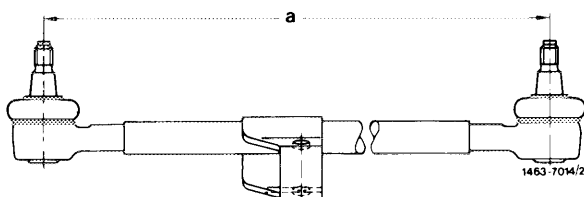


46–550 Removal and installation of drag link

Data

1st version	Part no.		Length "a"
	2nd version		
107 460 02 05	107 460 05 05		470 ± 0.5


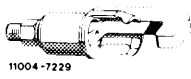


Approved grease types for ball joints

Multi-purpose grease refer to Specifications for service products, page 267

Tightening torques	Nm	(kpm)
Castle nut for attaching drag link to steering arms	35	(3.5)
Hex. bolt for attaching steering damper to drag link	45	(4.5)

Special tools

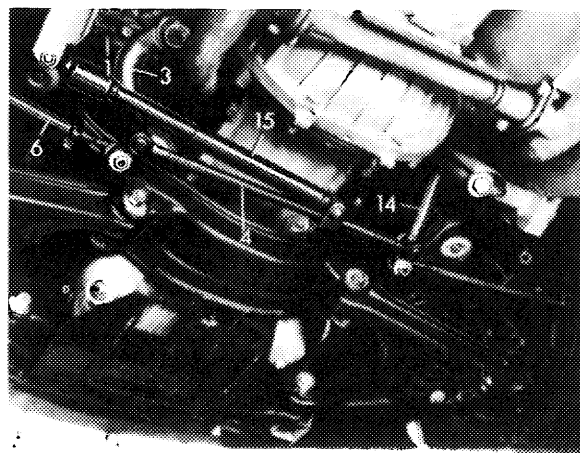
Puller		111 589 08 33 00
Puller for drag link		123 589 09 33 00

Self-made tools

Assembly sleeve for flat wire clamping ring	refer to fig. item 10
Assembly sleeve for plastic ring	refer to fig. item 10

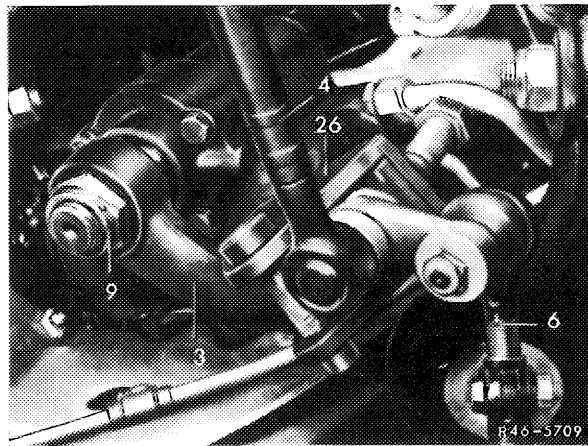
Removal

- 1 Uncotter castle nuts on joints of drag link (4) and unscrew.
- 2 Unscrew hex. bolt for attaching steering damper and push steering damper out of holder.



3 Force ball joint of drag link (4) from steering arms by means of puller (26).

Note: The drag link can also be pushed off from steering arms by means of puller 123 589 09 33 00. To prevent damaging rubber sleeve on track rod 2nd version, use puller 123 589 00 33 00 only if the bell-type puller has been refinished.

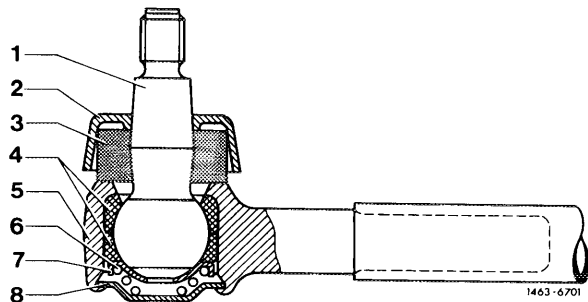


Checkup

1st version

4 Check joints (1) of drag link. If joints are moving too easily or in the event of play, replace drag link.

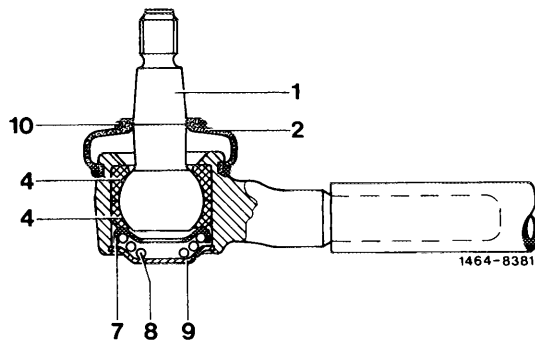
- 1 Ball pin
- 2 Plastic cover
- 3 Sealing ring
- 4 Plastic bearing shell
- 5 Joint head
- 6 Pressure spring
- 7 Pressure plate
- 8 Closing cap



