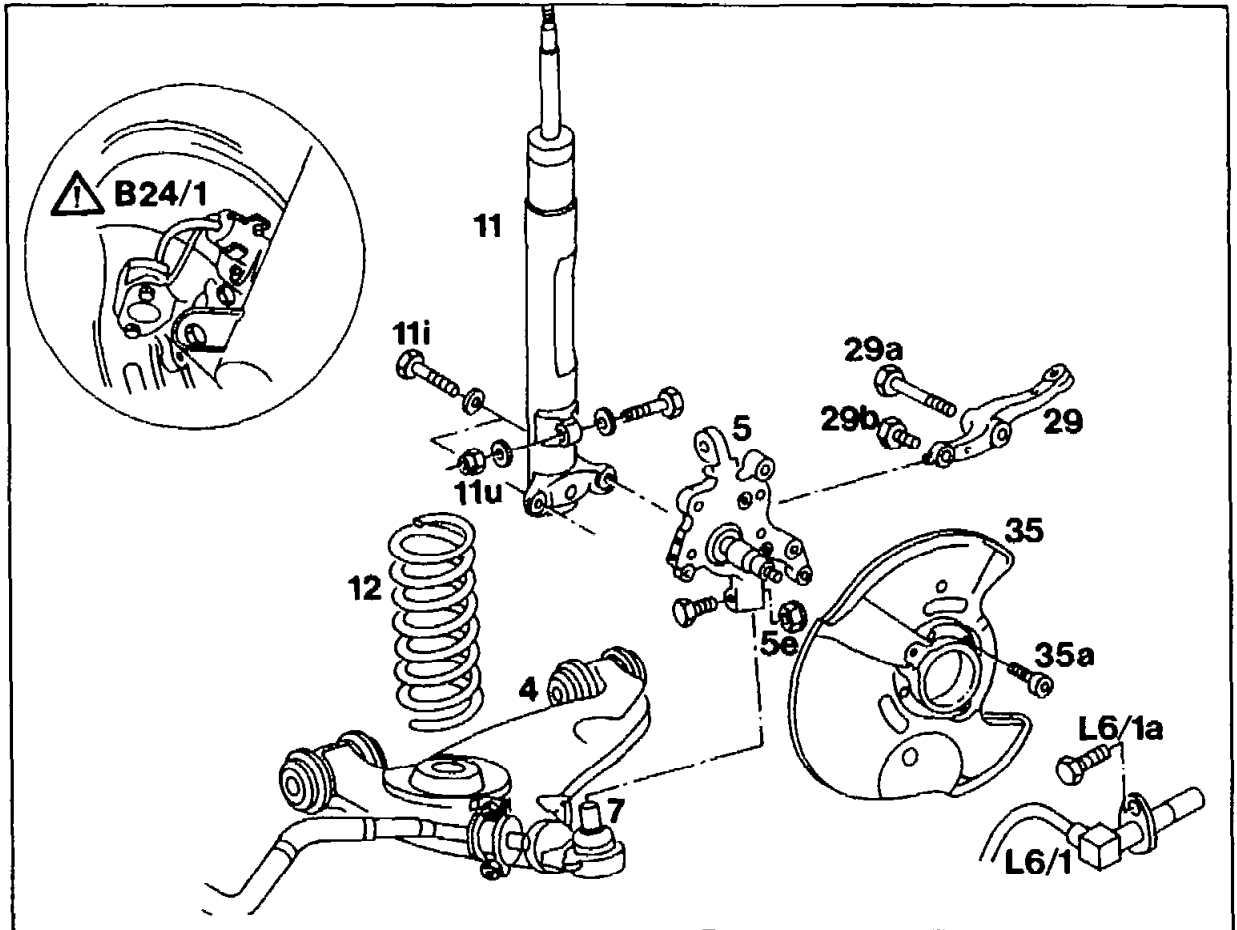


33-0400 Removing and installing steering knuckle

Preceding work:

Removing and installing front wheel (40-1450)

Removing and installing front wheel hub (33-0310)



