

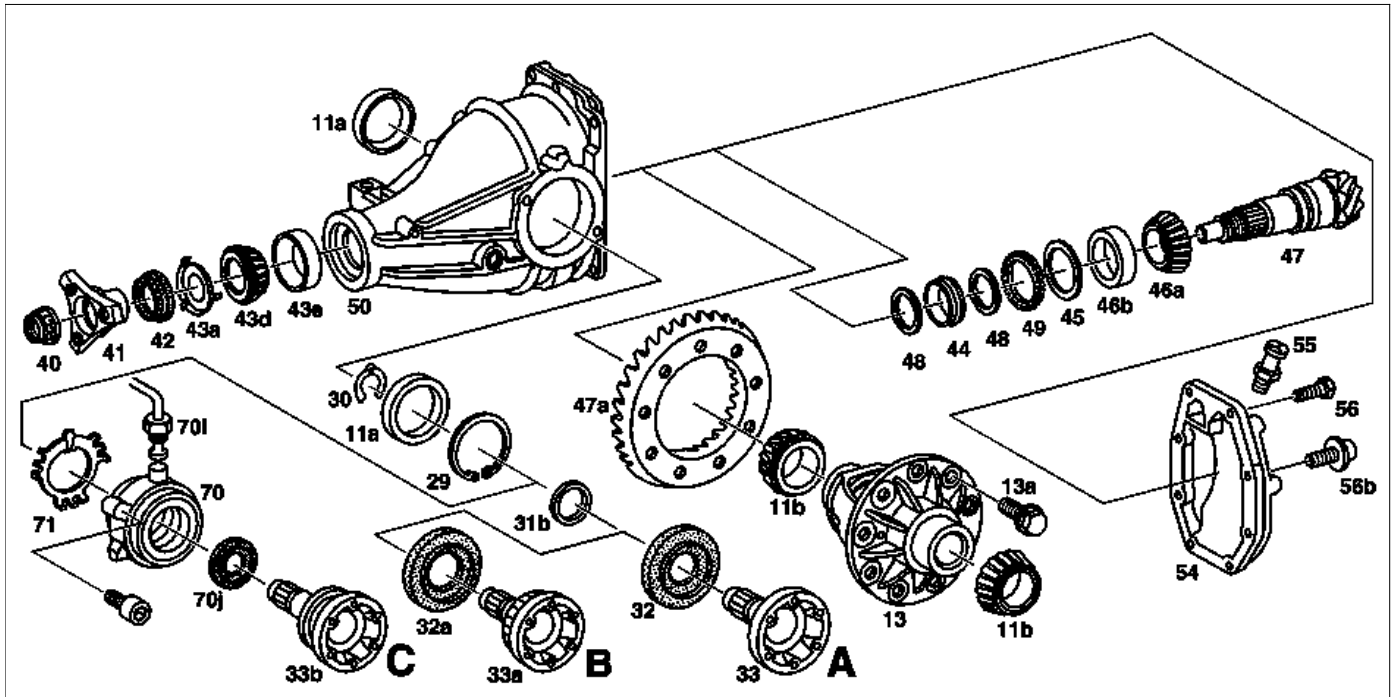
Rear axle differential dia. 185
in model 124.003 /004 /007 /019 /022 /023 /026 /027 /030 /040 /042 /043 /050 /060 /062 /079 /082 /083 /090,
124.104 /107 as of 1.5.94,
124.127 /128 /129 /130 /131 /133 /188 /190 /191 /193 /226 /230 /290 /330 /333 /393, 129.060, 170.444 /445 /447 /449, 201.028
/029 /035 /036 /128, 202.020 /022 /023 /024 /025 /026 /028 /029 /080 /081 /082 /083 /086 /087 /088 /089 /128 /188, 208.335
/344 /345 /347 /348 /435 /444 /445 /447 /448, 210.010 /020 /035 /037 /048 /061 /062 /210 /235 /237 /248 /261 /262 /610

Rear axle differential dia. 185
in model 124.020 /021 /080 /081 /120 /125 /126 /180 /185 /186, 201.018 /023 /024 /122 /126 as of 1.11.88,
202.018 /078 /120 /121 /122 /125 /182, 210.003 /004 with CODE (450) taxi version

Rear axle differential dia. 185
in model 124.186 as of 1.3.94,
202.134 /194, 210.007 except CODE (450) Taxi version

Rear axle differential dia. 185 in model 202.018 /120 /121 /125 with CODE (211) rear axle with automatic locking differential (ASD)

Rear axle differential dia. 185 in MODEL 202.085 with TRANSMISSION 722
































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














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|---------------------------------------|---------------------------------------|-------------------------------|
| 11a Tapered roller bearing outer race | 41 Joint flange | 50 Rear axle center assembly |
| 11b Tapered roller bearing inner race | 42 Radial sealing ring | 54 End cover |
| 13 Differential | 43a Thrust washer | 55 Rear axle breather |
| 13a Retaining bolts | 43d Tapered roller bearing inner race | 56 Screw |
| 29 Retaining ring | 43e Tapered roller bearing outer race | 56b Collar bolt |
| 30 Retaining ring | 44 Spacer sleeve | 70 Ring cylinder |
| 31b Spacer ring | 45 Shim | 70j Radial sealing ring (ASD) |
| 32 Radial sealing ring (standard) | 46a Tapered roller bearing inner race | 70l Hydraulic line |
| 32a Radial sealing ring (ASR) | 46b Tapered roller bearing outer race | 71 Oil baffle plate |
| 33 Connecting flange (standard) | 47 Drive pinion | |
| 33a Connecting flange (ASR) | 47a Ring gear | A Standard version |
| 33b Connecting flange (ASD) | 48 Bearing washers | B ASR version |
| 40 Twelve-point collar nut | 49 ABS gear | C ASD version |

	Removing		
Danger!	Risk of death caused by vehicle slipping or toppling off of the lifting platform.	Align vehicle between columns of vehicle lift and position four support plates at vehicle lift support points specified by vehicle manufacturer.	AS00.00-Z-0010-01A
1	Raise vehicle with vehicle lift		
2	Drain oil from rear axle differential (50)	Cleaning spray, Loctite 7063 (150ml) Sealant, Omnifit 100H (50 g) Oil drain screw Phased in as of 19.01.04	AR35.31-P-0520-06A *BR00.45-Z-1046-04A *BR00.45-Z-1061-01A *BA35.31-P-1003-02A BT35.31-P-0015-01A
BT	Oil filler/drain screw on rear axle differential modified		
3	Remove rear axle differential (50)	Model 124, 201	ra35001240520x

