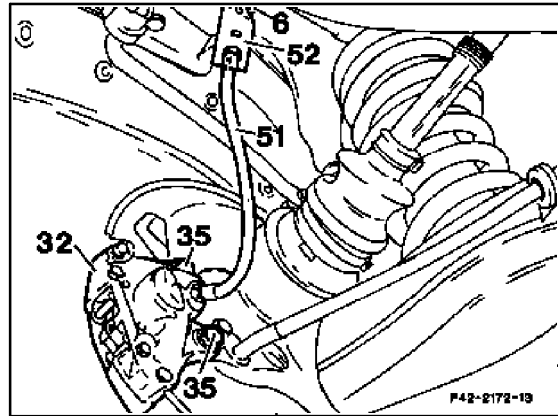


## 42-0120 Removal and installation of fixed caliper on rear axle

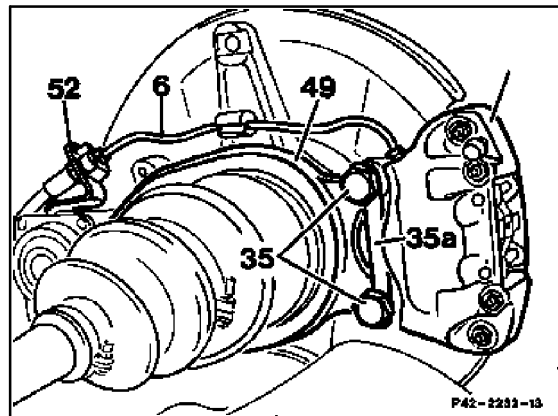
Preliminary job:  
Remove wheel (40-0110).

Operation no. of the operation texts and work units  
or standard texts and flat rates \_\_\_\_\_ 42-0296

Without anti-squat control



With anti-squat control



Brake fluid \_\_\_\_\_ pump out of rear brake circuit via bleed screw.

Brake hose ((51)) \_\_\_\_\_ disconnect at brake line (6); use open double box wrench 9 x 11. Close connections with plugs.

### Vehicles without anti-squat control

Disconnect brake hose on fixed caliper. Do not twist brake hose during installation.

Tightening torque 15 Nm.

Open box wrench (14 mm) 000 589 76 03 00

Torque wrench 000 589 72 21 00.

### Vehicles with anti-squat control

Disconnect brake line (6) on fixed caliper, remove.

Hex. head bolts (35) \_\_\_\_\_ screw out of wheel carrier (49), 50 Nm.

### Vehicles without anti-squat control

Renew self-locking hex. head bolts (35). If the new self-locking hex. head bolts are extremely difficult to screw in, chase the thread in the wheel carrier with an M10 tap to remove cement residues from micro-encapsulated bolts.

### Vehicles with anti-squat control

Renew retaining plates (35a). Secure hex. head bolts (35) well after tightening.

Fixed caliper _____	remove from wheel carrier (49). Install in opposite order.
Rear wheel brake circuit _____	bleed (42-010).
Brake system _____	check for leakage, see note on testing.

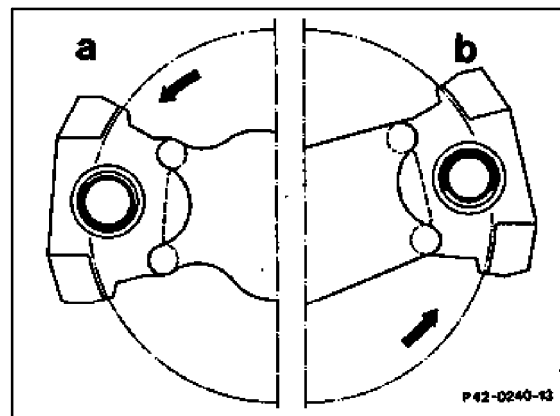
## M

When installing a new fixed caliper observe the following:

Fixed calipers from different manufacturers may be installed on the rear axle. However the fixed calipers **must** have **the same piston diameter**.

On fixed calipers located behind the center of the axle on diagonal swing axles (a) the high spot on the fixed caliper piston (to reduce brake squeal) must point up.

