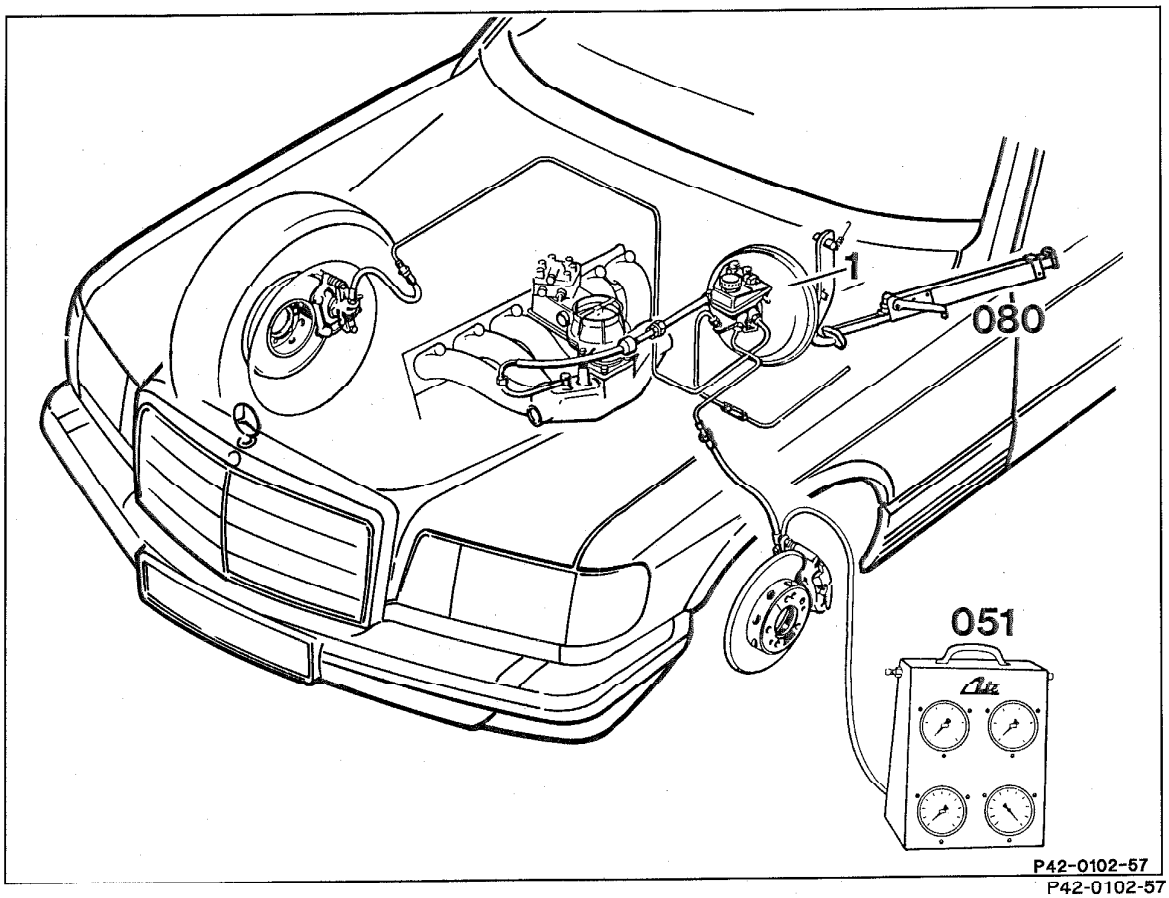


P42-0102-57

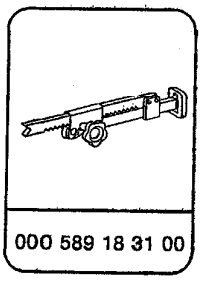
Pressure testing instrument (051) . . . . . connect to brake caliper, for this purpose screw out bleed screw. Bleed pressure testing instrument. After test, bleed only at caliper to which testing instrument was connected.

⚠ WARNING!
Pressure testing instruments for hydraulic oil systems must **not** be used for systems with brake fluid, because otherwise the brake fluid would be mixed with mineral oil leading to failure of the brake system.

42-0015 Pressure testing brake system

High-pressure test	Allow engine to run at medium speed and produce the highest possible vacuum by suddenly releasing the accelerator pedal. Depress brake pedal with brake pedal winch (080) 000 589 18 31 00 until the highest possible line pressure is achieved, then hold brake pedal in this position. During a testing period of 5 minutes the decrease in the pressure should not be greater than 5% of the set value. If a higher decrease in the pressure is noted, find and seal leaky point.
Low-pressure test	Shut off engine. Actuate brake pedal until vacuum is no longer present, then adjust brake pedal winch (080) until a line pressure of approx. 3 bar gauge pressure is indicated on the pressure gauge. The set pressure should not decrease during a testing period of 2 minutes. If a decrease in pressure is noted, find and seal leaky point.

Special tools



000 589 18 31 00

Commercially available tool		
Pressure testing instrument	e. g.	Teves, D-6000 Frankfurt Order no. 3.9305-1020.4

⚠ **CAUTION!**
If brake fluid loss is not visible externally check whether brake fluid has penetrated into the brake booster unit through a leaky secondary seal in the tandem master brake cylinder. If so proceed as follows:

1 Screw off booster unit installed on master brake cylinder, pull off and evacuate brake fluid.

2 If more than 100 cc of brake fluid are present in the booster unit, the booster unit must be exchanged.

Note
The rolling diaphragm in the booster unit is resistant to brake fluid, however the reaction plate and plate valve in the control stage are not. For this reason brake fluid may only be evacuated with the booster unit installed. With the booster unit installed brake fluid cannot reach the reaction plate or the plate valve as long as the quantity of brake fluid is less than 100 cc.