

33-560 Checking upper control arm

Data

Permissible deformation of ball pin for guide joint	0.5
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Special tools

Mounting ring for checking ball pin	 11004-7194	116 589 05 31 00
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Assembly sleeve for wire tensioning ring on sleeve of guide joint	 11004-7196	116 589 02 14 00
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Conventional tools

Measured stand	e.g. made by Bosch, D-7000 Stuttgart-Feuerbach order no. 0 601 980 001
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Dial gauge A 1 DIN 878	e.g. made by Mahr, D-7300 Esslingen order no. 810
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Note

Checking of the upper control arm includes checking ball pin in guide joint for deformation.

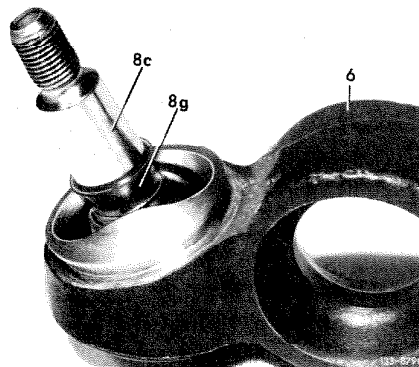
Checkup

1 Remove sleeve of guide joint and remove lubricant supply (33.2-430).

Attention!

Do not wash out guide joint.

2 Check supporting ring of guide joint.



6 Upper control arm
8c Ball pin
8g Supporting ring

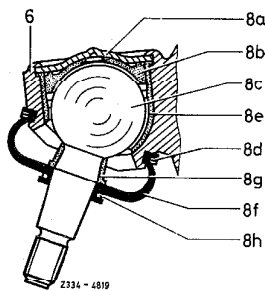
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Note: The supporting ring might have become damaged by excessive swivelling of ball pin. In such a case, renew control arm and check steering knuckle (33.2-410).

Contact marks of control arm on supporting ring are of no significance.

Guide joint

- 6 Upper control arm
- 8a Closing cover
- 8b Upper ball shell
- 8c Ball pin
- 8d Wire tensioning ring
- 8e Ball shell
- 8f Sleeve
- 8g Supporting ring
- 8h Wire tensioning ring



Note: If supporting ring is undamaged, check ball pin for distortion.

- 3 Clamp mounting ring (051) into lathe chuck.
- 4 Introduce ball pin into mounting ring (051) and apply pressure.
- 5 Position dial gauge with 1 mm preload at upper control arm and determine deformation of ball pin at approx. 25/min.

When ball pin is deformed beyond the permissible dimension, replace control arm and check steering knuckle (33-410).

