

P42.20-2126-09

- 040 Removal and installation tool
- 041 Installation tool
- 61 Brake disk
- 86 Rear brake cable
- 103 Brake shoes




- 104 Thrust piece
- 105 Adjusting mechanism
- 107 Retaining spring
- 109 Expansion lock
- 109a Pin

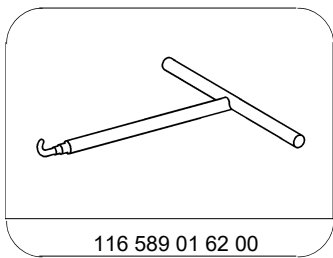
- 110 Cap
- 111 Front retracting spring
- 112 Rear retracting spring
- c Thumbwheel

**Modification notes**

29.11.11	Long-life grease repair materials replaced by hot-grease paste	Operation step 7, 9	
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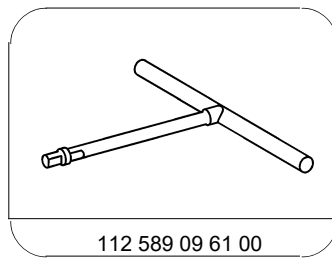
	<b>Remove/install</b>		
	<b>Risk of injury</b> caused by body parts being jammed or crushed. <b>Risk of injury</b> to skin and eyes caused by brake fluid spraying out at high pressure when working on the SBC brake system	Deactivate SBC brake system using STAR DIAGNOSIS.	AS42.46-Z-0001-01A
	Notes on repairs to brake system		AH42.00-P-0003-01A
1	Deactivate SBC brake system using STAR DIAGNOSIS.	Vehicles with Sensotronic Brake Control (SBC) The following steps should be run through in STAR DIAGNOSIS: Select menu item "SBC Sensotronic Brake Control"/"Deactivate 'SBC' system". Then process all the individual steps from top to bottom. STAR DIAGNOSIS diagnosis system	
2	Remove brake disk (61) from the rear axle		AR42.10-P-0220R
3	Detach front retracting spring (111)  using removal and installation tool (040)		*116589016200
4	Detach rear retracting spring (112)  using removal and installation tool (040)		*116589016200
5	Remove upper retaining spring (107)  using installation tool (041)	Compress upper retaining spring (107) and turn through 90° to the left or right. 	*112589096100
6	Take off top brake shoe (103)	If the brake shoes (103) are burnt or brake disk surfaces are damaged, the brake shoes (103), retracting springs (111, 112), retaining springs (107) and brake disks (61) must be replaced.	

7	Take off adjusting mechanism (105)	<b>i</b> <b>Installation:</b> Grease the thread of the thrust piece (104) and inner cylinder of the adjusting mechanism (105) lightly . Turn back adjusting mechanism (105) and in this way mount on the lower brake shoe (103) so that positioning wheel (c) is pointing up. Hot lubricating paste	*BR00.45-Z-1005-06A
8	Remove lower retaining spring (107)  using installation tool (041) and remove lower brake shoes (103)	<b>i</b> Compress lower retaining spring (107) and turn through 90° to the left or right.	
9	Remove expansion lock (109). To do this, fold open expansion lock (109) and press pin (109a) out of expansion lock (109) and rear brake cable (86)	<b>i</b> <b>Installation:</b> Grease bolt (109a) as well as bearing surfaces and sliding surfaces on the expansion lock (109) lightly. Hot lubricating paste	*BR00.45-Z-1005-06A
	<b>Checking</b>		
10	Inspect cap (110).   Notes on installing the cap on the brake stator	<b>i</b> Check cap (110) is seated firmly, check for score marks and deformation, replace if necessary.	AH42.20-P-0530-01T
11	Check rear brake cable (86)	<b>i</b> Check for ease of movement and chafing marks, replace if necessary: ↓ Install new rear brake cable (86).	AR42.20-P-0525T
12	Install in the reverse order		
13	Adjust parking brake		AR42.20-P-0540T
14	Activate SBC brake system using STAR DIAGNOSIS	Vehicles with Sensotronic Brake Control (SBC) <b>i</b> The following steps should be run through in STAR DIAGNOSIS: Select the menu item "SBC-Sensotronic Brake Control"/"Initial startup after repair"/"Remove/install brake shoes". Then process all the individual steps from top to bottom.	



116 589 01 62 00

Removal and installation tool



112 589 09 61 00

Installation tool

### Repair materials

Number	Designation	Order number
BR00.45-Z-1005-06A	Paste, hot lubrication 1 kg, DB supply specification 6879.20	A 000 989 76 51