

P32.22-2160-09

Shown on left suspension strut










1 Electrical connector
2 Nuts












3 Nut
4 Upper transverse control arm
5 Steering knuckle

6 Spring control arm
40 Air suspension strut
40a Pressure line connection

Modification notes

9.8.08	"SWZ 140 589 00 33 00 for prying off upper ball joint" added	Step 3	AR33.20-P-0500-01N
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	Remove/install		
 Danger!	Risk of injury caused by moving parts that can pinch, crush or, in extreme cases, even sever extremities	No parts of the body or limbs should be within the operating range of the mechanism when moving components.	AS00.00-Z-0009-01A
	Notes on self-locking nuts and bolts		AH00.00-N-0001-01A
	When working on the front-end assembly, be careful not to scratch, mark or notch the surfaces of aluminum parts. Otherwise the service life of the parts will be affected		
 Installation	Only tighten nuts and bolts of chassis components when vehicle is in a ready-to-drive condition.		
1	Position wheels straight ahead		
2	Remove front wheel Remove/install wheels		AP40.10-P-4050Z
3	Relieve the pressure from the air suspension strut (40) using STAR DIAGNOSIS until the residual pressure is reached Notes on AIRmatic	 Residual pressure in air suspension strut up to 3.5 bar	AH32.22-P-1000-02T
4	Disconnect electrical connector (1) at the top of the shift valve		
5	Detach pressure line connection (40a)	 Seal the pressure line during repair work.  Installation: Before assembly, damaged pressure line connections or damaged pressure lines must be repaired.	AR32.22-P-2001-02I *BA32.25-P-1003-04B *211589000900
6	Unscrew nuts (2) of air suspension strut (40) to front end		*BA32.25-P-1001-04B

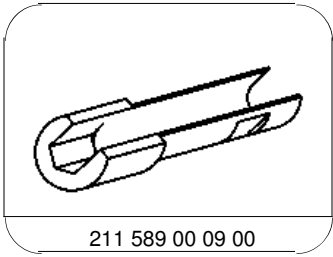
7	Remove fender liner front section in front fender		AR88.10-P-1310T
8	Disconnect electrical connector for damping valve unit		AR32.22-P-1500-01TV
9	Unscrew nut (3) and press upper ball joint out of steering knuckle (5)	 To prevent the steering knuckle from folding down too low, attach a support strap between the upper control arm (4) and wheel carrier.    	AR33.20-P-0500-01N *210589046300 *202589023300 *140589003300 *BA33.20-P-1018-01A
10	Detach air suspension strut (40) from spring control arm (6)	 Installation: Tighten the threaded connection in the curb condition at normal vehicle level.	
11	Press down spring control arm (6), detach air suspension strut (40) from spring control arm (6) and remove sideways and downwards	 When replacing or reinstalling the air suspension strut, check the condition of the air suspension strut: ↓ Check the minimum installation length of the air suspension struts and replace the air suspension struts if necessary.	AR32.25-P-1017-02T OS32.25-P-0122-01J
	Dispose of suspension strut.		
12	Install in the reverse order		
13	Charge relevant air suspension strut (40) using STAR DIAGNOSIS to 5 bar	 The wheels must not touch the ground while pressurizing because the air spring bellows in the air suspension strut will be irreparably damaged if pressurized with the suspension compressed.	
14	Tighten threaded connection of air suspension struts (40) on spring control arm (6) to curb condition	 Select the normal vehicle level. 	*BA32.25-P-1007-04B
15	Check AIRmatic for leaks.		AR32.22-P-8100T

Suspension struts

Number	Designation		Model 211 Airmatic
BA32.25-P-1001-04B	Nut, front suspension strut to front end	Nm	30
BA32.25-P-1003-04B	Air suspension pressure line to front suspension strut	Nm	2
BA32.25-P-1007-04B	Nut, front suspension strut to spring control arm	Nm	165

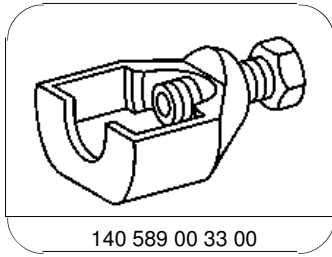
Wheel location, hub

Number	Designation		Model 211 except 211.08/09/28/29
BA33.20-P-1018-01A	Self-locking nut, upper wishbone follower joint to steering knuckle	Stage 1	Nm 20
		Stage 2	∠° 90



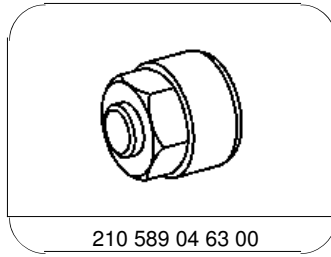
211 589 00 09 00

Wrench socket



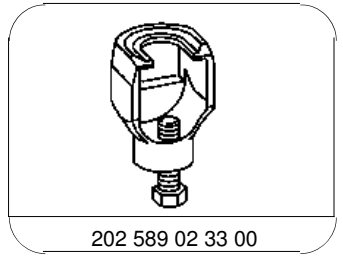
140 589 00 33 00

Puller



210 589 04 63 00

Thrust washer M 10x1.5



202 589 02 33 00

Puller