

42–228 Removal and installation of brake disc on rear axle

Data

Thickness of brake disc	10
Wear limit	8.3
Brake disc dia.	279 ± 0.2
Fitted bore dia.	$\frac{67.00}{67.05}$
ID for parking brake	160 + 0.2
Lateral runout	max. 0.12

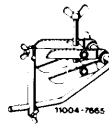
Lubricants

Molykote paste U	Molykote paste G Rapid	Liqui-Moly paste 36
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Tightening torque	Nm	(kpm)
Hex. bolt for attaching caliper to wheel carrier of rear axle	90	(9)

Special tools

Dial gauge holder for measuring lateral runout of brake disc



001 589 63 21 00

Slide gauge for measuring thickness of brake disc



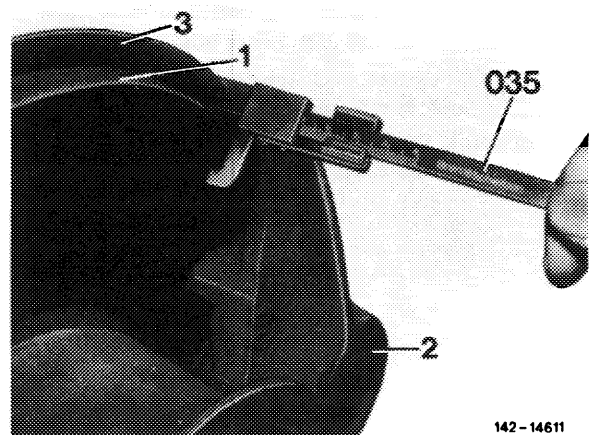
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Note

When checking brake disc, proceed as follows:

- a) Measure thickness of brake disc between cover plate and caliper, or with brake shoe pads removed in shaft, with slide gauge.
- b) Check visually.

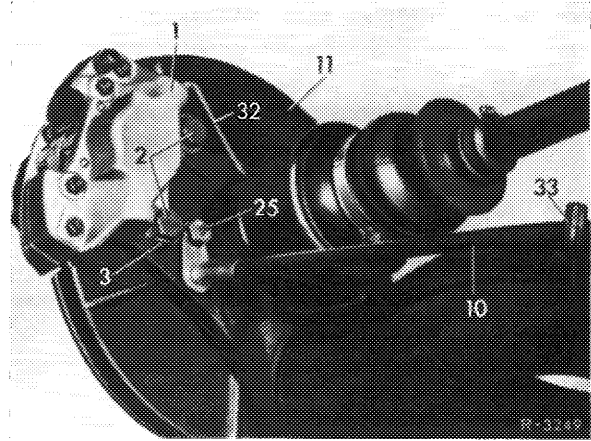
When cracks are larger (not measurable), with score marks deeper than 0.5 mm and when attaining wear limit, renew brake discs.



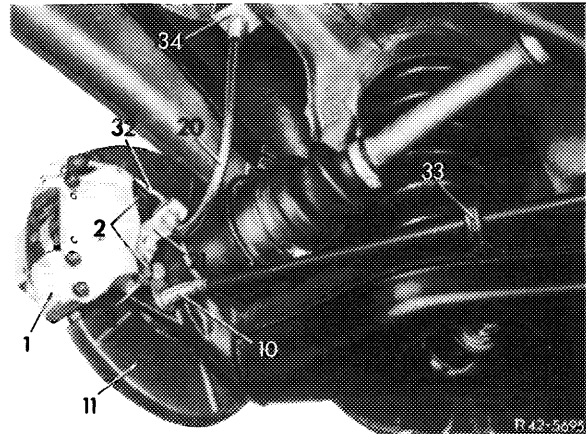
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Removal

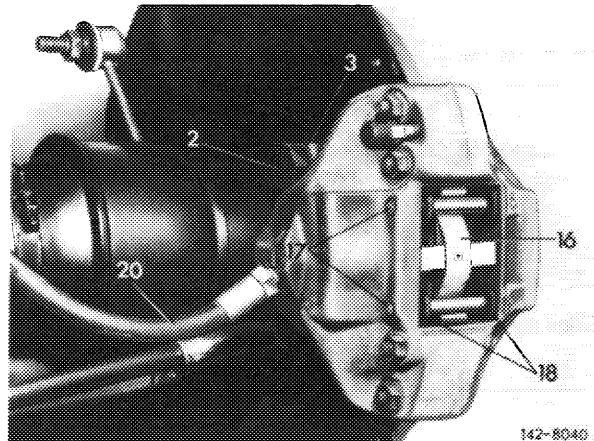
1 On vehicles with brake line layout 1st version, remove caliper (42–120).



2 On vehicles with brake line layout 2nd and 3rd version unbend locking plate (3), if installed, and unscrew hex. bolts (2).



