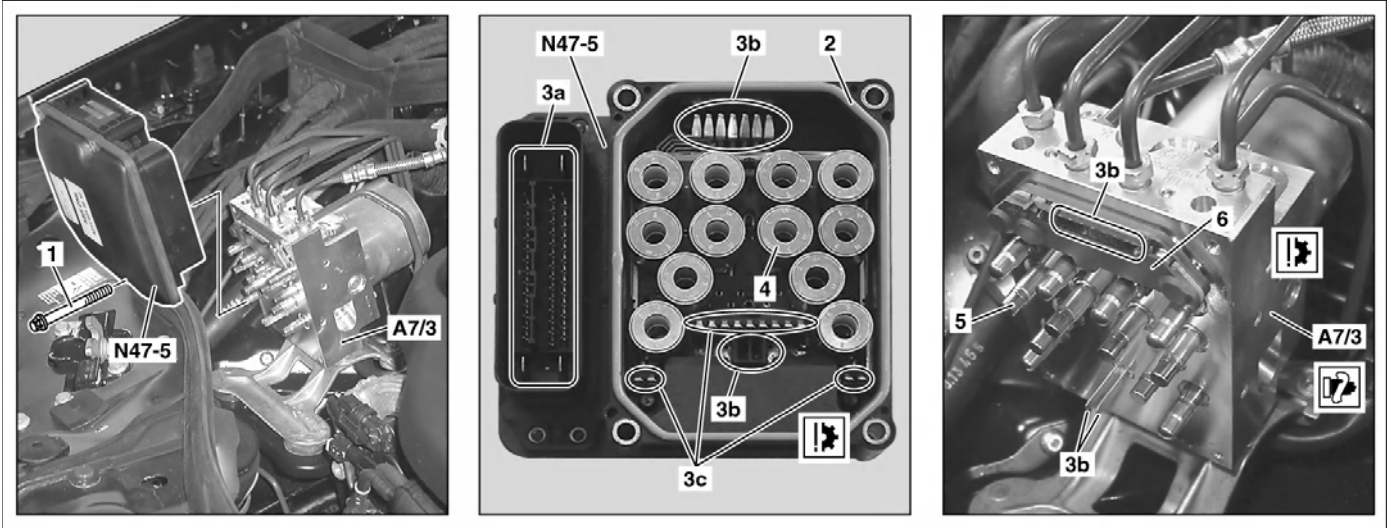


MODEL 211, 219
with Adaptive Brake (ABR)



P42.45-2578-08

1 Bolt
2 Seal
3a Contact

3b Contact
3c Contact
4 Valve coil
5 Valve tower

6 Pressure sensor
A7/3 Traction system hydraulic unit
N47-5 ESP control unit

	Remove/install		
	Notes on avoiding damage to electronic components due to electrostatic discharge		AH54.00-P-0001-01A
	Notes on repairs to brake system		AH42.00-P-0003-01A
1	Remove key from ignition lock		
2	Remove right engine intake air duct		
	Clean		
3	Clean control unit (N47-5) and hydraulic unit (A7/3)	<p> Before opening the brake system the area around the separation point should be cleaned thoroughly. Even the smallest particles of dirt, introduced into the hydraulic components, can lead to malfunctions and a total failure of the brake system. Only use clean, lint free rags and cleaner free of mineral oil. Do not use any compressed-air for cleaning when the brake system is open. LU cleaner</p>	*BR00.45-Z-1028-04A
4	Disconnect electrical connector from control unit (N47-5)	<p> Observe the notes, otherwise the locking mechanism could be damaged.</p> <p> To prevent damage and malfunctions, do not touch, bend or damage the contacts (3a) of the plug and socket. Do not allow foreign objects, dirt or fluids to enter the socket or plug.</p>	AR42.45-P-0820-02T
5	Remove bolts (1, 4 pieces)	<p> Installation: Do not recut the thread in the hydraulic unit (A7/3). Replace bolts (1). Screw down the bolts (1) in stages in a crosswise pattern before tightening them.</p> <p> Model 211</p> <p> Model 219</p> <p></p> <p></p>	<p>*BA42.45-P-1003-01D</p> <p>*BA42.45-P-1003-01H</p> <p>*001589872100</p> <p>*WH58.30-Z-1009-06A</p>
6	Remove control unit (N47-5) from hydraulic unit (A7/3)	<p> To prevent damage and malfunctions, do not touch the seal (2), contacts (3a, 3b, 3c), valve coils (4), valve towers (5) and pressure sensor (6).</p> <p> To prevent damage and malfunctions, do not allow foreign objects, dirt or fluids to enter the control unit (N47-5) or hydraulic unit (A7/3).</p>	

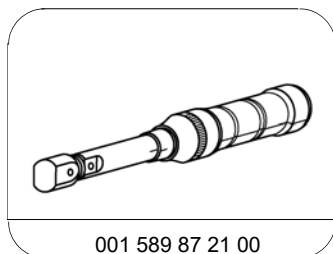
		<p>⚠ Installation: To prevent damage, do not allow forces above 150 N to be applied to the cover of the control unit (N47-5).</p> <p>⚠ Installation: Check whether the seal (2) is damaged and seated correctly. Replace the control unit (N47-5) if the seal (2) is loose or damaged.</p>	
◀	Checking		
7	Check contacts (3a, 3b) on control unit (N47-5) and hydraulic unit (A7/3)		AR42.45-P-0820-03T
🧹	Clean		
8	Clean sealing surface on hydraulic unit (A7/3)	i Do not use any solvents or chemical cleaners; use only plastic scrapers and clean, lint-free linen rags.	
9	Install in the reverse order		
◀	Checking		
10	Use STAR DIAGNOSIS to update control unit (N47-5) software Connect STAR DIAGNOSIS and read out fault memory	STAR DIAGNOSIS diagnosis system	*WH58.30-Z-1048-13A AD00.00-P-2000-04A
11	Read out fault memory with STAR DIAGNOSIS and erase if necessary.		

Nm Electronic stability program (ESP)

Number	Designation		Model 211 with ABR [Adaptive Brake]
BA42.45-P-1003-01D	Bolt, ESP control unit to traction system hydraulic unit	Nm	4.5

Nm Electronic Stability Program (ESP)

Number	Designation		Model 219 with ABR [Adaptive Brake]
BA42.45-P-1003-01H	Bolt, ESP control unit to traction system hydraulic unit	Nm	4.5



001 589 87 21 00

Torque wrench

Commercially available tools

Number	Designation	
WH58.30-Z-1009-06A	Open-end reversible ratchet, 3/8" for 9X12 mm socket	
WH58.30-Z-1048-13A	STAR DIAGNOSIS diagnosis system, Compact Passenger Car	6511 1801 00

Repair materials

Number	Designation	Order number
BR00.45-Z-1028-04A	LU cleaner	Adolf Würth GmbH & Co. KG Reinhold-Würth-Str. 12-17 74653 Künzelsau-Gaisbach Germany Tel. +49 7940 15-0 Fax +49 7940 15-1000 www.wuerth.de