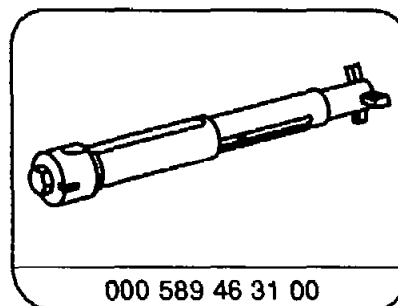
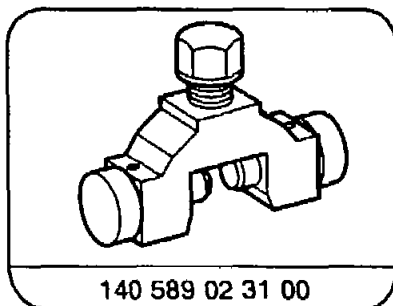
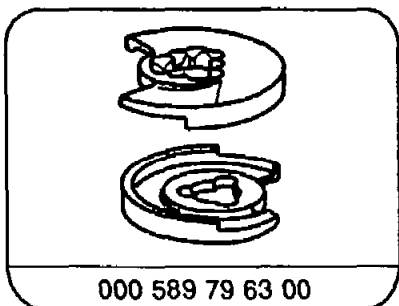
P33-5110-57

| | |
|---------------------------------|---|
| Bolts (L6/1a) | Unscrew, screw in, 8 Nm. Remove ABS speed sensor (L6/1) from steering knuckle (steps 1 and 20). |
| Bolts (35a) | Unscrew, screw in, 10 Nm. Remove, install brake guard (35) (steps 2 and 19). |
| Front spring (12) | Compress using spring clamp 000 589 46 31 00 and clamping plates 000 589 79 63 00 (steps 3 and 18). |
| Steering knuckle arm (29) | Remove, install. Replace bolts, 80 Nm (steps 4 and 13). |

Model 129 with ADS

| | |
|--|--|
| Wheel acceleration sensor (B24/1) on right-hand steering knuckle | Detach, attach (steps 5 and 14). |
| Damper strut (11) | Unscrew, screw in bolts (11i) and nut (11u). Replace nut (11u) and bolts (11i), 110 Nm. Tighten in the specified sequence (steps 6 and 15-17). |
| Steering knuckle (5) | Detach, attach at supporting joint (7). Replace nut (5e), 125 Nm (steps 7 and 12-13). |
| Stop pin in steering knuckle | Unscrew, replace, 45 Nm. |
| Supporting joint (7) in control arm | Check (33-0425). |
| Steering knuckle (5) | Check (40-0451). |
| Front wheel alignment | Check and adjust (40-0320). |

