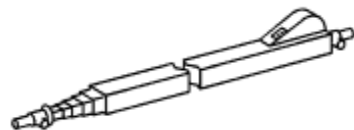


AR40.30-P-0402-01T	Carrying out distance and comparison measurements on front axle	Model 211 (except 211.08 /09 /28 /29)	
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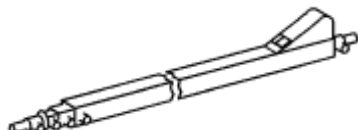
**Test values for distance and comparison measurement on front axle**

Number	Designation			Model 211 (except 211.08 /09 /28 /29)
BE40.30-P-1001-06D	Dimension	V1	mm	4
		V2	mm	4
		V3	mm	3
		V5	mm	-
		V6	mm	3
		V7	mm	-
		V8	mm	834 ( ±2)
		V9	mm	856 ( ±2)
		V10	mm	966 ( ±2)
		See picture in		



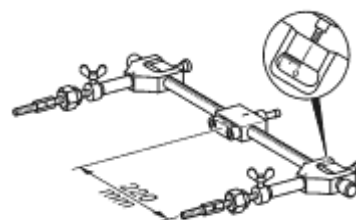
124 589 01 19 00

Telescopic measuring rod



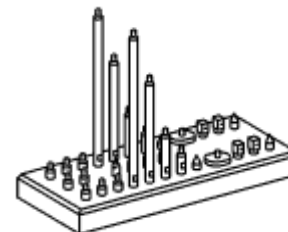
124 589 02 19 00

Telescopic measuring rod



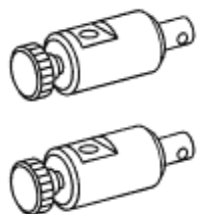
170 589 00 63 00

Mount



168 589 07 63 00

Set of measurement fixtures



124 589 08 63 00

Connecting pieces

**i** The **S** measuring set is designed in such a way, that the measuring bolts, according to the measuring points at the vehicle, can be screwed together out of mounting bolts, extensions and measuring tips/bolts.

The configuration of the measuring bolts is shown in the table, where the digits in the column headed "Measuring bolt configuration" are the special tool end numbers.

For example: 02/06/10 = 168 589 07 63 **02** (support stud)

168 589 07 63 **06** (extension)

168 589 07 63 **10** (measuring tip)

Distance and comparison measurement	Measuring bolt configuration	Telescopic measuring rod
V1	02/07/10	124 589 <b>02</b> 19 00
V2	02/07/07/10	124 589 <b>02</b> 19 00
V3	02/08	124 589 <b>01</b> 19 00
V6	02/08/10	124 589 <b>02</b> 19 00
V8	02/07/05/socket wrench bit	124 589 <b>01</b> 19 00
V9	02/06/05/socket wrench bit	124 589 <b>01</b> 19 00
V10	Front: 02/06/07/05/socket wrench bit Rear: 02/07/05/socket wrench bit	124 589 <b>02</b> 19 00

1 Measure comparison dimension (V1) from the check bore (K) to the cast surface on the torque strut (18). Measure on the left and right side in each case.



- i** To assess the consequences of accidents it is necessary that the bearings on the torque strut (18) and on the spring control arm are in a proper state. Because of the inaccuracies resulting from the tolerances of the bearings, the comparative measure (V1) is only usable to a certain extent.

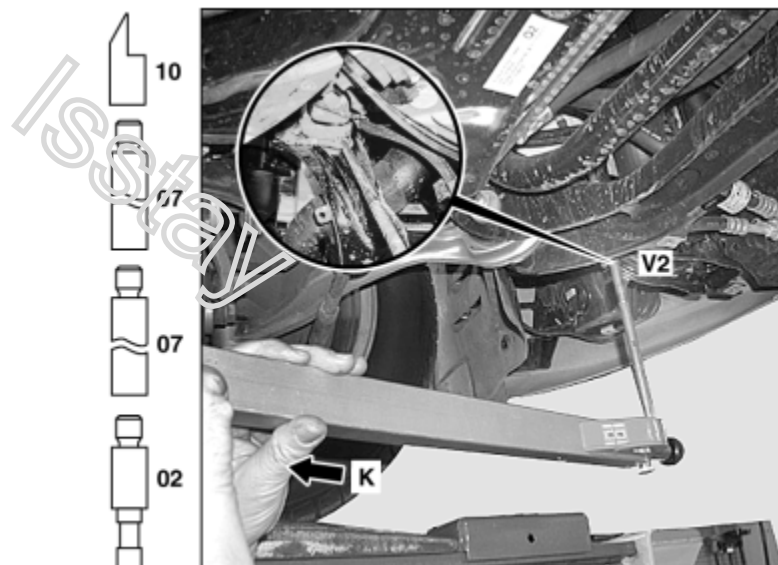
**Shows model 211**

P40.30-2143-11

- 2 Comparison dimension (V2) from the check bore (K) to the body longitudinal member. Measure on the left and right side in each case.

- i** The comparison dimension (V2) serves as a body reference dimension.

