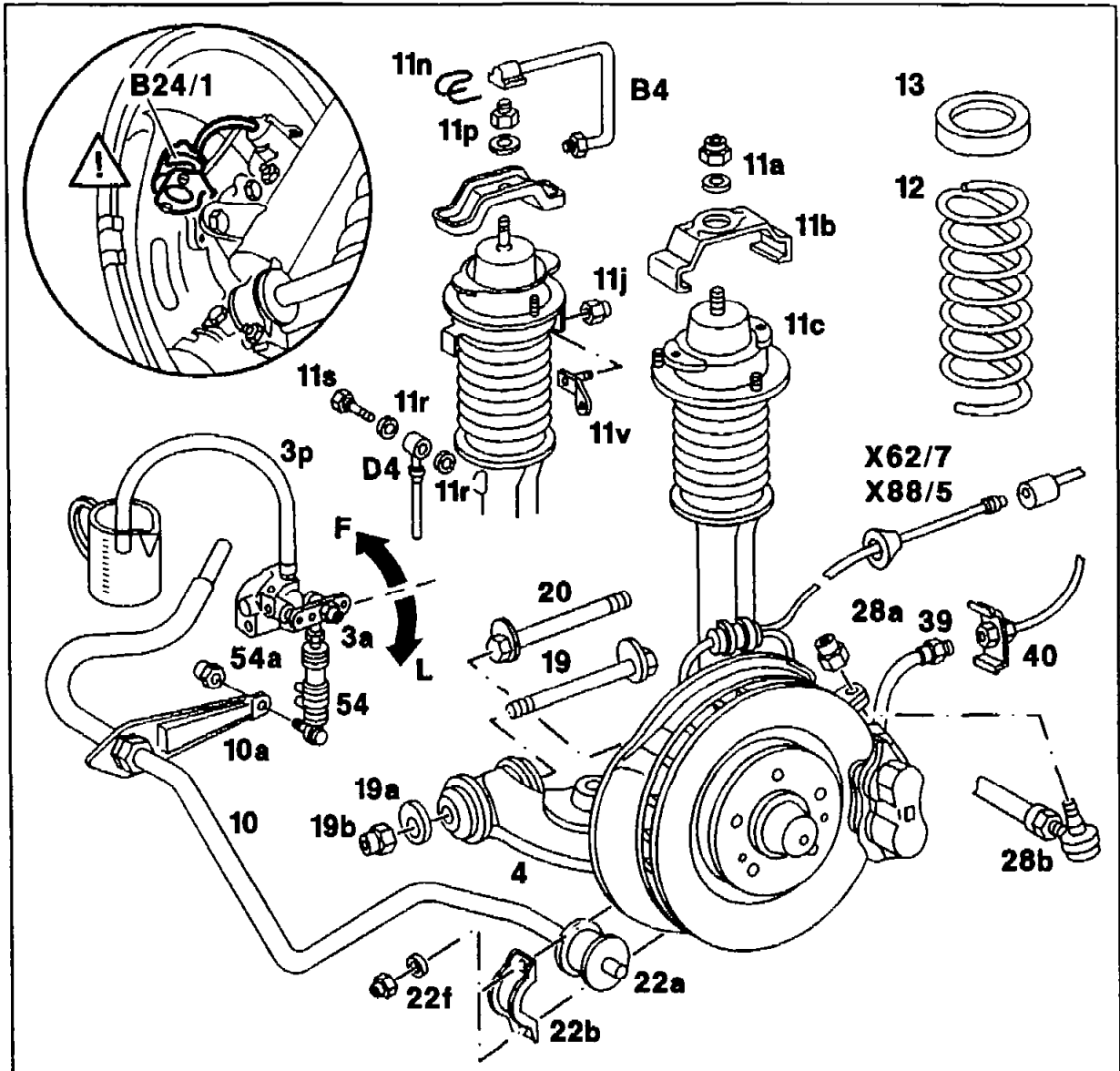


33-0200 Removing and installing front axle halves

Preceding work:

Removing and installing front wheel (40-1450).

Removing and installing lower engine compartment panel.



