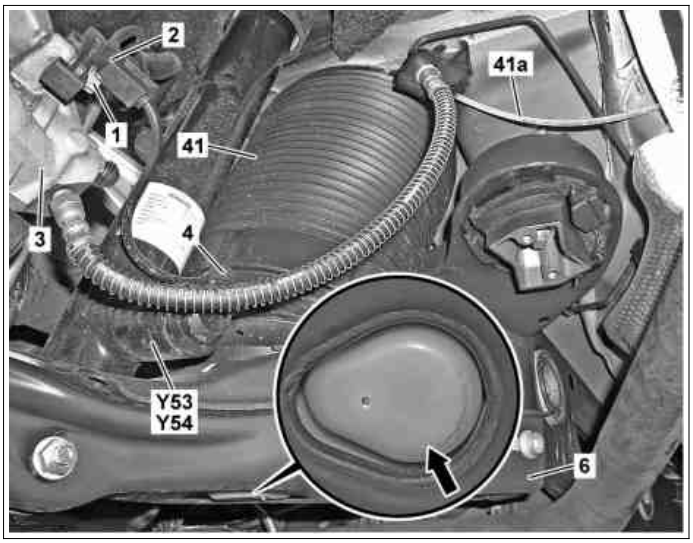
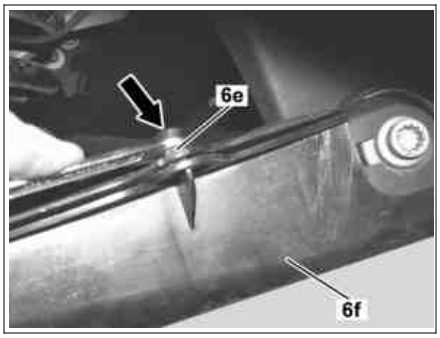
MODEL 212.0/1
with CODE 488 (Steel/air suspension)
with CODE 489 (AIRMATIC (air suspension with continuous damper adjustment))
MODEL 212.2
MODEL 218
with CODE 488 (Steel/air suspension)
with CODE 489 (AIRMATIC (air suspension with continuous damper adjustment))

1 Screw/bolt
2 Bracket
3 Brake caliper
4 Connector
6 Spring control arm
41 Air spring
41a Pressure line
Y53 Left rear axle damping valve unit
Y54 Right rear axle damping valve unit



P32.22-2461-11

6e Lock
6f Cover



P35.20-2239-01

	Remove/install		
⚠ **Danger !**	**Risk of injury** . Moving parts can pinch, crush or, in extreme cases even sever extremities.	No parts of the body or limbs should be within the operating area of the mechanism when the components are moving.	AS00.00-Z-0009-01A
⚠ **Danger !**	**Risk of death** caused by vehicle slipping or toppling off of the lifting platform.	Align vehicle between vehicle lift columns and position the four support plates at the vehicle lift support points specified by vehicle manufacturer.	AS00.00-Z-0010-01A
	Notes on AIRmatic		AH32.22-P-1000-02EW
1 AP	Remove rear wheel		AP40.10-P-4050EW
2 AD	Empty air spring (41) using diagnostic system	Vehicles with code (489) AIRmatic (air suspension with continuous adjustment damping) or with code (488) Steel/air suspension **Installation:** Install and fill air spring (41) as per specifications. The air spring (41) may otherwise be damaged and fail later.	AD00.00-P-2000-04A
3	Switch off ignition		
4	Detach cover (6f) from spring control arm (6)	Compress locks (6e) of cover (6f) using sleeve or box wrench (arrow).	

