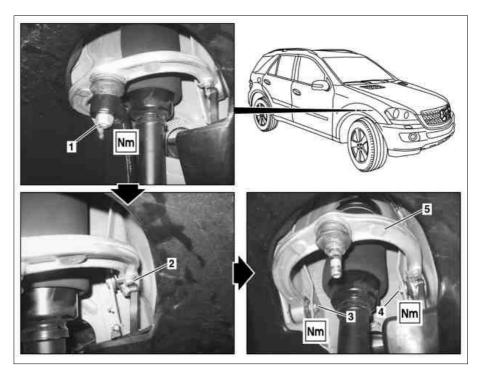
MODEL 164

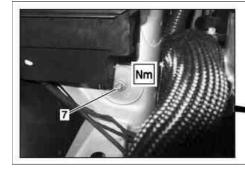
Right-hand upper transverse control arm

Overview of AIRmatic suspension, shown on model 164.1 with AIRmatic (air suspension with level adjustment and adaptive damping system ADS), code 489

- 1 Nut
- 2 Bolt
- 3 Bolt
- 4 Bolt 5 Upp
- 5 Upper transverse control arm



P33.20-2154-06







P33.20-2155-07

Shown on vehicle with Airmatic (air suspension with level adjustment and adaptive damping system ADS), code 489

6 Nut 7 Nut

Modification notes

5.8.05	Self-locking nut, upper wishbone follower joint to steering knuckle	Model 164.1	*BA33.20-P-1001-01J
	Self-locking nut of upper wishbone on front end	Model 164.1	*BA33.20-P-1002-01J

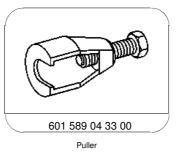
XX	Remove/install		
⚠ Danger!	Risk of death caused by vehicle slipping or toppling off of the lifting platform.	Align vehicle between the columns of the lifting platform and position the four support plates at the lifting platform support points specified by the vehicle manufacturer.	AS00.00-Z-0010-01A
(1)	Notes on self-locking nuts and bolts	All models	AH00.00-N-0001-01A
i Installation	Tighten nuts and bolts of chassis components only when vehicle is in the ready-to-drive condition.		
1	Open engine hood and raise to vertical position		AR88.40-P-1000GZ
2	Remove air plenum chamber		
3	Raise vehicle until the wheels are clear of the ground		AR00.60-P-1000GZ
		Two-post lift	*WE58.40-Z-1001-05A

4	Empty AIRmatic system using STAR DIAGNOSIS	i Only model 164.1 /8 with Airmatic (air suspension with level adjustment and adaptive damping system ADS), code 489 or Model 164.8 with AIRmatic (air suspension with level adjustment without adaptive damping system ADS), code 489 and USA version, code 494.	
► AD	Connect STAR DIAGNOSIS and read out fault memory	STAR DIAGNOSIS diagnosis system	AD00.00-P-2000-04A *WH58.30-Z-1048-13A
<u></u>	Remove front wheel	CITAL DIAGNOSIS SYSTEM	VV1100.00 2 1040 1071
⊯ AP	Remove/install wheels, rotate if necessary		AP40.10-P-4050Z
6	Unscrew nut (1) and detach steering knuckle from the upper transverse control arm (5)	Nm	*BA33.20-P-1001-01J
		Thrust piece	*140589006300
		Y Puller	*601589043300
7	Unscrew bolt (2) and detach the bracket of the right front level sensor from the upper transverse control arm (5)	Only model 164.1 /8 with Airmatic (air suspension with level adjustment and adaptive damping system ADS), code 489 or Bi-xenon headlamp unit with integrated curve illumination, code 615 or Model 164.8 with AIRmatic (air suspension with level adjustment without adaptive damping system ADS), code 489 and USA version, code 494.	
8	Unscrew nuts (6, 7) from front end	Installation: An assistant must counterhold at the bolts (3, 4).	*BA33.20-P-1002-01J
9	Pull out bolts (3, 4)		
10	Detach upper wishbone (5) from front end		
11	Check follower joint	i If the follower joint is defective, replace upper transverse control arm (5).	
12	Install in the reverse order		
		I .	L

Nm Wheel location, hub

Number	Designation			Model 164.1/8
BA33.20-P-1001-01J	Self-locking nut, upper wishbone follower joint to steering knuckle	Stage 1	Nm	20
		Stage 2	Δ°	90
BA33.20-P-1002-01J	Self-locking nut of upper wishbone on front end		Nm	61





Commercially available tools

Number	Designation	
WH58.30-Z-1048-13A	STAR DIAGNOSIS diagnosis system, Compact Passenger Car	6511 1801 00

Workshop equipment

WE58.40-Z-1001-05A	Two-post lifting platform