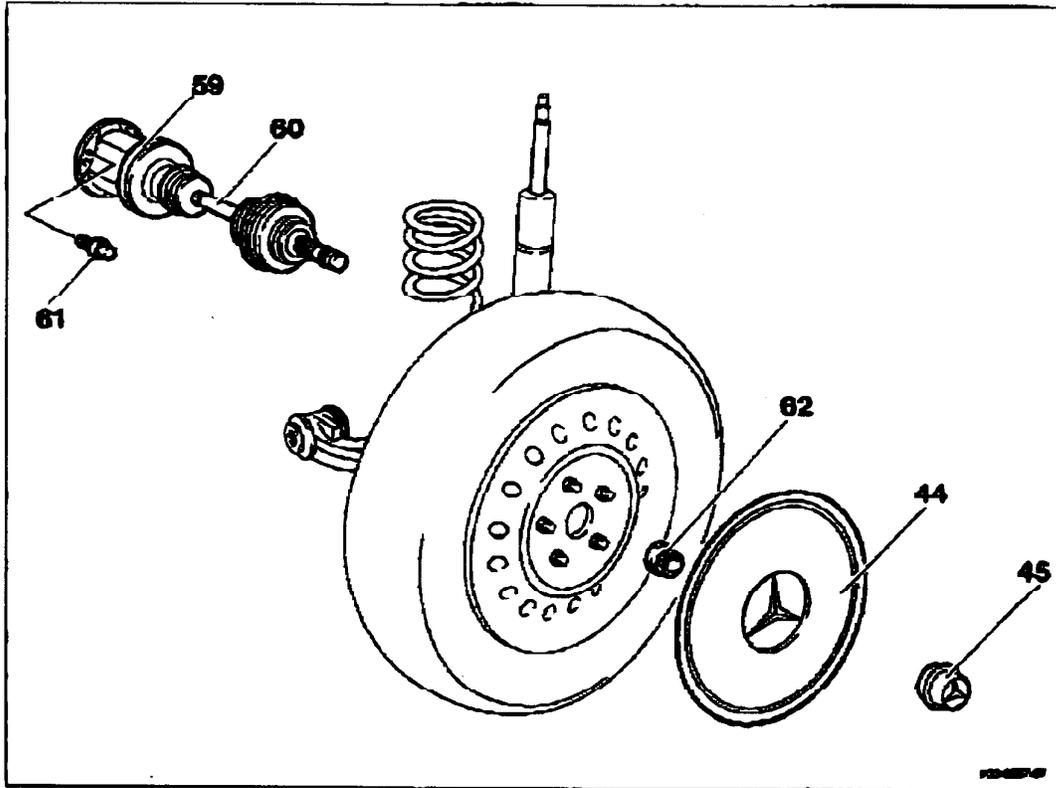


33-260 Removing and installing front axle shafts

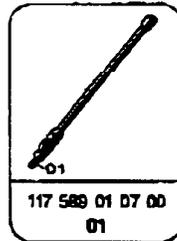
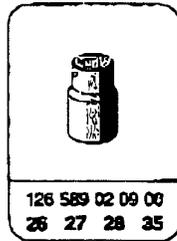
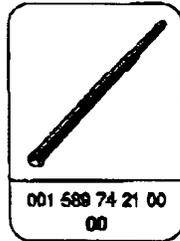
Operation No. of Operation Texts and Work Units, Standard Texts and Flat Rates _____



- Wheel cover (44) _____ remove.
- Hub cap (45) _____ remove on light alloy disc wheel, by removing the front wheel. Tightening torque of wheel bolts 110 Nm.
- Dodecagonal collar nut (62) _____ unbolt. Renew nut and lock. Tightening torque 280 - 320 Nm.
- Engine compartment cover or noise encapsulation _____ remove
- Front axle shaft (60) _____ unbolt on the inside (Number 4). Renew self-locking bolts (61).
- Tripod inner joint (59) _____ fix with binding wire (Number 5).

Visual inspection _____ (Number 9).
 Install _____ In reverse sequence (Number 10).

Special tools



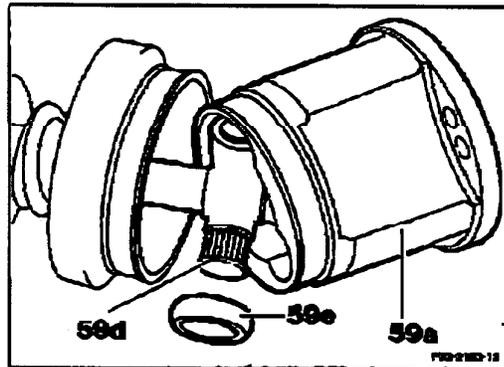
The vehicle must not be moved with the front axle shafts removed.

Renew dodecagonal collar nut and self-locking bolts!

