

33-570 Checking lower control arm

Data

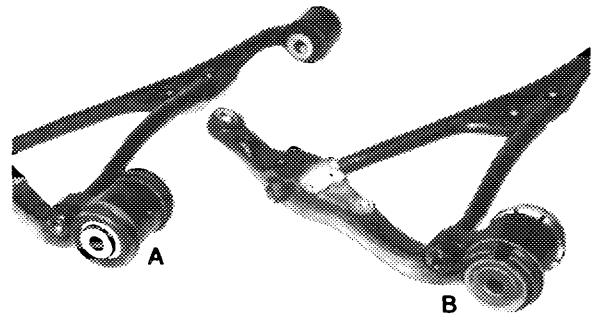
Distance "A"	On control arms without bearings (measured from sleeve up to outer edge of strut)	2 ± 2
	On control arms with three-part front bearing (measured from face end of bearing bracket up to outer edge of strut)	15 ± 2
Perm. bending and distortion	Measuring range "B"	1.1 ± 1.1
	Measuring range "C"	1.5 ± 1.5

Special Tools

Remover and installer for control arm bearing of lower control arm	116 589 16 43 00
Checking device for lower control arm	116 589 08 23 00

Note

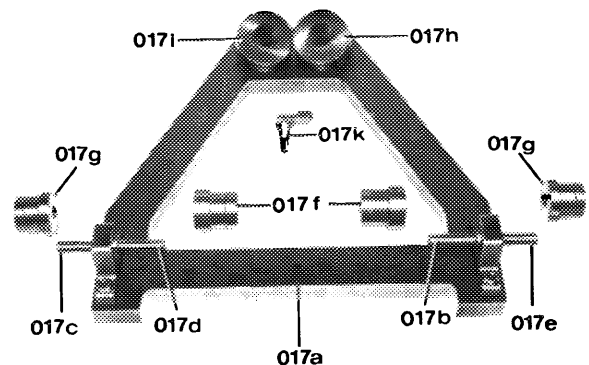
Check lower control arms with two-part front bearing **only without bearings**, control arms with three-part front bearing **with bearings**.



- A Lower control arm with three-part front bearing (radial torsion bearing with lateral axial slide bearings)
- B Lower control arm with two-part front bearing (rubber mount)

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- 017a Base plate
- 017b Mounting bolt for arm of lefthand control arm
- 017c Mounting bolt for diagonal strut of lefthand control arm
- 017d Mounting bolt for arm of righthand control arm
- 017e Mounting bolt for diagonal strut of righthand control arm
- 017f Sleeves for arms of control arms
- 017g Sleeves for diagonal struts
- 017h Measuring plate for lefthand control arm
- 017i Measuring plate for righthand control arm
- 017k Measuring indicator

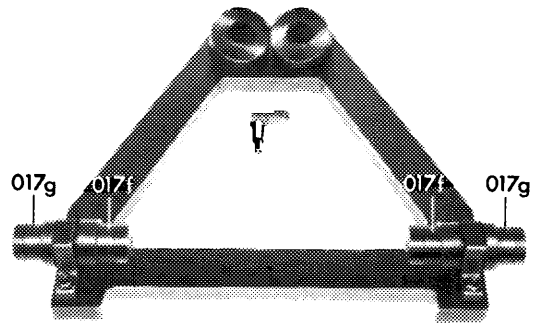


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Mounting of Control Arms on Inspection Device

Control Arm with Two-Part Front Bearing

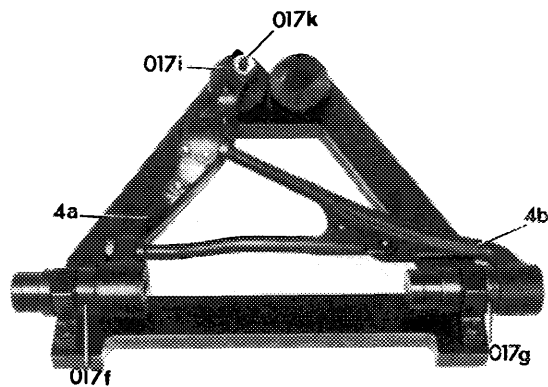
- 1 Remove front and rear bearing (33-520).
- 2 Slip sleeve (017f) for arm of control arm and sleeve (017g) for diagonal strut on mounting bolt for lefthand or righthand control arm.



017f Sleeves for arms of control arms
017g Sleeves for diagonal struts

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- 3 Place control arm on inspection device and introduce measuring indicator into conical bore for ball pin of supporting joint. Place control arm with center of measuring indicator on center of measuring plate.



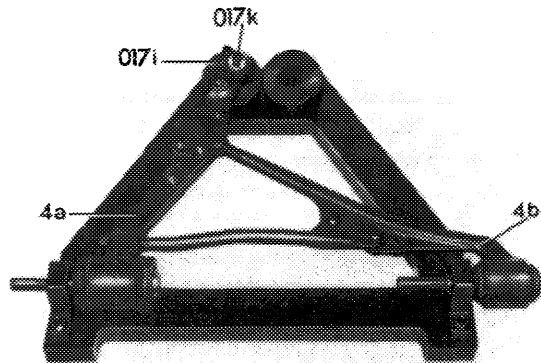
Control arms without bearings

4a Arm of control arm
4b Diagonal strut
017f Sleeve for arm of control arm
017g Sleeve for diagonal strut
017i Measuring plate for righthand control arm
017k Measuring indicator

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Control Arms with Three-Part Front Bearing

- 4 Slip control arm with bearings on respective mounting bolts.
- 5 Introduce measuring indicator into control bore for ball pin of supporting joint and place control arm with center of measuring indicator on center of measuring plate.



