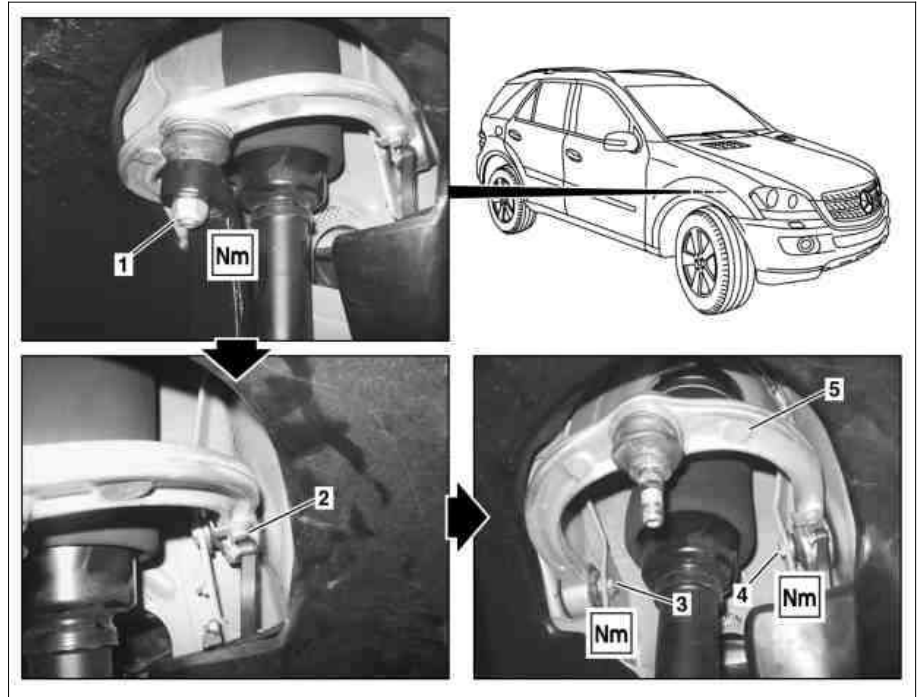


MODEL 164

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 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

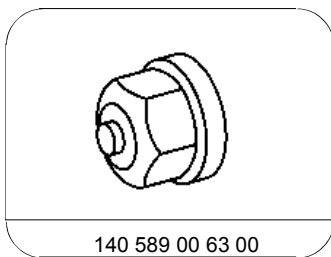
5.8.05	Self-locking nut, upper wishbone follower joint to steering knuckle	Model 164.1	*BA33.20-P-1001-01J
	Self-locking nut of upper wishbone on front end	Model 164.1	*BA33.20-P-1002-01J

	Remove/install		
 <b>Danger!</b>	<b>Risk of death</b> 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
	Notes on self-locking nuts and bolts	All models	AH00.00-N-0001-01A
 <b>Installation</b>	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	Two-post lift	AR00.60-P-1000GZ *WE58.40-Z-1001-05A

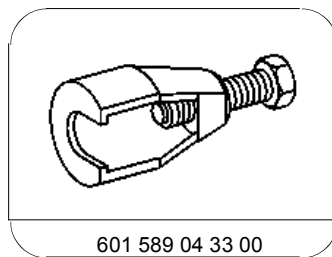
4	Empty AIRmatic system using STAR DIAGNOSIS  	 Only model 164.1 /8 with Airmatic (air suspension with level adjustment and adaptive damping system ADS), code 489 or Model 164.8 with AIRmatic (air suspension with level adjustment without adaptive damping system ADS), code 489 and USA version, code 494.  STAR DIAGNOSIS diagnosis system	AD00.00-P-2000-04A  *WH58.30-Z-1048-13A
5	Remove front wheel 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)	  Thrust piece  Puller	*BA33.20-P-1001-01J  *140589006300 *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	  <b>Installation: An assistant must counterhold at the bolts (3, 4).</b>	*BA33.20-P-1002-01J
9	Pull out bolts (3, 4)		
10	Detach upper wishbone (5) from front end		
11	Check follower joint	 If the follower joint is defective, replace upper transverse control arm (5).	
12	Install in the reverse order		

#### Wheel location, hub

Number	Designation	Model 164.1/8
BA33.20-P-1001-01J	Self-locking nut, upper wishbone follower joint to steering knuckle  Torque Angle Gauge needed for Stage 2	Stage 1 Nm 20=14.75 ft. lbs.
		Stage 2 $\angle^\circ$ 90
BA33.20-P-1002-01J	Self-locking nut of upper wishbone on front end	Nm 61=45 ft. lbs.



Thrust piece



Puller

#### 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
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