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2.2 TIGHTENING TORQUES

The tightening torques stated in this paragraph are different from the standard tightening torques stated in the overview of the standard tightening torques. The other threaded connections which are not stated must therefore be tightened to the tightening torque stated in the overview of standard tightening torques.

When attachment bolts and nuts are to be replaced, it is important - unless stated otherwise - that these bolts and nuts are of exactly the same length and property class as the removed ones.

U-bolt nuts

MODEL	FRONT AXLE	REAR AXLE
LF45 all models	215 Nm*	468 Nm*
LF55 13 - 15 ton GVW	468 Nm*	468 Nm*
LF55 16-18 ton GVW Leaf suspension	537 Nm*	537 Nm*
LF55 16-18 ton GVW Air suspension	537 Nm*	880 Nm*
LF55 FAN steered rear axle		468 Nm*

* Tighten the U-bolt nuts evenly and alternately.

Shock absorbers

If using self-locking nut M14x2

52 Nm

Front axle torque rod locking nut

LF45

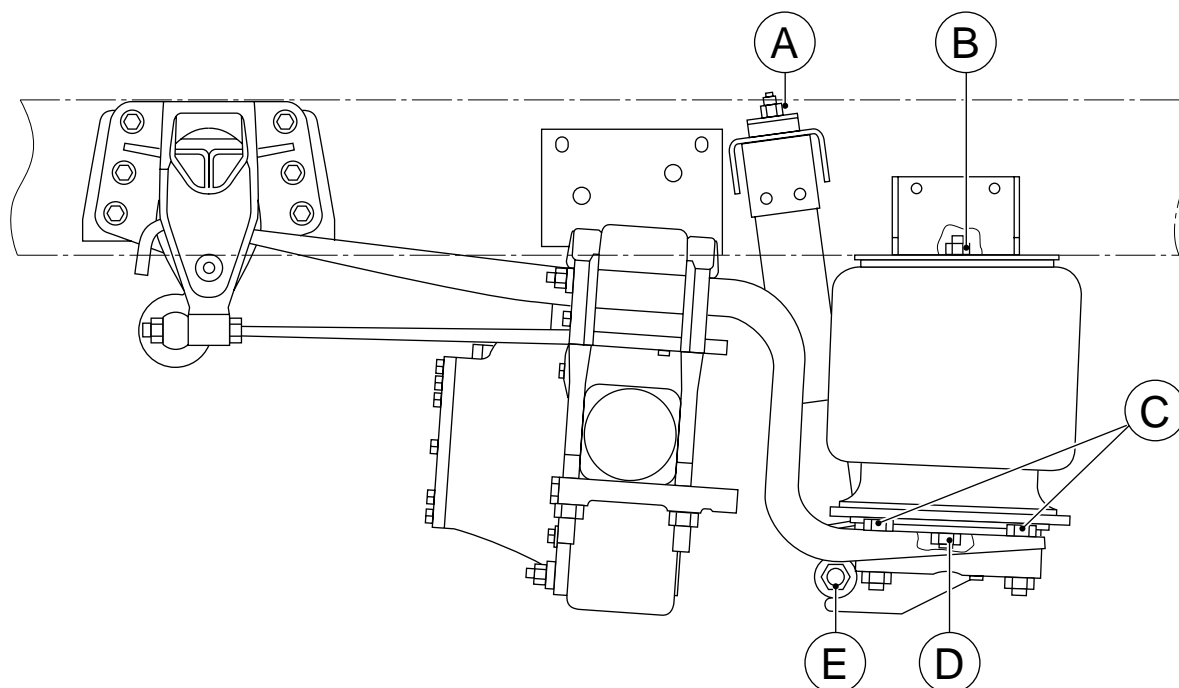
135 Nm

LF55

80 Nm

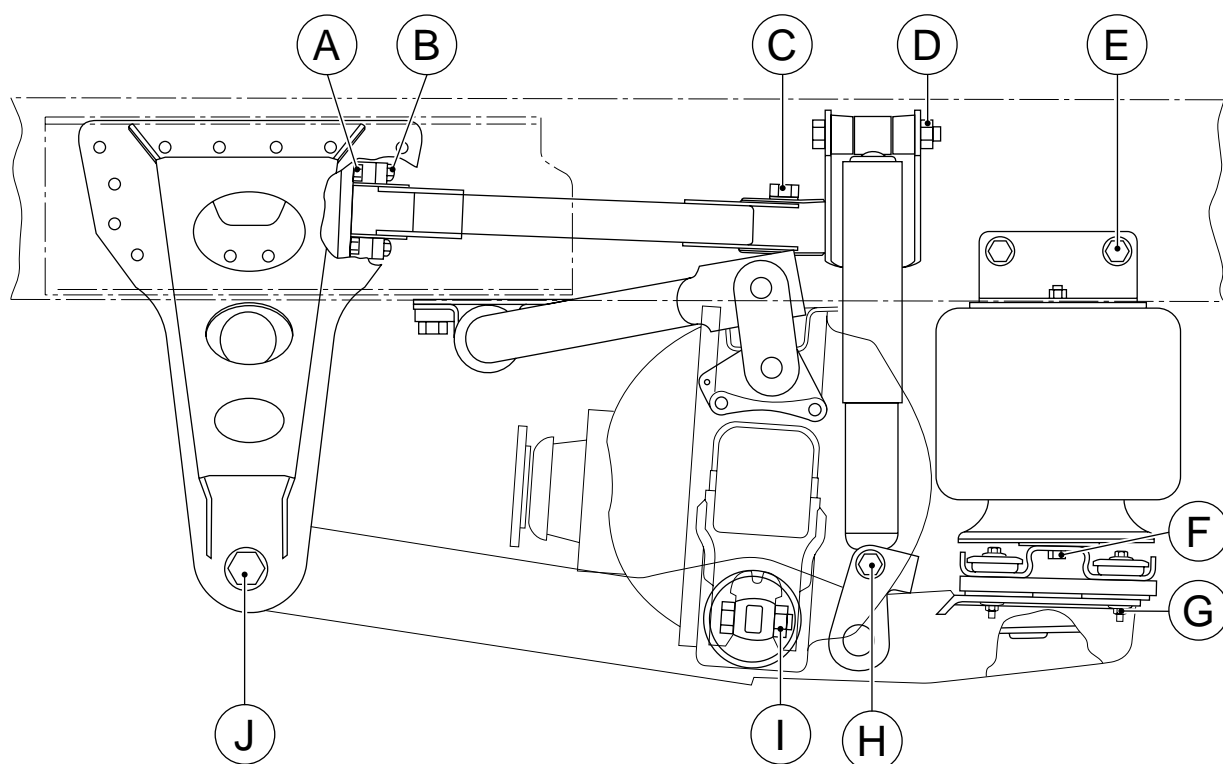
LF45 rear axle, air suspension

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C9 00 323

A	M14 shock absorber attachment nut	52 Nm
B	M12 air bellows attachment nut	31 Nm
C	M20 bolt	525 Nm
D	M12 air bellows attachment nut	60 Nm
E	M20 shock absorber attachment bolt	525 Nm

