

Removal and Installation of Steering Gear Arm

Models 219, 220a, 220S

Job No.

L 12

Removal:

1. Pull out the castle nut cotters at the ball-heads and unscrew the castle nuts. Then use Bell-shaped Puller 186 589 10 33 to press out the ball-heads of the tie-rod assembly from the steering gear arm.
2. Remove the cotter pin from the steering shaft castle nut, unscrew the castle nut and use Bell-shaped Puller 186 589 04 33 to pull the steering gear arm off the serrations of the steering shaft.
3. Check the steering gear arm for distortion (Fig. L 12/1).
If the steering gear arm is bent, it must be replaced. As an expedient the steering gear arm can be straightened in cold condition but then a careful check must be made for cracks.

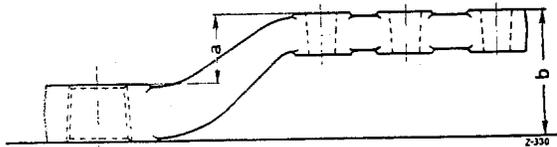


Fig. L 12/1

a = 30 ± 0.3 b = 55 mm

Installation:

4. Press the steering gear arm onto the serrations of the steering shaft. The markings on the steering gear arm and the steering shaft must coincide!
5. Screw the castle nut onto the steering gear arm, tighten firmly and cotter.
6. Fit a sealing cover and a rubber cuff on each of the ball-heads.

Press the tie-rod assembly into the steering gear arm.

Note: The contact faces of the ball-heads must be free of oil and grease.

7. Screw on, tighten up and cotter the castle nuts.
8. Check and if necessary adjust the toe-in. In doing this, check whether the steering knuckle arm rests against the steering knuckle assembly stop face at full lock (see Job No. L 1, Paragraph 14).

Removal and Installation of Steering Coupling Jointing Disk

Models 219, 220a, 220S

Job No.

L 13

Removal:

1. Disconnect the ground cable at the negative terminal of the battery.
2. Loosen and remove the upper clamping screw of the steering coupling.
3. Disconnect the cables for the flash direction signals and the horn from the steering cable connector at the wheel arch assembly.
4. Unscrew the stud bolt from the steering column jacket and pull the steering tube out of the steering coupling and the wiring harness out of the steering cable tube.
5. Loosen and remove the lower clamping screw of the steering coupling.
6. Pull the steering coupling off the steering worm serrations.

L 13/1