P33-5356-59

- | | |
|--|--|
| Torsion bar bracket (22b) | Remove, install. Replace nut (22f), 20 Nm (step 1). |
| Front spring (12) and rubber mount (13) | Remove, install (32-0200). |
| Nut (28a) of track rod on steering knuckle arm | Unscrew, replace, screw on. Force off track rod ball joint (28b) using puller and thrust piece (step 3). |

Brake hose (39) Disconnect from brake line (40), connect, 15 Nm (step 4).



Ensure that the brake hose is not twisted when connecting. Bleed brake system (42-0010).

Brake pads sensor intermediate plug connector (X88/5) Disconnect, connect (step 5).

Front axle distributor plug connection (X62/7) Disconnect, connect. Pull front axle cable harness with cable grommets down on both sides and remove (step 6).



Model 129 with ADS

Wheel acceleration sensor (B24/1) on right-hand steering knuckle Detach, attach (step 7).

Vehicles with level reduction

Control rod Disconnect, connect (step 8)
Lever on level controller In position "L" (emptying: lowered level)
Hose Connect to bleed screw (3p).
Oil drain plug (3p) Open carefully and release pressure. When installing, fill pressure oil system and check for leaks (32-0630).

Pressure line (B4) Disconnect, connect
Return line (D4) Disconnect, connect
Retainer (11v) Remove, install.

Nut (11a) or threaded sleeve (11p) Unscrew and remove rebound and compression stop (11b). Replace nut (11a) or threaded sleeve (11p), 60 and 80 Nm respectively (step 9).

Nuts on eccentric bolts (19 and 20) Unscrew. Support control arm. Force out, insert eccentric bolts. Replace nuts, 120 Nm.



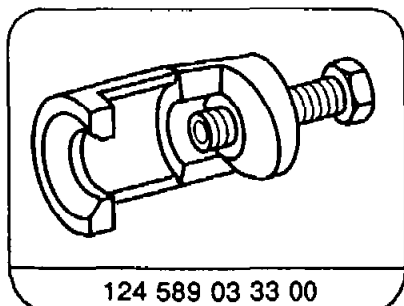
Only tighten the eccentric bolts when the vehicle is standing on its wheels (ready to drive).

Front wheel alignment Check (40-0320).

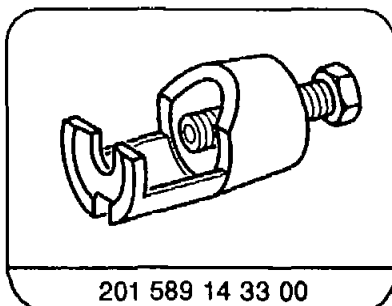
Front axle half Remove, install. Check rubber mount (22a) of torsion bar (10).



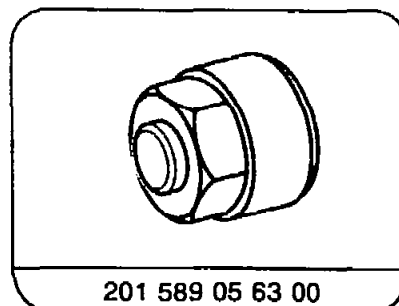
Special tools



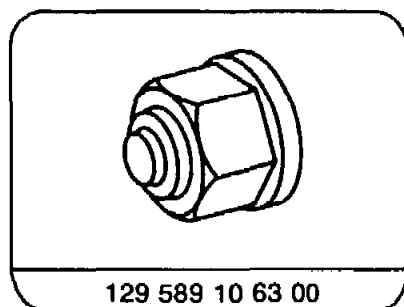
124 589 03 33 00



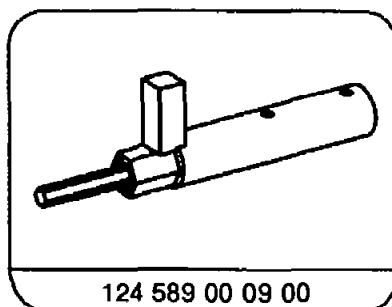
201 589 14 33 00



201 589 05 63 00



129 589 10 63 00



124 589 00 09 00

Commercially available tools and testers, MB testers (see Workshop Equipment Manual)

Designation

e.g. Messrs., order no.

Double-head box wrench 9 × 11

Hazet, D-42857 Remscheid,
Order no. 612

Risk of accident!

The damper strut simultaneously acts as the rebound stop for the front wheel. Only disconnect the damper strut mountings when the front spring is removed.

