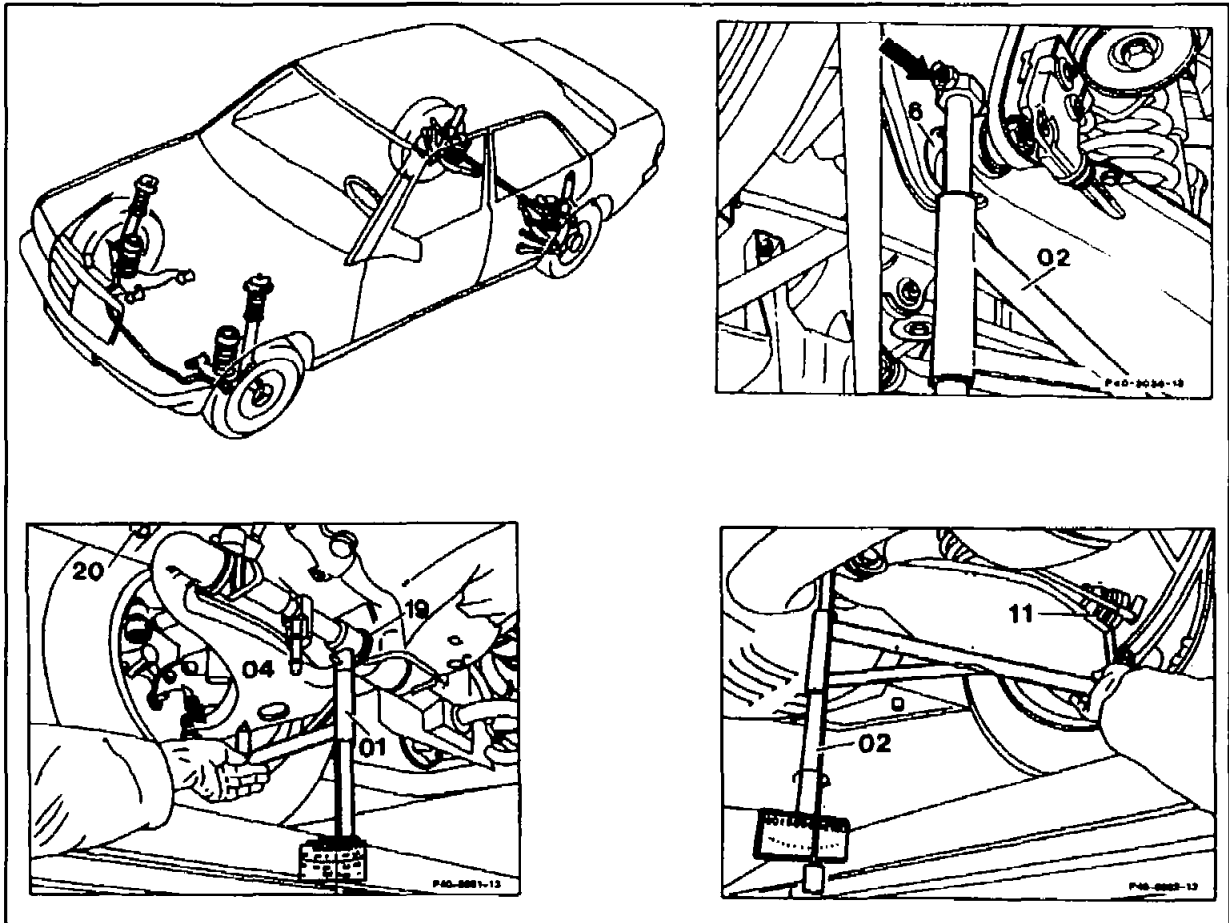


40-0300 Checking and adjusting vehicle level at front and rear axles

Preceding work

General information on chassis alignment (40-0200).



P40-5088-57



If the vehicle has been lifted, or repair work has been carried out on the axles or the suspension, the vehicle must be forcefully bounced several times prior to measurement.



Vehicle level at **front axle**

Check with measuring unit (01) 201 589 00 21 00 (refer to test and adjustment values 40-0001).

- Position measuring unit between front and rear eccentric bolts on wishbone bearings.
- Position contact arm of measuring unit (01) against wishbone and read off plumb value for vehicle level on instrument scale.



Vehicle level rear axle

Check with measuring unit (02)

201 589 01 21 00.

- Place pivot arm of measuring unit on the spring link of the inner mount (arrow). For this purpose, the bracket for the wear indicator must be detached on vehicles with ASR.
- Position contact arm on the rear axle shaft and read off the plumb value of the vehicle level.

Adjustment of vehicle level by:

- a) **Height of rubber mount**
change of the rubber mounts by 5 mm results in a change in vehicle level of approx. 9 mm (refer to note).
- b) **Assignment of spring/rubber mount**
If the adjustment cannot be carried out with rubber mounts, the assignment of the front springs and rubber mounts must be re-established (refer to parts microfiche).



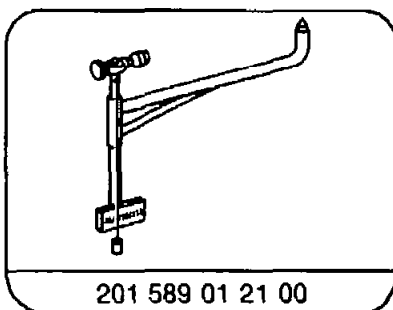
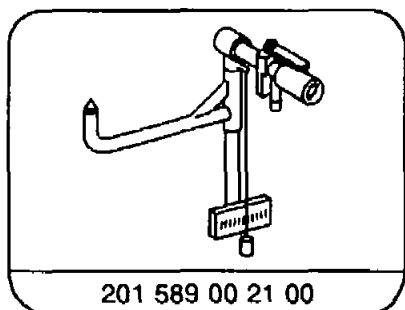
On vehicles with level control do not correct a vehicle level which is too low by changing connecting rod of the level controller (control point), but:

1. Check level control for proper function
2. If point 1 is in order, adjust vehicle level by changing springs or spring/rubber mounts (32-0530).

After changing the vehicle level

Adjust headlamps (82-0040).

Special tools



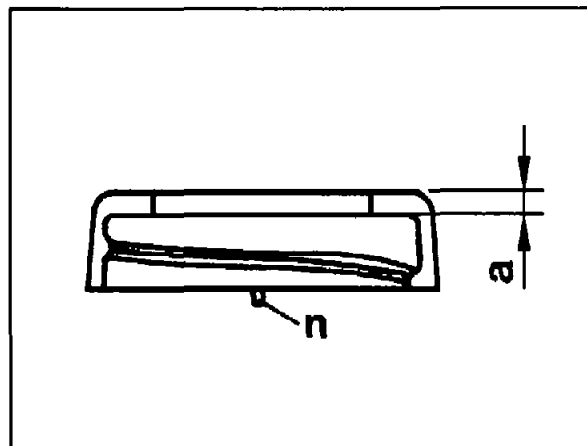
When evaluating the vehicle level, always check the vehicle level at the front and rear axles. The maximum permissible difference between the vehicle level on the left- and right-hand sides of the vehicle is:

- using the measuring unit approx. 9 mm
- using a tape measure approx. 15 mm (from center of wheel to fender cutout).

Note

Rubber mounts of different height are available.

Height "a" (mm)	Number of lugs
8	1
13	2
18	3
23 (front axle only)	4



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