



A1	AR35.31-P-0550C	Dismantling and assembling rear axle center assembly, adjusting gear assembly	13.2.96
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Rear axle center assembly 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, 170.445 /447,
201.028 /029 /035 /036 /128, 202.020 /022 /023 /024 /025 /026 /028 /029 /080 /082 /083 /086 /089 /128 /188,
208.335 /345 /347 /435 /445 /447, 210.007 /010 /020 /035 /037 /061 /210 /235 /237 /261 /610**

Rear axle center assembly dia. 185

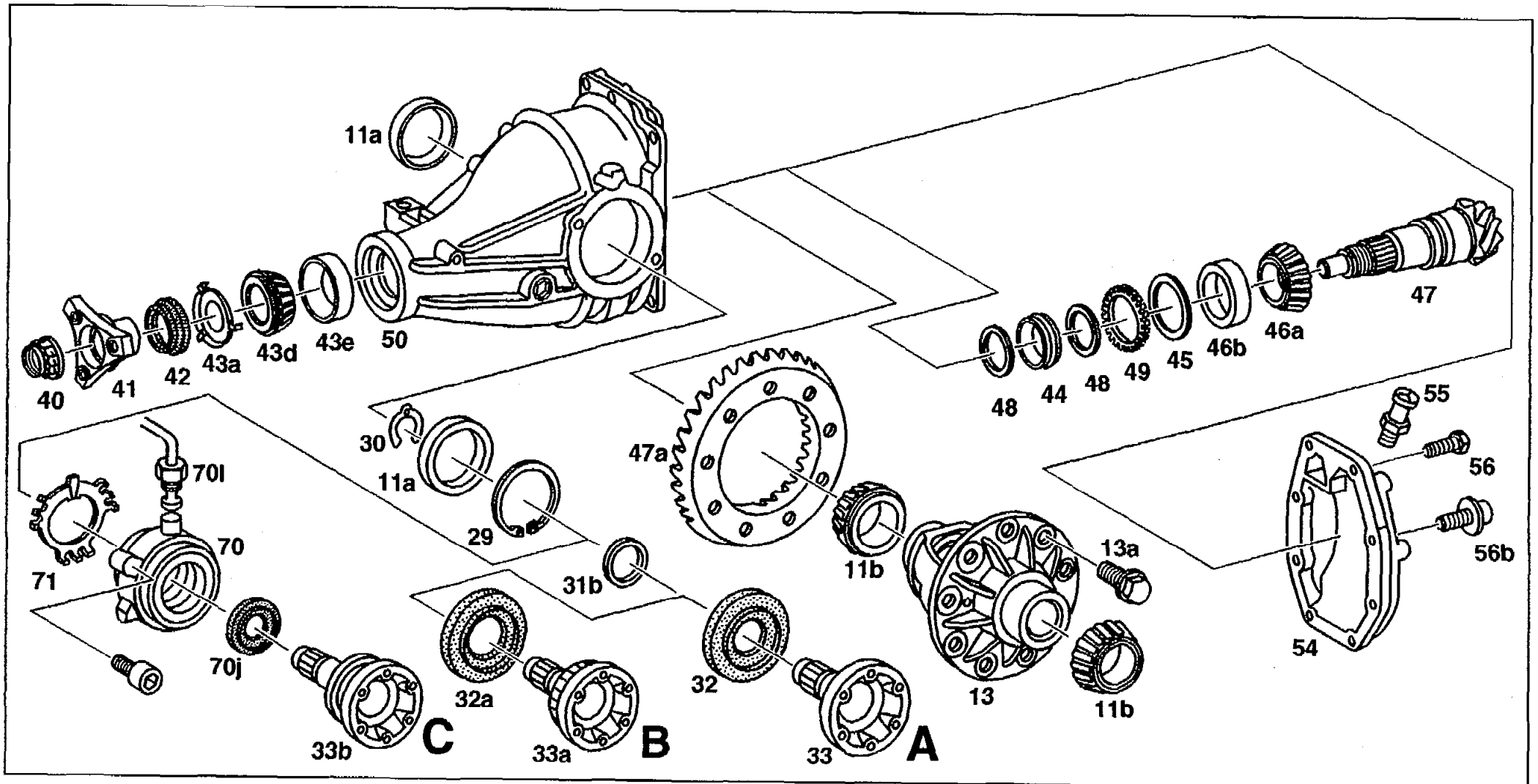
**in MODEL 124.020 /021 /080 /081 /120 /125 /126 /180 /185 /186, 201.018 /023 /024 /122 /126 as of 1.11.88,
202.018 /078 /120 /121 /122 /125 /182, 210.003 /004 with CODE (450) Taxi version**