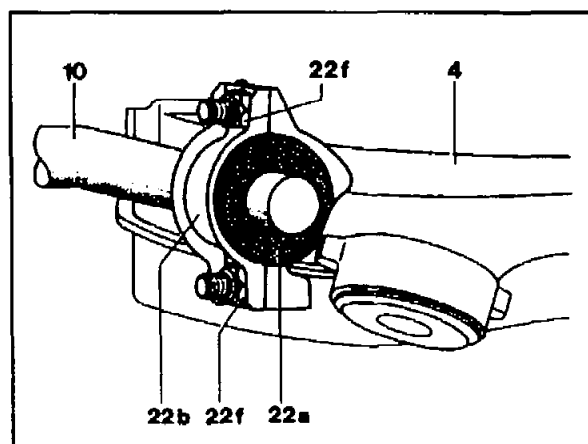
Removing and installing

1 Unscrew nuts (22f) for fastening the torsion bar and remove bracket (22b).

Installation note

Replace self-locking nuts (22f), 20 Nm.

- 4 Control arm
- 10 Torsion bar
- 22a Rubber mount
- 22b Bracket
- 22f Self-locking nuts



P32-0022-13

2 Remove front spring and rubber mount (32-0200).

3 Remove nut on track rod. Force track rod ball joint (28b) out of steering knuckle arm (29) using puller (040) and thrust piece (041). Check rubber boot for damage (46-7007).

Puller (040)

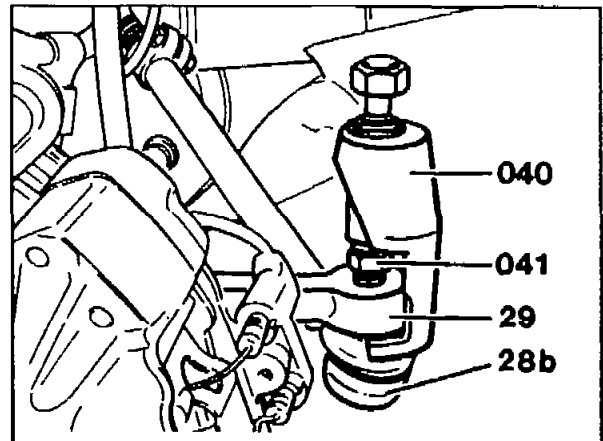
Models 124 and 129 124 589 03 33 00

Model 201 201 589 14 33 00

Thrust piece (041)

Models 124 and 201 201 589 05 63 00

Models 124.034/036, 129 129 589 10 63 00



P46-5179-13

Installation note

Replace nut,

35 Nm Models 124, 201

(except 124.034/036)

50 Nm Models 124.034/036, 129

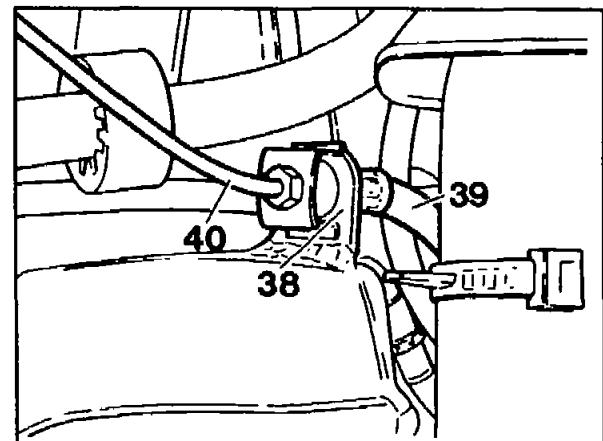
4 Disconnect brake line (40) from brake hose (39) on front end (38). Seal off lines to prevent penetration of dirt.

Installation note

Bleed brake system and check for leaks (42-0010). Tightening torque of brake line, 15 Nm.

