

Every 15 000 km / 10 000 miles

All types

In the event of aggravated operating conditions or increased demands, such as energetic sports-style driving, trailer operation etc. the thickness of the brake pad lining on front axle may require checking in shorter intervals.

Test values

Type		107 108 109 111 113 114 115 116	100
Thickness of brake (back-plate with pad)	front	15	20
	rear		18.5
Thickness of back-plate	front	5	—
	rear		5
Permitted wear ¹⁾ on brake linings to a lining thickness of	front	2	9
	rear		2

1) Brake linings are, of course, to be renewed earlier within the scope of service jobs and not only when the min. thickness has been reached.

Lubricant

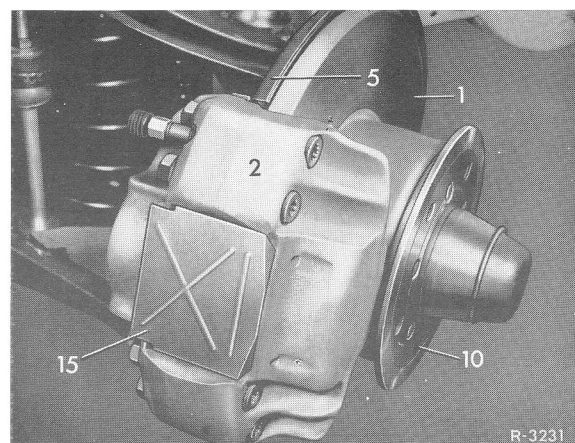
High temperature long term lubricant (Molykote-paste U, Molykote-paste G Rapid, Liqui-Moly 36)

Special tools

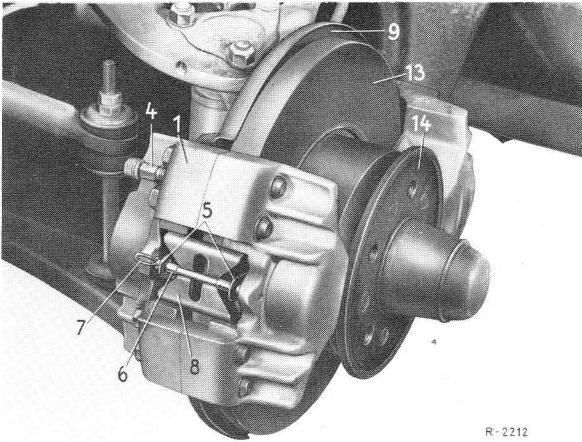
Impact puller	115 589 14 33 00
Pulling fixture ¹⁾	116 589 04 33 00
Piston fitting tool	000 589 36 37 00
Piston setting pliers	111 589 07 37 00

1) For stuck brake pads

- Remove access cover (**only installed on the front axle** and calipers with pistons of 57 mm dia. in vehicles with integral brake discs).



15 Access cover

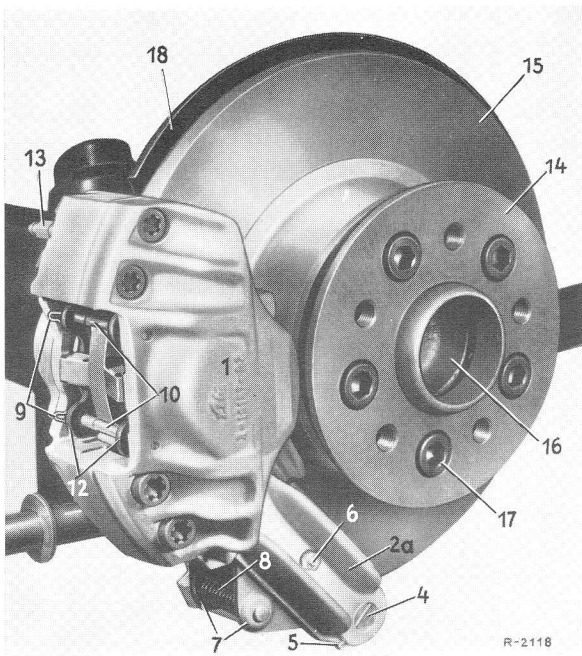


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6 Retaining pin
7 Securing eye

8 Spring plate

- In the type 100 remove the securing eye, the retaining pins and the spring plate on the front axle.

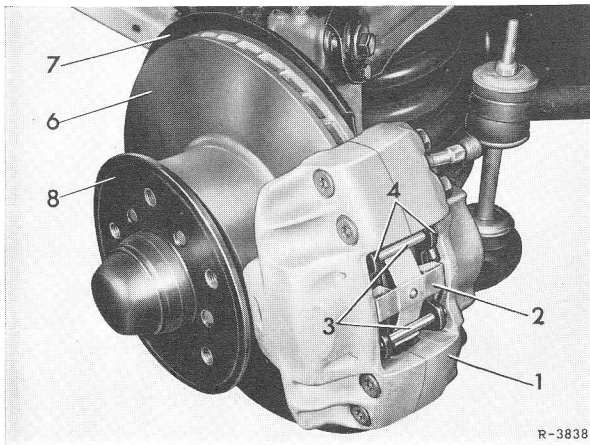


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9 Securing eye

10 Retaining pin

- In type 100 remove the securing eyes, the retaining pins and the cross spring on the rear axle.



