

46-510 Removal and installation of pitman arm


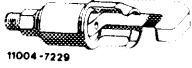

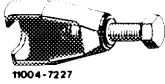
Data

	Part. No.	Version	Code No.	Remarks
107.022 107.043	107 463 10 01	Lefthand steering	0710	1st version
107.023 107.044	107 463 11 01	Righthand steering	0711	
107.024 107.045	107 463 12 01	Lefthand steering	0712	2nd version
107.025 107.046		Righthand steering	0713	
107	107 463 16 01	Lefthand steering	0716	3rd version for left-hand steering vehicles. Replacement for 107 463 10 01 and 107 463 12 01.

Tightening torques

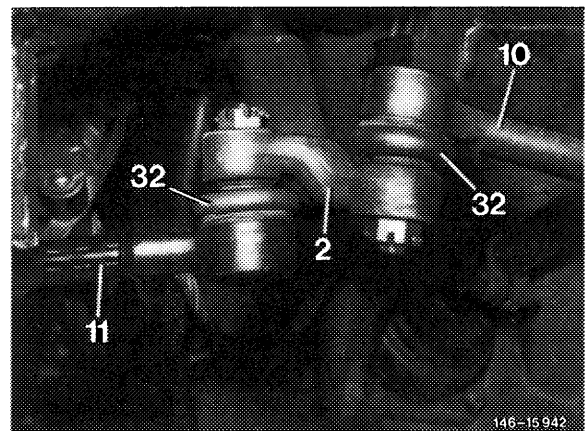
	Nm	(kpm)
Self-locking hex. nuts to pitman shaft	160-200	(16-20)
Castle nut to drag link and track rod	35	(3.5)

Special tools

Puller for ball joint of track rod		186 589 10 33 00
Puller for ball joint of drag link		123 589 00 33 00
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

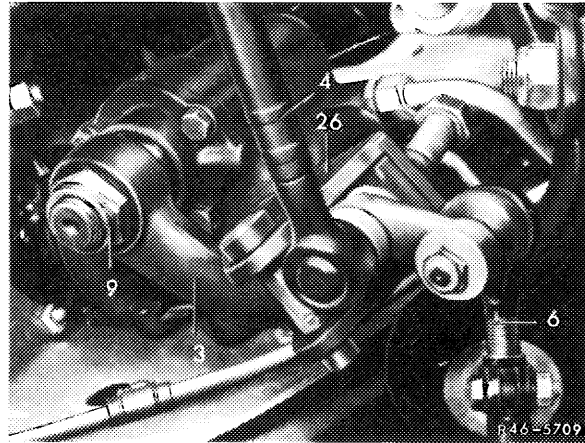
- 1 Uncotter castle nut of drag link and track rod on pitman arm and unscrew castle nut.



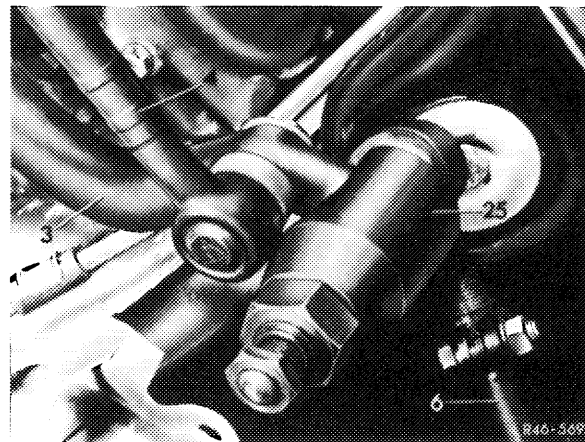
146-15 942

2 Force ball joint of drag link (4) from pitman arm by means of puller (26). On 1st version of drag link, pay attention to plastic cover ring and sealing disc.

Note: The drag link can also be forced off with puller 123 589 09 33 00. To prevent damaging of rubber sleeve on drag link 2nd version, use puller 123 589 00 33 only if the bell-type puller has been refinished.