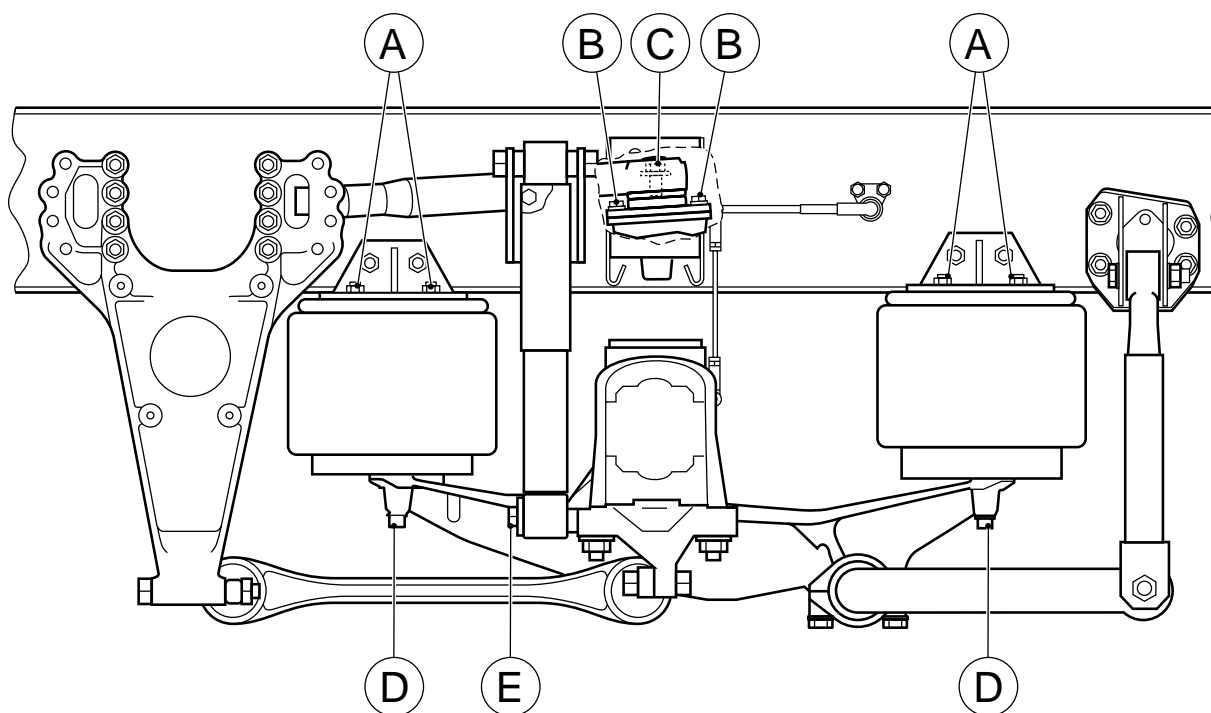
Rear axle, air suspension LF55 13- 15 ton
GVW

C9 00 324

A	M16 triangular adjustment block attachment bolt	360 Nm
B	M20 triangle attachment bolt	475 Nm
C	Attachment nut for triangle on differential M22	235 Nm
D	M20 shock absorber attachment bolt	525 Nm
E	M20 air bellows support attachment bolt	465 Nm
F	M12 air bellows attachment bolt	31 Nm
G	M16 attachment bolt	285 Nm
H	M20 shock absorber attachment bolt	525 Nm
I	Attachment bolt	385 Nm
J	M22 bolt with break nut, breakpoint nut	+/- 750 Nm