Special tools



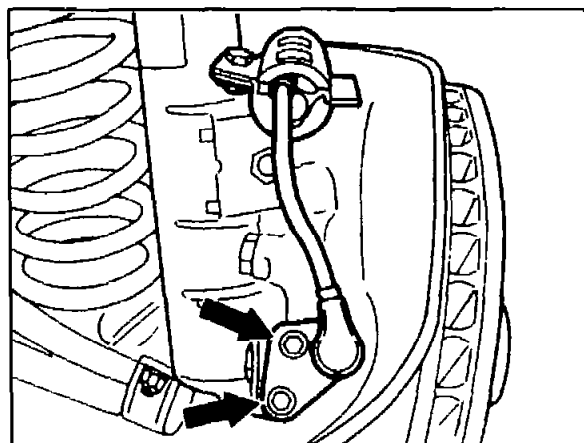
Sealant

Preservation wax

000 986 33 70 10

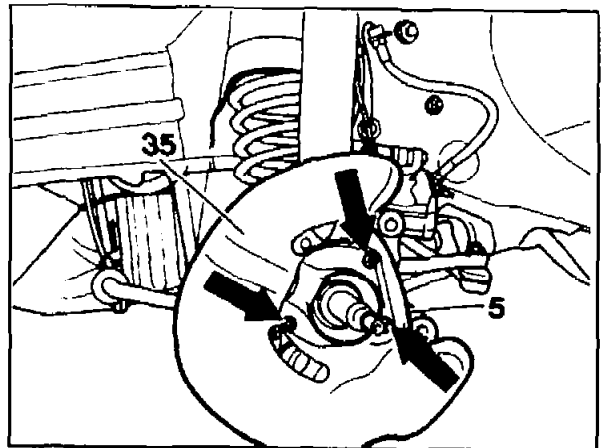
Removing

1 Unscrew bolts (arrows). Detach ABS speed sensor from steering knuckle.



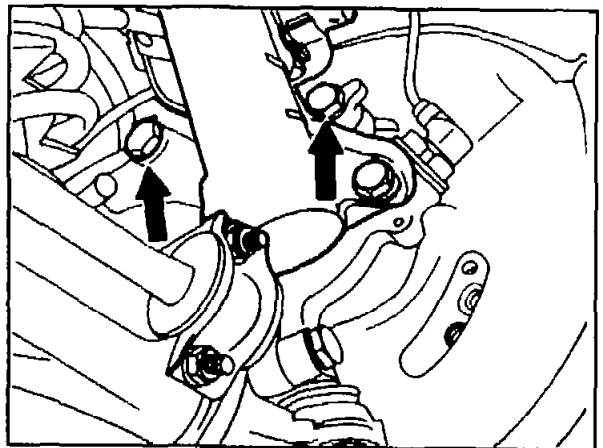
P42-2053-13C

2 Unscrew bolts (arrows). Remove brake guard (35) from steering knuckle (5).



P33-2034-13

4 Unscrew bolts fastening the steering knuckle arm to the steering knuckle.



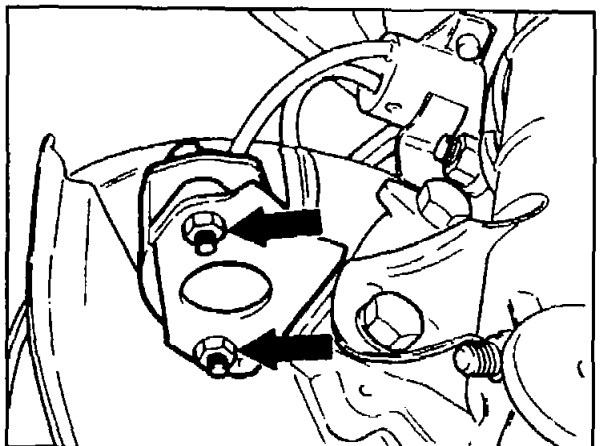
P32-2097-13A

Model 129 with ADS

5 Unscrew wheel acceleration sensor (B24/1) on right-hand steering knuckle.

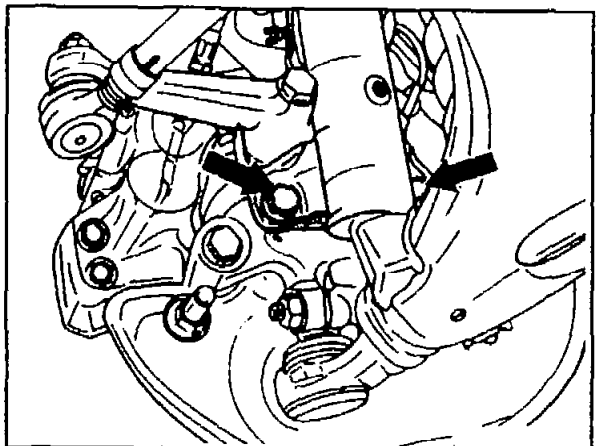
Note

The acceleration sensor is sensitive to lateral forces and impacts.



