

## 46–510 Removal and installation of pitman arm


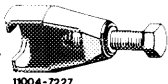
### Data

Part No.	Version	Code No.	Remarks
115 463 07 01	lefthand steering	507	for manual steering L 1 Z, part No.
115 463 08 01	righthand steering	508	115 460 19 01 LL and 114 460 20 01 RL
115 463 12 01	lefthand steering	512	for manual steering L 1 Z, part No.
115 463 13 01	righthand steering	513	115 460 21 01 LL and 115 460 22 01 RL
114 463 04 01	lefthand steering	404	for powersteering LS 75
114 463 05 01	righthand steering	405	
114 463 08 01	lefthand steering	408	for powersteering LS 75
114 463 09 01	righthand steering	409	

### Tightening torques

	Nm	(kpm)
Hex nut to pitman shaft	manual steering L 1 Z	
	powersteering LS 75	140–180 (14–18)
	powersteering LS 90	160–200 (16–20)
Castle nut to track rod and drag link	35	(3.5)

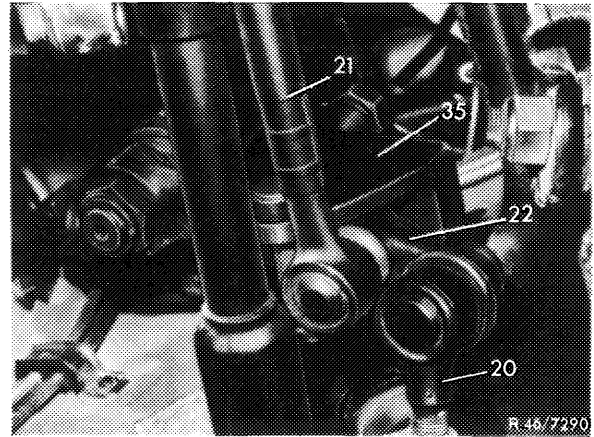
### Special tools

Puller for ball joints of track rod and drag link on pitman arm		111 589 08 33 00
Puller for pitman arm		100 589 04 33 00

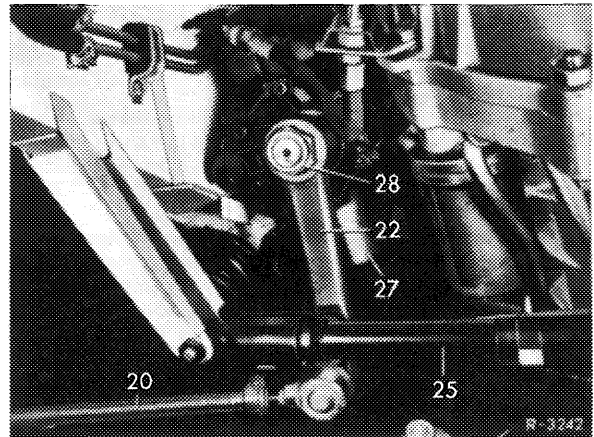
## Removal

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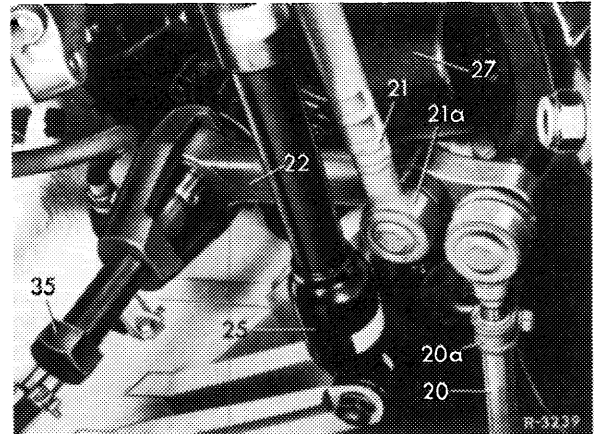
- 1 Uncotter castle nut of drag link and track rod on pitman arm and unscrew castle nut.
- 2 Force off ball joint of drag link (21) and track rod (20) by means of puller (35).