Rear axle, air suspension LF55 16- 18 ton
GVW

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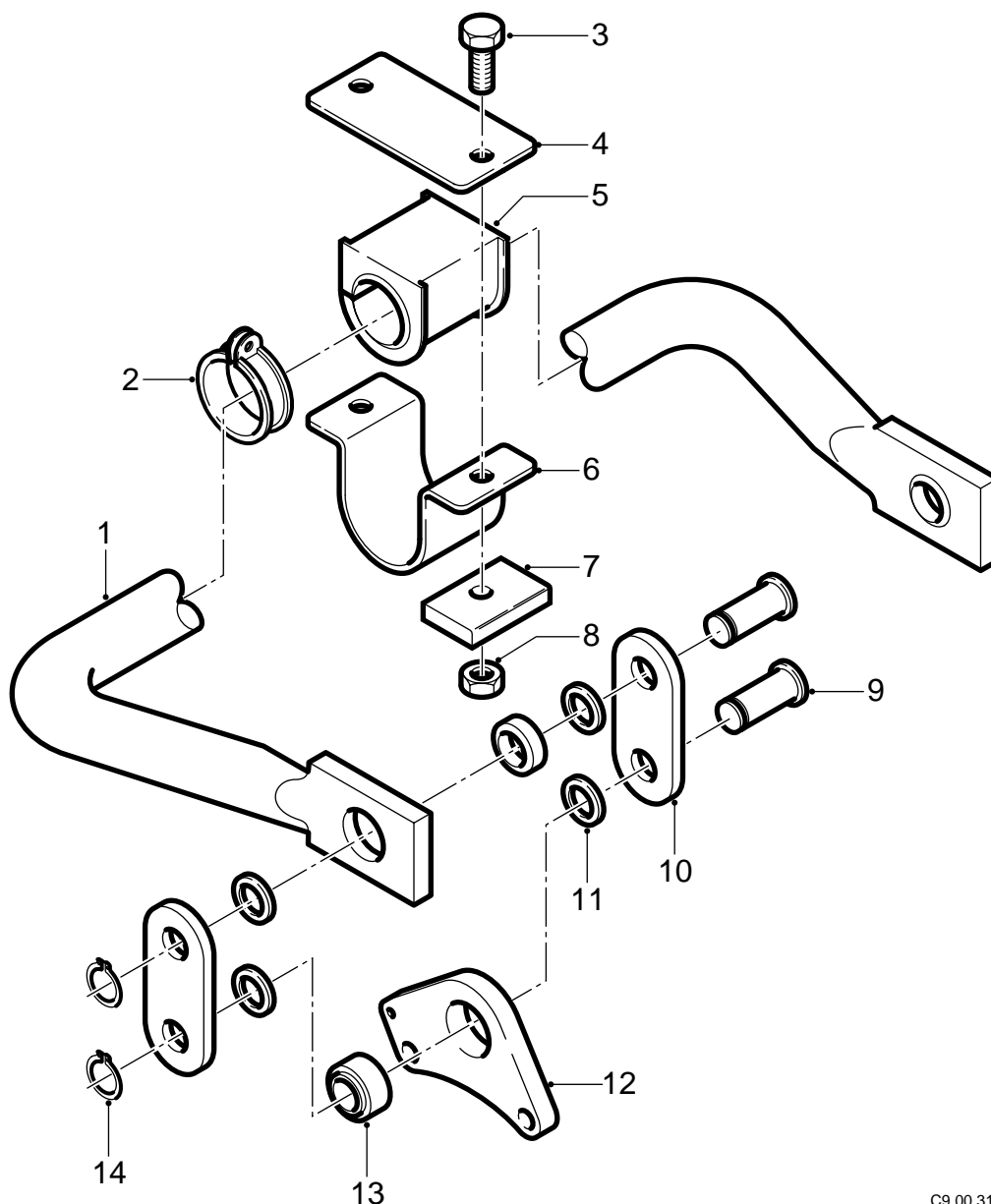


C9 00 325

A	M10 air bellows attachment nut	46 Nm
B	Clamping flange bolt M18	460 Nm
C	M14 attachment bolt, property class 10.9	135 Nm
D	M16 air bellows attachment bolt	195 Nm
E	M20 attachment bolt, property class 10.9, shock absorber	520 Nm