Rear axle center assembly dia. 185

**in MODEL 124.186 as of 1.3.94,
202.134 /194 except CODE (450) Taxi version**

Rear axle center assembly dia. 185 in MODEL 202.018 /120 /121 /125 with CODE (211a) Rear axle with automatic locking differential (ASD)

Rear axle center assembly dia. 185 in MODEL 202.085 with TRANSMISSION 722





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

















Modification notes

14.8.97	Crown wheels/pinions ground	The matching number is not used on ground crown wheels/pinions, refer to work step 27.1	BT35.31-P-0011-01B N17
1.9.98	Radial seal ring and joint flange on drive pinion modified	as of 01.04.98, refer to work step 35 i The radial seal ring is pressed in using a new drift punch. When installing the new joint flange, it is essential to install the new radial seal ring as well. This is the only way to ensure correct sealing.	BT35.31-P-0012-01A H17
1.9.98	Radial seal ring on side of rear axle housing and connecting flange modified	as of 01.04.98, refer to work step 59 i When installing the new connecting flange, it is essential to install the new radial seal ring as well. This is the only way to ensure correct sealing.	BT35.31-P-0013-01A D17

	Build conditions		
GF	Features, installation survey for rear axle center assemblies		GF35.31-P-1000-01C N15
	Removing		
1	Remove rear axle center assembly (50)	Models 124, 201	RA35-0520













 BT	Speed sensor tapped hole on rear axle housing relocated	Model 129 Models 170, 202, 208 Model 210  Removing: Drain rear axle oil  Oil drain screw Models 124, 129, 201	AR35.31-P-0520C AR35.31-P-0520D AR35.31-P-0520B BA35.31-P-1003-02A BT35.31-P-0004-01A C17
	Dismantling		
2	Clamp rear axle center assembly in assembling trestle		AR35.31-P-0540-06B D8
3	Detach end cover (54)		
4	Pull off locking rings (30) of both connecting flanges (33 or 33a, 33b)		AR35.31-P-0540-01A G8
 BT	Pull out connecting flanges (33 or 33a, 33b) Radial seal ring on side of rear axle housing and connecting flange modified	As of 01.04.98, vehicles without ASD/ASR	BT35.31-P-0013-01A D17 BT35.31-P-0013-01A D17
6	Press off left and right radial seal ring (32, 32a, 70j)	 Vehicles with ASD Vehicles with ASR Vehicles without ASD/ASR	AR35.31-P-0540-05G H8 AR35.31-P-0540-05H K8 AR35.31-P-0540-05F O8