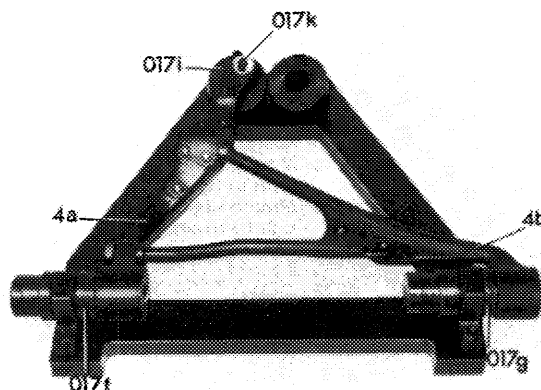
Control arms with bearings

4a Arm of control arm
4b Diagonal strut
017i Measuring plate for righthand control arm
017k Measuring indicator

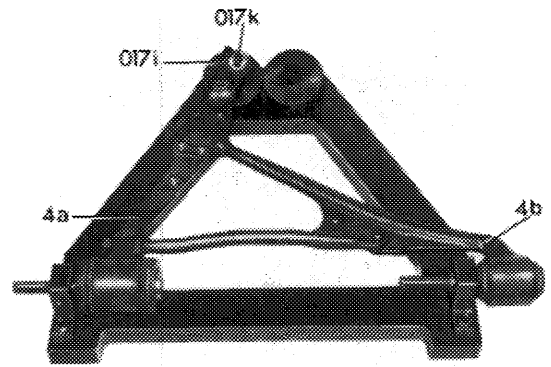
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Checkup

- 6 Place control arm without bearings against sleeve (017f) for arm of control arm, or control arm with bearings against face end of mounting bolt (017b or 017d).

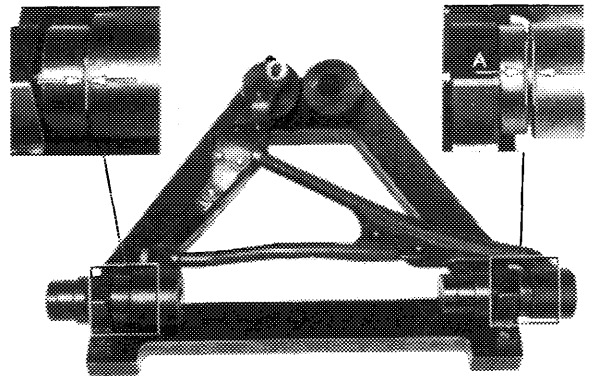


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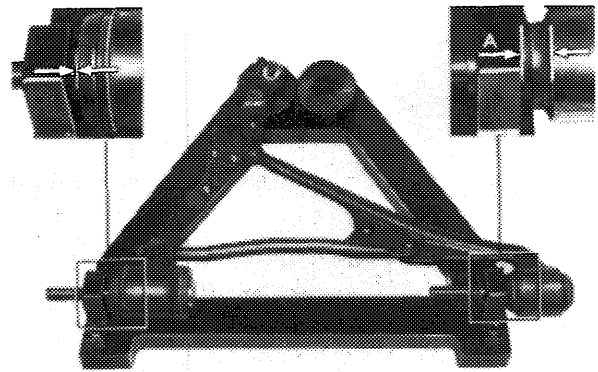
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7 Measure distance "A" on control arm without bearings between face end of sleeve and outer edge of diagonal strut and on control arm with bearings between respective bearing brackets and outer edge of diagonal strut.



Control arm without bearing
 $A = 2 \pm 2$

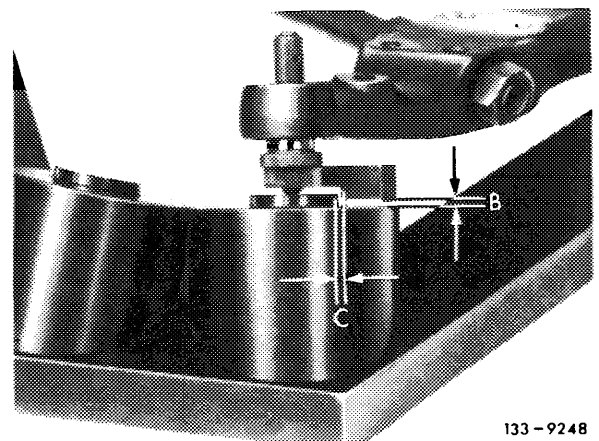
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Control arm with bearing
 $A = 15 \pm 2$

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8 Turn measuring indicator by 360°. The permissible tolerance limit is exceeded when the measuring indicator cannot be turned by 360°.



Measuring range B = 1.1 ± 1.1
 Measuring range C = 1.5 ± 1.5

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