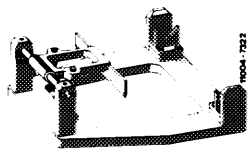
# 33–560 Checking upper control arm

**Data**

| | |
|---|---|
| Permissible offset of upper control arm | 1.5 |
| Permissible distortion of upper control arm (along vehicle longitudinal axis on guide joint) | 2 |
| Permissible distortion of ball pin for guide joint | 0.5 |

**Special tools**

| | | |
|---|---|---|
| Tool for checking upper control arm |  | 115 589 11 23 00 |
| Mounting for guide joint (concentricity test) |  | 107 589 02 31 00 |

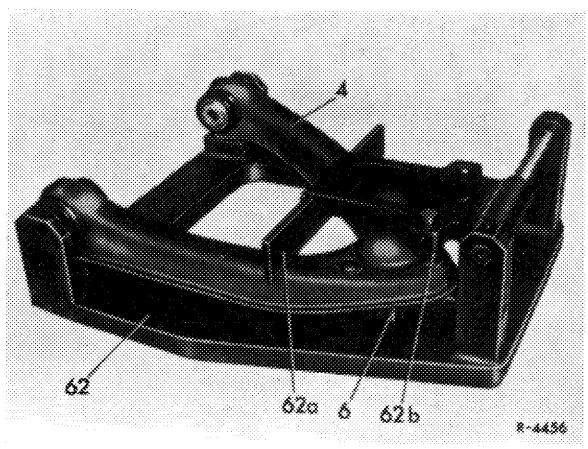
**Conventional tools**

| | |
|---|---|
| Measuring stand | e.g. made by Bosch, D-7000 Stgt.-Feuerbach order No. 0 601 980 001 |
| Dial gauge A 1 DIN 878 | e.g. made by Mahr, D-7300 Esslingen order No. 810 |

1 Place complete control arm with rubber slide bearings into fixture (62) to check for distortion and offset.

2 Check offset with straightedge (62a).

3 Measure distortion on guide joint with wedge-shaped bolt (62b).




4 Upper control arm
6 Guide joint
62 Fixture
62a Straightedge for checking offset
62b Wedge-shaped bolt for checking distortion

4 Clamp mounting for guide joint in a lathe chuck to check ball pin for distortion.

5 Introduce ball pin into mounting device (102) and press on.

6 Position dial gauge with 1 mm preload against upper control arm and determine distortion of ball pin at approx. 25/min.