		Model 129 Model 170, 202, 208 Model 210 Model 124, 129, 201	AR35.31-P-0520C AR35.31-P-0520D AR35.31-P-0520B BT35.31-P-0004-01A
BT	Tapped hole for rpm sensor relocated at rear axle housing		
GF	Features, installation survey for rear axle differentials	Model 124, 129, 170, 201, 202, 208, 210 up to 30.6.99	GF35.31-P-1000-01C
	Disassemble		
4	Clamp rear axle differential (50) in assembly stand.		AR35.31-P-0540-06B
5	Remove end cover (54) Rear axle differential end cover with non-machined sealing surface	Model 170, 208, 210 as of 08.05.00, 202.087 /088 /089 /188, 202.078 with CODE (450) Taxi version, 202.194 except CODE (450) Taxi version	BT35.31-P-0014-01A
6.1	Pull retaining rings (30) off both connecting flanges (33 or 33a, 33b).		AR35.31-P-0540-01A
7.1	Pull out connecting flanges (33 or 33a, 33b). Radial seal on side of rear axle housing and connecting flange modified	 As of 01.04.98, vehicles without ASD/ASR	BT35.31-P-0013-01A
8	Press off left and right radial sealing rings (32, 32a, 70j). BT Radial seal on side of rear axle housing and connecting flange modified	Vehicles with code (211) Rear axle with automatic locking differential (ASD) Vehicles with code (471) Acceleration skid control (ASR) Vehicles without ASD/ASR As of 01.04.98, vehicles without ASD/ASR	AR35.31-P-0540-05G AR35.31-P-0540-05H AR35.31-P-0540-05F BT35.31-P-0013-01A
9.1	Remove hydraulic line (70l). BT Routing of hydraulic line and ASD ring cylinder modified	Vehicles with code (211) Rear axle with automatic locking differential (ASD) As of 07/89	AR35.41-P-0545-01C BT35.41-P-0002-01A
10.1	Remove ring cylinder (70).	Vehicles with code (211) Automatic locking differential (ASD)	AR35.41-P-0545-02C
11.1	Remove oil baffle plate (71).	Vehicles with code (211) Automatic locking differential (ASD)	
12	Remove right retaining ring (29) from rear axle housing using spreader.	Mark retaining ring (29).	AR35.31-P-0550-36C
13	Remove left retaining ring (29) from rear axle housing using spreader.	Mark the retaining ring (29).	
14	Remove both tapered roller bearing outer races (11a) out of rear axle housing	Mark tapered roller bearing outer races (11a)	AR35.31-P-0550-02C
15	Take differential (13) out of rear axle housing		AR35.31-P-0550-03B
16	Detach both tapered roller bearing inner races (11b) from differential (13)	Mark tapered roller bearing inner races (11b).	AR35.31-P-0550-04C
17	Loosen and remove retaining bolts (13a) from crown wheel (47a)	Mark position of ring gear (47a) in relation to differential (13).	
18	Carefully press off crown wheel (47a) from differential (13)		
19	Loosen and remove twelve-point collar nut (40) from joint flange (41).		AR35.31-P-0550-35C
20	Detach joint flange (41). BT Radial sealing ring and joint flange on drive pinion modified BT Radial sealing ring and joint flange on drive pinion modified	If necessary, mark joint flange with respect to drive pinion. As of 01.04.98 As of 15.01.02	AR35.31-P-0550-06B BT35.31-P-0012-01A BT35.31-P-0012-01B
21	Push drive pinion (47) out of rear axle housing		AR35.31-P-0550-07A
22	Press radial sealing ring (42) out of the rear axle housing using a suitable screwdriver. BT Radial sealing ring and joint flange on drive pinion modified BT Radial sealing ring and joint flange on drive pinion modified	As of 01.04.98 As of 15.01.02	AR35.31-P-0550-08B BT35.31-P-0012-01A BT35.31-P-0012-01B
23	Remove tapered roller bearing inner race (43d) with thrust washer (43a). BT Integrated thrust washer on tapered roller bearing inner race	Model 124, 129, 201 as of 03/94	BT35.31-P-9402-01A
24	Remove tapered roller bearing outer races (46b, 43e) and shim (45) from rear axle housing.		AR35.31-P-0550-09C
25	Remove spacer sleeve (44) with thrust plates (48) from drive pinion (47)		

