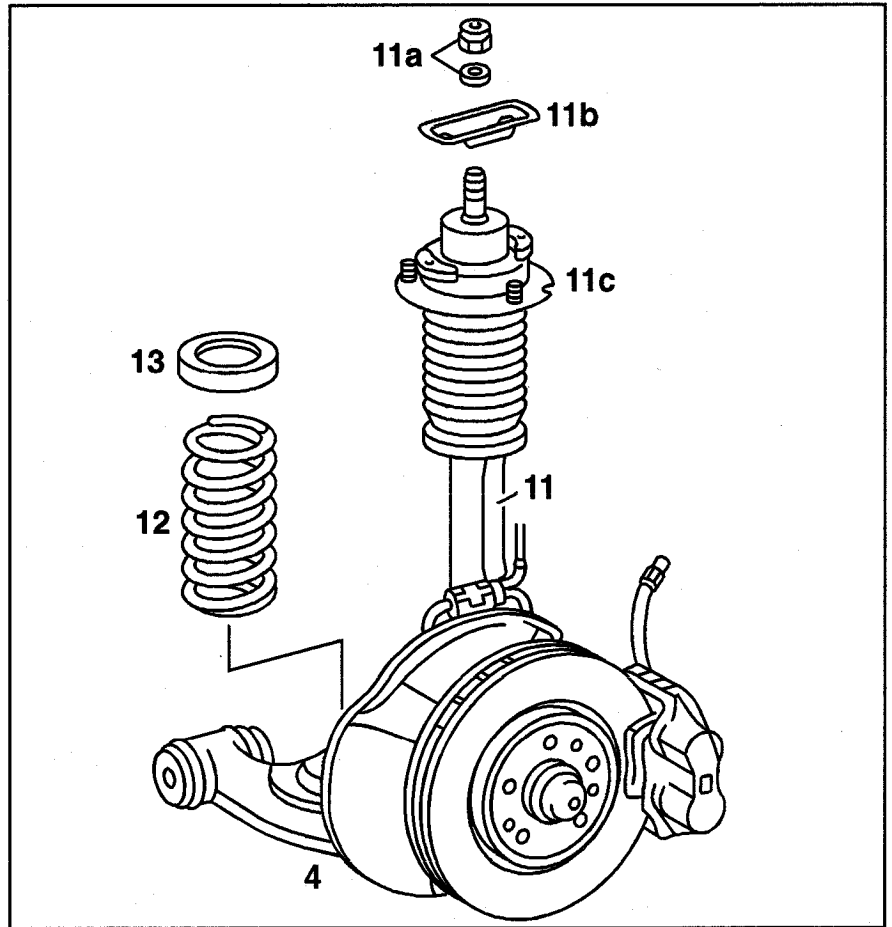


32-200 Removing and installing front spring



P32.20-0219-37

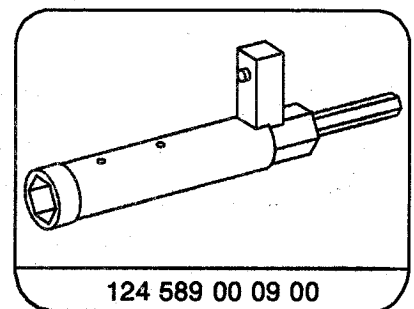
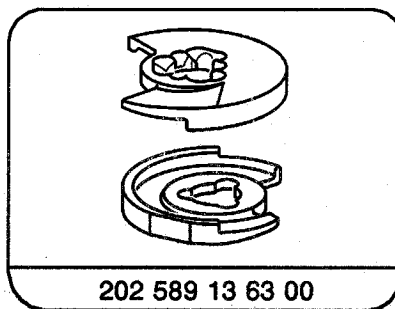
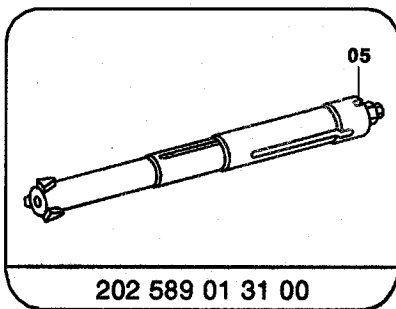
- | | |
|--|--|
| Vehicle | lift at front, lower. |
| Compressing plates for spring compressor | install (items 2 to 4). |
| Spring compressor | install (item 5). |
| Front spring (12) | compress, release (items 6, 14). |
| Wishbone (4) | support with jack or pit lift. |
| Top mount (11a, 11b) | for shock absorber strut (11), loosen if necessary, tighten. |



Observe items 7 and 13.