2.4 REMOVAL AND INSTALLATION, AIR-SPRUNG REAR AXLE STABILISER LF55 13-15 TON GVW

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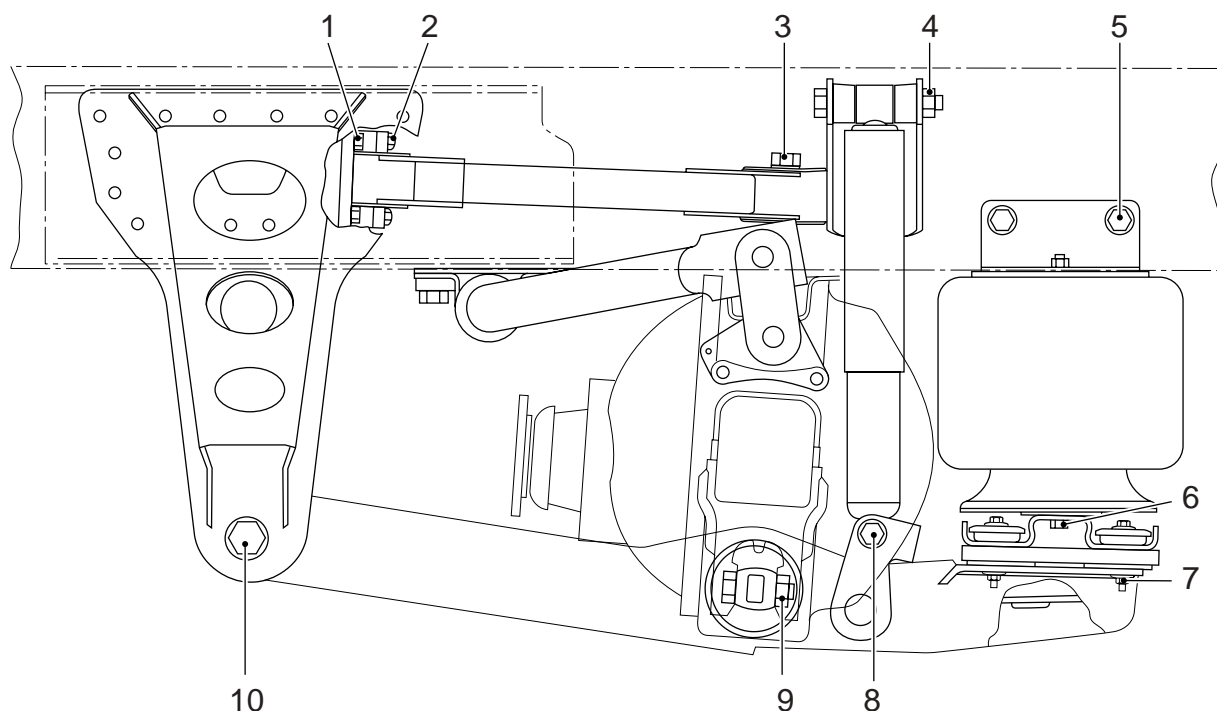


C9 00 319

Removal, air-sprung rear axle stabiliser bar LF55 13-15 ton GVW

1. Remove the attachment bolts (3) and nuts (8) from the bearing bush covers (6) and stiffeners (7).
2. Remove the bearing bush covers (6) from the stiffeners (7).

2.5 REMOVAL AND INSTALLATION, TRIANGULAR LINK, AIR-SPRUNG REAR AXLE LF55 13-15 TON GVW



C9 00 410

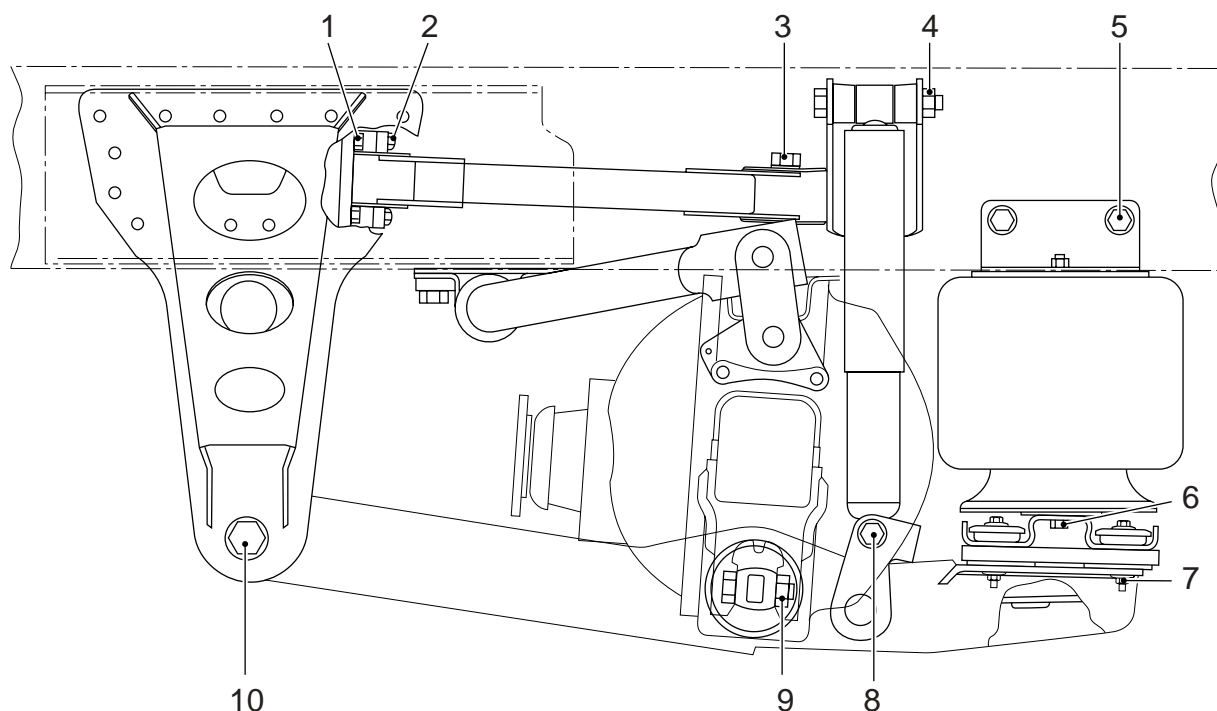
Removal, triangular link, air-sprung rear axle LF55 13-15 ton GVW

