

Data

Part No.	Version	Code No.	Length	Remarks
107 463 04 10	LH steering	0704	190	Version 1
107 463 05 10	RH steering	0705		
107 463 08 10	LH steering	0708		Version 2 and replacement for version 1
107 463 09 10	RH steering	0709		

Adjusting Value

Perm. deviation in height of ball point position between pitman arm and intermediate steering lever	4 mm
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Tightening Torques

	Nm	(kpm)
Self-locking hex. nut for attaching intermediate steering lever	120	(12)
flex. nut on track rod and drag link	35	(3.5)

Special Tools

Removing tool for rubber slide bearing	116 589 01 33 00
Installation tool for rubber slide bearing	115 589 08 61 00
Measuring tool for ball point position	115 589 03 21 00
Puller for track rod and drag link	111 589 08 33 00

Removal

- 1 Remove shield (15) from bearing (6) of intermediate steering lever (2) (Fig. 1).
- 2 Loosen drag link and track rod on intermediate steering lever (46.1—540 and 46.1—550).
- 3 Unscrew self-locking hex. nut (9) from hex. screw (1) of intermediate steering lever (Fig. 1).
- 4 Remove intermediate steering lever (2), washer (3), dust cap (8), and then hex. screw (1) with sealing washer (4) (Fig. 1 and 2).

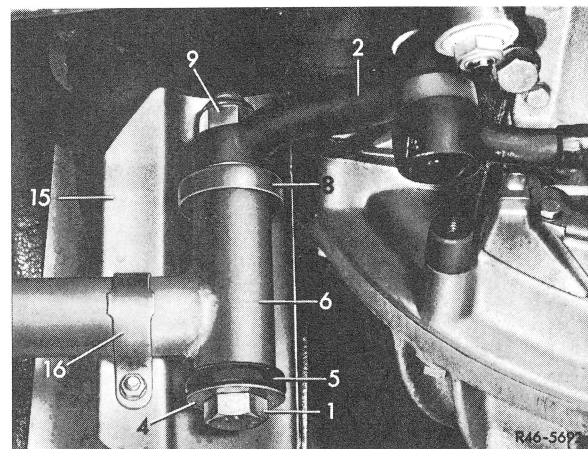


Fig. 1

- | | |
|-------------------------------|-------------------------|
| 1 Hex. screw | 6 Trunnion bearing |
| 2 Intermediate steering lever | 8 Dust cap |
| 4 Sealing washer | 9 Self-locking hex. nut |
| 5 Rubber slide bearing | 15 Shield |
| | 16 Fastening clip |

46.1 Removal and Installation of Intermediate Steering Lever

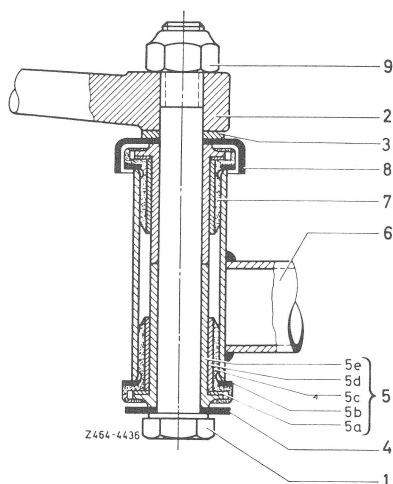


Fig. 2

- | | |
|-------------------------------|------------------------------|
| 1 Hex. screw | 5c Rubber bushing |
| 2 Intermediate steering lever | 5d DU-bushing |
| 3 Washer | 5e Bushing |
| 4 Sealing washer | 6 Trunnion bearing |
| 5 Lower rubber slide bearing | 7 Upper rubber slide bearing |
| 5a DU-washer | 8 Dust cap |
| 5b Steel washer | 9 Self-locking hex. nut |