Front half axle	lower, lift.
Front spring (12)	remove toward front together with rubber mount (13), install (items 8, 11, 12). Use installation paste for installing rubber mount. When installing ensure that front spring is properly seated in wishbone.
Vehicle level	check at front axle (40-0300).
Headlamps	adjust (82-1130).

Special tools



Note

The shock absorber struts serve simultaneously as the rebound stop for the front wheels. For this reason loosen shock absorber strut suspension only when the vehicle is standing on the wheels, the wishbone is supported or the spring compressor is installed. Always replace self-locking hex. head bolts and nuts!

Removal

- 1 Lift vehicle at front.

32.0701-200/2

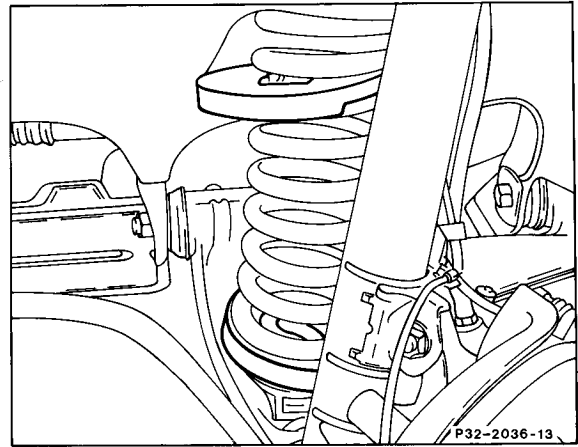
2 Insert tensioning plates approximately in center of spring.

3 Turn bottom tensioning plate until it is at the bottom.

4 Turn top tensioning plate up so that approx. 8 spring coils can be compressed.

Note

The recesses in the tensioning plates must point toward the inside of the vehicle due to the curvature of the spring.

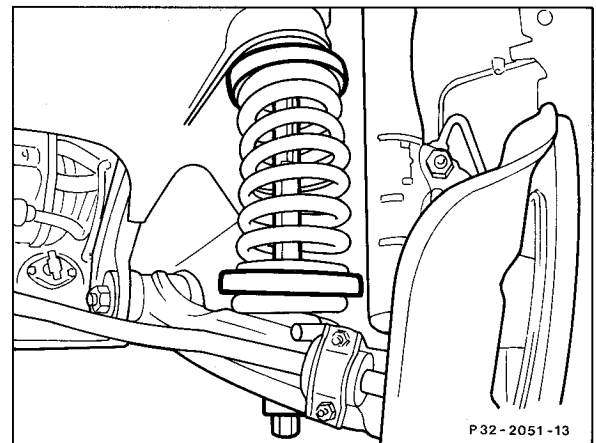


5 Insert spring compressor through wishbone into tensioning plates from below and arrest in top tensioning plate by turning.

Note

For safety reasons always ensure that the spring compressor is arrested properly in the upper tensioning plate before compressing spring.

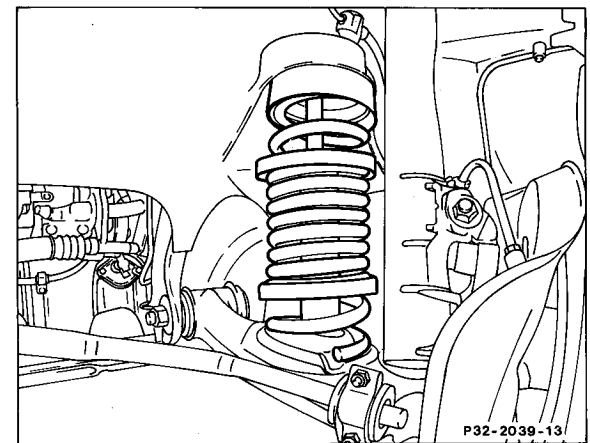
Accident hazard!