1. Detach any valves on the inside of the chassis that may hinder removal of the triangular link.
2. Remove the attachment nut (3) of the silentblock on the differential.
3. Remove the attachment bolts (2) and nuts (1) of the mounting rubbers on the triangle legs.
4. Jack up the chassis until the triangle is free of stress.
5. Remove the triangle from the differential. Use a pulley puller if the silentblock does not come off the attachment pin on the differential.

Installation, triangular link, air-sprung rear axle LF55 13-15 ton GVW

1. Check the condition of the mounting rubbers and the silentblock in the triangle.
2. Apply Copaslip to the silentblock attachment pin on the differential.
3. Position the triangle on the attachment pin and check that the mounting rubbers are positioned straight against the support points on the chassis. Hand-tighten the attachment nut.
4. Lower the chassis and fit the attachment bolts (2) and nuts (1) for the mounting rubbers. Tighten the bolts to the specified tightening torque, see "Technical data".
5. Tighten the attachment nut (3) to the specified tightening torque, see "Technical data".
6. Fix any detached valves on the inside of the chassis.

2.6 REMOVAL AND INSTALLATION, AIR-SPRUNG REAR AXLE YOKE LF55 13-15 TON GVW



C9 00 410



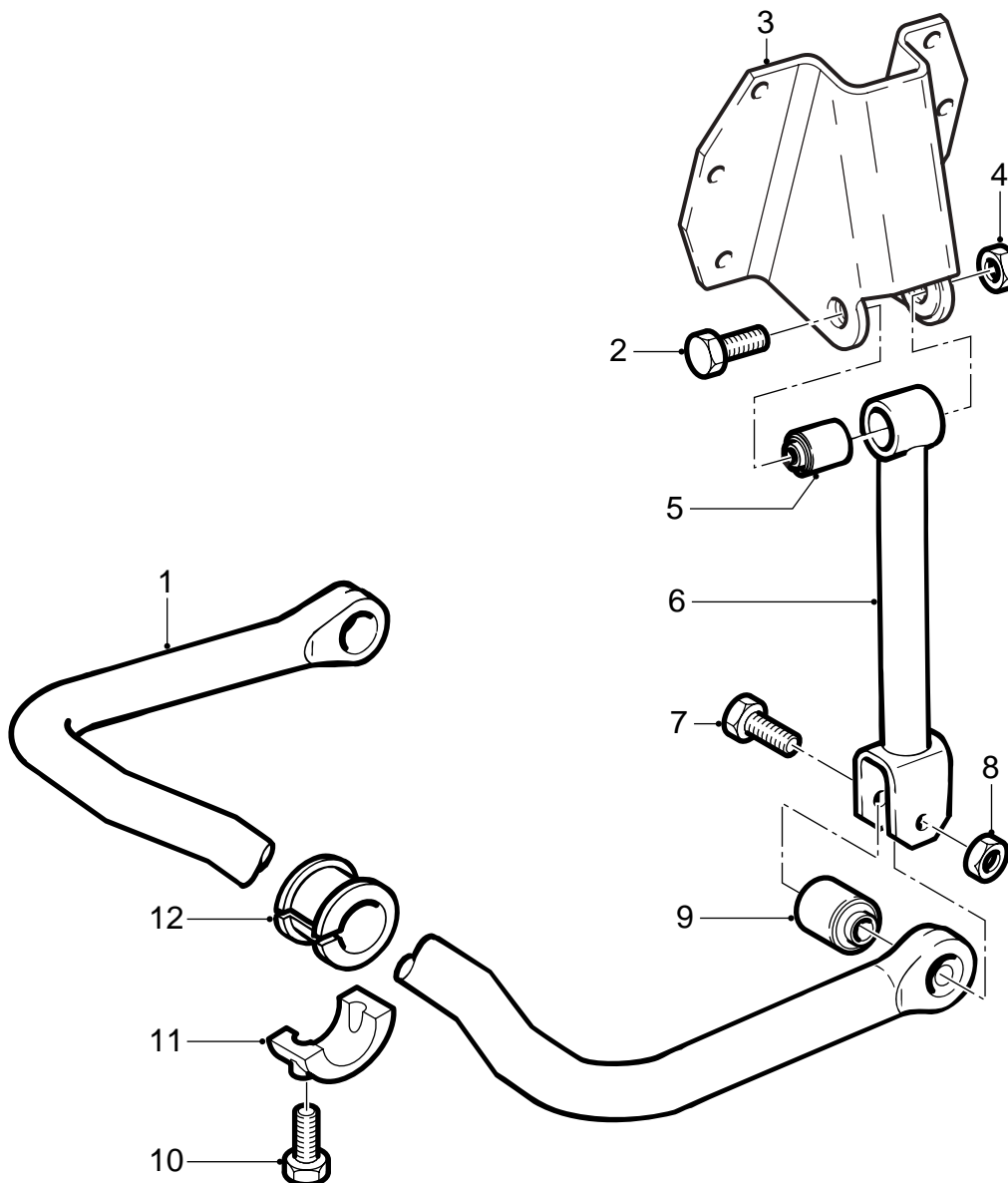
**Support the vehicle securely and work safely.
Make sure that the axle cannot tilt if both yokes are removed at the same time.**

Removal, air-sprung rear axle yoke LF55 13-15 ton GVW

