32–320 Removal and installation of torsion bar on rear axle

Data

Model	Torsion bar		Rubber mount of torsion bar bearing	
	Part no.	Dia.	Part. no	Bore dia.
116.036	116 326 21 65	22	116 326 13 81	20,5
126.033	126 326 23 65 [1) 3)]	17	126 326 19 81 [1)]	16,5
126.037	126 326 42 65 [2) 4)]		126 326 50 81 [2)]	17

1) 1st version (up to August 1981).
2) 2nd version (starting September 1981)
3) Spare parts scope of delivery with rubber joint part no. 126 320 11 11.
4) Spare parts scope of delivery with rubber joint part no. 126 320 17 11.

Tightening torques	Nm
Hex. bolts of torsion bar bearing on frame floor	70
Expanding (necked-down bolt) of wheel carrier support on torsion bar	80
Hex. screws for fastening link to torsion bar	10

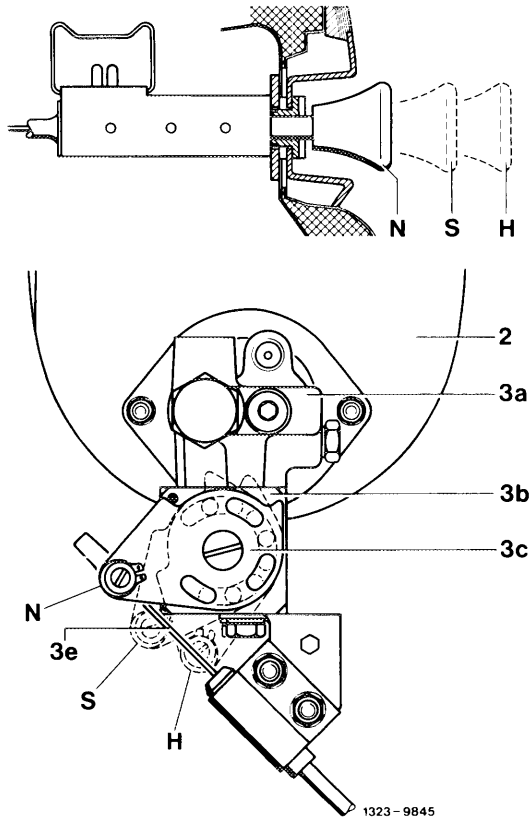
Note

Always renew self-locking hex. nuts as a matter of principle!

Removal

1 Move puller for adjusting switch of valve unit into position S = "detent position" (switch on instrument panel locked in center position).

Pressure in suspension elements remains, even though the vehicle has been jacked up.



2 Oil supply tank
3a Pressure regulator of valve unit
3b Adjusting switch of valve unit
3c Control disk
3e Puller for adjusting switch

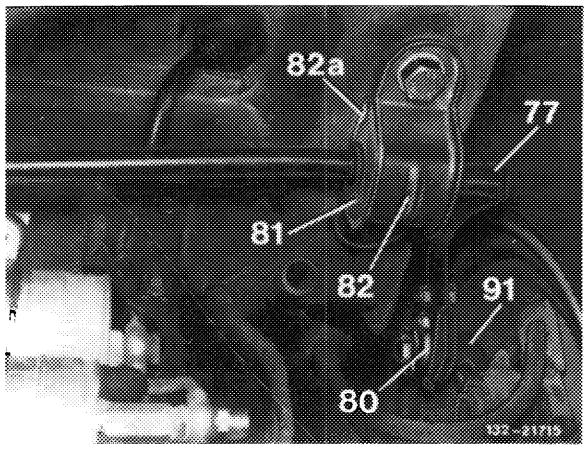
Positions of adjusting switch:
N = normal level
switch pushed down or control disk against stop at front
S = detent position
switch locked in center position or control disk pulled into 1st detent
H = higher level
switch fully pulled or control disk pulled into 2nd detent.

Note: In positions "H" and "S" warning lamp at right in instrument cluster is lighting up (red with vehicle symbol).

2 Jack up vehicle and remove righthand rear wheel.

3 Remove rubber rings of rear exhaust suspension. Slightly lower exhaust line and support.

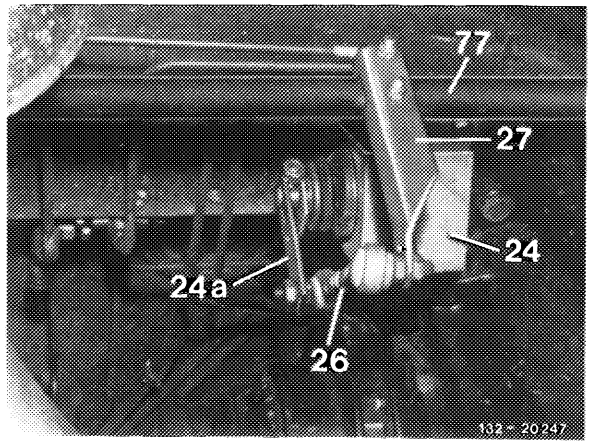
4 Unscrew expanding (necked-down) screws of wheel carrier support (80) left and right.