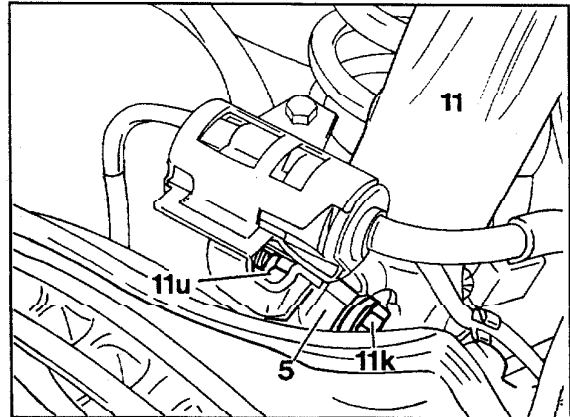
P33-2015-13

6 Unscrew bolts (arrows) and nut for fastening the damper strut. Force out bolts.



P32-2069-13

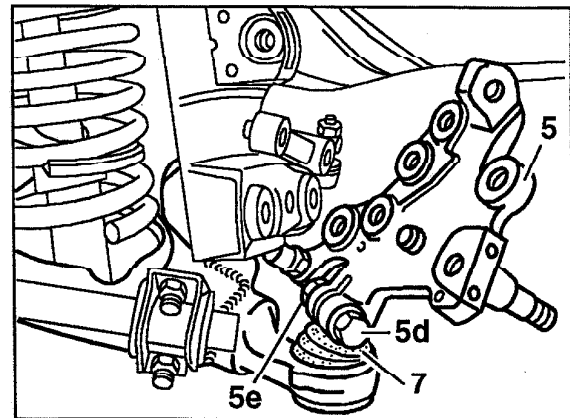
- 5 Steering knuckle
- 11 Damper strut
- 11k Hexagon bolt
- 11u Hexagon nut



P32-2071-13A

7 Remove bolt (5d) and nut (5e) clamping the steering knuckle (5) to the supporting joint (7).

8 Remove steering knuckle from supporting joint.



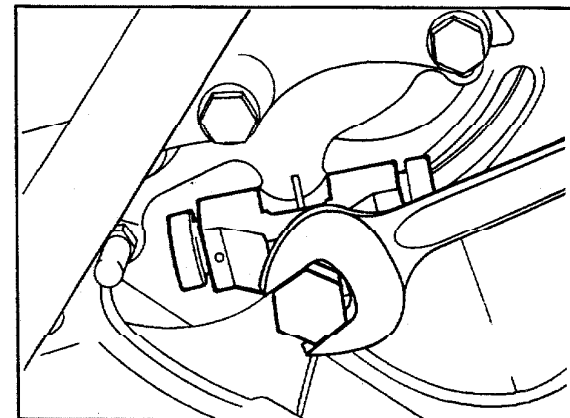
P33-5186-13

Note

If the steering knuckle is corroded, loosen the clamped joint by expanding the slot in the steering knuckle with the spreader 140 589 02 31 00.

9 Check supporting joint in control arm (33-0425).

10 Check steering knuckle (40-0451).



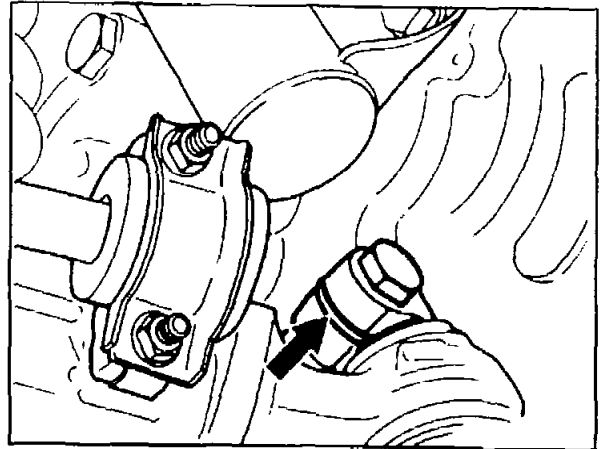
P32-2300-13

Installing

11 Replace stop pin in steering knuckle. Insert steering knuckle into supporting joint. Install bolt with new self-locking nut, 125 Nm.

12 Thoroughly pack slot (arrow) of clamped joint with preservation wax 000 986 33 70 10

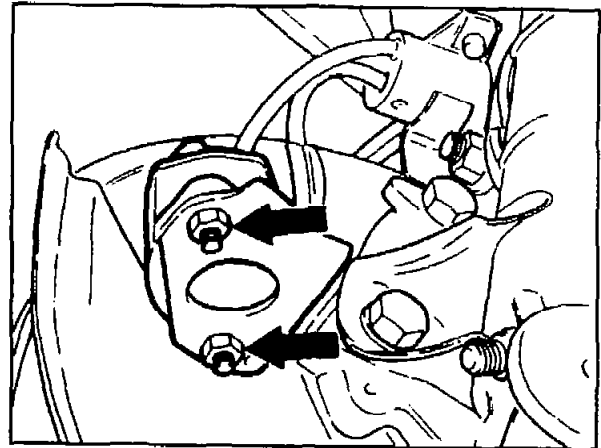
13 Install steering knuckle arm with new micro-encapsulated bolts and tighten to 80 Nm.