2nd version

5 Check joints of drag link. If drag link operates too easily or in the event of play, replace drag link.

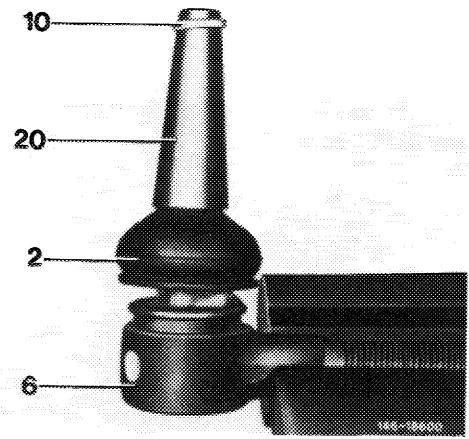
6 Check rubber sleeves (2) for joints. **If a rubber sleeve on a used joint is damaged, replace drag link.**



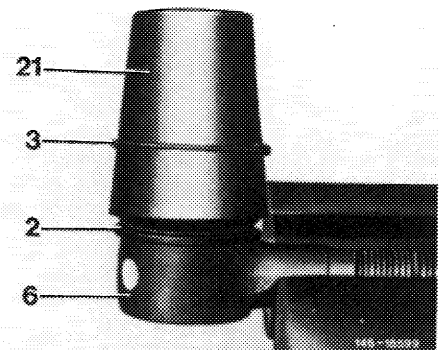
7 If the rubber sleeve (2) has been damaged during removal of drag link, simply replace rubber sleeve. For this purpose, remove flat wire clamping ring (3) and pull off sleeve together with plastic fastening ring (10).

8 Prior to positioning new rubber sleeve, fill space between sleeve and joint with specified grease.

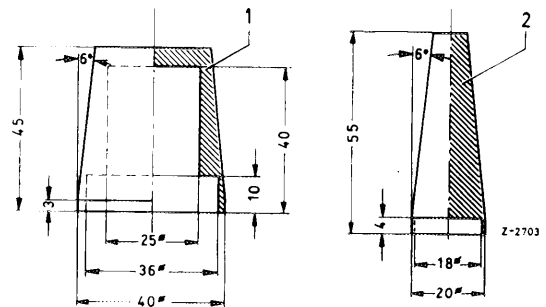
9 Place rubber sleeve (2) and then assembly sleeve (20) on ball pin. Insert plastic fastening ring (10) over assembly sleeve into rubber sleeve.



10 Place assembly sleeve (21) on ball joint and over rubber sleeve (2) and insert flat wire clamping ring (3).



Note: The assembly sleeves are self-made according to specified dimensions.

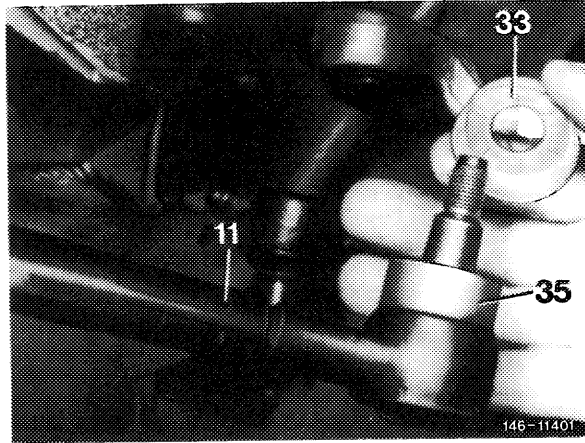


- 1 Assembly sleeve for flat wire clamping ring
- 2 Assembly sleeve for plastic ring

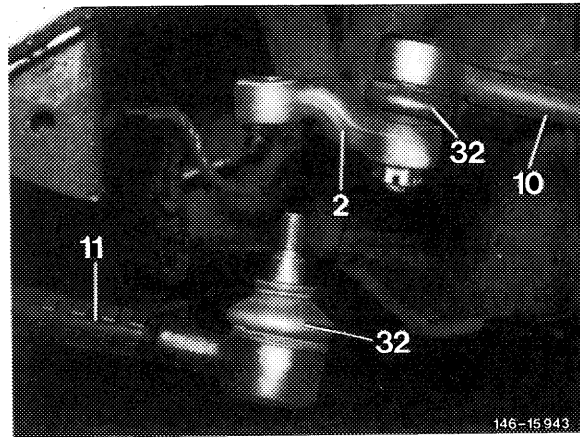
Note: Maintenance-free joints are provided with grease for life. On these joints, the seal against penetration of dirt is of decisive importance for life of joint. A damaged rubber sleeve should therefore be replaced immediately, since otherwise the penetrating dirt will wear out the joints. For this reason, it is also required to check the joints carefully at regular intervals.

Installation

11 On 1st version of drag link, replace sealing ring (35) and plastic cover (33).



Drag link 1st version



Drag link 2nd version with rubber sleeve

12 Clean ball pins as well as conical seats in steering arms perfectly from grease. Push ball pins tightly into cone of steering arms. Screw-on castle nuts and insert cotter pins. Tightening torque 35 Nm (3.5 kpm) reference value.

13 Attach steering damper to drag link.

14 Check wheel adjustment on front axle (40–320).