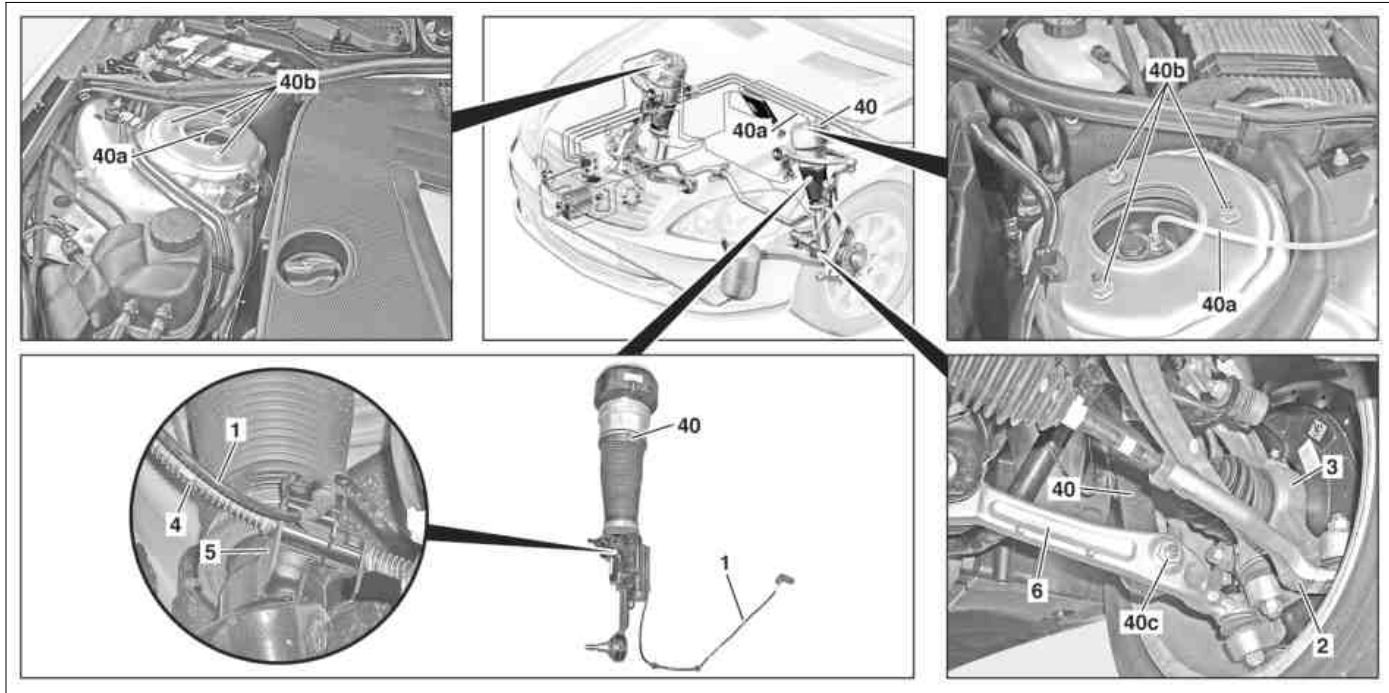

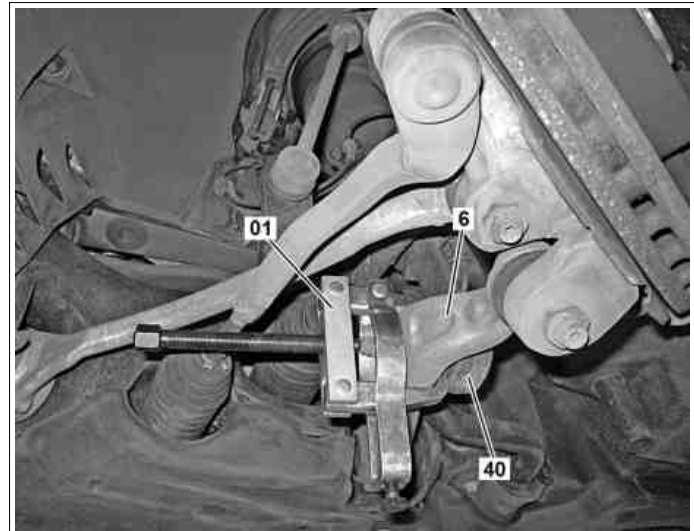


MODEL 221, 216
with 4MATIC



P32.25-2178-09




- 1 Electrical line
- 2 Tie rod
- 3 Steering knuckle
- 4 Brake hose
- 01  Puller
- 6 Spring control arm
- 40 Suspension strut
- 5 Bracket
- 6 Spring control arm
- 40 Suspension strut
- 40a Pressure line
- 40b Nuts
- 40c Nut



P32.25-2228-11

Modification notes

18.3.08	Detach tie rod from steering knuckle, discontinued Detach upper transverse control arm from steering knuckle, discontinued		
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	Remove/install		
	Notes on self-locking nuts and bolts		AH00.00-N-0001-01A
	Notes on AIRmatic		AH32.22-P-1000-02SX
1	Secure vehicle on vehicle lift		AR00.60-P-0100SX
2	Release pressure in suspension strut (40) completely using STAR DIAGNOSIS		
3	Detach pressure line (40a) from suspension	Nm	*BA32.25-P-1003-04L

