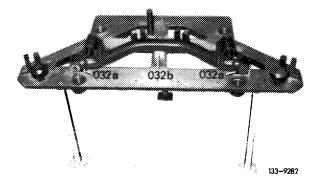
Data			
Distance between both cross yoke supporting tube (Measured at outside diameters)	es .		855 ± 1.5
Distance between both control arm bearing brackets (Measured at center bores of measuring rods)	ets	front	650 ± 2
		rear	658 ± 2
Tilt angle of both cross yoke supporting tubes toward each other			0 ° ± 40′
Tilt angle of control arm bearing brackets (Measured at outside diameters of spacing members)			2 <sup>0</sup> 45′ ± 40′
Distance of control arm bearing brackets in relation to cross yoke bearing tubes (Measured from outside diameters of spacing members in bearing center to outside diameters of cross yoke bearing tubes)			168 ± 1.5
Special tools			
Measuring device and measuring bolts for cross yoke			116 589 04 31 00
Measuring bolt with point, length 82 mm (2 each) from measuring device set	9 3	11004-10707	116 589 11 63 00
Beam compass, measuring length 1,500 mm	11004-7	274	000 589 35 19 00
Spirit level carrier, measuring range 0 <sup>0</sup> to 5 <sup>0</sup>		T0004-7275	001 589 33 21 01 <sup>1</sup> )
V-block for spirit level carrier	11004-7280		116 589 15 63 00

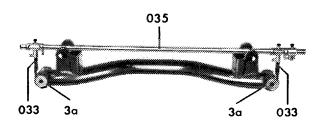
<sup>1)</sup> Spirit level carrier is a component of caster measuring instrument 001 589 33 21 00

Check cross yoke on a level surface. If the checking device for axle beams 115 589 04 23 00 is available, the measuring devices for cross yoke can be placed on this checking device.



032a Measuring devices 032b Wooden wedge

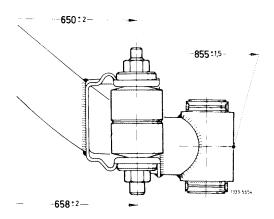
1 Measure distance of both cross yoke bearing tubes with beam compass and two measuring points.



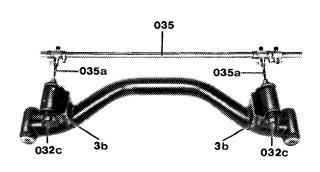
3a Cross yoke bearing tubes 33 Measuring points 35 Beam compass 033 035

133 - 9249

2 Screw measuring bolt with spacing members into both control arm bearing brackets.

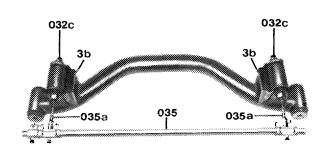


3 Measure distance of both control arm bearing brackets front and rear on centering bores of measuring bolt with beam compass and pertinent measuring points.



3b Control arm bearing brackets 032c Measuring bolts 035 Beam compass

035a Measuring points (standard version)

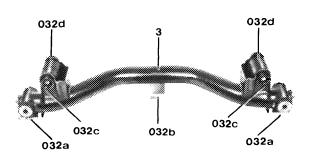


3b Control arm bearing brackets

032c Measuring bolts 035 Beam compass Beam compass 035a Measuring points (standard version)

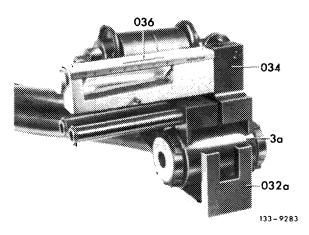
133 - 9251

4 Place cross yoke on measuring devices and slip wooden wedge in center underneath cross yoke.



133 - 9253

- 3 Cross yoke 032a Measuring devices 032b Wooden wedge 032c Measuring bolts with hex. nuts 032d Spacing members
- 5 Measure tilt angle of one cross yoke bearing tube by placing V-block with spirit level carrier on OD of cross yoke bearing tube and adjust to 00 by displacing wooden wedge.
- 6 Measure tilt angle of other cross yoke bearing tube, while placing spirit level carrier in plus or minus direction depending on measured value.



3a Cross yoke bearing tube 032a Measuring device 034 V-block

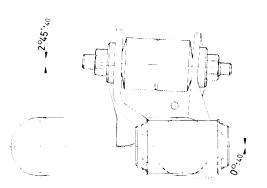
036 Spirit level carrier

Note: When held in driving direction (refer to arrow), spirit level indicates plus. When held opposite to driving direction, spirit level indicates minus.

7 Average both cross yoke bearing tubes by shifting wooden wedge as required.

## Example:

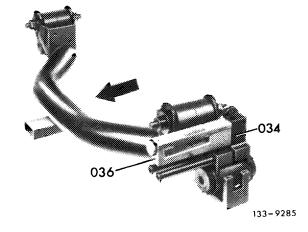
Tilt angle of lefthand cross yoke  $0^{\circ}$ bearing tube: Tilt angle of righthand cross yoke + 0<sup>o</sup> 20' bearing tube:



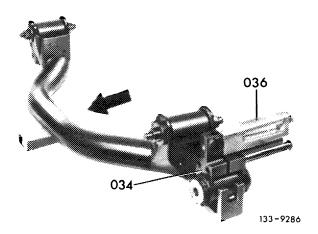
Move wooden wedge in such a manner that tilt angle of lefthand cross yoke bearing tube is and tilt angle of righthand cross yoke bearing tube is

– 0<sup>0</sup> 10′

+ 0<sup>0</sup> 10'

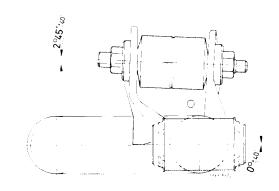


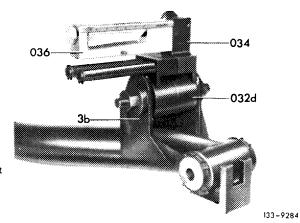
034 V-block 036 Spirit lever carrier



034 V-block 036 Spirit level carrier

8 Measure tilt angle of lefthand and righthand control arm bearing bracket by mounting V-block with spirit level carrier on spacing members.





Control arm bearing bracket **3**b

032d Spacing member V-block

034

036 Spirit level carrier 9 Check distance of control arm bearing brackets in relation to cross yoke bearing tubes on OD's. Here, the slide rule should rest against the side of measuring device located in driving direction.

3a Cross yoke bearing tube 3b Control arm bearing bracket 032a Measuring device 032d Spacing member