77 Torsion bar
80 Support of wheel carrier on torsion bar
81 Rubber mount
82 Lower holding clip
82a Upper holding clip
91 Wheel carrier

5 Disconnect connecting rod on lever of level controller, loosening hex. nut for this purpose, while applying counterhold against ball pin by means of a 10 mm open end wrench.

Attention!
Never pull ball pin out of ball socket.

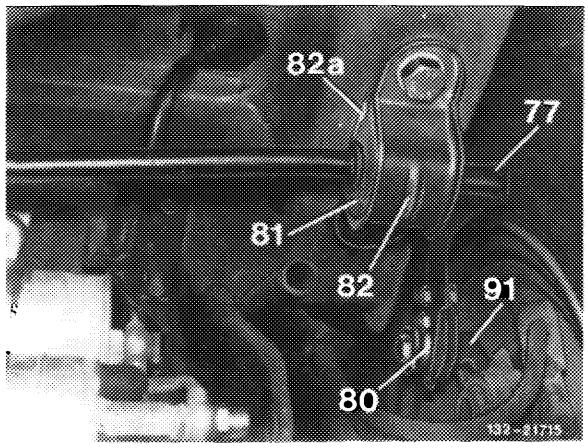


24 Level controller
24a Lever for level controller
26 Connecting rod
27 Lever on torsion bar
77 Torsion bar

6 Unscrew hex. bolts of holding clip (82) of torsion bar bearing right and left.

7 Remove torsion bar (77).

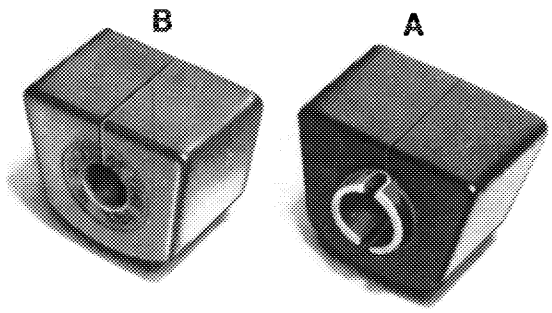
8 Remove lever on torsion bar for actuating level controller.



Installation

9 Check rubber mount of torsion bar bearing and rubber mount of wheel carrier support on torsion bar.

Note: Starting September 1981, on model 126, a torsion bar with forged ends (2nd version) will be installed. Rubber mounts for torsion bar attachment to frame floor were simultaneously modified.



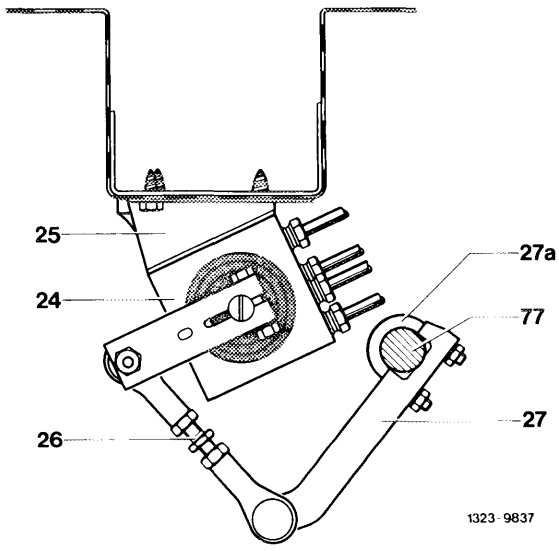
A 1st version (up to August 1981) sedans
B 2nd version (starting September 1981) sedans and coupes

132-21470

10 Check threads for expanding (necked-down) screws for wheel carrier for easy operation and refinish, if required.

11 Fasten lever on torsion bar for actuating level controller, making sure that the lever rests against flat surface of torsion bar.