**Shows model 211**



P40.30-2144-11

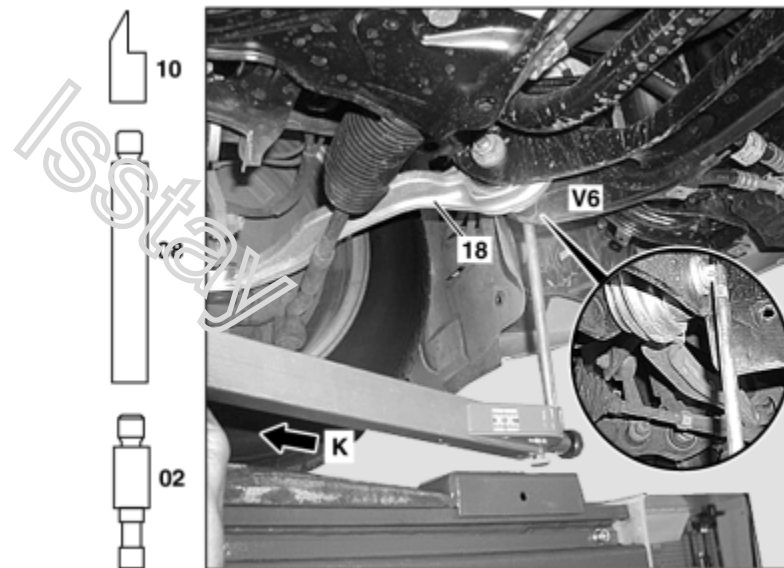
- 3 Measure comparison dimension (V3) from the check bore (K) to the centering point of the mounting screw of the spring control arm (17) on the front axle carrier. Measure on the left and right side in each case.



**Shows model 211**

P40.30-2145-11

4 Measure comparison dimension (V6) from the check bore (K) to the centering point of the mounting screw of the torque strut (18) on the front axle carrier. Measure on the left and right side in each case.

**Shows model 211**

P40.30-2146-11

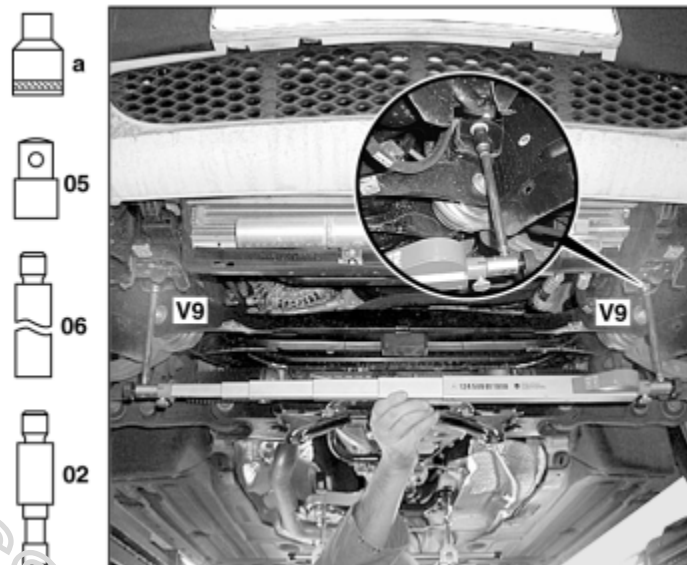
5 Measure distance dimension (V8) from the centering point of the Torx bolt heads between the rear bearings of the front axle carrier.

**Shows model 211**

P40.30-2147-11

6 Measure distance dimension (V9) from the centering point of the Torx bolt heads between the front bearings of the front axle carrier.

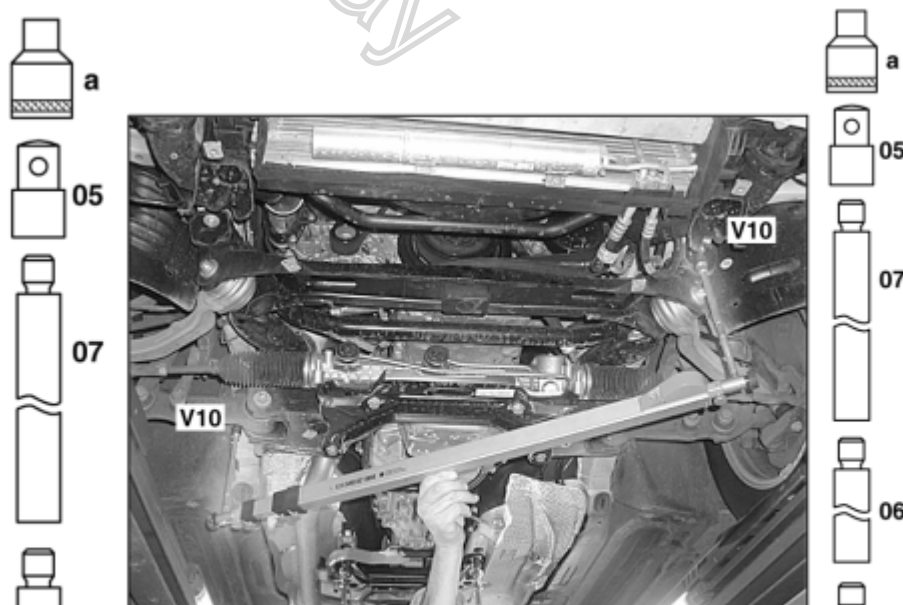
**Shows model 211**



P40.30-2148-11

7 Measure distance dimension (V10) diagonally to the centering point of the Torx bolt heads between the front and rear bearing of the front axle carrier. Measure from the left side to the right side respectively.

**Shows model 211**



P40.30-2149-06

Isstay