 BT	Radial seal ring on side of rear axle housing and connecting flange modified	as of 01.04.98, vehicles without ASD/ASR	BT35.31-P-0013-01A	D17
7.1	Detach hydraulic line (70l)	Vehicles with ASD	AR35.41-P-0545-01C	A9
 BT	Routing of hydraulic line and ASD ring cylinder modified	as of 07/89	BT35.41-P-0002-01A	G17
8.1	Detach ring cylinder (70)	Vehicles with ASD	AR35.41-P-0545-02C	B9
9.1	Remove oil baffle (71)	Vehicles with ASD		
10	Remove right locking ring (29) from rear axle housing using spreader	 i Mark locking ring	AR35.31-P-0550-36C	D9
11	Take left locking ring (29) out of rear axle housing	 i Mark locking ring	WH58.30-Z-1011-02A	
12	Remove both tapered roller bearing outer races (11a) from rear axle housing	 i Mark tapered roller bearing outer races	AR35.31-P-0550-02C	K9
13	Remove differential gear (13) from rear axle housing		AR35.31-P-0550-03B	L9
14	Pull both tapered roller bearing inner races (11b) off differential gear (13)	 i Mark tapered roller bearing outer races	AR35.31-P-0550-04C	M9
15	Loosen and detach locking bolts (13a) from crown wheel (47a)	i Mark position of crown wheel relative to differential gear		
16	Carefully press crown wheel (47a) off differential gear (13)			



17	Loosen and unscrew twelve-point collared nut (40) on joint flange (41)		AR35.31-P-0550-35C	N9
18	Pull off joint flange (41)	i If necessary, mark joint flange relative to drive pinion	AR35.31-P-0550-06B	O9
BT	Radial seal ring and joint flange on drive pinion modified	as of 01.04.98	BT35.31-P-0012-01A	H17
19	Press drive pinion (47) out of rear axle housing		AR35.31-P-0550-07A	P9
20	Press radial seal ring (42) out of rear axle housing	Use a suitable screwdriver	AR35.31-P-0550-08B	A10
BT	Radial seal ring and joint flange on drive pinion modified	as of 01.04.98	BT35.31-P-0012-01A	H17
21	Remove tapered roller bearing inner race (43d) with thrust washer (43a)			
BT	Integrated thrust washer on tapered roller bearing inner race.	as of 03/94	BT35.31-P-9402-01A	M17
22	Remove tapered roller bearing outer races (46b, 43e) and shim (45) from rear axle housing		AR35.31-P-0550-09C	B10
23	Remove spacer sleeve (44) with thrust washers (48) from drive pinion			
24.1	Pull ABS gear wheel (49) off drive pinion (47)	Vehicles with ABS, except vehicles with ETS, ASR, ESP	AR35.31-P-0550-30B	C10

25	Pull tapered roller bearing inner race (46a) off drive pinion (47)		AR35.31-P-0550-10C	D10
	Checking			
26	Check all parts for re-usability and replace if necessary	 If the contact surface of the connecting and joint flange has been severely scored by the radial seal ring, the flanges are to be replaced.		
27.1	Check drive pinion (47) and crown wheel (47a) for matching number	Only the lapped gear assembly up to approx. 06/95 is provided with a matching number.  Each lapped gear assembly is assessed for the best possible quiet operation and marked with a serial matching number which is written on both parts.	AR35.31-P-0550-11A	E10
 BT	Crown wheels/pinions ground	Phased in as of 06/95	BT35.31-P-0011-01B	N17
 BT	Crown wheels/pinions ground	Model 201.028/029  	BT35.31-P-0011-01A	O17
	Assembling, adjusting gear assembly			
28	Press tapered roller bearing inner race (46a) onto drive pinion (47)		AR35.31-P-0550-12C	F10
 WF	Press-on sleeve for tapered roller bearing inner race		WF58.50-P-3531-03B	H18
29.1	Press ABS gear wheel (49) onto drive pinion (47)	Vehicles with ABS, except vehicles with ETS, ASR, ESP	AR35.31-P-0550-31B	G10



