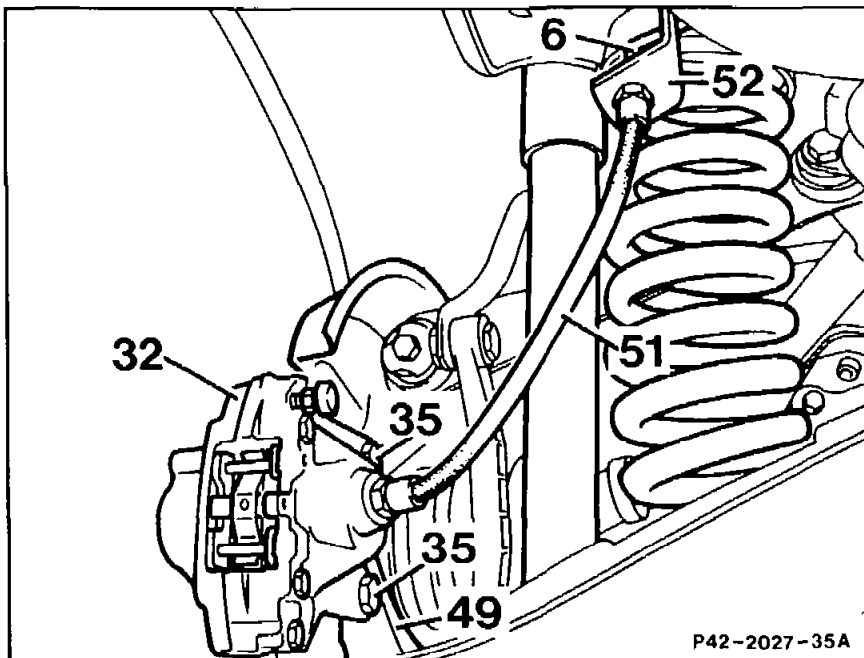


42-0120 Removal and installation of fixed callper on rear axle

Preceding work:
Lift vehicle on lifting platform (00-0908).
Remove rear wheels (40-0016).





Operation no. of operation texts and work units or standard texts
and flat rates
42-5141



Do not completely drain brake fluid supply reservoir to prevent air from getting into the brake system. If drained completely, it is necessary to bleed the entire brake system (special bleeding procedure required for vehicles with ASR).

Vehicles with ASR

Rear brake pads wear sensor (S10/3) disconnect from plug connection, connect.
Check and replace if required.
Observe Note on ASR !

Brake hose (51)	<p>first unscrew at brake line (6) using open double box wrench 9 x 11, then loosen and remove brake hose (51) from cylinder housing. Seal off connections immediately with blind plugs. Pay attention to correct positioning when installing, see installation note. Tightening torques: Brake line (6) to brake hose (51) 14 Nm, brake hose to brake caliper 18 Nm.</p> <p>Open box wrench (14 mm) 000 589 76 03 00, torque wrench 000 589 72 21 00.</p>
Self-locking bolts (35)	<p>unscrew from wheel carrier (49). Replace. Tightening torque 50 Nm</p> <p>70 Nm on models 124.036 as of 02/93 except   and 124.028.</p> <p>If new self-locking bolts (35) are extremely hard to screw in, chase threads in steering knuckle with M 10 tap to remove glue residues from micro-encapsulated bolts.</p> <p>Torque wrench 001 589 66 21 00.</p>
Fixed caliper (32)	<p>remove from wheel carrier (49). It is not necessary to disconnect the brake hose (51) for axle repairs. Unscrew fixed caliper from wheel carrier (49) and fasten with a suitable hook. Observe Note on fixed caliper!</p>
Rear wheel brake circuit	<p> Do not subject brake hose to tension. Bleed (42-0010).</p>
Brake system	<p> Observe disposal regulations for brake fluid! check for leakage, see testing instructions.</p>

