

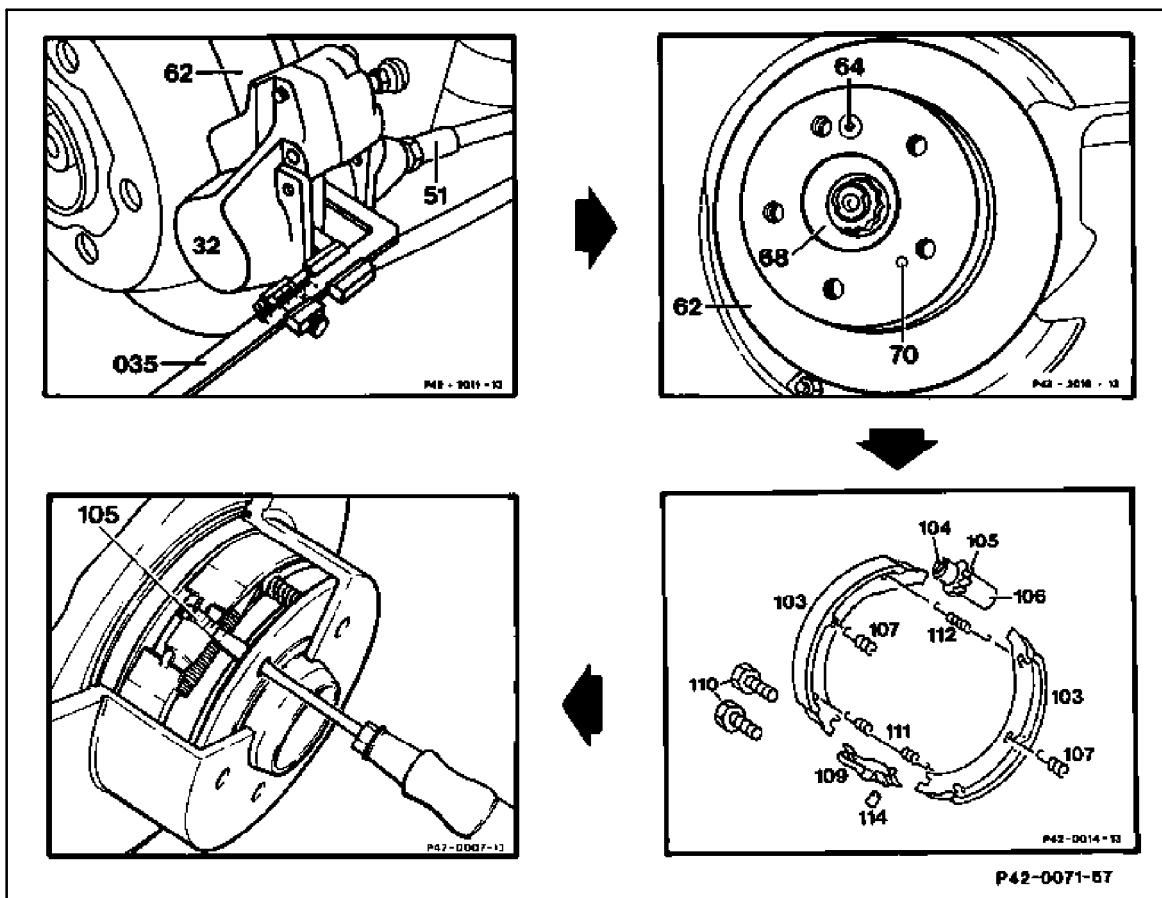
42-0228 Checking, removal and installation of brake discs on rear axle

Preliminary jobs:

Remove, install wheels (40-0110).
Remove brake pads on rear axle (42-0160).

