

**Tightening Torques**

		Nm	(mkg)
Hex. nuts of track rod ball joint	M 10 x 1	35	(3.5)
Hex. bolts of upper control arm bearing	M 12 x 1.5	60	(6)
Hex. nuts of cam bolts for lower control arms	M 14 x 1.5	120	(12)
Hex. nuts of lower shock absorber suspension	M 8	20	(2)

**Special Tools**

Cradle for pit lift	115 589 03 63 00
Intermediate angle piece for pit lift	115 589 02 63 00
Remove for track rod	136 589 12 33 00

**Note**

The front shock absorbers are serving simultaneously as a deflection stop for the front wheels. Therefore loosen shock absorber suspension only when the vehicle is on its wheels or when the lower control arm is supported.

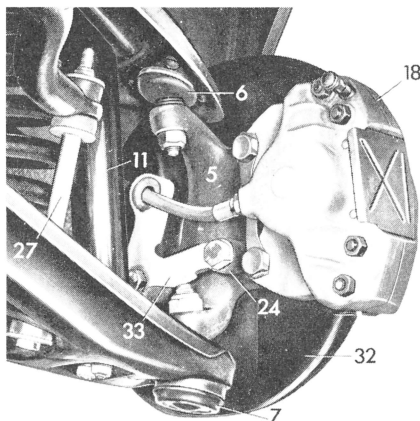
**Removal**

Fig. 1

- |                         |                                      |
|-------------------------|--------------------------------------|
| 5 Steering knuckle      | 27 Torsion bar connecting linkage    |
| 6 Guide joint           | 32 Cover plate for front wheel brake |
| 7 Supporting joint      | 33 Holder for brake hose             |
| 11 Front shock absorber |                                      |
| 18 Brake caliper        |                                      |
| 24 Steering knuckle arm |                                      |

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- 1 Loosen lower shock absorber suspension (Fig. 1).
- 2 Jack-up vehicle at the front, remove front wheel.
- 3 Loosen connecting linkage of torsion bar (Fig. 2).

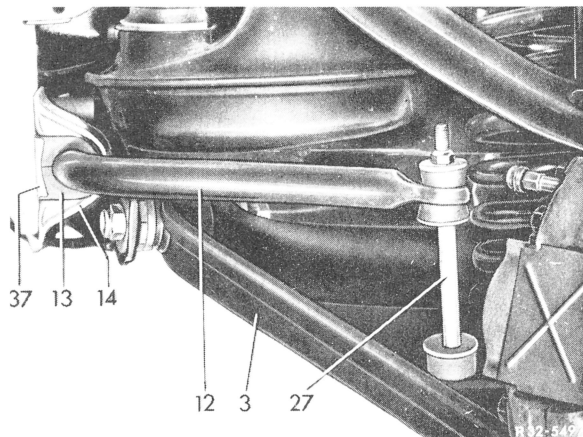


Fig. 2

- |                                 |                                   |
|---------------------------------|-----------------------------------|
| 3 Lower control arm             | 27 Torsion bar connecting linkage |
| 12 Torsion bar                  | 37 Safety plate for rubber mount  |
| 13 Rubber mount for torsion bar |                                   |
| 14 Holder for rubber mount      |                                   |

- 4 Remove front spring (32.1-200).
- 5 Separate brake line and brake hose from each other. Close connections with rubber plugs (Fig. 3).

# 33.1 Removal and Installation of Front Axle Halves

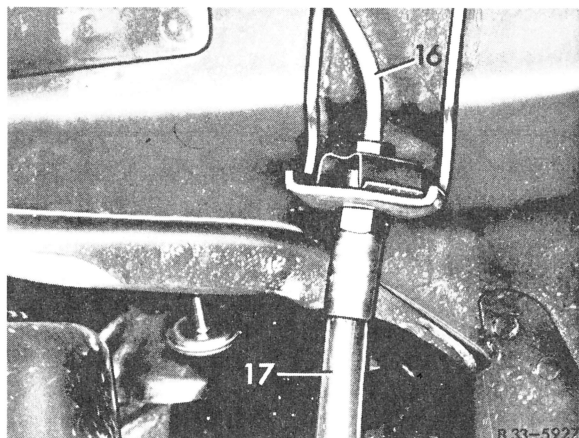


Fig. 3

16 Brake line

17 Brake hose

**6** Remove track rod from steering knuckle arm (Fig. 4).

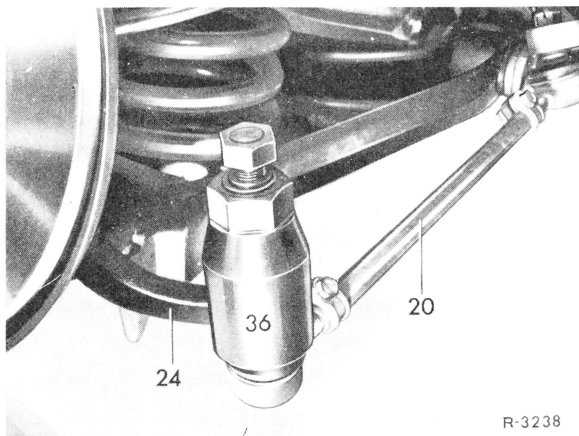


Fig. 4

20 Track rod

36 Remover

24 Steering knuckle arm

**7** Loosen both hex. bolts of upper control arm bearing (Fig. 5).

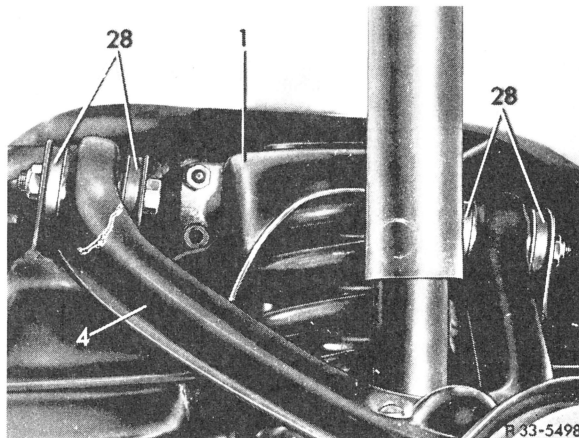


Fig. 5

1 Front axle carrier

28 Rubber slide bearing

4 Upper control arm

## Installation

**8** Attach upper control arm to front axle carrier, making sure that the sealing lips of the rubber slide bearings are not damaged.

**The front bolt** of the two hex. bolts is **always** mounted **from the rear forward**, the rear bolt **from the front rearward**.

**9** Install front spring (32.1-200).

**Attention!** Only tighten the excentric bolts for the lower control arms **if the vehicle is in driving condition and standing on its own wheels**.

**10** Attach torsion bar connecting linkage and shock absorber to lower control arm.

**11** Mount track rod to steering knuckle arm. ("Brakes, Steering" 46.1-530 or 46.2-530).

**12** Connect brake hose to brake line.

**Attention!** Check that brake calipers have the same plunger dia. ("Brakes, Steering" 42.1-100 or 42.2-100).

**13** Bleed braking system ("Brakes, Steering" 42.0-010).

**14** Check front axle wheel adjustment (40.1-320).