- 3 On manual steering and powersteering LS 90 unscrew self-locking hex nut (28) from pitman shaft.
- 4 On powersteering LS 75 uncotter castle nut and unscrew from pitman shaft.



- 5 Pull pitman arm (22) from pitman shaft by means of puller (35).



## Installation

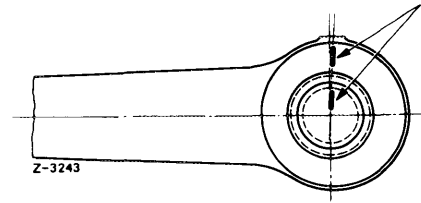
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The pitman arm cannot be checked with conventional workshop equipment. **When in doubt**, particularly following an accident, replace pitman arm.

Watch out for correct code number of pitman arm.

6 Clean splining on pitman shaft and on pitman arm.

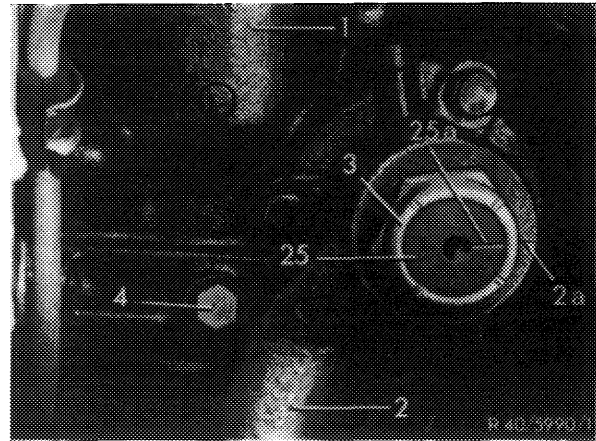
7 Slip pitman arm on pitman shaft, with marking on lever in alignment with marking on pitman shaft.



8 On manual steering and powersteering LS 90 screw new self-locking hex nuts (3) on pitman shaft. Tighten to 140–180 Nm (14–18 kpm) on vehicles with manual steering and on vehicles with powersteering tighten to 160–200 Nm (16–20 kpm).

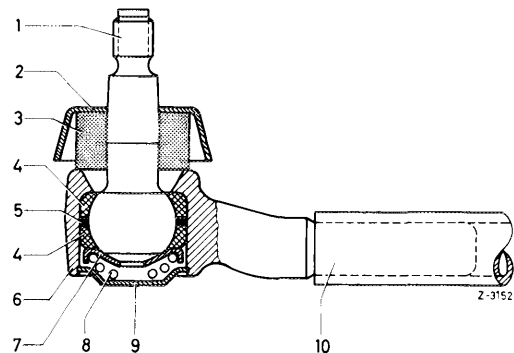
**Attention!**

**Always replace self-locking hex nuts on principle.**

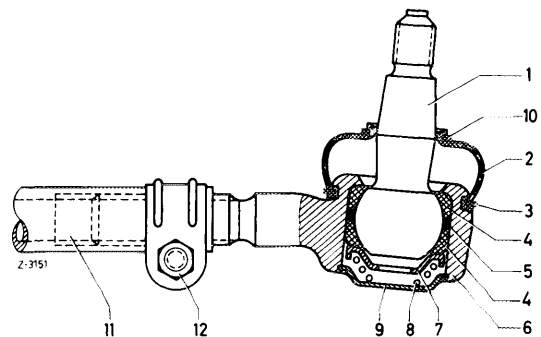


9 On powersteering LS 75 screw castle nut to pitman shaft, tighten to 140–180 Nm (14–18 kpm) and cotter castle nut.

10 Place sealing ring (3) and plastic cover (2) on ball pin of drag link and attach drag link to pitman arm. Tightening torque of castle nut 35 Nm (3.5 kpm) – reference value. Cotter castle nut.



11 Check rubber sleeve (2) on ball pin of track rod. If rubber sleeve is damaged, replace ball joint (refer to 46–540). Attach track rod to pitman arm. Tightening torque of castle nut 35 Nm (3.5 kpm) – reference value. Cotter castle nut.



12 Turn steering completely to the left and right and check whether pitman arm (8) rests on stop (16) of lower control arm.

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