5	Detach connector (4) from left rear-axle damping valve unit (Y53) or right rear-axle damping valve unit (Y54)		
6	Detach bracket (2) from brake caliper (3); to do this, remove bolt (1)	Nm Bolt, brake lining contact sensor to brake caliper	*BA42.10-P-1003-12J
7	Detach pressure line (41a) on air spring (41)	**Installation:** When reinstalling the old air spring (41), make sure that the pressure line (41a) is carefully screwed on to the plastic thread. If it is not screwed on properly, the plastic thread will be damaged thus causing irreparable damage to the air spring (41). **Installation:** If a new air spring (41) is installed, detach the old pressure line connection from the pressure line (41a). To do this break open the clamping ring, detach pressure line connection and insert the pressure line (41a) up to the marking in the new pressure line connection. Pull back pressure line (41a) a short distance so that the peripheral retaining edges in the inside of the clamping ring engage in the line outer surface. Seal pressure line (41a) with blind plugs during repair work. Leak detection spray Leak detection spray for USA Nm Pressure line to air suspension/valve unit Socket wrench bit Damaged pressure line connections or damaged pressure lines (41a) must be repaired. Refer to: ↓ Repairing AIRmatic pressure line connection Nm Pressure line to air suspension/valve unit Leak detection spray Leak detection spray for USA Socket wrench bit Knife	 *BR00.45-Z-1002-03A *BR00.45-Z-1004-03A *BA32.22-P-1010-03E *211589000900 AR32.22-P-2001-02SX *BA32.22-P-1010-03E *BR00.45-Z-1002-03A *BR00.45-Z-1004-03A *211589000900 *000589122800
8	Remove rear damper from spring control arm (6)	MODEL 212/218 with AMG Push damper together and move out rearwards. Nm Self-locking nut, shock absorber to spring control arm	 *BA32.25-P-1001-03M
9	Pull air spring (41) downwards carefully at its upper plastic frame until the air spring (41) releases from the retaining clip	Do not turn air spring (41). It will be damaged otherwise. **Installation:** The air spring (41) must engage in the retaining clip. In the process the retaining clip of the air spring (41) will be irreparably damaged. ↓ Replacing retaining clip	 AR32.22-P-1500-02EW
10	Remove air spring (41) rearwards over brake hose	Carefully remove air spring (41). Otherwise the protective boot of the air spring (41) will be damaged. **Installation:** There must not be any intrusions on the protective boot. The inner air spring bellows will otherwise be damaged by the movement of the spring. **Installation:** The air spring (41) with the air spring centering (arrow) must be positioned correctly in the lower spring control arm (6).	
	Check		
11	Check air spring (41) for damage	Replace if necessary.	
12	Install in the reverse order		

		MODEL 218	AR32.22-P-8100EL
14 AD	Read out fault memory using the diagnostic system and delete if necessary		AD00.00-P-2000-04A
15	Perform engine test run and check AIRmatic for proper operation		

Rear axle shock absorber

Number	Designation			MODEL 212	MODEL 218
BA32.25-P-1001-03M	Self-locking nut, shock absorber to spring control arm	Stage 1	Nm	60	60
		Stage 2	∡°	60	60

Rear axle brake caliper

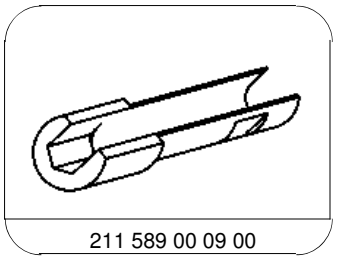
Number	Designation		MODEL 212 (except 212.074/077/274/277)	MODEL 212.074/077/274/277
BA42.10-P-1003-12J	Bolt, brake lining contact sensor to brake caliper	Nm	8	8

Rear axle brake caliper

Number	Designation		MODEL 218 (except 218.374/974)	MODEL 218.374/974
BA42.10-P-1003-12J	Bolt, brake lining contact sensor to brake caliper	Nm	8	8

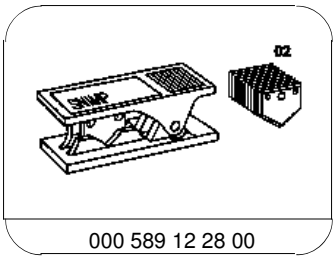
Air suspension

Number	Designation		MODEL 212	MODEL 218
BA32.22-P-1010-03E	Pressure line to air suspension/valve unit	Nm	2 (+0,5)	2 (+0,5)



211 589 00 09 00

Socket wrench bit



000 589 12 28 00

Knife

Repair materials

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