 WF  GF	Press-on sleeve for ABS gear wheel	Number of teeth on ABS gear wheel: ↓ Features, installation survey for rear axle center assemblies	WF58.50-P-3531-04B J18 GF35.31-P-1000-01C N15
30	Calculate shim (45) and insert in the rear axle housing	  Use data sheet: ↓ Data sheet, gear assembly adjustment of rear axle Order no. B20.800.98.133.00C	AR35.31-P-0550-13C H10
31	Pull tapered roller bearing outer races (43e, 46b) into rear axle housing		AR35.31-P-0550-14C O10
32	Mount spacer sleeve (44) with thrust washers (48) on both sides on the drive pinion	 Always replace spacer sleeve and thrust washers	AR35.31-P-0550-26B P10
33	Install drive pinion (47) in the rear axle housing (50)	  Support drive pinion with removal and installation device	AR35.31-P-0550-15B A11
34.1  BT	Clip thrust washer (43a) onto tapered roller bearing inner race (43d) Integrated thrust washer on tapered roller bearing inner race	Rear axle center assemblies up to 02/94	AR35.31-P-0550-37C B11 BT35.31-P-9402-01A M17
35	Insert tapered roller bearing inner race (43d) on drive pinion and press in together with radial seal ring (42)	 Replace radial seal ring and smear sealing lip with Universal hypoid gear oil: ↓	AR35.31-P-0550-16C C11










BT	Radial seal ring and joint flange on drive pinion modified	Universal hypoid gear oils as of 01.04.98	BB00.40-P-0235-07A BT35.31-P-0012-01A H17
36 BT	Slide joint flange (41) onto drive pinion Radial seal ring and joint flange on drive pinion modified	Observe any marking applied. Smear contact surface for radial seal ring with Universal hypoid gear oil: ↓ Universal hypoid gear oils As of 01.04.98	BB00.40-P-0235-07A BT35.31-P-0012-01A H17
BT	Imbalance at drive pinion joint flange reduced	Models 124, 129, 201	BT35.31-P-0007-01A P17
37	Screw on twelve-point collared nut (40)	Replace twelve-point collared nut	126 589 02 09 00
38	Adjust friction torque of drive pinion bearing		AR35.31-P-0550-17C E11
39	Check adjustment dimension of drive pinion		AR35.31-P-0550-18C L11
40 WF	Lock twelve-point collared nut (40) on joint flange Caulker for locking collared nut on joint flange		AR35.31-P-0530-01B P11 WF58.50-P-3531-01A K18
41.1	Dismantle and assemble differential gear (13)	without ASD	AR35.31-P-0560A H3



41.2	Dismantle and assemble ASD differential gear (13)	with ASD	AR35.41-P-0560C	P4
42	Mount crown wheel (47a) on differential gear	Observe marking on crown wheel and differential gear	AR35.31-P-0550-19A	A12
BT	Tightening torque of crown wheel bolts reduced	Models 124, 129, 201 as of 01.02.87	BT35.31-P-0005-01A	A18
43	Press tapered roller bearing inner races (11b) onto differential gear		AR35.31-P-0550-20C	G12
44	Insert differential gear (13) in rear axle housing	Fix differential gear with drift punches	AR35.31-P-0550-03B	L9
45	Insert left tapered roller bearing outer race (11a) in rear axle housing		AR35.31-P-0550-38C	H12
46	Insert on left locking ring (29)	Install the locking ring removed and marked previously in order to achieve a basic preload of the rear axle housing.	AR35.31-P-0550-27C	J12
47	Take drift punch on right out of differential gear			
48	Insert right tapered roller bearing outer race (11a) in rear axle housing		126 589 00 15 00	
49	Preload (spread) rear axle housing with spreading device	Ensure that the "0" setting of the dial gauge with contact arm is retained	AR35.31-P-0550-23C	L12