6 Compress front spring.



Do not use an impact wrench to compress the front spring. **Accident hazard!**

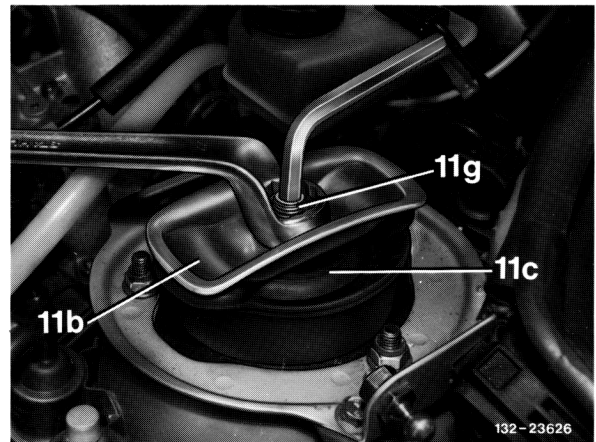


7 Loosen upper shock absorber strut mount only when front spring cannot be removed; support wishbone.



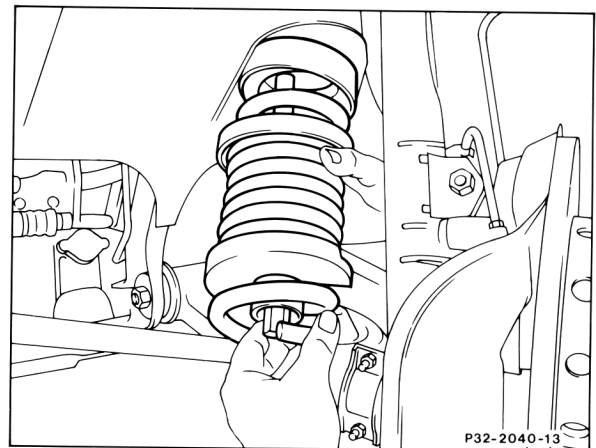
When loosening the top shock absorber strut mount observe the following:

- Hold piston rod to keep from turning with socket 124 589 00 09 00 and torque wrench 001 589 67 21 00. If not available hold piston rod with 7 or 8 mm Allen wrench.
- Do not use impact wrench.
- Do not unscrew hex. nuts when half axle suspension is completely extended.
- The wishbone must be supported.



11b Rebound stop
11c Rubber mount
11g Piston rod

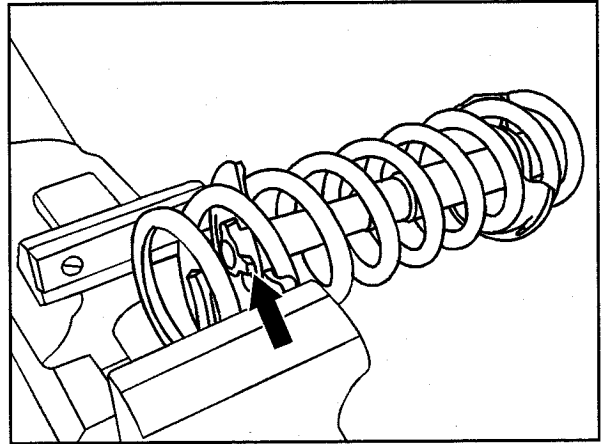
8 Lower half axle slightly and remove front spring with rubber mount toward front.



9 Clamp spring compressor in vice on flat surfaces on top tensioning plate, mark position of tensioning plate in relation to spring coil with marking chalk. Release tension on front spring. Remove spring compressor and tensioning plates.

Note

Before releasing the tension mark position of tensioning plates in relation to spring coils with marking chalk.



P32-5686-13

Installation

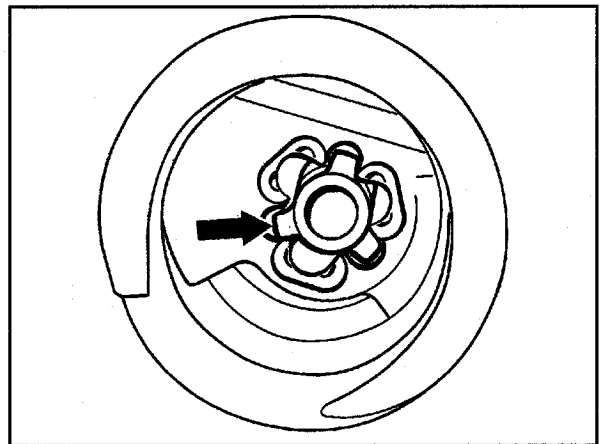
10 Tension approx. 8 coils of front spring.