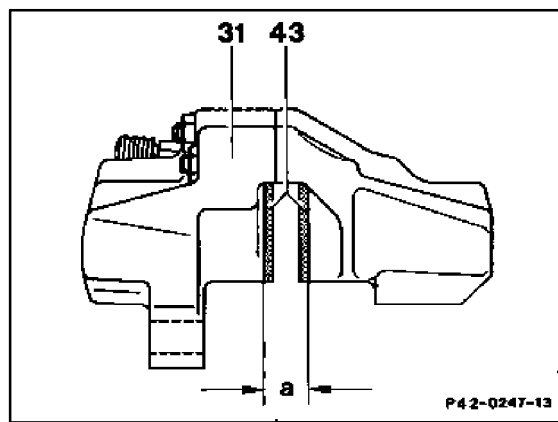
On fixed calipers located in front of the center of the axle on diagonal swing axles with anti-squat control (b) the high spot must point down.



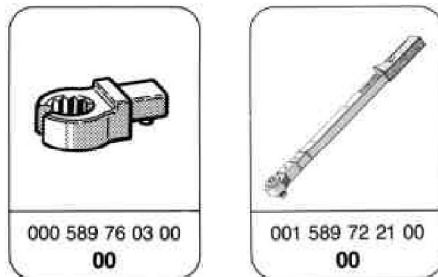
## Data

Fixed caliper brand	Teves	Bendix Girling
Fixed caliper piston dia.	38	38
Shaft width for brake pads	62+0.15	62+0.15
Disc gap width "a"	approx. 14	approx. 12.5

- 31 Fixed caliper
- 43 Brake pad
- a Disc gap width



### Special tools



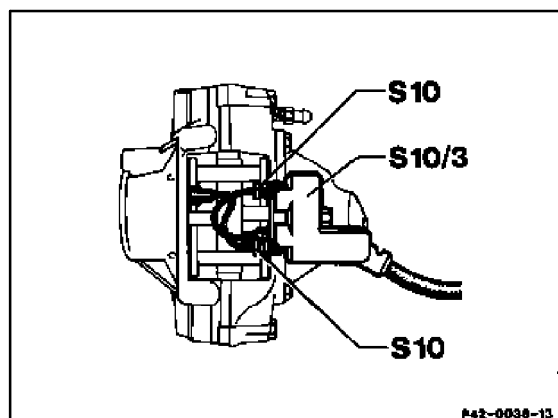
### Commercially available tool

Open double box wrench 9B11

e. g. Hazet,  
D-5630 Remscheid  
Order no. 612

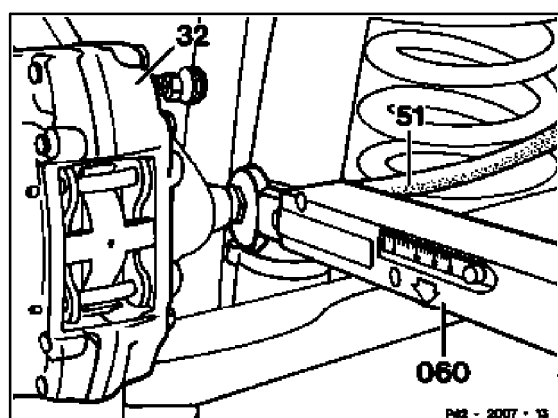
### Note on vehicles with ASR

On vehicles with ASR the rear wheel brakes have a wear indicator similar to the front wheel brakes. The clip sensors are similar to the sensors on the front wheels, however have a higher temperature resistance (code: transparent). A mounting eye is cast into the fixed caliper for the plug connector for the wear indicator (S10/3). The wires to the clip sensors (S10) must be layed as shown in the figure.



### Installation note on brake hose

When connecting assure that the brake hose (51) is not twisted.



**Note on testing**

After bleeding actuate brake pedal forcefully a number of times to assure that play between brake disc and brake pads is correct. Then perform leakage check with engine running. For this purpose actuate brake pedal with force of approx. 200-300 N. The pressure built up must be maintained for some time without the brake pedal moving down. Check all connections for leakage. Add brake fluid into brake fluid reservoir on tandem master brake cylinder.