50	Insert right locking ring (29)	 i Install the locking ring removed and marked previously in order to achieve a basic preload of the rear axle housing.	AR35.31-P-0550-22C	A13
51	Unclamp rear axle housing			
52	Measure spread dimension (expansion) of rear axle housing		AR35.31-P-0550-24C	B13
53	Detach spreader from rear axle housing			
54	Measure gear backlash between drive pinion and crown wheel and correct if necessary	  The adjustment of the tapered roller bearings or gear assembly is in order when the spreading dimension (expansion) of rear axle housing and the gear backlash are in the range of specified values.	AR35.31-P-0550-25C	E13
55	Check locking ring (29) is seated correctly		AR35.31-P-0550-32C	H13
56.1	Insert oil baffle (71)	Vehicles with ASD  Ensure correct seating	AR35.41-P-0545-03C	J13
57.1	Attach ring cylinder (70)	Vehicles with ASD Smear periphery of O-ring in ring cylinder with hydraulic fluid: ↓ Hydraulic fluids (specification 343.0)	AR35.41-P-0545-02C BB00.40-P-0343-00A	B9
58.1	Attach hydraulic line (70l)	Vehicles with ASD	AR35.41-P-0545-01C	A9
 BT	Routing of hydraulic line and ASD ring cylinder modified		BT35.41-P-0002-01A	G17



<p>59</p> <p> BT</p>	<p>Press radial seal rings (32 or 32a, 70j) into rear axle housing (50)</p> <p>Radial seal ring on side of rear axle housing and connecting flange modified</p>	<p> Replace radial seal ring and smear sealing lip with Universal hypoid gear oil:</p> <p>↓</p> <p>Universal hypoid gear oils</p> <p>Vehicles with ASD</p> <p>Vehicles with ASR</p> <p>Vehicles without ASD/ASR</p> <p>as of 01.04.98, vehicles without ASD/ASR</p>	<p>BB00.40-P-0235-07A</p> <p>AR35.31-P-0540-05G H8</p> <p>AR35.31-P-0540-05H K8</p> <p>AR35.31-P-0540-05F O8</p> <p>BT35.31-P-0013-01A D17</p>
<p>60.1</p>	<p>Slide spacer rings (31b) onto connecting flanges (33 or 33a)</p>	<p>Vehicles without ASD</p>	
<p>61</p> <p> BT</p> <p> BT</p>	<p>Insert connecting flanges (33 or 33a,33b) in differential gear (13)</p> <p>Connecting flange with centering</p> <p>Radial seal ring on side of rear axle housing and connecting flange modified</p>	<p>Models 124, 129, 201</p> <p>as of 01.04.98, vehicles without ASD/ASR</p>	<p>BT35.31-P-0009-01A B18</p> <p>BT35.31-P-0013-01A D17</p>
<p>62</p>	<p>Mount locking rings (30) on connecting flanges</p>	<p> Replace locking ring</p>	<p>AR35.31-P-0540-01A G8</p>
<p>63.1</p>	<p>Check and adjust axial play of connecting flange</p>	<p>Vehicles without ASD</p> <p> It is not necessary to adjust the axial play on vehicles with ASD</p>	<p>AR35.31-P-0540-02E K13</p>



64	Mount end cover (54)	 Clean sealing surface and smear with sealing agent	AR35.31-P-0550-28C L13
65	Replace rear axle breather (55) on end cover (54)		BA35.31-P-1005-02A
66	Detach rear axle center assembly from assembling trestle		
	Installing		
67	Install rear axle center assembly (50)	Models 124, 201 Model 129 Models 170, 202, 208 Model 210	RA35-0520 AR35.31-P-0520C AR35.31-P-0520D AR35.31-P-0520B
68	Pour in rear axle oil	 124  129  170  201  202  208  210  Oil filler screw	BF35.31-P-1001-01B BF35.31-P-1001-01C BF35.31-P-1001-01F BF35.31-P-1001-01G BF35.31-P-1001-01D BF35.31-P-1001-01H BF35.31-P-1001-01E BA35.31-P-1002-02A
69.1	Bleed ASD hydraulic system	Vehicles with ASD: ↓	

		Models 124, 201	RA35-0519	
		Models 129, 202	AR35.41-P-0519C	C4

Test values of friction torque of rear axle center assembly

Number	Designation		Models 124.003/004/ 007/019/022/023/026/ 027/030/040/042/043/ 050/060/062/079/082/ 083/090 Models 124.104/107 as of 01.05.94 Models 124.127/128/ 129/130/131/133 Model 124.186 as of 01.03.94, except (code 450) taxi version Models 124.188/190 191/193/226/230/290 330/333/393	Models 124.020/121/ 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 of friction torque of rear axle center assembly**

