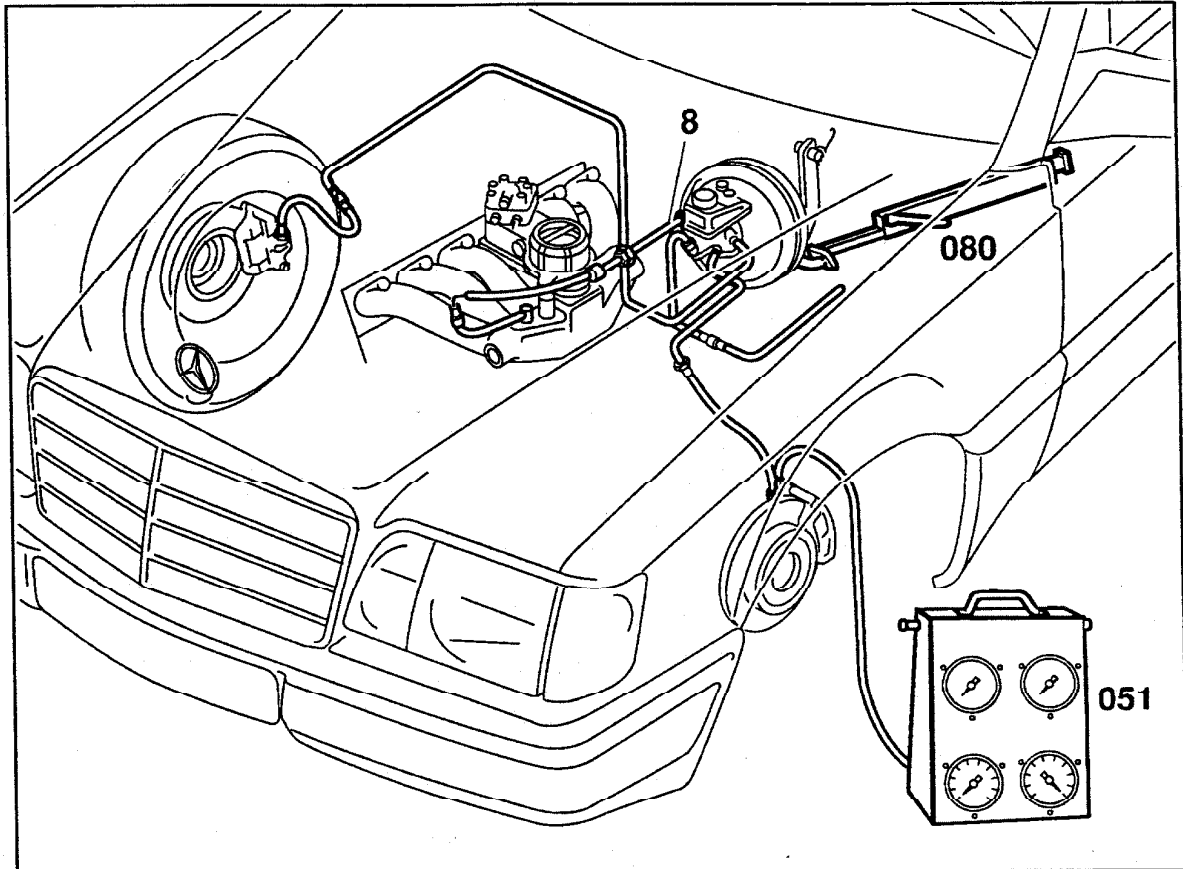


## 42-0015 Checking brake system for leakage using pressure tester

Preceding work:  
Remove front wheel (driver's side (40-0010).

Operation no. of operation texts and work units or standard texts  
and flat rates  
42-1071



P42-5320-57

Pressure tester (051)

connect to brake caliper, remove bleed screw for this purpose. Bleed pressure tester (051). After testing it is only necessary to bleed the brake caliper to which the pressure tester (051) was connected (42-0010).

High-pressure test .....

Allow engine to run at medium speed and create as high a vacuum as possible by suddenly releasing the accelerator pedal.

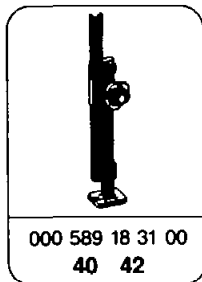
Press brake pedal down with pedal jack (080) 000 589 18 31 00 to achieve the highest possible line pressure and hold brake pedal in this position. The pressure should not decrease by more than 5 % of the set value during the 5-minute test. If the pressure drop is greater, find and seal leaky point.

Low-pressure test .....

Shut off engine. Remove brake pedal jack (080) 000 589 18 31 00. Actuate brake pedal until no more vacuum is present. Install brake pedal jack (080) 000 589 18 31 00 and reset until a line pressure of approx. 3 bar gauge pressure is indicated on the pressure gauge.

The set pressure should not decrease during the 2-minute test. If the pressure drops, find and seal the leak.

### Special tool



### Commercially available tools and testers

Designation

e.g. Messrs., order no.

Pressure tester (051)

Teves, D-60480 Frankfurt  
Order no. 3.9305-1020.4





If brake fluid loss cannot be detected externally, check whether brake fluid has entered the brake booster through a leaky secondary seal in the tandem master brake cylinder. If so proceed as follows:

- 1 Unscrew master brake cylinder from installed brake booster (42-0310), pull out and evacuate brake fluid.
- 2 If more than 100 cm<sup>3</sup> brake fluid is present in the brake booster, replace brake booster.

**Note**

The rolling diaphragm in the brake booster is resistant to brake fluid, but not the reaction disc and the poppet valve in the control unit. For this reason evacuate brake fluid only with brake booster installed. When the brake booster is installed and less than 100 cm<sup>3</sup> of brake fluid is present, it is not possible for brake fluid to reach the reaction disc or poppet valve.



Never use pressure testers for hydraulic oil systems on systems containing brake fluid, otherwise the brake fluid would be mixed with mineral oil, which can lead to a brake failure.