P32-2125-13

Model 129 with ADS

14 Screw wheel acceleration sensor (B24/1) onto right-hand steering knuckle (arrows).



P33-2015-13

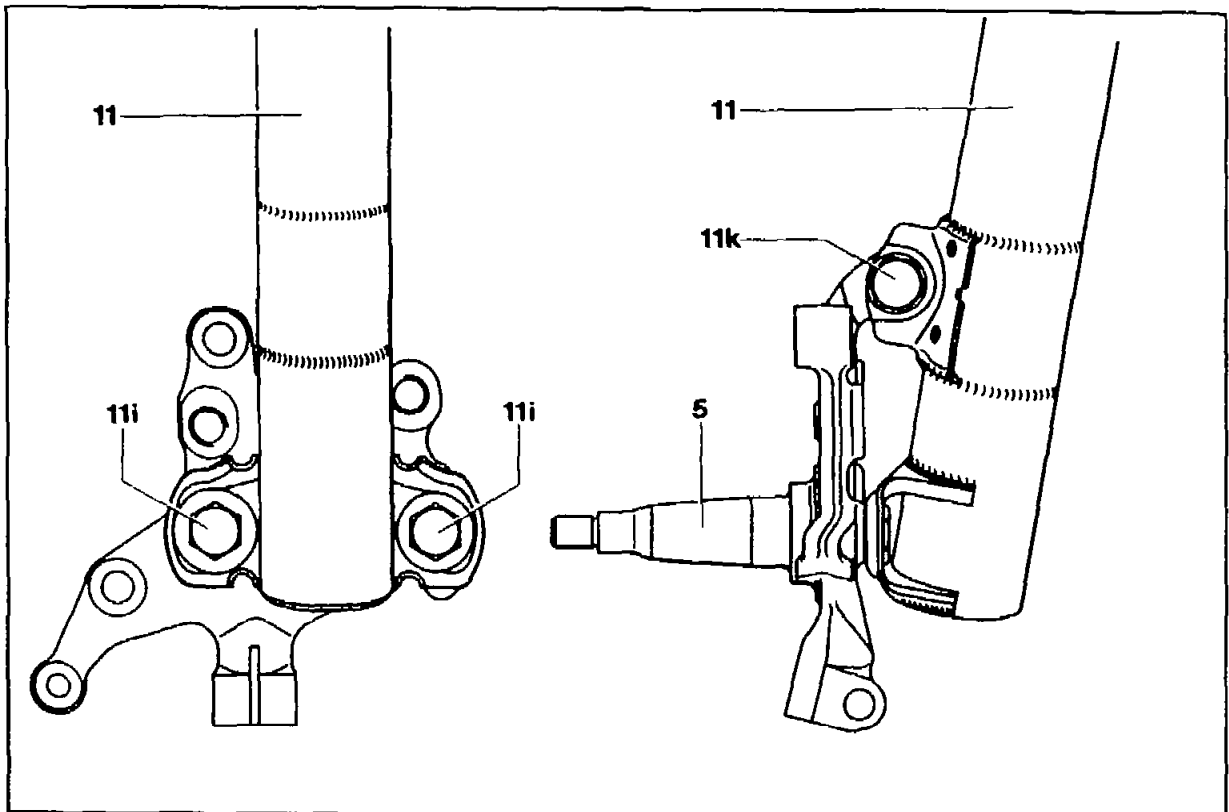
15 Connect damper strut (11) to steering knuckle (5) by screwing in the two new micro-encapsulated bolts (11i) until the damper strut makes contact. Do not tighten yet.

16 Press top of steering knuckle (5) against damper strut until it makes contact and tighten upper bolt (11k) with washers and new self-locking nut.

17 Tighten the two lower self-locking bolts (11i) to 110 Nm.

Tightening torques for upper bolt (11k) with self-locking nut:

- Model 201 up to 12/84 75 Nm
- Model 201 as of 01/85 110 Nm
- Models 124 and 129 with M12 × 1,5 110 Nm
- Typ 124 und 129 with M14 × 1,5 200 Nm



P32-0020-56

18 Unclamp or re-install front spring
(32-0200).

Note

Clean lower spring mounting in control arm and ensure that the coil end is correctly seated.

19 Install brake guard, 10 Nm.

20 Fit ABS speed sensor and bolt on.

21 Install front wheel hub (33-0310).

22 Check and adjust front wheel alignment
(40-0320).