

**Data**

Permissible non-parallelity of the upper control arm	1.5
Permissible bending of the upper control arm (measured along the longitudinal vehicle axle at the guide joint)	2
Permissible bending of ball pin for guide joint	0.5

**Special tools**

Device for checking upper control arm	115 589 11 23 00
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**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-parallelity, place the complete control arm with rubber mounts in the special device (62) (Fig. 1).

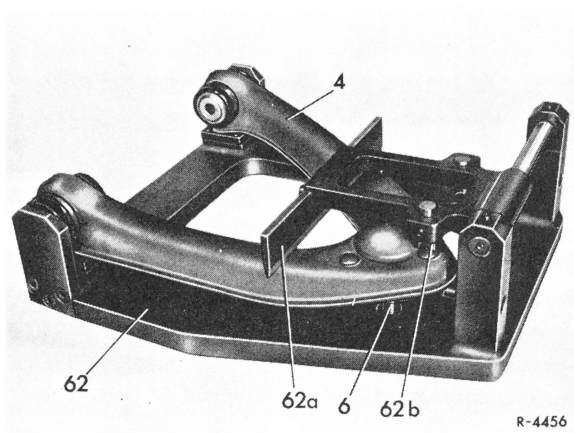


Fig. 1

- |                     |  |
|---------------------|--|
| 4 Upper control arm | 62a Rule for checking non-parallelity      |
| 6 Guide joint       | 62b Wedge-shaped bolt for checking bending |
| 62 Special device   |  |

**2** Check distortion with the rule (62a)

**3** Measure bending at the guide joint with wedge-shaped bolt (62b).

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

Receiving ring self-made according to Fig. 2.

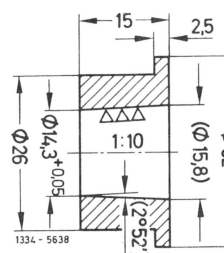


Fig. 2

**5** Insert ball pin into receiving ring and press in.

## 33.1 Check upper control arm

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

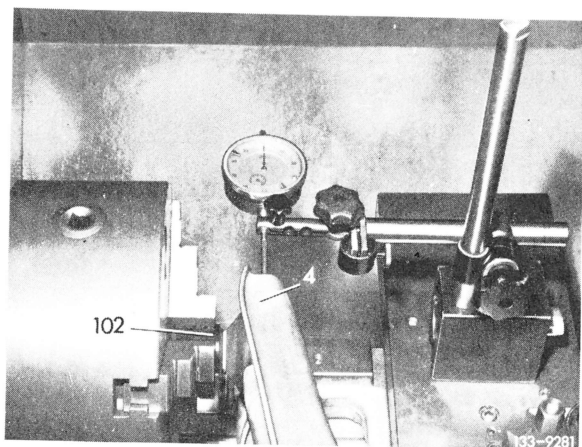


Fig. 3

4 Upper control arm

102 Receiving ring