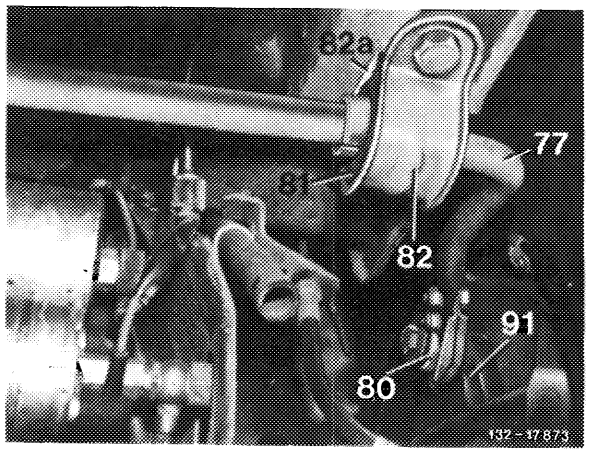
12 Insert torsion bar. Slip rubber mount with parting slot in upward direction on torsion bar.



Layout on models 126.033, 126.037

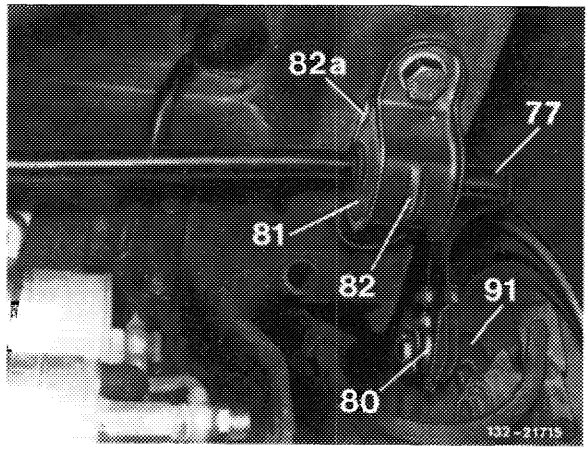
24 Level controller for rear axle
25 Holder for level controller
26 Connecting rod
27 Lever on torsion bar
27a Fastening clip
77 Torsion bar of rear axle

13 Fasten torsion bar (77) to frame floor, while paxing attention to correct location of lower holding clip (82) and locking plate (82a).



Model 126

1st version (up to August 1981)
Torsion bar attachment for sedans



Model 126

2nd version (starting September 1981)
Torsion bar attachment for sedans and coupes

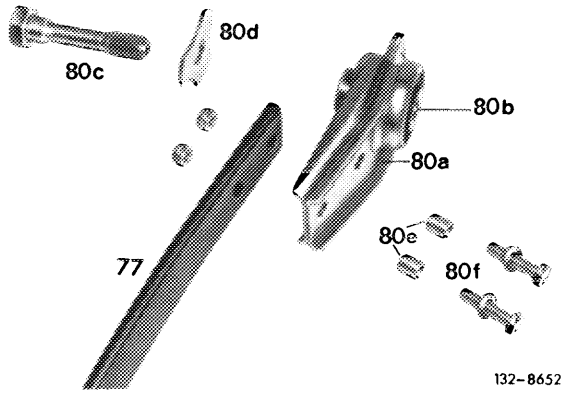
14 Mount exhaust line and righthand rear wheel.

15 Lower vehicle.

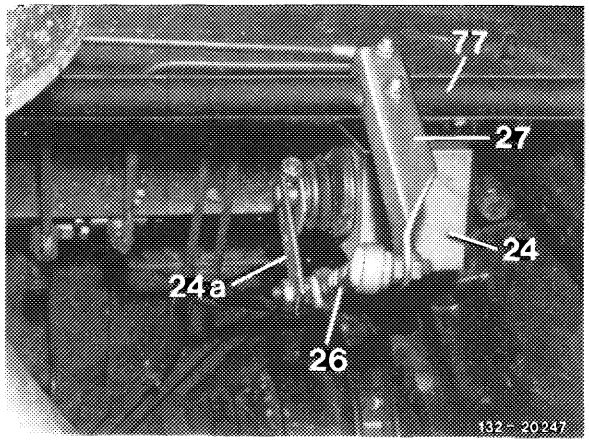
16 Connect torsion bar support to wheel carrier.

Attention!
Make sure that contact surfaces are always absolutely clean and free of grease. When tightening, pay attention to correct seat of inner bushing of rubber mounts on wheel carrier.

Tighten expanding (necked-down) screw (80c) of wheel carrier support on torsion bar only, when vehicle is resting on its wheels ready for driving.