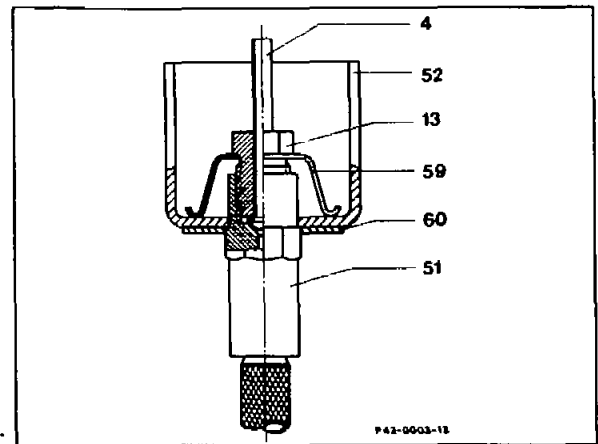
Note on fixed calipers

Observe allocation of floating calipers to individual vehicle models (see 42-0152 "Data"). The fixed calipers on one axle must have the same piston diameter. Only install fixed calipers from same manufacturer on one axle.

Note on brake hose

When connecting ensure that the brake hose (51) is not twisted. A minimum distance of 15 mm to other axle parts must be ensured in all driving situations.

A retaining plate (60) with 12-point retainer is fastened to the holder (52). Insert brake hose (51) into retaining plate so that it does not chafe with the steering wheel turned to the left and right lock and the suspension fully extended or retracted.



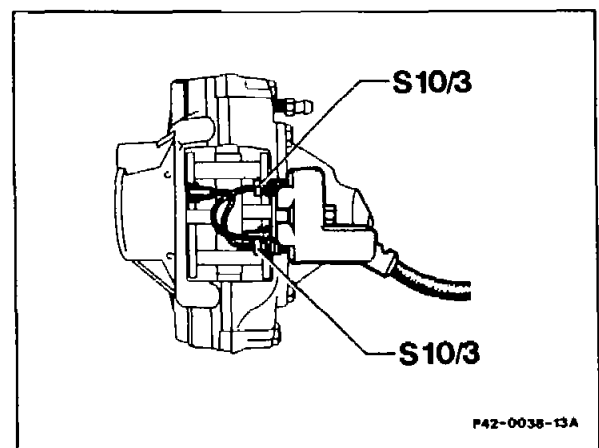
- 4 Brake line
- 13 Union screw
- 51 Brake hose
- 52 Holder on frame floor
- 59 Brake hose holder
- 60 Retaining plate

Note on ASR

The rear wheel brakes on vehicles with ASR have a wear indicator similar to that on the front wheel brakes. Install only transparent-type contact sensors (higher temperature resistance).

A mounting eye is cast into the fixed caliper for the plug connection for the wear indicator (S10/3).

The wires for the contact sensors (S10) must be positioned as shown in the figure.



- S10/3 Rear brake pads wear sensor (S10/3)

Testing instructions

After bleeding, vigorously actuate brake pedal several times so that proper clearance between brake disc and brake pad is obtained. Then perform leakage test with engine running by pressing brake pedal with a pressure of approx. 200–300 N. The brake pressure built up should be maintained without pressing the brake pedal down further. Check all connections for leakage. Add brake fluid to brake fluid supply reservoir, if required.

Note on disposal

Dispose of used brake fluid as polluting waste. (See disposal instructions in MBVD Environmental Protection Catalog Chapter 2.6 – pages 2–43). Brake fluid which does not contain oil can be recycled.

This requires that the brake fluid be collected and stored according to type.

For this purpose we recommend using the collection system from the Schröder company described in the MBVD Workshop Equipment Catalog under the following numbers:

0210	2200 E	0705	Collection vessel
0210	2200 E	0701	Drain vessel
0210	2200 E	0702	Hand pump
0210	2200 E	0703	Transport rack

The same description is given in the Workshop Equipment Manual, Volume 2, Chapter U, Group 00 (22).



Special tools