26.1	Pull ABS gear (49) off drive pinion (47).	Vehicles with code (470) Antilock brake system (ABS) , except vehicles with ETS, ASR, ESP and except model 170	AR35.31-P-0550-30B
27	Pull tapered roller bearing inner race (46a) from drive pinion (47)		AR35.31-P-0550-10C
	Checking		
28	Inspect all parts to determine whether they can be reused, replace if necessary	If the contact surfaces of the connecting and joint flanges show signs of severe galling due to the radial sealing ring, the flanges must be replaced with new flanges.	
29.1	Check drive pinion (47) and ring gear (47a) for match-up number	Only lapped gear sets up to approx. 06/95 have a match-up number. Each lapped gear set is checked for the best possible smooth running and marked with a consecutive match-up number that is marked on both parts. Phased in as of 06/95	AR35.31-P-0550-11A
BT	Ground ring gear and pinions	Model 201.028/029 H	BT35.31-P-0011-01B
BT	Ground ring gear and pinions		BT35.31-P-0011-01A
	Assembly, adjusting ring gear and pinion		
30	Press tapered roller bearing inner race (46a) onto drive pinion (47) Press-on sleeve for tapered roller bearing inner race		AR35.31-P-0550-12C WF58.50-P-3531-03B
WF			
31.1	Press ABS gear (49) onto drive pinion (47). Press-on sleeve for ABS gear	Vehicles with code (470) Antilock brake system (ABS) , except vehicles with ETS, ASR, ESP and except model 170 Number of teeth on ABS gear: ↓ Features, installation survey for rear axle differentials	AR35.31-P-0550-31B WF58.50-P-3531-04B GF35.31-P-1000-01C
WF			
GF			
32	Calculate shim (45) and installing in rear axle housing	Use data sheet: ↓ Data sheet, Adjusting rear axle gear set: Order No. B20.800.98.113.00C	AR35.31-P-0550-13C
33	Pull tapered roller bearing outer races (43e, 46b) into rear axle housing		AR35.31-P-0550-14C
34	Install spacer sleeve (44) on drive pinion (47) with double-sided thrust plates (48)	Always replace spacer sleeve (44) and thrust plates (48).	AR35.31-P-0550-26B
35	Insert drive pinion (47) into rear axle housing.	Support drive pinion (47) with removal and installation tool.	AR35.31-P-0550-15B
36.1	Clip pressure plate (43a) onto tapered roller bearing inner race (43d). Integrated thrust washer on tapered roller bearing inner race	Rear axle differentials up to 02/94	AR35.31-P-0550-37C BT35.31-P-9402-01A
BT			
37	Install tapered roller bearing inner race (43d) on drive pinion (47) and press in together with radial sealing ring (42). Universal hypoid gear oils Radial sealing ring and joint flange on drive pinion modified Radial sealing ring and joint flange on drive pinion modified	Replace radial sealing ring (42) and coat the lip with universal hypoid gear oil. As of 01.04.98 As of 15.01.02	AR35.31-P-0550-16C BB00.40-P-0235-07A BT35.31-P-0012-01A BT35.31-P-0012-01B
BB			
BT			
BT			
38	Slide joint flange (41) onto drive pinion (47) Universal hypoid gear oils Radial sealing ring and joint flange on drive pinion modified Radial sealing ring and joint flange on drive pinion modified Imbalance on drive pinion joint flange reduced	Possibly observe applied marking. Coat contact face for radial sealing ring with universal hypoid gear oil. As of 01.04.98 As of 15.01.02 Model 124, 129, 201	BB00.40-P-0235-07A BT35.31-P-0012-01A BT35.31-P-0012-01B BT35.31-P-0007-01A
BB			
BT			
BT			
BT			
39	Screw on twelve-point collar nut (40).	Install new twelve-point collar nut (40). Socket	*126589020900
40	Adjusting friction torque of drive pinion bearing		AR35.31-P-0550-17C
41	Check adjustment dimension for drive pinion (47)		AR35.31-P-0550-18C
42	Secure twelve-point collar nut (40) on joint flange (41). Chisel for securing collar nut on joint flange		AR35.31-P-0530-01B WF58.50-P-3531-01A
WF			
43.1	Dismantling and assembling differential (13)	Vehicles with ASD except	AR35.31-P-0560A

43.2	Disassemble/assemble ASD differential (13).	Vehicles with code (211) Rear axle with automatic locking differential (ASD) up to 31.5.94	AR35.41-P-0560C
44	Mount ring gear (47a) onto differential (13)  BT Tightening torque of ring gear bolts reduced	  Observe marking applied to ring gear (47a) and differential (13). Model 124, 129, 201 as of 01.02.87	AR35.31-P-0550-19A BT35.31-P-0005-01A
45	Press tapered roller bearing inner races (11b) onto differential (13)		AR35.31-P-0550-20C
46	Install differential (13) in rear axle housing	 Fix differential (13) with drifts.	AR35.31-P-0550-03B
47	Insert left tapered roller bearing outer race (11a) into rear axle housing		AR35.31-P-0550-38C
48	Insert left retaining ring (29)	 Install the retaining ring (29) removed and marked previously in order to achieve a basic pre-tension of the rear axle housing.	AR35.31-P-0550-27C
49	 Remove right drift from differential (13).		
50	Install right tapered roller bearing outer race (11a) in rear axle housing.	 Drift	*126589001500
51	Pretension (spread) rear axle housing using spreader.	  Ensure that the dial indicator with measuring bracket remains in position "0".	AR35.31-P-0550-23C
52	Insert right retaining ring (29)	 Install the retaining ring (29) removed and marked previously in order to achieve a basic pre-tension of the rear axle housing.	AR35.31-P-0550-22C
53	Release rear axle housing		
54	Measure expanded dimension of rear axle housing		AR35.31-P-0550-24C
55	 Remove spreader from rear axle housing		
56	Measure gear backlash between drive pinion (47) and ring gear (47a), correct if necessary.	  The adjustment of the tapered roller bearing and the gear set is OK when the spread dimension (expansion) of the rear axle housing and the gear backlash are within the nominal values. This prevents damage to the teeth of the drive pinion gear (47) and the ring gear (47a).	AR35.31-P-0550-25C
57	Check that retaining ring (29) is correctly seated.		AR35.31-P-0550-32C
58	Install oil baffle plate (71).	Vehicles with code (211) Rear axle with automatic locking differential (ASD)  Ensure correct seating.	AR35.41-P-0545-03C
59	Attach ring cylinder (70).  BB Hydraulic fluids (Specification 343.0)	Vehicles with code (211) Rear axle with automatic locking differential (ASD)  Coat ring cylinder at circumference of O-ring with hydraulic fluid.	AR35.41-P-0545-02C BB00.40-P-0343-00A
60	Attach hydraulic line (70l).  BT Routing of hydraulic line and ASD ring cylinder modified	Vehicles with code (211) Rear axle with automatic locking differential (ASD)	AR35.41-P-0545-01C BT35.41-P-0002-01A
61	Press radial sealing rings (32 or 32a, 70j) into rear axle housing.  BB Universal hypoid gear oils  BT Radial seal on side of rear axle housing and connecting flange modified	  Install new radial sealing ring and coat lip with universal hypoid gear oil. Vehicles with code (211) Rear axle with automatic locking differential (ASD) Vehicles with code (471) Acceleration skid control (ASR) Vehicles without ASD/ASR As of 01.04.98, vehicles without ASD/ASR	BB00.40-P-0235-07A AR35.31-P-0540-05G AR35.31-P-0540-05H AR35.31-P-0540-05F BT35.31-P-0013-01A
62.1	Slide spacer rings (31b) onto connecting flanges (33 or 33a).	Vehicles without ASD	
63.1	Install connecting flanges (33 or 33a, 33b) in differential (13).  BT Connecting flange with centering  BT Radial seal on side of rear axle housing and connecting flange modified	Model 124, 129, 201 As of 01.04.98, vehicles without ASD/ASR	BT35.31-P-0009-01A BT35.31-P-0013-01A
64.1	Fit retaining rings (30) onto connecting flanges.	 Install new retaining ring (30).	AR35.31-P-0540-01A
65.1	Check and adjust axial play of connecting flange	Vehicles without ASD  On vehicles with code (211) Rear axle with automatic locking differential (ASD) no axial play adjustment is required.	AR35.31-P-0540-02E