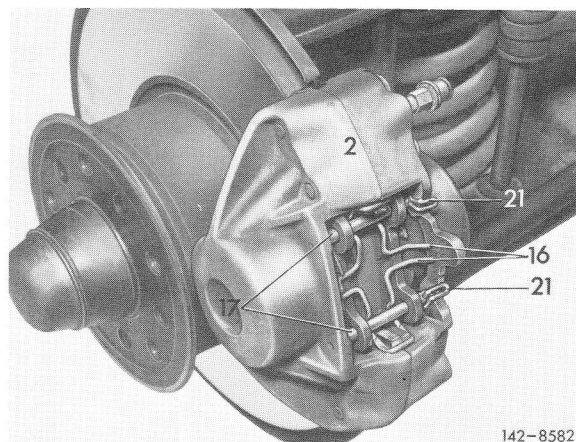
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2 Cross spring

3 Retaining pin

- On all other types with Teves-(ATE-)calipers, knock retaining pins out of caliper with a punch and remove cross spring.

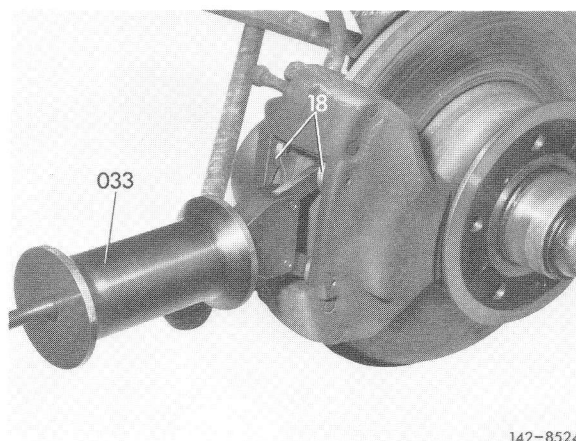
- On all other types with Bendix-(BX-)brake calipers, remove securing eyes, retaining pins and lining retaining springs.



142-8582

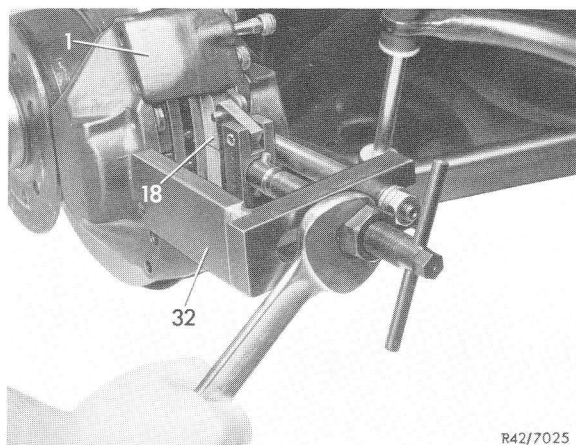
16 Lining retaining spring 21 Securing eye
17 Retaining pin

- Knock one brake pad out of caliper with impact puller. Use pulling fixture for brake pads when stuck.



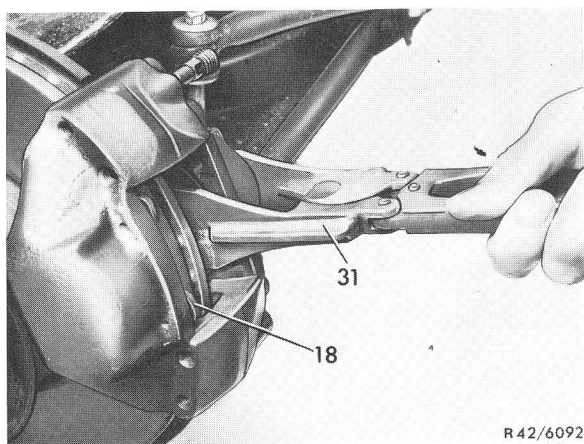
142-8524

033 Impact puller



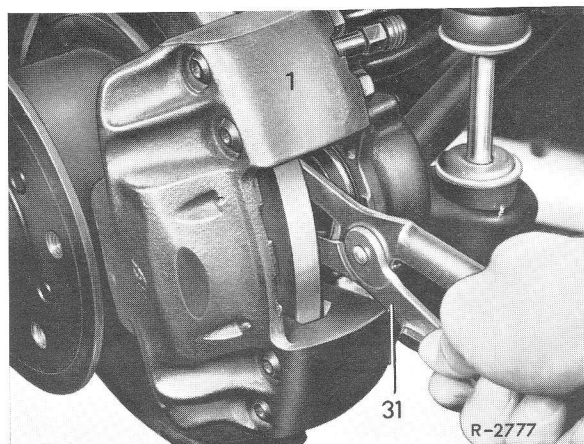
R42/7025

32 Pulling fixture



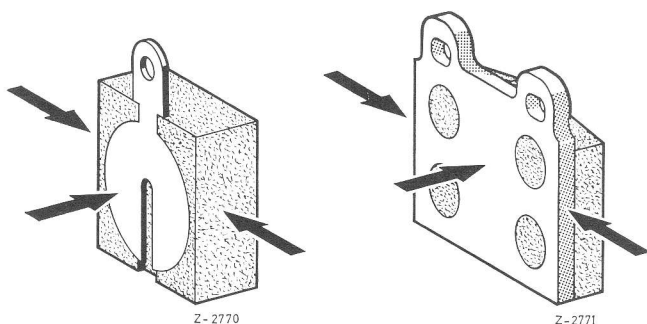
31 Piston setting pliers

- Press back piston using setting pliers and ensure ease of movement of piston (see item 703).



31 Piston fitting tool

- In all types (except type 100) check position of the piston in the brake caliper. If necessary correct using piston fitting tool.
- Clean rain through in the brake pad, measure thickness of layer. Possibly reposition the brake pads of each caliper.



- Smear the arrowed areas with a high temperature lubricant. Then install the brake pad in the brake caliper.

- Remove other brake pad (see previous page).
- Install cross spring, retaining pins and, where applicable, access plate and securing eyes.
- Operate brake pedal strongly several times until a firm resistance is felt. Then check level of brake fluid in the reservoir and correct.