stuck guide pins.

► Replace guide pins if necessary.

2.2 Bellows on the pistons (tappets)



Extend the pistons (tappets) fully using the adjuster and check the bellows for damage.

NOTE

Ingress of moisture and damage to the adjusters through corrosion.

► Replace damaged bellows.

2.3 Brake disc

2.3.1 Measure the brake disc



Measure the brake disc at the thinnest location (note the burr on the disc edge).



The measurement must not be lower than the minimum dimension specified by the vehicle manufacturer.

2.3.2 Check the crack pattern



Check the crack pattern on the brake disc.

i Observe the vehicle manufacturer’s information regarding the permitted length, depth and types of cracks. Replace the brake discs if necessary.

2.3.3 Clean the carrier



Remove any dirt and traces of corrosion from the contact surface of the brake pads on the brake carrier. Clean the carrier thoroughly with TRW brake cleaner.

i The cleaning is shown with the carrier removed for illustration purposes. The carrier does not have to be removed for changing the brake pads.

3. Installation

3.1 Install the pad retaining springs



Install the pad retaining springs from the TRW brake pad set on the pads.

3.2 Install the brake pads



Insert the inner brake pad. Pull the brake caliper towards the outside of the vehicle and insert the outer brake pad.

NOTE

Overheating from stuck brake pads.

- ▶ Do not rework the brake pads.
- ▶ Installation without applying force and using tools.
- ▶ Do not use copper paste.

3.3 Install the accessories (without wear indication)



Install the pad retaining bracket, bolt, washer and locking pin.

3.4 Install the accessories (with wear indication)

3.4.1 Install the cables on the pad retaining bracket



Install the cable guide and the wear contact set on the pad retaining bracket.

3.4.2 Install the pad retaining bracket



Install the pad retaining bracket with wear contact set, bolt and locking pin. Install the protection plate.

NOTE

Damage from incorrect placement.

► Observe the vehicle manufacturer's instructions on the correct installation of the wear contact sets.

3.5 Adjust the brake



Turn the adjuster clockwise until the pads touch the brake disc. Then turn the adjuster back by three to four clicks. Install the cap on the adjuster.

NOTE

Damage to the adjuster.

- ▶ Do not turn the adjuster too far.

3.5.1 Check adjustment



Actuate and release the brake. Turn the brake disc by hand.

- i** If the brake disc cannot be turned by hand, initially turn back the adjuster. Then adjust the brake again (see item 4.1).

NOTE

Overheating from stuck brake pads.

- ▶ Adjust the brake according to the vehicle manufacturer's instructions.

3.6 Mount the wheel



Mount the wheel, centre it and secure it with the tightening torque specified by the vehicle manufacturer.

- i** Check the correct function of the brake on a brake test bench for commercial vehicles. Run in the new brake pads according to the vehicle manufacturer's instructions.