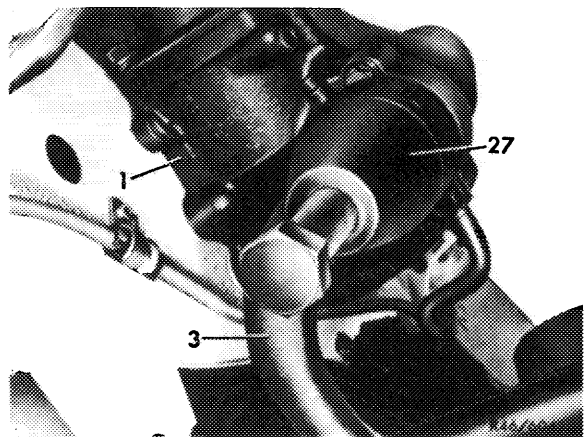
3 Force ball point of track rod (6) from pitman arm (25) with puller.



4 Unscrew self-locking hex. nut from pitman shaft.

5 On vehicles with 8-cylinder engine remove rear exhaust system, then take off lefthand exhaust pipe on manifold.

6 Pull pitman arm (3) from pitman shaft with puller (27).

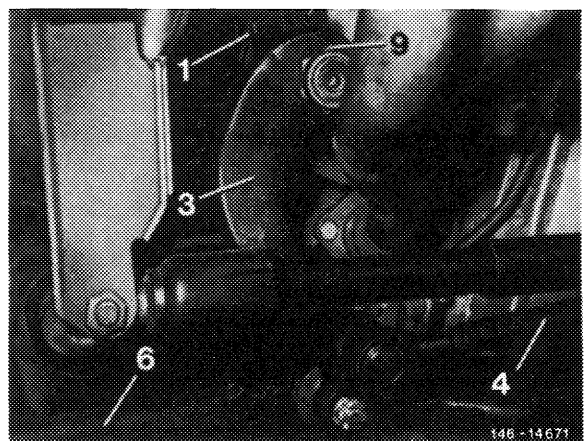


Installation

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

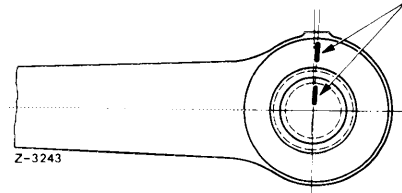
Pay attention to correct code number of pitman arm.

Note: On model 107.026 install sickle-shape pitman arm 107 463 16 01 (code number 07 16) only.



8 Clean splining on pitman shaft and pitman arm.

9 Slip pitman arm on pitman shaft, marking on arm should be in alignment with marking on pitman shaft.

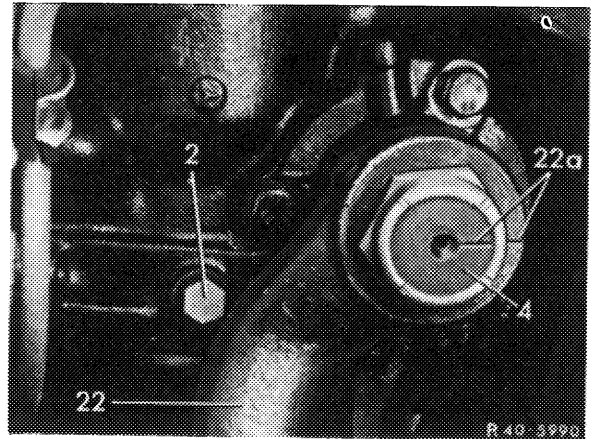


10 Screw new self-locking hex. nut on pitman shaft and tighten to 160–200 Nm (16–20 kpm).

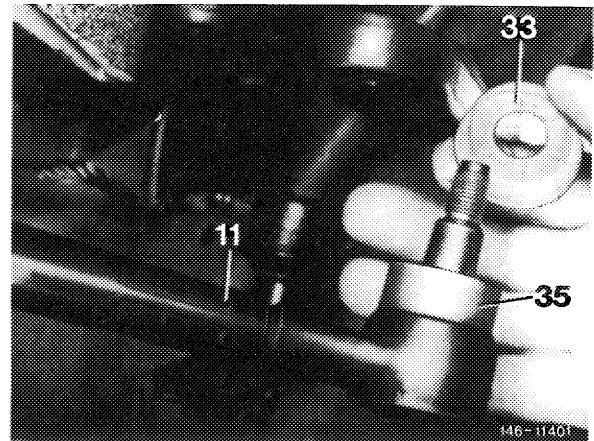
Attention!

Always replace self-locking hex. nuts on principle.