17 Fasten connecting rod to level controller.

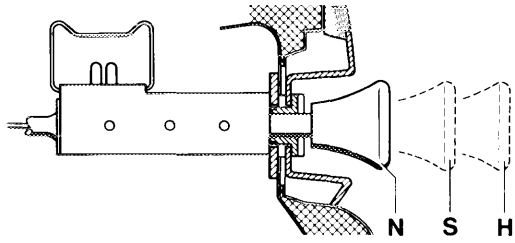


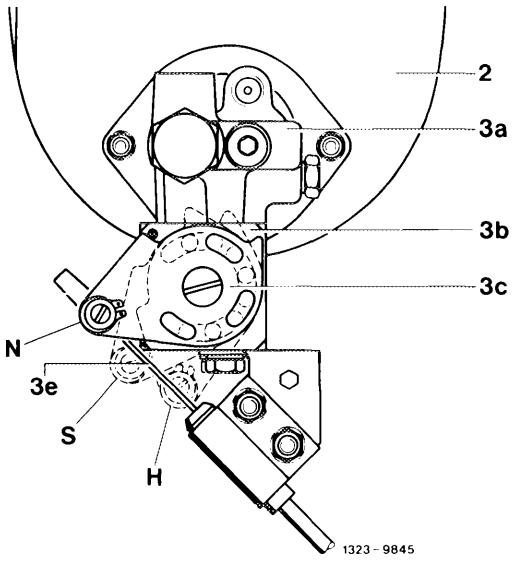
Model 126

24 Level controller
24a Lever for level controller
26 Connecting rod
27 Lever on torsion bar
77 Torsion bar

18 Move puller for adjuting switch of valve unit into position N = "normal level" (switch on instrument panel pushed down).

19 Check vehicle level and adjust (40–315).





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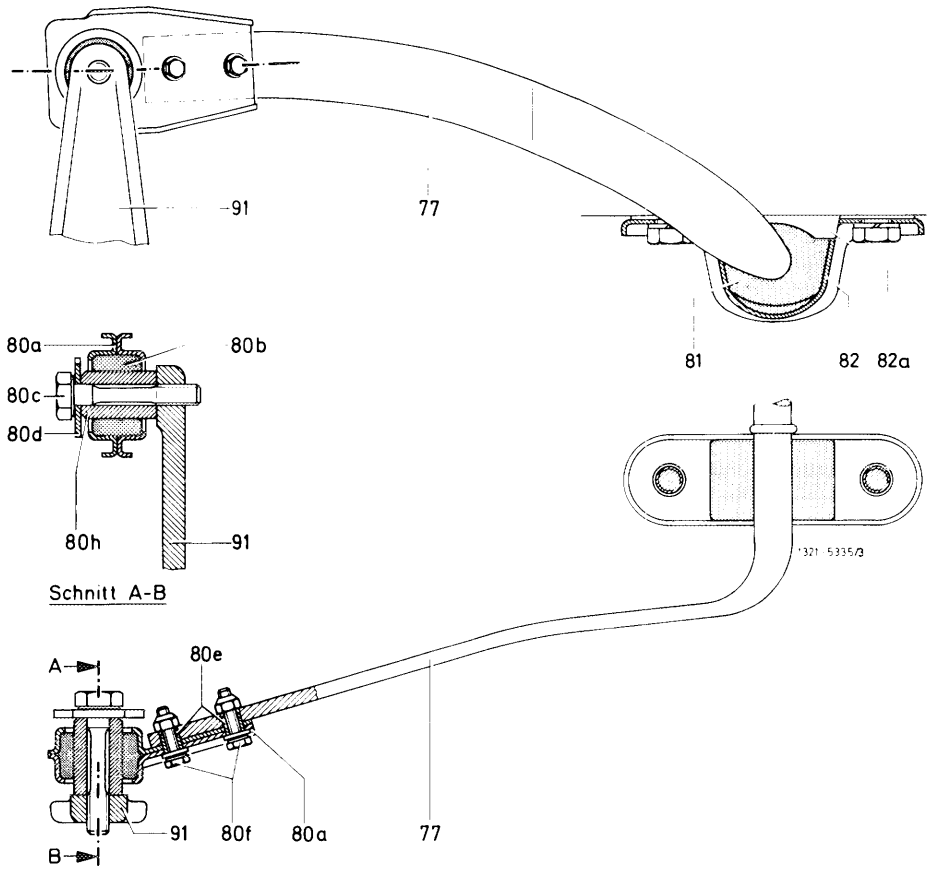

77 Torsion bar
80a Link plate
80b Rubber mount
80c Expanding screw
80d Washer
80e Clamping sleeves
80f Hex. bolts with washers and self-locking nuts
80h Inner bushing of rubber mount
81 Rubber mount for torsion bar bearing on frame floor
82 Lower holding clip
82a Upper holding clip
91 Wheel carrier