7 Remove both rubber bushings (5c) from trunnion bearing by means of removing tool (17) (Fig. 4).

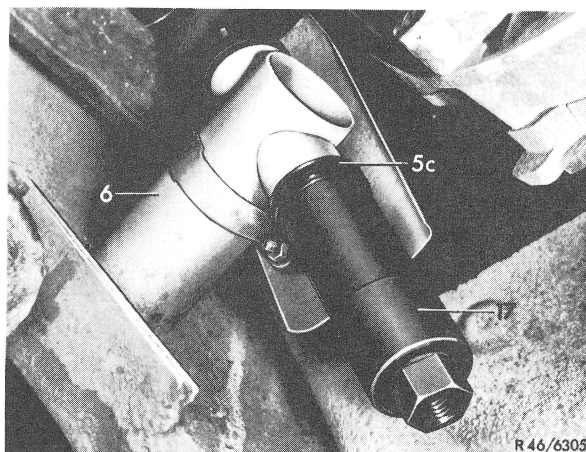


Fig. 4

- | | |
|--------------------|------------------|
| 5c Rubber bushing | 17 Removing tool |
| 6 Trunnion bearing | |

Checkup and Repair

5 Check intermediate steering lever for code No. and damage. **When in doubt**, particularly following an accident, be sure to **replace intermediate steering lever**.

6 Check rubber slide bearing (5 and 7) in trunnion bearing (6) for wear and replace, if required (Fig. 2).

For this purpose, lift rubber bushing (5c) by means of a screw driver and remove bushing (5e) (Fig. 3).

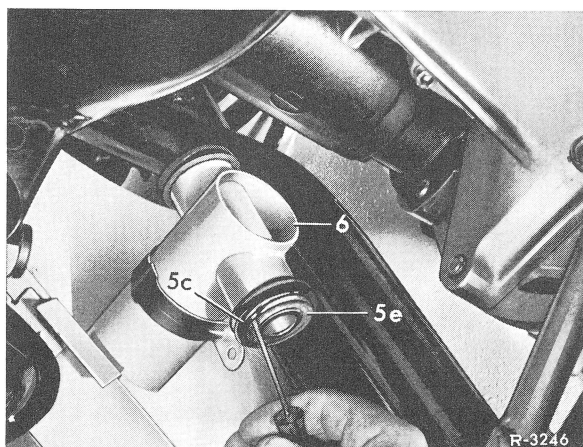


Fig. 3

- | | |
|-------------------|--------------------|
| 5c Rubber bushing | 6 Trunnion bearing |
| 5e Bushing | |

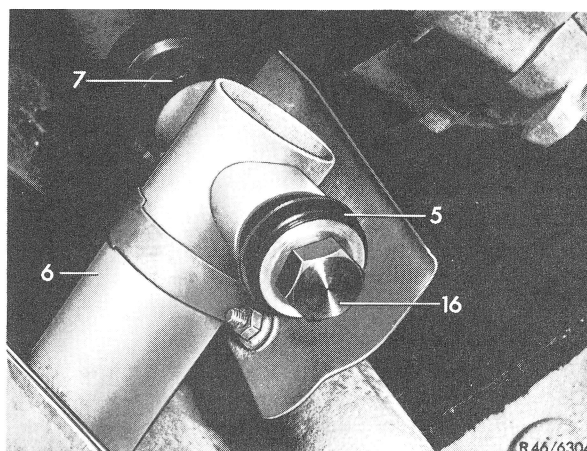


Fig. 5

- | | |
|------------------------------|------------------------------|
| 5 Lower rubber slide bearing | 7 Upper rubber slide bearing |
| 6 Trunnion bearing | 16 Installation tool |

Installation

8 Coat new rubber slide bearings (5 and 7) outside with slide fluid, e.g. white oil, and press into journal bearing with pressing-in tool (16) (Fig. 5).

9 Grease bushings (5d) in rubber slide bearing with „Calypsol AE 63“ or „Mobilux Grease 2“.

10 Place intermediate steering arm (2) on hex. screw (1) in such a manner that offset faces downwards, or that forged-in code No. is shown below (Fig. 1 and 2).