66	Attach end cover (54)	 If a replacement part end cover is mounted, it is essential to observe whether the sealing surface is machined or unmachined. Use suitable sealant. End cover with machined sealing surface in model 124, 129, 201 and in model 170, 202, 208, 210 up to 07.05.00 End cover with unmachined sealing surface in model 170, 202, 208, 210 as of 08.05.00 Vehicles as of 08.05.00	AR35.31-P-0550-28C AR35.31-P-0550-28CA BT35.31-P-0014-01A
 BT	End cover with unmachined sealing surface		
67	Replace rear axle breather (55) on end cover (54)	 Model 124, 129, 170, 201, 202, 208, 210	*BA35.31-P-1005-02A
68	Remove rear axle differential (50) from assembly stand 		
	Install		
69	Install rear axle differential (50).	Model 124, 201 Model 129 Model 170, 202, 208 Model 210	ra35001240520x AR35.31-P-0520C AR35.31-P-0520D AR35.31-P-0520B
70	Pour oil into the rear axle differential (50)	Model 129, 170, 202, 208, 210  Model 129  Model 170  Model 202  Model 208  Model 210 Cleaning spray, Loctite 7063 (150ml) Sealant, Omnifit 100H (50 g)  Oil filler screw for rear axle differential Model 124, 201  Model 124  Model 201 Cleaning spray, Loctite 7063 (150ml) Sealant, Omnifit 100H (50 g)  Oil filler screw for rear axle differential Phased in as of 19.01.04	AR35.31-P-0520-03A *BF35.31-P-1001-01C *BF35.31-P-1001-01F *BF35.31-P-1001-01D *BF35.31-P-1001-01H *BF35.31-P-1001-01E *BR00.45-Z-1046-04A *BR00.45-Z-1061-01A *BA35.31-P-1002-02A AR35.31-P-0520-03AA *BF35.31-P-1001-01B *BF35.31-P-1001-01G *BR00.45-Z-1046-04A *BR00.45-Z-1061-01A *BA35.31-P-1002-02A BT35.31-P-0015-01A
 BT	Oil filler/drain screw on rear axle differential modified		
71.1	Bleed ASD hydraulic system	Vehicles with code (211) Rear axle with automatic locking differential (ASD) : Model 124, 201 Model 129, 202	ra35001240519x AR35.41-P-0519C

Test values for friction torque of rear axle differential

Number	Designation		Model 124.003/004/007/ 019/022/023/026/027/ 030/040/042/043/050/ 060/062/079/082/083/ 090 Model 124.104/107 as of 01.05.94 Model 124.127/128/129/ 130/131/133 Model 124.186 as of 01.03.94, except (code 450) taxi version Model 124.188/190/191/ 193/226/230/290/330/ 333/393	Model 124.020/021/080/ 081/120/125/126/180/ 185/186, with (code 450) taxi version as of 01.11.88	Model 129.060
BE35.31-P-1001-02C	Friction torque of drive pinion bearing (new tapered roller bearings)	Ncm	125-150	125-150	125-150

Test values for friction torque of rear axle differential

Number	Designation		Model 170.444/445/ 447/449	Model 201.018/023/024/ 122/126, with (code 450) taxi version as of 01.11.88	Model 201.028/ 029/035/ 036/128
BE35.31-P-1001-02C	Friction torque of drive pinion bearing (new tapered roller bearings)	Ncm	125-150	125-150	125-150

Test values for friction torque of rear axle differential

Number	Designation		Model 202.018/078/120/ 121/122/125/182 with (code 450) taxi version, Model 202.018/020/022/ 120/121/125 with ASD (code 211)	Model 202.020/022/023/ 024/025/026/028/029/ 080/081/082/083/086/ 087/088/089/128/188 Model 202.085 with automatic 5-speed transmission, model 202.134/194, except (code 450)
BE35.31-P-1001-02C	Friction torque of drive pinion bearing (new tapered roller bearings)	Ncm	125-150	125-150

Test values for friction torque of rear axle differential

Number	Designation		Model 208.335/344/345/ 347/348/435/ 444/445/447/448	Model 210.010/ 020/035/037/ 048/061/062/ 210/235/237/ 248/261/262/610
BE35.31-P-1001-02C	Friction torque of drive pinion bearing (new tapered roller bearings)	Ncm	125-150	125-150

Test values for friction torque of rear axle differential

Number	Designation		Model 210.003/004 with (Code 450) 210.007 except code 450
BE35.31-P-1001-02C	Friction torque of drive pinion bearing (new tapered roller bearings)	Ncm	125-150

Test values for rear axle differential

Number	Designation	Model 124	Model 129	Model 170

BE35.31-P-1001-03A	Permissible deviation from the specified adjustment dimension on the end face of the drive pinion	mm	-0.02/+0.01	-0.02/+0.01	-0.02/+0.01
BE35.31-P-1002-03A	Gear backlash between crown wheel and pinion	mm	0,08-0,14	0,08-0,14	0,08-0,14
BE35.31-P-1003-03A	Crown wheel heating temperature for installation	°C	75-85	75-85	75-85

Test values for rear axle differential

Number	Designation		Model 201	Model 202
BE35.31-P-1001-03A	Permissible deviation from the specified adjustment dimension on the end face of the drive pinion	mm	-0.02/+0.01	-0.02/+0.01
BE35.31-P-1002-03A	Gear backlash between crown wheel and pinion	mm	0,08-0,14	0,08-0,14
BE35.31-P-1003-03A	Crown wheel heating temperature for installation	°C	75-85	75-85

Test values for rear axle differential

Number	Designation		Model 208	Model 210
BE35.31-P-1001-03A	Permissible deviation from the specified adjustment dimension on the end face of the drive pinion	mm	-0.02/+0.01	-0.02/+0.01
BE35.31-P-1002-03A	Gear backlash between crown wheel and pinion	mm	0,08-0,14	0,08-0,14
BE35.31-P-1003-03A	Crown wheel heating temperature for installation	°C	75-85	75-85