1. Support the chassis with a jack.
2. Remove the lower attachment bolt (8) of the shock absorber.
3. Support the yoke at the centre.
4. Support the fixing bar for the air bellows using a jack. Remove the attachment bolts (7) by means of which the fixing bar for the air bellows is attached to the yoke.
5. Remove attachment bolt (10) from the silentblock.
6. Remove the attachment bolts (9) from the mounting rubber.
7. Remove the yoke.

2.8 REMOVAL AND INSTALLATION, AIR-SPRUNG REAR AXLE STABILISER LF55 16-18 TON GVW

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C9 00 320

Removal, air-sprung rear axle stabiliser bar LF55 16-18 ton GVW

1. Remove the attachment nuts (10) from the bearing bush covers (11).
2. Remove the attachment bolts (7) and the attachment nuts (8) from the silentblocks (9).
3. Remove the stabiliser bar (1).

Disassembling the transverse guide torque rod mounting rubber, air-sprung rear axle LF45, chassis side

1. Remove the torque rod from the vehicle.
2. Drive the pin and rubber bush unit from the eye of the torque rod.

Assembling the transverse guide torque rod mounting rubber, air-sprung rear axle LF45, chassis side

1. Apply a thin film of acid-free petroleum jelly or tyre grease to the rubber.
2. Force the pin in the eye of the torque rod. Make sure that the bolt holes are parallel with the torque rod.
3. Force the mounting rubber so far until the rubber collars protrude an equal distance on both sides of the eye.
4. Fit the torque rod to the vehicle.

