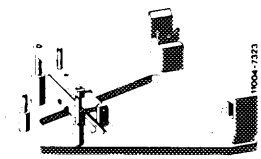
33–570 Checking lower control arm

Data

Permissible offset of lower control arm	1.5
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
Mounting ring for supporting joint		107 589 01 31 00

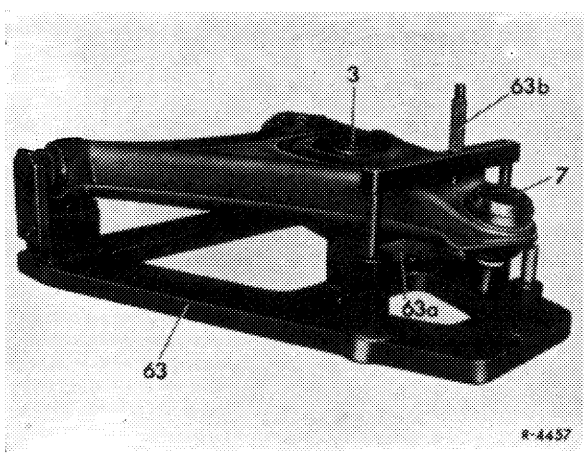
Conventional tools

Measuring stand	e.g. Messrs. Bosch, D-7000 Stgt.-Feuerbach Order No. 0 601 980 001
Dial gauge A 1 DIN 878	e.g. Messrs. Mahr, D-7300 Esslingen Order No. 810 St

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

2 Check offset with rule (63a).

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



3 Lower control arm
7 Supporting joint
63 Special device
63a Rule for checking offset
63b Bolt for checking bending

4 To check the ball pin for bending, insert receiving ring (101) into the chuck of a lathe.

5 Insert ball pin into receiving ring and press in.

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