Test values for rear axle housing expansion

Number	Designation		
			<p>Model 124.003/004/007/019/022/023/026/027/030/040/042/043/050/060/062/079/082/083/090, Model 124.104/107 as of 01.05.94 Model 124.127/128/129/130/131/133, model 124.186 as of 01.03.94, except (code 450) Model 124.188/190/191/193/226/230/290/330/333/393</p>

BE35.31-P-1001-04C	Rear axle housing expansion (spread dimension) for retaining ring removal	mm	0.2	0.2
BE35.31-P-1002-04C	Rear axle housing expansion (spread dimension) when installing retaining ring	mm	0.3	0.3
BE35.31-P-1003-04C	Setting for rear axle housing expansion (spread dimension)	mm	0.11 to 0.17	0.11 to 0.17

Test values for rear axle housing expansion

Number	Designation	Model 129.060	Model 170.444/ 445/447/ 449	Model 201.018/023/024/ 122/126, with (code 450) as of 01.11.88
BE35.31-P-1001-04C	Rear axle housing expansion (spread dimension) for retaining ring removal	mm	0.2	0.2
BE35.31-P-1002-04C	Rear axle housing expansion (spread dimension) when installing retaining ring	mm	0.3	0.3
BE35.31-P-1003-04C	Setting for rear axle housing expansion (spread dimension)	mm	0.11 to 0.17	0.11 to 0.17

Test values for rear axle housing expansion

Number	Designation	Model 201.028/ 029/035/036/ 128	Model 202.018/078/ 120/121/122/ 125/182 with (code 450), model 202.018/020/ 022/120/121/125 with (code 211) ASD	Model 202.020/022/023/ 024/025/026/028/029/ 080/081/082/083/086/ 087/088/089/ 128/188, model 202.085 with automatic 5-speed transmission, Model 202.134/194 except code 450
BE35.31-P-1001-04C	Rear axle housing expansion (spread dimension) for retaining ring removal	mm	0.2	0.2
BE35.31-P-1002-04C	Rear axle housing expansion (spread dimension) when installing retaining ring	mm	0.3	0.3
BE35.31-P-1003-04C	Setting for rear axle housing expansion (spread dimension)	mm	0.11 to 0.17	0.11 to 0.17

Test values for rear axle housing expansion

Number	Designation	Model 208.335/344/ 345/347/348/ 435/444/445/ 447/448	Model 210.010/020/ 035/037/048/ 061/062/210/ 235/237/248/ 261/262/610

BE35.31-P-1001-04C	Rear axle housing expansion (spread dimension) for retaining ring removal	mm	0.2	0.2
BE35.31-P-1002-04C	Rear axle housing expansion (spread dimension) when installing retaining ring	mm	0.3	0.3
BE35.31-P-1003-04C	Setting for rear axle housing expansion (spread dimension)	mm	0.11 to 0.17	0.11 to 0.17

Test values for rear axle housing expansion

Number	Designation	Model 210.003/004 with code 450 Model 210.007 except code 450
BE35.31-P-1001-04C	Rear axle housing expansion (spread dimension) for retaining ring removal	mm 0.2
BE35.31-P-1002-04C	Rear axle housing expansion (spread dimension) when installing retaining ring	mm 0.3
BE35.31-P-1003-04C	Setting for rear axle housing expansion (spread dimension)	mm 0.11 to 0.17

Test values for connecting flange/differential housing

Number	Designation	Type 124	Model 129	Type 170	Type 201
BE35.31-P-1001-05A	Axial play between connecting flange and differential housing	mm 0.03 to 0.3	0.03 to 0.3	0.03 to 0.3	0.03 to 0.3

Test values for connecting flange/differential housing

Number	Designation	Model 202	Type 208	Model 210
BE35.31-P-1001-05A	Axial play between connecting flange and differential housing	mm 0.03 to 0.3	0.03 to 0.3	0.03 to 0.3

Rear axle center assembly housing

Number	Designation	Model 124	Model 129		
BA35.31-P-1001-02A	Bolt, end cover to rear axle differential	Bolt+washer	Nm 50	50	
		Flange bolt (TORX, internal serrations)	Stage 1 Nm	30	30
			Stage 2 Δ°	45	45

BA35.31-P-1002-02A	Oil filler screw, rear axle differential	Nm	50	50
BA35.31-P-1003-02A	Oil drain screw for rear axle differential	Nm	50	50
BA35.31-P-1005-02A	Breather, rear axle differential	Nm	25	30

Nm Rear axle center assembly housing

Number	Designation			Model 170	Model 201	
BA35.31-P-1001-02A	Bolt, end cover to rear axle differential	Bolt+washer	Nm	-	50	
		Flange bolt (TORX, internal serrations)	Stage 1	Nm	30	30
			Stage 2	⊘	45	45
BA35.31-P-1002-02A	Oil filler screw, rear axle differential	Nm	50	50		
BA35.31-P-1003-02A	Oil drain screw for rear axle differential	Nm	50	50		
BA35.31-P-1005-02A	Breather, rear axle differential	Nm	25	25		

Nm Rear axle center assembly housing

Number	Designation			Model 202	Model 208	
BA35.31-P-1001-02A	Bolt, end cover to rear axle differential	Bolt+washer	Nm	50	-	
		Flange bolt (TORX, internal serrations)	Stage 1	Nm	30	30
			Stage 2	⊘	45	45
BA35.31-P-1002-02A	Oil filler screw, rear axle differential	Nm	50	50		
BA35.31-P-1003-02A	Oil drain screw for rear axle differential	Nm	50	50		
BA35.31-P-1005-02A	Breather, rear axle differential	Nm	25	25		

Nm Rear axle center assembly housing

Number	Designation			Model 210	
BA35.31-P-1001-02A	Bolt, end cover to rear axle differential	Bolt+washer	Nm	50	
		Flange bolt (TORX, internal serrations)	Stage 1	Nm	30
			Stage 2	⊘	45

BA35.31-P-1002-02A	Oil filler screw, rear axle differential	Nm	50
BA35.31-P-1003-02A	Oil drain screw for rear axle differential	Nm	50
BA35.31-P-1005-02A	Breather, rear axle differential	Nm	30