Ensure that spring compressor is properly arrested in top tensioning plate (arrow).

Do not use impact wrench.

Accident hazard!



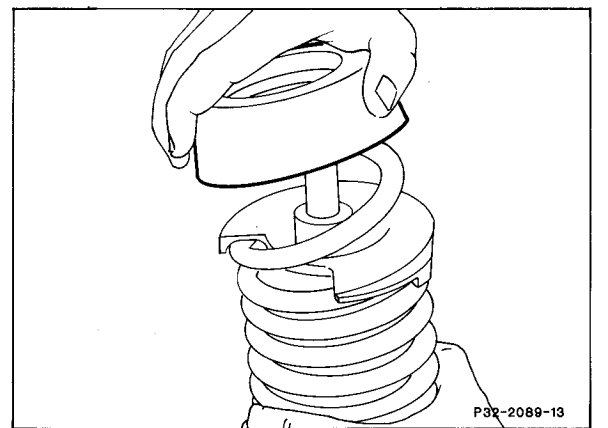
P32-5020-13

11 Position rubber mount on front spring with turning motion.

Use installation paste when installing rubber mount.

Note

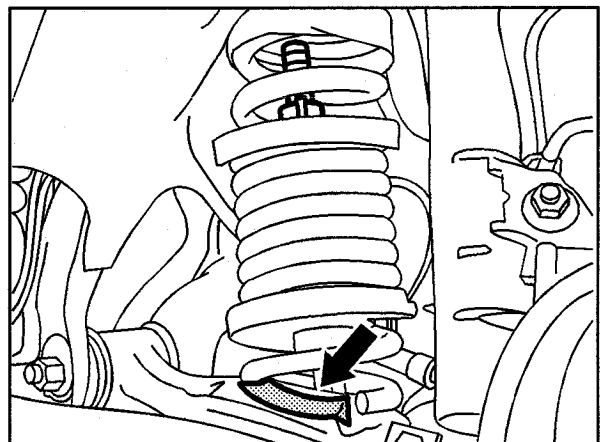
Before installing front spring ensure that the spring contact surface on the wishbone is clean.



P32-2089-13

Note

On model 124 the national versions for England and Scandinavia have zinc plate inserts (arrow) between the wishbone and front spring.



P32-5793-13

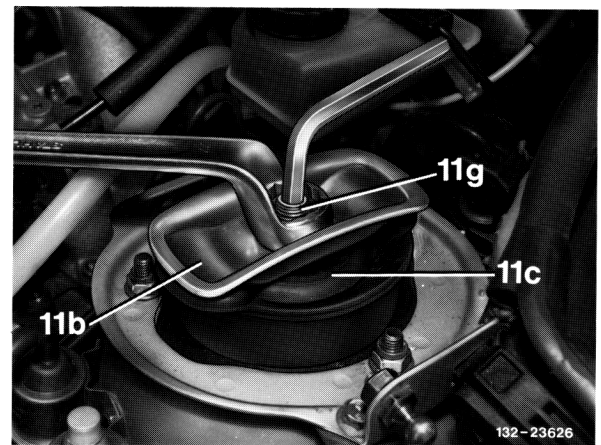
12 Position front spring so that end of coil is located in the impression in the wishbone.



13 Lift front half axle with jack and install top mount for shock absorber strut with new self-locking hex. nut. Tightening torque 60 Nm.

Note

Do not use impact wrench!



14 Release tension on front spring while ensuring that rubber mount is correctly seated in frame floor and end of spring coil is properly positioned in wishbone (arrow).



15 Lower vehicle.

16 Check vehicle level at front axle (40-0300).

Note

If the vehicle level has changed in comparison to previously by more than 20 mm, it is also necessary to check and, if necessary, correct the front wheel alignment (40-0322/0323).

17 Adjust headlamps (82-1130).

- 4 Wishbone
- 5 Steering knuckle
- 10 Torsion bar
- 11 Shock absorber strut
- 12 Front spring
- 13 Spring rubber mount
- 38 Front end

