

Data

Permissible bending of lower control arm
(measured along the longitudinal vehicle axle) 1.5 ¹⁾

Permissible bending of ball pin for supporting joint 0.5

1) Bending value is within permissible limits when checking bolt can be inserted.

Special tools

Device for checking lower control arm 115 589 12 23 00

Commercially available tools

Measuring stand e.g. Messrs. Bosch, Stgt.-Feuerbach
Order No. 0601 980 001

Dial gauge A1 DIN 878 e.g. Messrs. Mahr, Esslingen
Order No. 810 St

1 To check for bending and non-parallelism, place the complete control arm with rubber mounts in the special device (63) (Fig. 1).

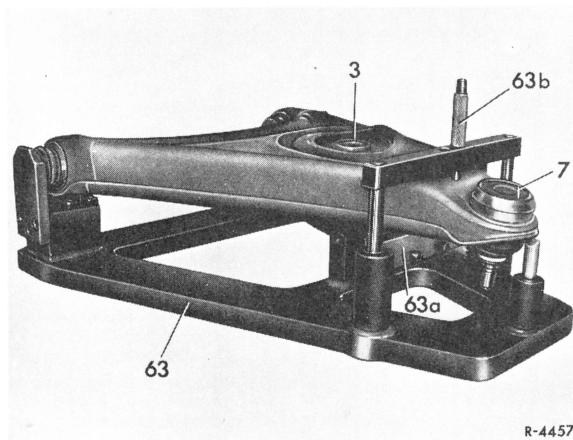


Fig. 1

3 Lower control arm
7 Supporting joint
63 Special device

63a Rule for checking non-parallelism
63b Bolt for checking bending

2 Check non-parallelism with rule (63a).

3 Insert checking bolt (63b). If the bolt cannot be inserted, the permissible bending amount has been exceeded.

4 To check the ball pin for bending, insert receiving ring into the chuck of a lathe.

Receiving ring self-made according to Fig. 2.

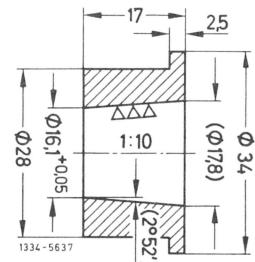


Fig. 2

5 Insert ball pin into receiving ring and press in.

33.1

Check lower control arm

6 Attach dial gauge to the reinforcing ring of the control arm with 1 mm pretension and measure bending of the ball pin at approx. 25/min (Fig. 3).

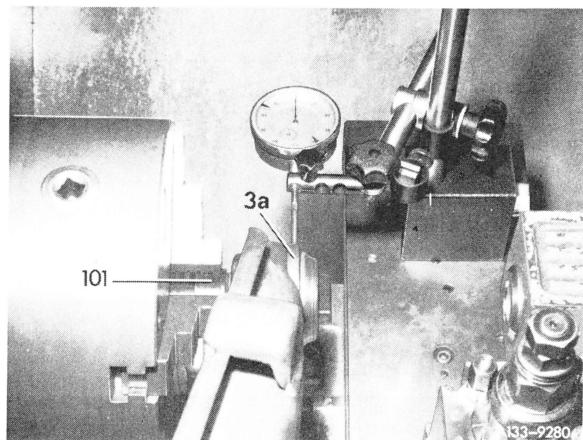


Fig. 3

3a Reinforcing ring on lower control arm
101 Receiving ring