Nm Rear axle differential gear set

Number	Designation	Model	Model
		124.003/004/007/019/022/023/ 026/027/030/040/042/043/050/ 060/062/079/082/083/090, Model 124.104 /107 as of 01.05.94, Model 124.127/128/129/130/131/133, Model 124.186 as of 01.03.94, except (Code 450) Model 124.188/190/191/193/226/230/ 290/330/333/393	124.020/021/080/081/ 120/125/126/180/ 185/186, with (code 450) as of 01.11.88
BA35.31-P-1001-03C	Retaining bolt, ring gear to differential case	Nm	85

Nm Rear axle differential gear set

Number	Designation	Model	Model	Model
		129.060	170.444/445/ 447/449	201.018/023/024/ 122/126, with (code 450) as of 01.11.88
BA35.31-P-1001-03C	Retaining bolt, ring gear to differential case	Nm	85	85

Nm Rear axle differential gear set

Number	Designation	Model	Model	Model
		201.028/029/ 035/036/128	202.018/078/120/ 121/122/125/182 with (code 450) Model 202.018/020/022/ 120/121/125 with ASD (code 211a)	202.020/022/023/024/ 025/026/028/029/080/ 081/082/083/086/087/ 088/089/128/188, Model 202.085 with autom. 5-speed transmission, Model 202.134/194 except code 450
BA35.31-P-1001-03C	Retaining bolt, ring gear to differential case	Nm	85	85

Nm Rear axle differential gear set

Number	Designation	Model
		208.335/344/ 345/347/348/ 435/444/445/ 447/448
BA35.31-P-1001-03C	Retaining bolt, ring gear to differential case	Nm 85

Nm Rear axle differential gear set

Number	Designation	Model	Model
		210.003/004 with Code 450 Model 210.007 except code 450	210.010/020/ 035/037/048/ 061/062/210/ 235/237/248/ 261/262/610
BA35.31-P-1001-03C	Retaining bolt, ring gear to differential case	Nm 85	85

Nm Ring cylinder

Number	Designation	Model 124	Model 129	Model 201	Model 202
BA35.41-P-1001-01A	Bolt to ring cylinder	Nm 25	25	25	25

Nm Rear axle differential


Number	Designation	Model 124.003/004/007/ 019/022/023/026/027/ 030/040/042/043/050/ 060/062/079/082/083/ 090/127/128/129/13/ 188/190/191/193/2/3 without (code 211) ASD	Model 124.104/107 as of 01.05.94 without (code 211) ASD
BF35.31-P-1001-01B	Filling capacity	Rear axle center assembly	Liters 1.1
	Specifications for Operating Fluids	Sheet	BB00.40-P-0235-00A BB00.40-P-0235-07A
		Sheet	BB00.40-P-0235-07A -

Nm Rear axle differential

Number	Designation	Model 124.020/021/080/ 081/120/125/126/180/ 185/186 with (code 211) ASD	Model 124.020/021/080/ 081/120/125/126/180/ 185/186, without (code 211) ASD, with (code 450) taxi version as of 01.11.88		
BF35.31-P-1001-01B	Filling capacity	Rear axle center assembly	Liters	1.1	1.1
		Specifications for Operating Fluids	Sheet	BB00.40-P-0235-07A	BB00.40-P-0235-00A
			Sheet	-	BB00.40-P-0235-07A

 Rear axle differential


Number	Designation	Model 124.186 as of 01.03.94, without (code 211) ASD, except (code 450) taxi version		
BF35.31-P-1001-01B	Filling capacity	Rear axle center assembly	Liters	1.1
		Specifications for Operating Fluids	Sheet	BB00.40-P-0235-00A
			Sheet	BB00.40-P-0235-07A

 Rear axle differential


Number	Designation	Model 129.060 without (Code 211) ASD	Model 129.060 with (Code 211) ASD		
BF35.31-P-1001-01C	Filling capacity	Rear axle center assembly	Liters	1.1	1.1
		Specifications for Operating Fluids	Sheet	BB00.40-P-0235-00A	-
			Sheet	BB00.40-P-0235-07A	BB00.40-P-0235-07A

 Rear axle differential

Number	Designation	Model 202.018/020/ 022/120/121/125, with (code 211) ASD	Model 202.018/078/ 120/121/122/ 125/182, without (code 211) ASD, with (code 450) taxi version	Model 202.020/022/ 023/024/025/ 026/028/029/ 080/081/082/ 083/086/087/ 088/089/128/ 188 without (code 211) ASD, model 202.085 with automatic 5-speed transmission, model 202.134/194 except (code 450) taxi version		
BF35.31-P-1001-01D	Filling capacity	Rear axle center assembly	Liters	1.1	1.1	1.1
		Specifications for Operating Fluids	Sheet	-	BB00.40-P-0235-00A	BB00.40-P-0235-00A
			Sheet	BB00.40-P-0235-07A	BB00.40-P-0235-07A	BB00.40-P-0235-07A

 Rear axle differential

Number	Designation	Model 210.003/004 with code 450, 210.007 except code 450	Model 210.010/020/ 035/037/048/061 /062/210/235/ 237/248/261/262 /610		
BF35.31-P-1001-01E	Filling capacity	Rear axle center assembly	Liters	1.1	1.1
		Specifications for Operating Fluids	Sheet	BB00.40-P-0235-07A	BB00.40-P-0235-07A

 Rear axle differential

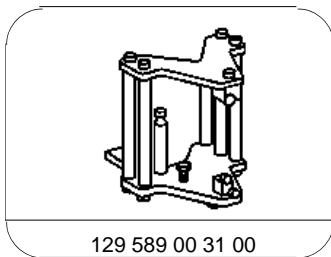
Number	Designation	Model 170.444/445/447 / 449		
BF35.31-P-1001-01F	Filling capacity	Rear axle center assembly	Liters	1.1
		Specifications for Operating Fluids	Sheet	BB00.40-P-0235-07A

 Rear axle differential

Number	Designation	Model 201.018/023/ 024/028/029/ 035/ 036/122/126/128, with (code 211) ASD	Model 201.018/023/ 024/122/126, without (code 211) ASD, with (code 450) taxi version as of 01.11.88	Model 201.028/029/ 035/036/128 without (code 211) ASD		
BF35.31-P-1001-01G	Filling capacity	Rear axle center assembly	Liters	1.1	1.1	1.1
	Specifications for Operating Fluids		Sheet	-	BB00.40-P-0235-00A	BB00.40-P-0235-00A
			Sheet	BB00.40-P-0235-07A	-	-