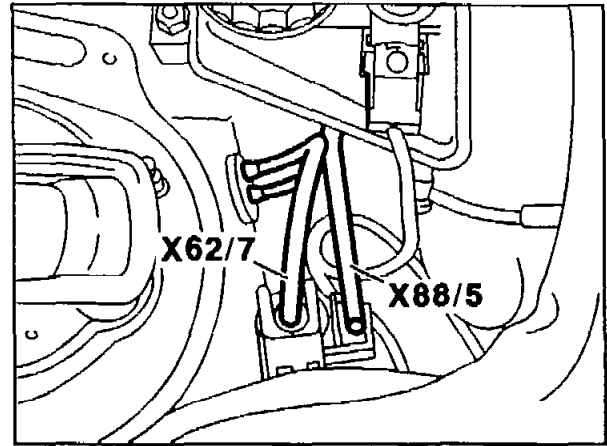


Ensure that the brake hose is not twisted when connecting and that it is routed so that it cannot chafe. To check, turn the steering to full left and right lock while fully expanding and compressing the springs of the front axle half.



P33-5179-13

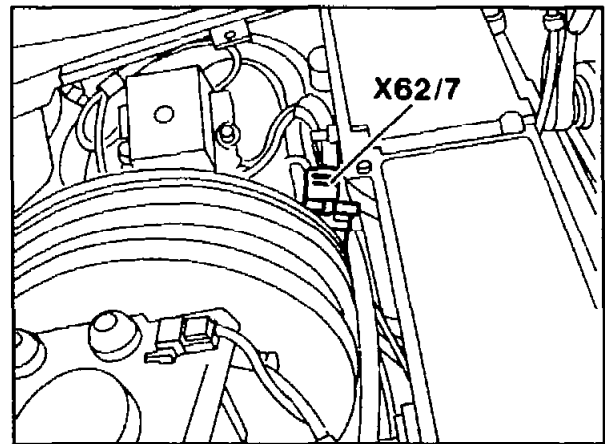
5 Disconnect brake pads sensor intermediate plug connector (X88/5) in engine compartment and pull through the wheelhouse.



P33-5357-13

Models 124 and 201

6 Disconnect front axle distributor plug connection (X62/7) and pull through the wheelhouse.



P54-2058-13

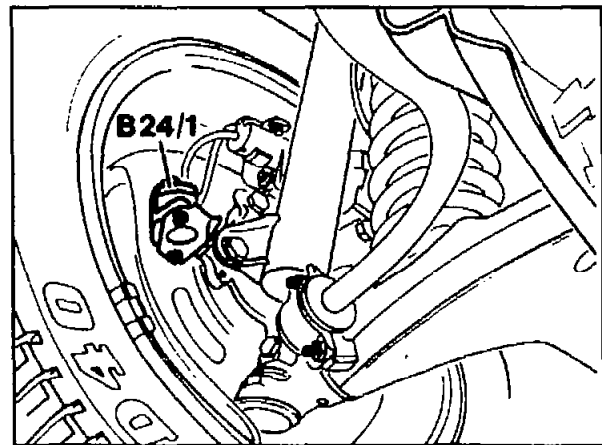
Model 129



7 On model 129 with ADS pay attention to the wheel acceleration sensor (B24/1) on the steering knuckle when removing the right-hand axle half.

Note

The acceleration sensor is sensitive to lateral forces and impacts.



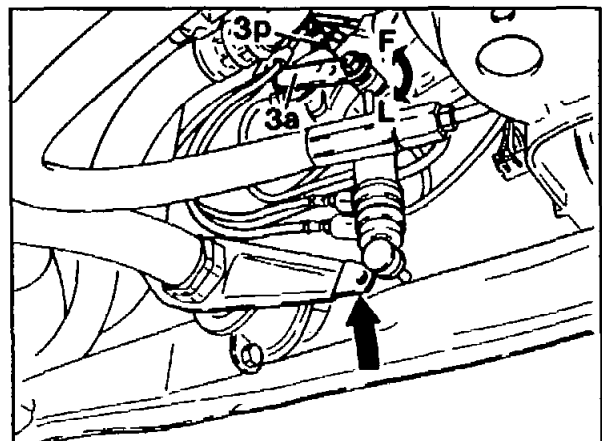
P32-2324-13

Vehicles with level reduction

8 Disconnect control rod at torsion bar linkage (arrow)

Move level controller lever (3a) to position "L" (emptying).

Connect hose to oil drain plug (3p) and hold other end in the oil reservoir.