		<p> If pressure line connection or pressure line (40a) is damaged: ↓ Repair AIRmatic pressure line connection.</p> <p> Nm</p> <p> Nm</p> <p> Nm</p> <p> Nm</p> <p> Nm</p> <p> Nm</p> <p> Nm</p> <p> Nm</p> <p>Leak detection spray for USA</p>	<p>AR32.22-P-2001-02SX</p> <p>*BA32.22-P-1002-03D</p> <p>*BA32.22-P-1004-03D</p> <p>*BA32.22-P-1006-03D</p> <p>*BA32.25-P-1003-04L</p> <p>*BA32.25-P-1006-04L</p> <p>*000589122800</p> <p>*211589000900</p> <p>*BR00.45-Z-1002-03A</p> <p>*BR00.45-Z-1004-03A</p>
4	Unscrew nuts (40b)	Nm	*BA32.25-P-1001-04L
5	Remove front wheel Remove/install wheels		AP40.10-P-4050SX
6	Disconnect electrical line (1) of front axle damping valve unit from front axle electrical distributor connector		AR33.10-P-0100-06SX
7	Unclip brake hose (4) and electrical line (1) from bracket (5)		
8	Unscrew nut (40c) and press suspension strut (40) out of spring control arm (6)	<p> The thrust piece from the puller (01) is not required.</p> <p> Turn steering onto lock:</p> <ul style="list-style-type: none"> ● Left side: Turn steering onto left lock. ● Right side: Turn steering onto right lock. <p> Nm</p> <p> Nm</p>	<p>*BA32.25-P-1007-04L</p> <p>*123589083300</p>
9	Remove suspension strut (40) downward toward rear	<p> Turn steering onto lock:</p> <ul style="list-style-type: none"> ● Left side: Turn steering onto left lock. ● Right side: Turn steering onto right lock. 	
	Checking		
10	Check suspension strut (40)	<p> When replacing or reinstalling, check the condition and if damaged or faulty replace the suspension strut (40): ↓ Dispose of suspension strut.</p>	<p>AR32.25-P-1017-02SX</p> <p>OS32.25-P-0122-01SX</p>
11	Install in the reverse order		
12	Check connection of pressure line (40a) to suspension strut (40) for leaks		AR32.22-P-8100SX

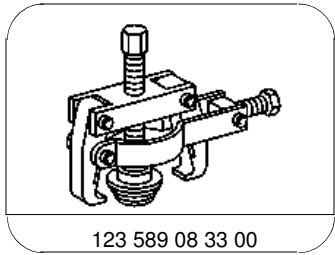
Air suspension

Number	Designation		Model 216	Model 221
BA32.22-P-1002-03D	Pressure line air suspension to pressure reservoir	Nm	5	5
BA32.22-P-1004-03D	Pressure line, air suspension to compressor	Nm	5	5
BA32.22-P-1006-03D	Pressure line of air suspension to valve unit	Nm	3	3

Suspension struts

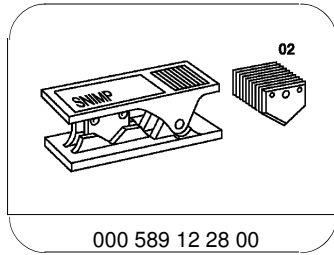
Number	Designation		Model 216 with 4MATIC	Model 221 with 4MATIC
BA32.25-P-1001-04L	Nut, front suspension strut to front end	Stage 1	Nm 35	35
		Stage 2	Nm -	-
BA32.25-P-1003-04L	Air suspension pressure line to suspension strut	Nm	5	5

BA32.25-P-1006-04L	Air suspension pressure line to rear air spring	Nm	5	5
BA32.25-P-1007-04L	Nut, front suspension strut to spring control arm	M14	Nm	110
		M16	Nm	-



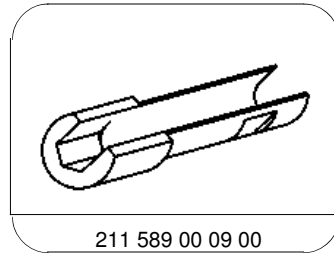
123 589 08 33 00

Puller



000 589 12 28 00

Slitting knife



211 589 00 09 00

Wrench socket

Repair materials

Number	Designation	Order number
BR00.45-Z-1002-03A	Leak detection spray	Christof Fischer GmbH, Augsburger Str. 289-293, 70327 Stuttgart Germany Tel. +49 711 30502-0 Fax +49 711 30502-10 www.kaeltetfischer.de
BR00.45-Z-1004-03A	Leakage spray for USA	LIQUI MOLY Gary Boyd 1820 Clark Avenue Long Beach, CA 90815 USA Tel. +1 562 5975519 Fax + 1 562 5975269 www.liqui-moly.com