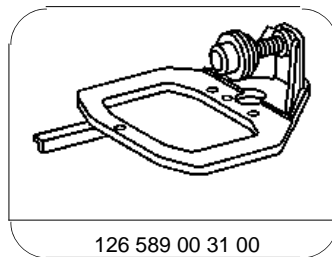
Rear axle differential

Number	Designation	Model 208.335/344/345 / 347/348/435/444 /445/447/448		
BF35.31-P-1001-01H	Filling capacity	Rear axle center assembly	Liters	1.1
	Specifications for Operating Fluids		Sheet	BB00.40-P-0235-07A



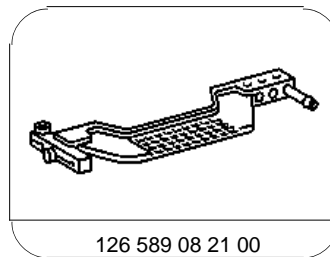
129 589 00 31 00

Assembly stand



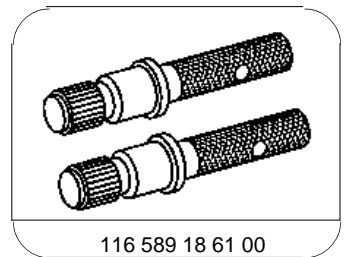
126 589 00 31 00

Spreader



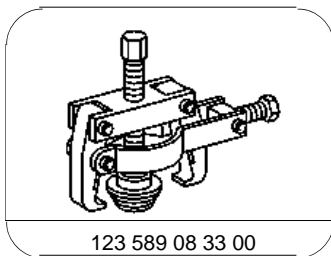
126 589 08 21 00

Contact arm



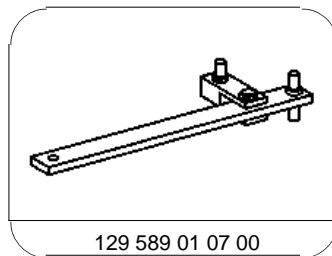
116 589 18 61 00

Spring compressor



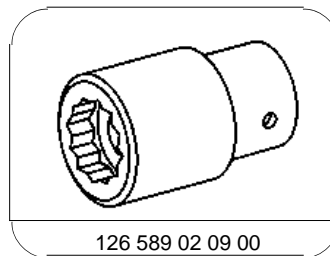
123 589 08 33 00

Puller



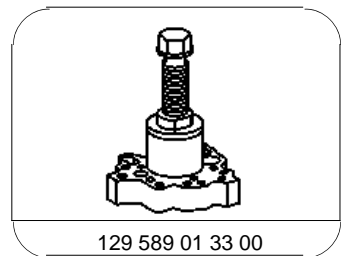
129 589 01 07 00

Pin wrench



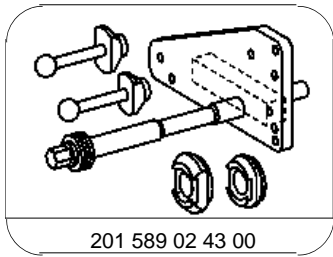
126 589 02 09 00

Wrench socket



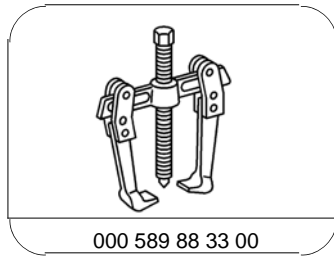
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Puller



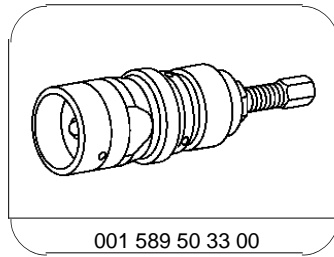
201 589 02 43 00

Removal and installation tool



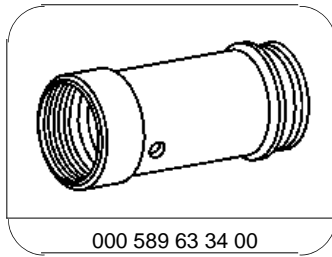
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Two-armed puller



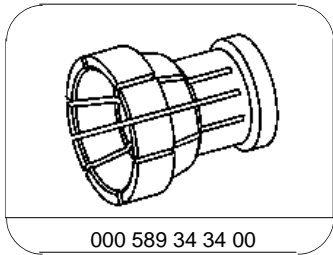
001 589 50 33 00

Puller



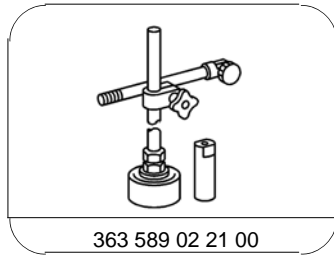
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Extension



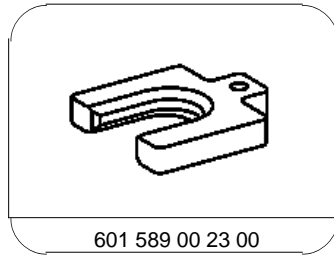
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Chuck



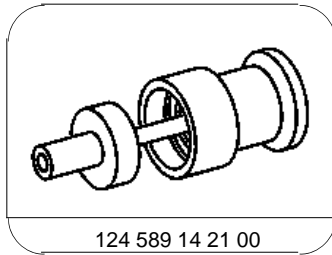
363 589 02 21 00

Dial indicator holder



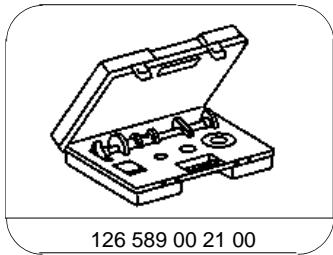
601 589 00 23 00

Measuring plate



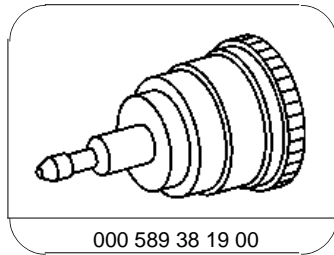
124 589 14 21 00

Measuring device



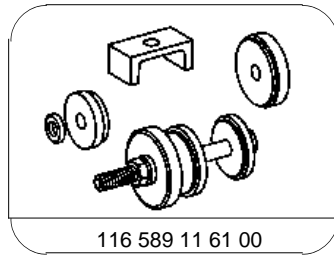
126 589 00 21 00

Measuring device



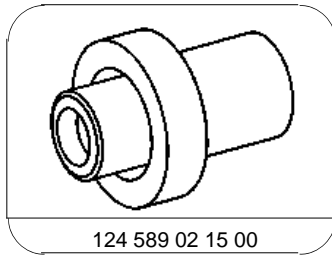
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Dial indicator