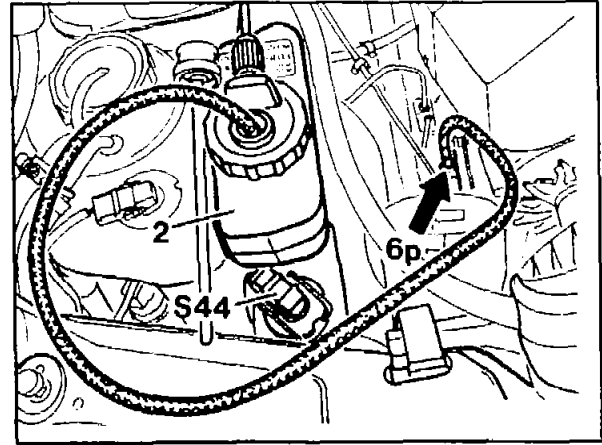


P33-5180-13

Release pressure by carefully opening oil drain plug (6p) while holding the hose securely

Installation note

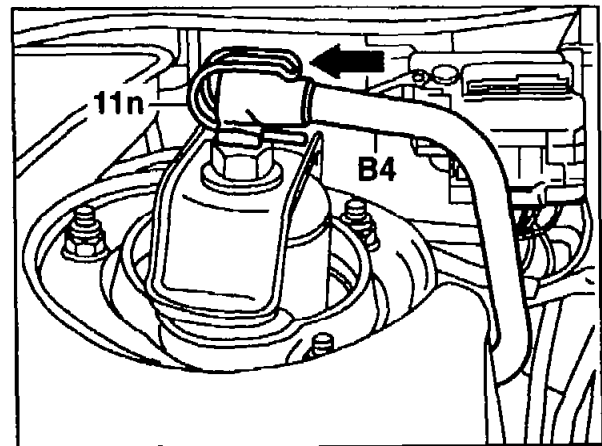
Fill pressure oil system and check for leaks (32-0630).



P32-2338-13

Model 129

Lift rear end (arrow) of bracket (11n) and pull out forwards. Disconnect pressure line (B4).



P33-5358-13

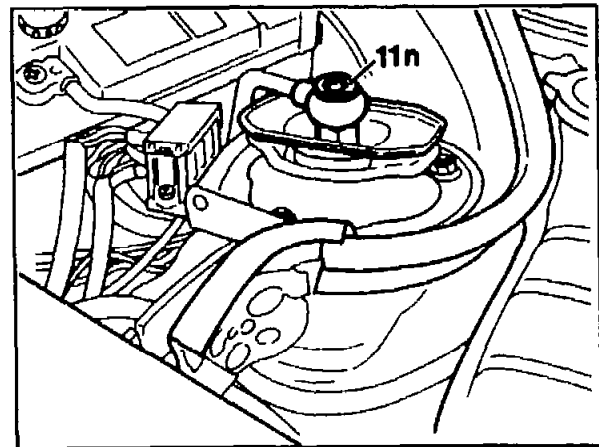
Model 129

Model 201.03

Unscrew special screw (11n) and remove sealing rings and pressure line.

Installation note

Replace sealing ring. Tighten special screw to 20 Nm.



P32-2293-13

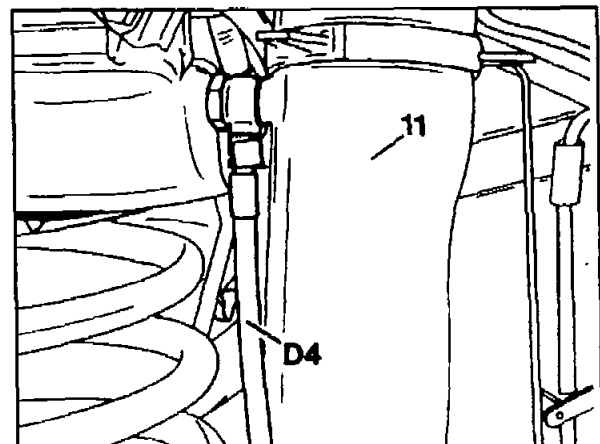
Model 201.03

Disconnect return line (D4) at spring strut (11). Seal off spring strut and return line with plugs.

Installation note

Replace sealing ring.

Tightening torque of return line 10 Nm.