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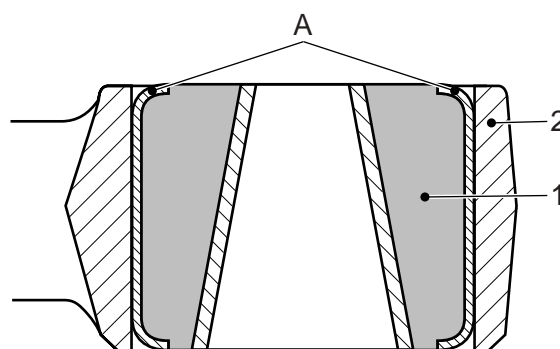
3.4 DISASSEMBLY AND ASSEMBLY, TRIANGULAR LINK SILENTBLOCK, AIR-SPRUNG REAR AXLE LF55 13-15 TON GVW

Disassembly, triangular link silentblock, air-sprung rear axle LF55 13-15 ton GVW

1. Remove the triangular link from the vehicle.
2. Remove the silentblock (1) from the triangular link (2) using a puller. Make sure that the puller rests on the outer rim (A) of the silentblock (1).

Assembly, triangular link silentblock, air-sprung rear axle LF55 13-15 ton GVW

1. Clean the chamber in the triangular link.
2. Apply a thin layer of acid-free petroleum jelly to the outer shell of the new silentblock.
3. Force the silentblock into the triangular link. Make sure that the puller rests on the outer rim (A) of the silentblock.
4. Force the silentblock into the triangular link so that both sides of the silentblock are equally far into the triangle chamber.
5. Fit the triangular link to the vehicle.



C9 00 407

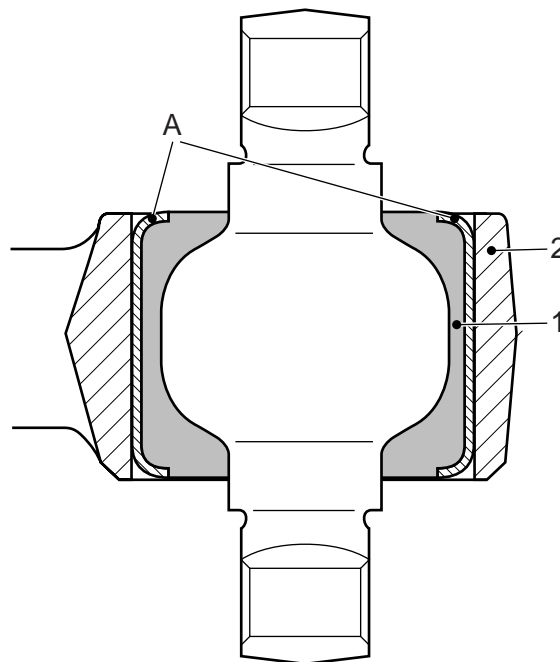
3.5 DISASSEMBLY AND ASSEMBLY, TRIANGULAR LINK MOUNTING RUBBER, AIR-SPRUNG REAR AXLE LF55 13-15 TON GVW

Disassembly, triangular link mounting rubber

1. Remove the triangular link from the vehicle.
2. Remove the mounting rubber (1) from the triangular link (2) using a puller. Make sure that the puller rests on the outer rim (A) of the mounting rubber (1).

Assembly, triangular link mounting rubber, air-sprung rear axle LF55 13-15 ton GVW

1. Apply a thin film of acid-free petroleum jelly or tyre grease to the rubber.
2. Force the mounting rubber into the triangular link. Make sure that the puller rests on the outer rim (A) of the mounting rubber. Make sure that the bolt holes are parallel with the triangle rod.
3. Force the mounting rubber into the triangular link so that both sides of the mounting rubber are equally far into the triangle chamber.
4. Fit the triangular link to the vehicle.



C9 00 406