When removing front axle shafts it should be ensured that the inner sliding cardan joint (tripod joint) is not pulled too far apart and angled, in order to prevent the tripod joint rollers (59e) falling off the spindles on the tripod crosshead (59d) (32 needles per joint roller).

Note

The right front axle shaft (green color marking) is longer than the left front axle shaft (red color marking).



59a Joint pot

Removal, installation

- 1 Remove wheel cover or hub cap.

Note

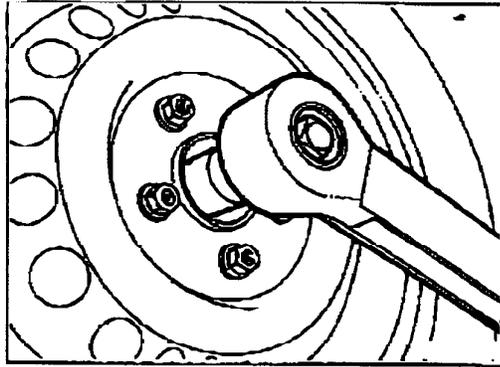
Remove light alloy disc wheel in order to remove hub cap.

- 2 Remove dodecagonal collar nut for fixing the front axle shaft.

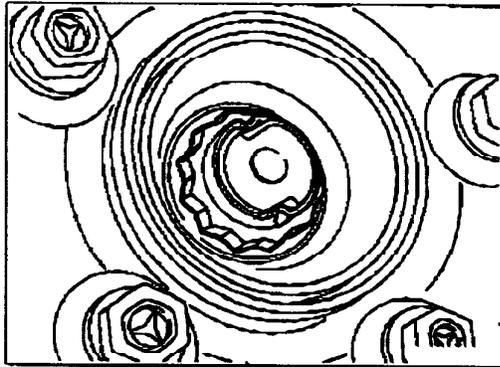
Installation note

Tightening torque 280 - 320 Nm.

Secure dodecagonal collar nut (arrow).



Secure dodecagonal collar nut (arrow).



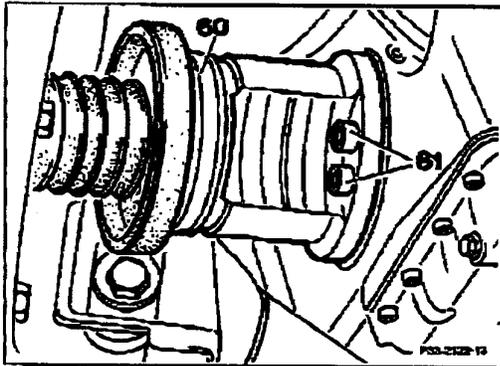
- 3 Remove lower engine compartment cover or noise encapsulation.

- 4 Unbolt front axle shaft at connecting flange with flexible head spanner.

Installation note

Renew hexagon socket screws (61).

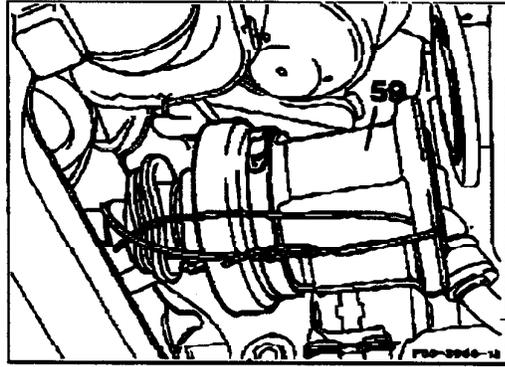
Tightening torque 70 Nm.



5 Fix inner joint (59) with binding wire when joint is in its inserted position.

6 Apply steering lock to the right up to the stop.

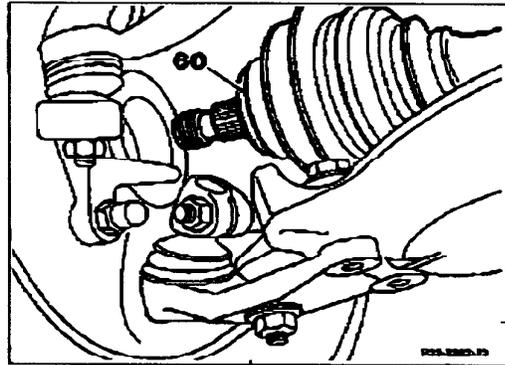
7 Slacken front axle shaft from the front axle shaft flange with plastic hammer. In the event of a firm seat press in with removal device 201 589 00 61 00.



8 Guide front axle shaft (60) upwards behind the connecting flange. Pull the shaft out of the front axle flange and remove, by pushing the vehicle down at the same time.



Ensure that front axle shaft is not excessively compressed in the axial direction, in order to prevent cover plate loosening at inner joint.



9 Check joints, rubber protective covers, cover plate and rotor teeth for leakage or damage.

10 Install in reverse sequence.