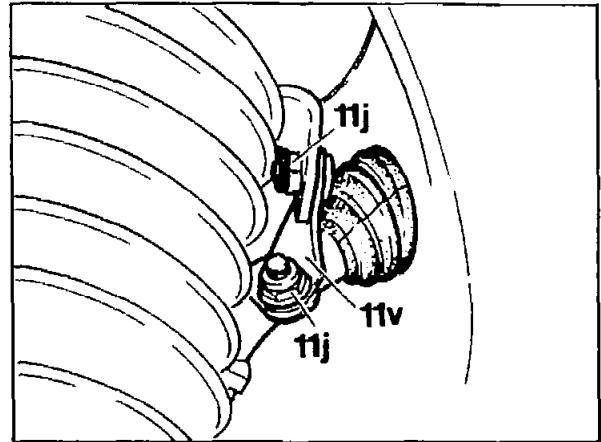


P33-2019-13

Unscrew nuts (11j). Remove retainer (11v).

Installation note

Replace self-locking nuts.

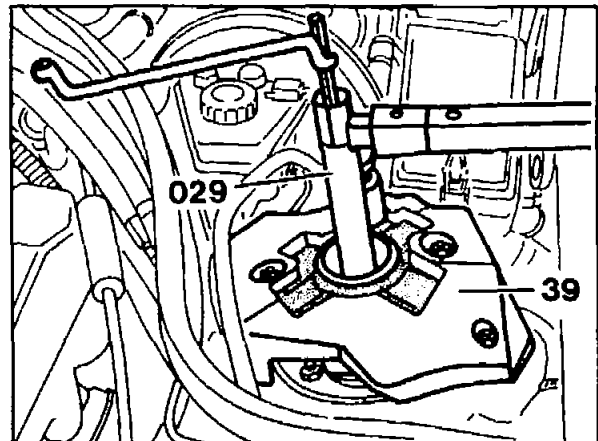


P33-5181-13

9 Unscrew nut of upper damper strut mounting, or threaded sleeve on vehicles with level control, and remove rebound stop from rubber mount. Use socket wrench (029) 124 589 00 09 00.

Installation note

- Replace self-locking nut, 60 Nm.
- Threaded sleeve Model 201: 60 Nm
 Model 129: 80 Nm

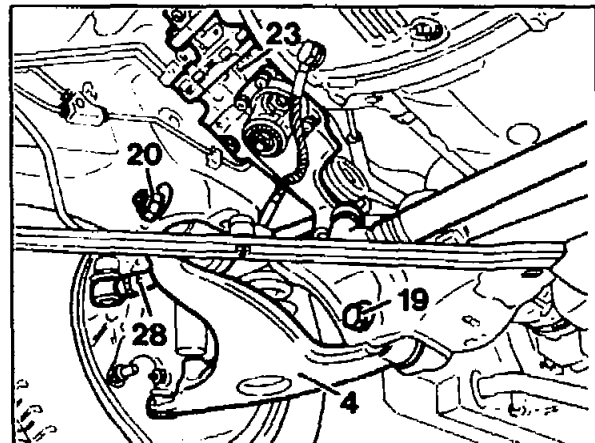


P32-5549-13

10 Unscrew nuts of eccentric bolts (20 and 19) and remove eccentric bolts.

Installation note

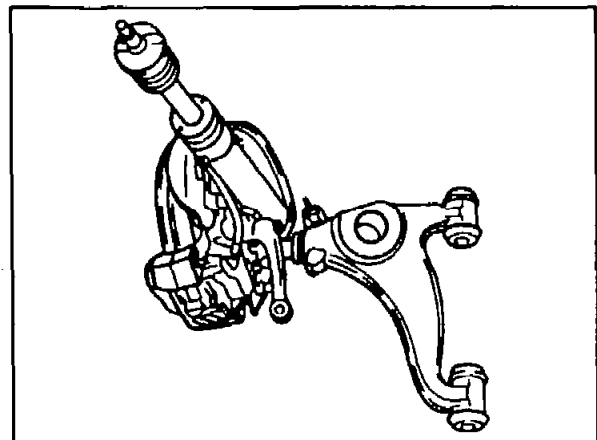
Install front eccentric bolts from rear to front and rear eccentric bolts from front to rear. **Only tighten the eccentric bolts when the vehicle is standing on its wheels (ready to drive).** Replace self-locking nuts, 120 Nm. Measure and align front axle (40-0320).



P40-2061-13

11 Remove front axle half. Check rubber mount of torsion bar.

12 Install in the reverse sequence



P33-2017-13