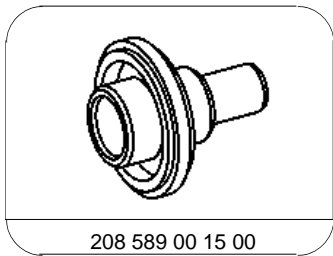
116 589 11 61 00

Installer



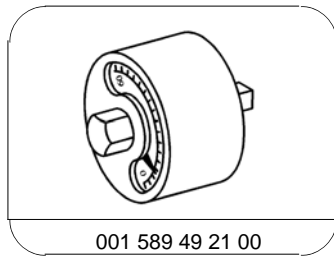
124 589 02 15 00

Drift



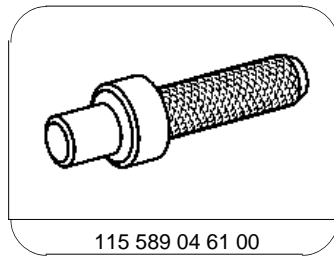
208 589 00 15 00

Drift



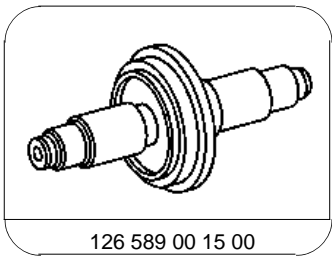
001 589 49 21 00

Torque meter



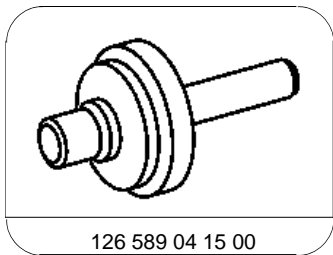
115 589 04 61 00

Spring compressor



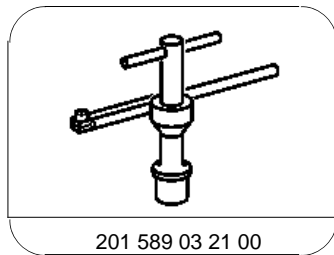
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Drift



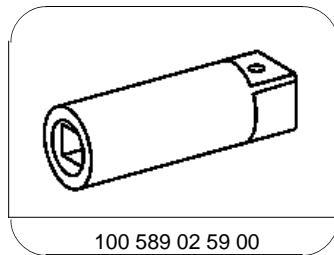
126 589 04 15 00

Drift



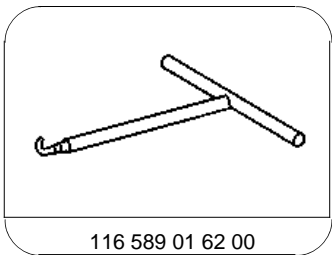
201 589 03 21 00

Tooth backlash gauge



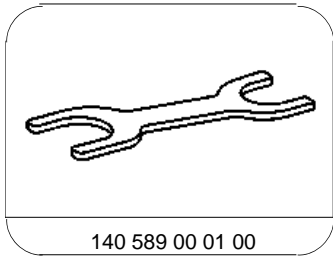
100 589 02 59 00

Connecting piece



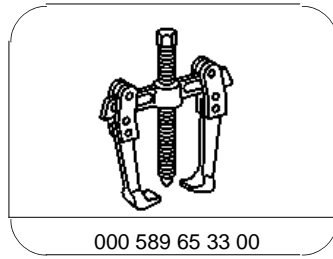
116 589 01 62 00

Removal and installation tool



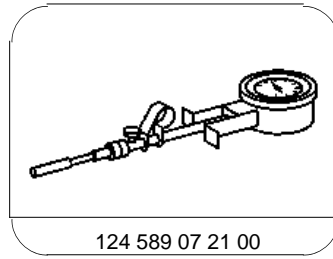
140 589 00 01 00

Open end wrench



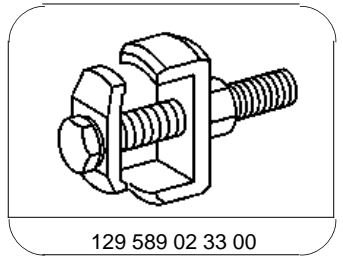
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Puller



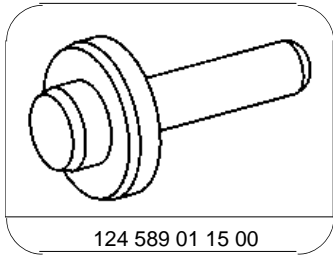
124 589 07 21 00

Remote thermometer



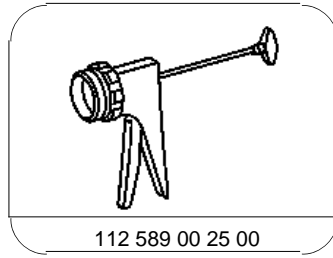
129 589 02 33 00

Extraction tool



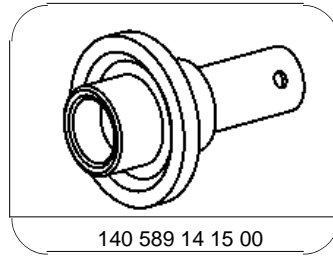
124 589 01 15 00

Drift



112 589 00 25 00

Squeeze gun



140 589 14 15 00

Drift

Repair materials

Number	Designation	Order number
BR00.45-Z-1061-01A	Sealant, Omnifit 100H (50 g)	A 002 989 23 71
BR00.45-Z-1010-01A	Sealing compound, Hylomar universal sealant, 80 ml	A 001 989 25 20
BR00.45-Z-1013-01A	Loctite sealant 5970	A 003 989 98 20
BR00.45-Z-1046-04A	Cleaning spray, Loctite 7063 (150ml)	A 001 986 71 71 10