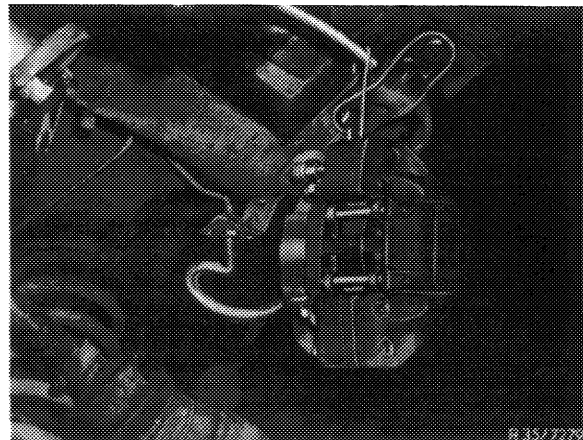
Brake line layout 2nd version



Brake line layout 3rd version

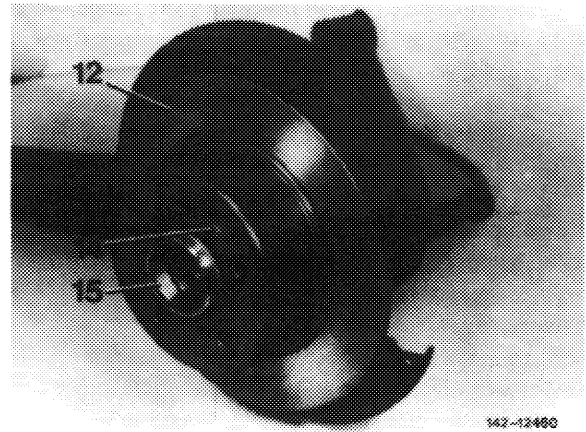
3 Remove caliper and hang up with a suitable hook on torsion bar together with brake hose.

Note: The hook is self-made. **Do not subject brake hose to tensile stress.**



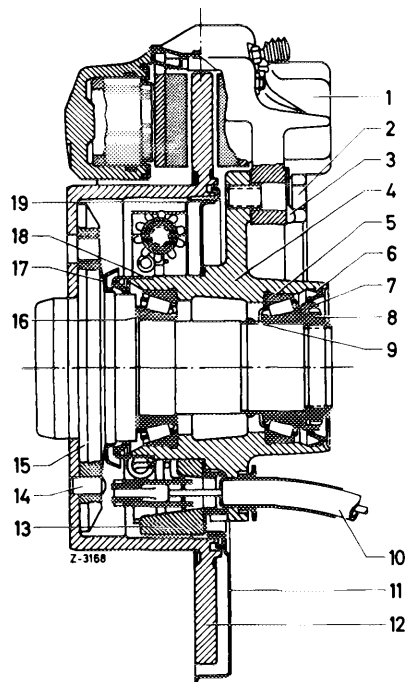
4 Remove brake disc (12) from rear axle shaft flange (15).

Loosen stuck brake discs from seat of rear axle shaft flange by means of light blows with a plastic hammer. Make sure that the parking brake is completely released.



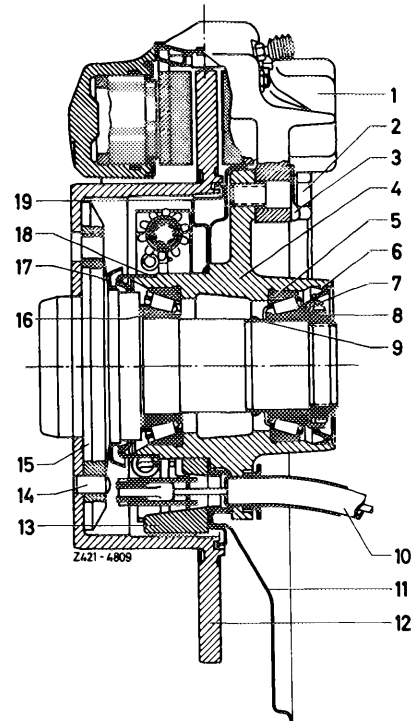
342-12482

Installation



Cover plate 1st version

- 1 Caliper
- 2 Hex. bolt
- 3 Locking plate
- 4 Wheel carrier
- 5 Inner tapered roller bearing
- 6 Radial sealing ring
- 7 Sealing race

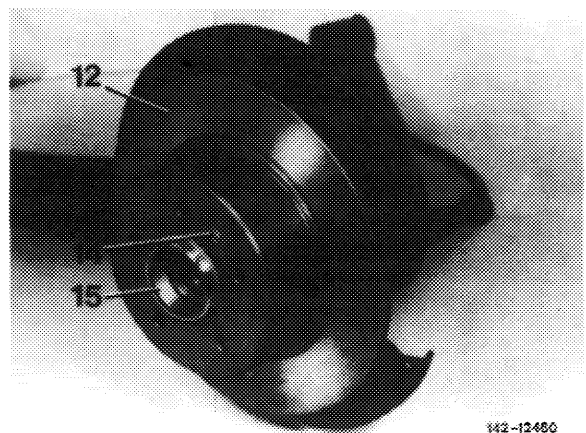


Cover plate 2nd version

- 8 Slot nut
- 9 Spacing sleeve
- 10 Brake cable control
- 11 Cover plate
- 12 Brake disc
- 13 Brake carrier
- 14 Fitted pin
- 15 Rear axle shaft flange
- 16 Outer tapered roller bearing
- 17 Dust cap
- 18 Radial sealing ring
- 19 Cover ring

5 Coat fitted seat of rear axle shaft flange with a heat-resistant long-term lubricant (Molykote paste "U", Molykote paste G Rapid, Liqui-Moly paste 36) so that the brake disc can be easily removed from rear axle shaft flange later on.

Note: Replacement brake discs are protected against corrosion by means of nitro-cellulose paint. For this reason, these brake discs must be cleaned with a solvent prior to installation. Make sure that safety rules are observed.



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6 Place brake disc (12) on rear axle shaft flange. Make sure that the fitted pin (14) enters correctly into brake disc.

7 Install caliper (42–120).

Note: Since the brake system has not been opened during installation of brake line 2nd and 3rd version, no bleeding is required.

Attention!

Prior to moving off, actuate brake pedal several times energetically, to obtain the correct clearance between brake disc and brake pad. Then top up brake fluid supply in expansion tank of tandem main cylinder.

Note: If during a trial run (mainly after driving around a bend) a different pedal travel is observed, measure lateral runout of brake disc on OD. Simultaneously, check rear axle shaft flange for vertical and lateral runout and wheel bearing play in semitrailing arm and adjust, if required (35–130).

If the lateral runout of brake disc is too high, replace brake disc.