Operation no. of the operation texts and work units
or standard texts and flat rates _____

42-0431



- Brake discs (62) _____ a Measure wear in brake pad shaft with caliper gauge (035) 124 589 05 19 00 (see data).
Renew according to condition.
- b) Perform visual check.
Renew brake discs with large cracks (not measurable) or if scoring marks deeper than 0.5 mm are present or when wear limit is reached.
- Fixed calipers (32) _____ remove, install (42-0120), hang up on body with suitable hook.
Do not subject brake hose to tension.
- Retaining bolt (64) _____ screw out. **Renew**, 10 Nm.
- Brake disc (62) _____ remove from rear axle shaft flange (68). Loosen tight brake discs from seat on rear axle shaft flange by tapping lightly with a plastic hammer. Assure that the parking brake is completely released. Observe installation note for brake discs.
- Cover plate _____ check mount on wheel carrier.
- Rear axle shaft flange (68) _____ check vertical and lateral runout. For this purpose use dial gauge holder 363 589 02 21 00 and dial gauge A1 DIN 878.
- Spreading lock (109) _____ check for easy motion.

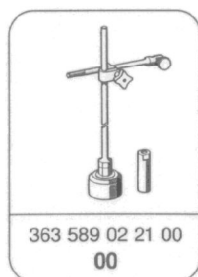
Parking brake shoes (103)_____ check for wear, renew if required (42-0530).
Adjust after installation of brake disc
(42-0540).

Data

Thickness of brake disc	mm	10
Limit dimension during maintenance 1)	mm	8.6
Wear limit	mm	8.3
Brake disc dia.	mm	279 Φ 0.2
ID for parking brake	mm	160+0.2
Lateral runout	mm	max. 0.15

1) To assure that wear limit is not exceeded before next maintenance.

Special tools



Commercially available tool

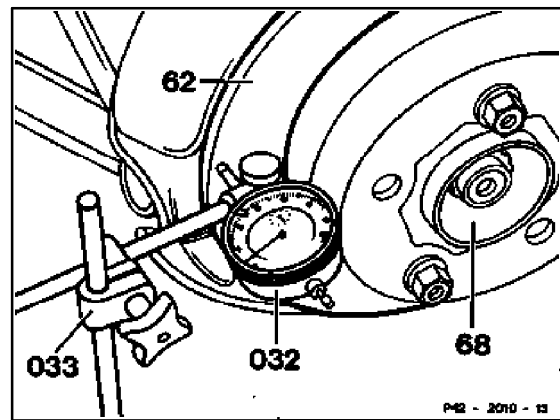
Dial gauge A1 DIN 878

e. g.. Mahr,
D-7300 Esslingen
Order no. 810

Note

Clean brake discs, which are highly contaminated with pad coatings on the braking surfaces (visible on grey or blue discoloration of braking surfaces) (42-0260).

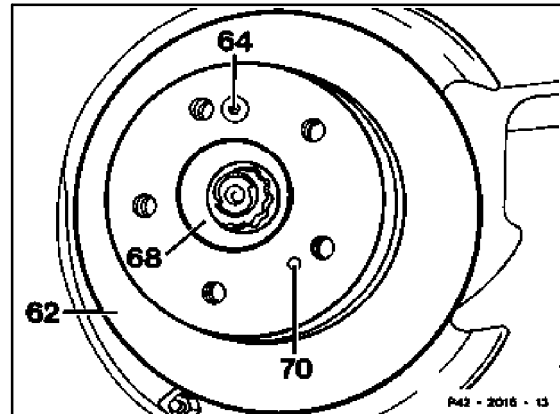
If different pedal travel is noted during test drive (particularly following curves) measure lateral runout of brake discs at outer diameter. For this purpose use dial gauge holder (033) 363 589 02 21 00 and dial gauge A1 DIN 878 (032). If the lateral runout is > 0.15 mm, replace brake discs. Always replace brake discs in pairs on one axle.



Installation note for brake discs

Clean any rust off of fitted seat and locating pin (70) on rear axle shaft flange with emery cloth, then apply heat-resistant permanent lubricant (Molykote paste "U", Molykote paste G Rapid, Liqui-Moly paste 36) to assure that brake discs can be removed from the rear axle shaft flange again later.

Check and clean brake lining surface on parking brake in brake disc drum.



Replacement brake discs are coated with nitro cellulose paint for protection against corrosion. Before installation this corrosion protection must be removed from the brake discs. This can be accomplished best with a high-pressure hot-water cleaning unit. Observe safety regulations of manufacturer.

Position brake disc on rear axle shaft flange. Assure that locating pin engages correctly in brake disc. Renew retaining bolt (64), 10 Nm.