

32–300 Removal and installation of torsion bar on front axle

Torsion bar Part no.	Diameter	Rubber mount of torsion bar bearing Part no.	Bore dia.
123 323 66 65 ¹⁾	24	123 323 05 85	22–0.5
123 323 69 65 ²⁾	25	123 323 12 85	23

¹⁾ For sedans and coupes

²⁾ For sedans long, T-sedans and special vehicles (body made by others)

Tightening torques

	Nm
Hex bolt of upper control arm support on torsion bar	65
Hex nuts of torsion bar support on front wall	20

Note

To prevent any distortion of upper control arm support on torsion bar during assembly jobs, attach supporting stands used when jacking up the vehicle not against frame floor but against lower control arm.

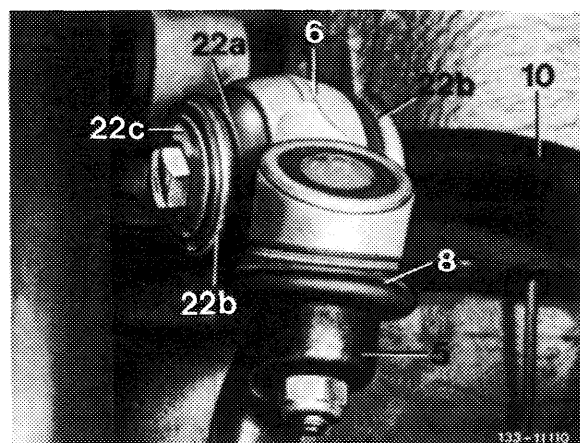
Mount and tighten torsion bar bearing on front end and support of upper control arm on torsion bar only in the position corresponding to a condition ready for driving.

Always replace self-locking nuts on principle!

Removal

- 1 Jack up vehicle at front, place jacks outside against lower control arms. Remove front wheels.
- 2 Loosen support of upper control arm on torsion bar.

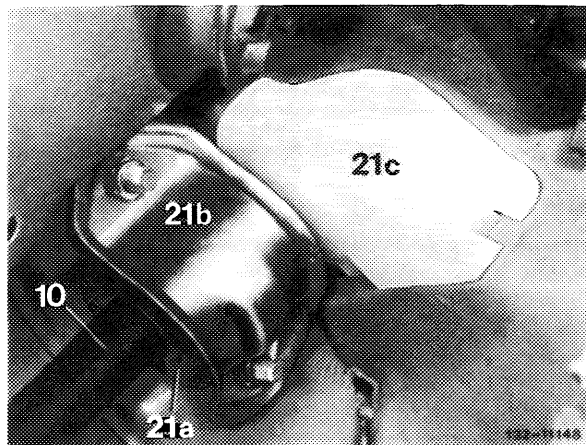
- 5 Steering knuckle
- 6 Upper control arm
- 10 Torsion bar
- 22a Rubber mount
- 22b Cup
- 22c Cone disc



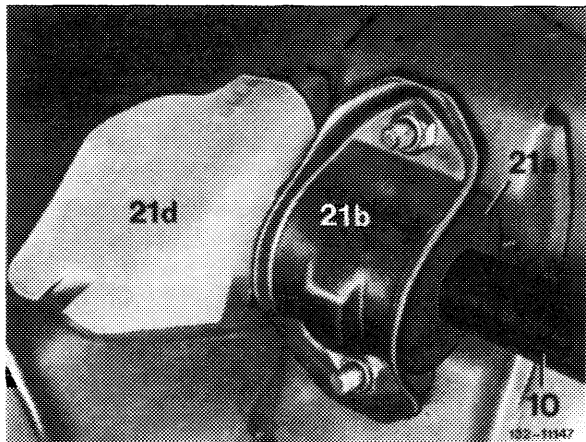
- 3 Remove tandem main cylinder and brake unit (42–310 and 350).
- 4 Remove coolant hoses and regulating linkage, if required, disconnect vacuum lines and electric cables.

- 5 Loosen hex nuts of torsion bar bearing at front wall left and right, remove holding bracket.

- 10 Torsion bar
- 21a Rubber mount
- 21b Holding bracket
- 21c Cover left
- 21d Cover right



- 6 Remove rubber mount from torsion bar.
- 7 Remove covers (21c and 21d) at left and right on front end.
- 8 Remove torsion bar.

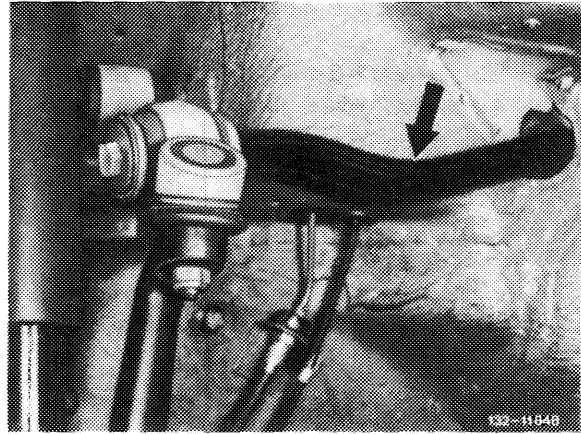


Checkup

- 9 Check rubber mounts of torsion bar bearings on front wall and support of upper control arm on torsion bar.

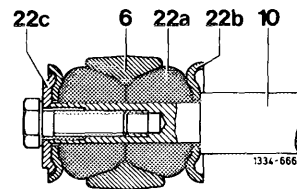
Installation

10 Introduce torsion bar in such a manner that the bend of the torsion bar arms is pointing downwards.



11 Mount support of upper control arm torsion bar.

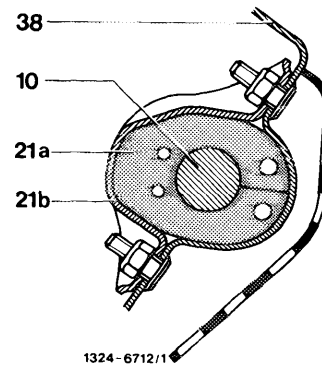
- 6 Upper control arm
- 10 Torsion bar
- 22a Rubber mount
- 22b Cup
- 22c Cone disc



12 Slip rubber mount of torsion bar bearing on front wall on torsion bar, with separating slot toward the rear.

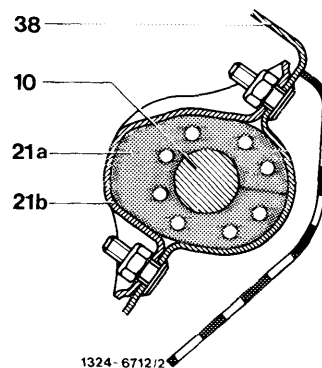
Note: Since the end of 1982 sedans and coupes are provided with rubber mounts having 8 bores as standard equipment. For sedans long, T-sedans and special vehicles (special body) the 1st version with 4 bores continues to be valid.

- 1st version
- 10 Torsion bar
 - 21a Rubber mount
 - 21b Holding bracket
 - 38 Front end



13 Mount holding bracket, make sure that the lug of the rubber mounts is seated in recess of holding bracket.

- 2nd version
- 10 Torsion bar
 - 21a Rubber mount
 - 21b Holding bracket
 - 38 Front end



- 14 Attach covers left and right on front end.
- 15 Install coolant hoses and regulating linkage, if required, connect vacuum lines and electric cables.
- 16 Install tandem main cylinder and brake unit (42–310 and 350).
- 17 Mount front wheels, lower vehicle.
- 18 Check adjustment of wheels on front axle (40–320).