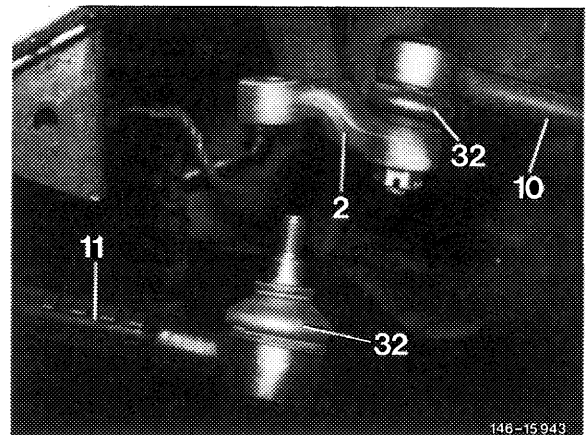
11 On vehicles with 8-cylinder engine, install exhaust system.



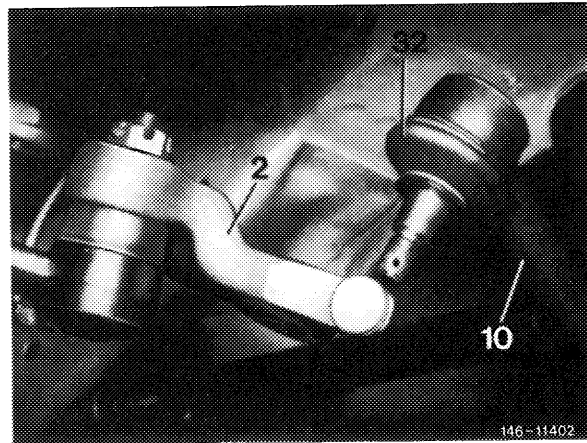
12 On drag link 1st version, check joint of drag link for wear and replace drag link, if required. Place sealing ring (35) and plastic cover (33) on ball joint (46–550).



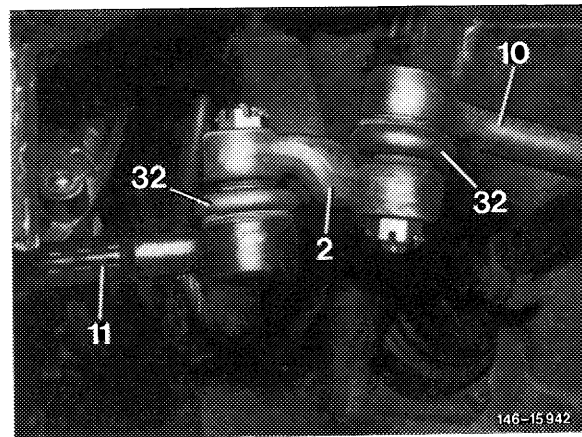
13 On drag link 2nd version, check rubber sleeve (32) on ball pin. If the rubber sleeve is damaged, check ball joint for wear and replace drag link, if required (46–550).



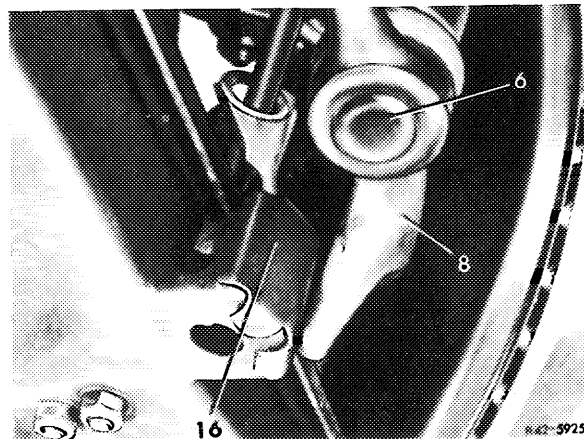
14 Check rubber sleeve (2) on ball pin of track rod. If rubber sleeve is damaged, replace ball joint (46–540).



15 Fasten track rod and drag link to pitman arm, insert cotter pins into castle nuts, tightening torque 35 Nm (3.5 kpm) reference value.



16 Turn steering completely to the left and right while checking whether steering knuckle arm (8) each time rests against stop (16) of lower control arm.



17 Check wheel adjusting values on front axle (40–320).