11 Then place washer (3) and sealing washer (4) on hex. screw (1) (Fig. 2).

12 Insert hex. screw including intermediate steering lever (2) into trunnion bearing (6) and position dust cap (8). Screw-on a normal hex. nut and tighten to approx. 60–80 Nm (6–8 kpm).

13 Apply measuring device (56) to measure permissible deviation in height of ball point position between pitman arm and intermediate steering lever (Fig. 6 and 7). Max. permissible difference 4 mm (refer also to 40.1–320 Checking Wheel Adjusting Values on Front Axle).

14 If a larger difference in height is measured, unscrew hex. screw (1) and remove washer (3), Part No. 115 463 00 52, between intermediate steering arm (2) and dust cap (8), or add a second washer (Fig. 2).

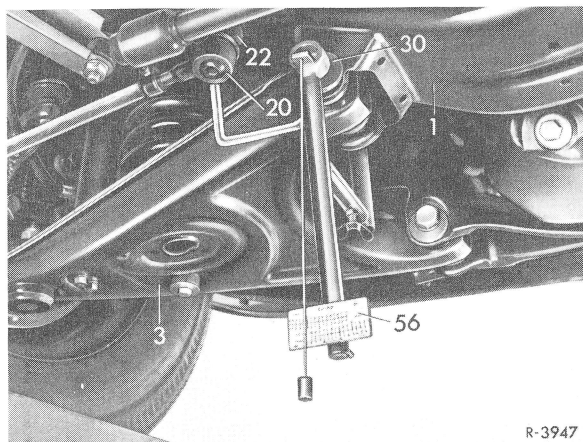


Fig. 6

- | | |
|----------------------|------------------------------|
| 1 Front axle carrier | 22 Intermediate steering arm |
| 3 Lower control arm | 30 Cam bolt |
| 20 Track rod | 56 Measuring tool |

15 Mount dust cap (8). Screw-on **new self-locking hex. nut** and tighten to 120 Nm (12 kpm) (Fig. 1 and 2).

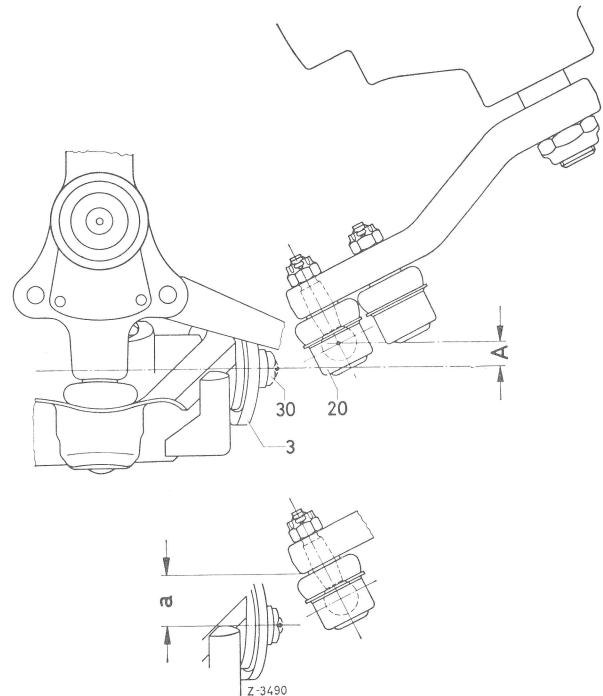


Fig. 7

- | | |
|---------------------|---------------------------------------|
| 3 Lower control arm | A Ball point position (theoretically) |
| 20 Track rod | a Ball point pos.(measuring point) |
| 30 Cam bolt | |

Note

After tightening self-locking hex. nut, at least 1 thread of hex. screw should extend beyond hex. nut.

Caution! Self-locking hex. nuts must be replaced on principle.

16 Check whether intermediate steering lever can be turned to the left and right without binding.

17 Attach shield to trunnion bearing.

18 Attach drag link and track rod to intermediate steering lever by means of castle nuts. Insert cotter pins into castle nuts. Tightening torque 35 Nm (3.5 kpm) – reference value.

19 Check wheel adjusting values on front axle „(Axles“ 40.1–320).