Number	Designation		Models 170.445/447	Models 201.018/023/ 024/122/126 with (code 450) taxi version as of 01.11.88	Models 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 of friction torque of rear axle center assembly

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

**Test values of friction torque of rear axle center assembly**

Number	Designation		Models 208.335/345/347/ 435/445/447	Models 210.007/010/020/ 035/037/061/210 /235/237/261/61 0	Models 210.003/004 with (code 450) taxi version
BE35.31-P-1001-02C	Friction torque of drive pinion bearing (new tapered roller bearings)	Ncm	125-150	125-150	125-150

Test values of gear assembly of rear axle center assembly

Number	Designation		Model 124	Model 129	Model 170
BE35.31-P-1001-03A	Permissible deviation from specified adjustment dimension on end face of drive pinion	mm	-0.02/ +0.01	-0.02/ +0.01	-0.02/ +0.01
BE35.31-P-1002-03A	Gear backlash between drive pinion and crown wheel	mm	0.08-0.14	0.08-0.14	0.08-0.14
BE35.31-P-1003-03A	Temperature of crown wheel for installation	°C	75-85	75-85	75-85

**Test values of gear assembly of rear axle center assembly**

Number	Designation	Model 201	Model 202
BE35.31-P-1001-03A	Permissible deviation from specified adjustment dimension on end face of drive pinion mm	-0.02/ +0.01	-0.02/ +0.01
BE35.31-P-1002-03A	Gear backlash between drive pinion and crown wheel mm	0.08-0.14	0.08-0.14
BE35.31-P-1003-03A	Temperature of crown wheel for installation °C	75-85	75-85

Test values of gear assembly of rear axle center assembly

Number	Designation	Model 208	Model 210
BE35.31-P-1001-03A	Permissible deviation from specified adjustment dimension on end face of drive pinion mm	-0.02/ +0.01	-0.02/ +0.01
BE35.31-P-1002-03A	Gear backlash between drive pinion and crown wheel mm	0.08-0.14	0.08-0.14
BE35.31-P-1003-03A	Temperature of crown wheel for installation °C	75-85	75-85



Test values of rear axle housing expansion

Number	Designation	Models 124.003/004/007/019/ 022/023/026/027/030/040/ 042/043/050/060/062/079/ 082/083/090 Models 124.104/107 as of 01.05.94 Models 124.127/128/129/130/ 131/133 Model 124.186 as of 01.03.94, except (code 450) taxi version Models 124.188/190/191/193/ 226/230/290/330/333/393	Models 124.020/021/ 080/081/120/125/126/ 180/185/186, with (code 450) taxi version as of 01.11.88
BE35.31-P-1001-04C	Rear axle housing expansion (expanded dimension) for removing locking ring	mm 0.2	0.2
BE35.31-P-1002-04C	Rear axle housing expansion (expanded dimension) for installing locking ring	mm 0.3	0.3
BE35.31-P-1003-04C	Set value of rear axle housing expansion (expanded dimension)	mm 0.11-0.17	0.11-0.17

**Test values of rear axle housing expansion**

Number	Designation	Model 129.060	Models 170.445/ 447	Models 201.018/023/ 024/122/126, with (code 450) taxi version as of 01.11.88
BE35.31-P-1001-04C	Rear axle housing expansion (expanded dimension) for removing locking ring	mm 0.2	0.2	0.2
BE35.31-P-1002-04C	Rear axle housing expansion (expanded dimension) for installing locking ring	mm 0.3	0.3	0.3
BE35.31-P-1003-04C	Set value of rear axle housing expansion (expanded dimension)	mm 0.11-0.17	0.11-0.17	0.11-0.17

Test values of rear axle housing expansion

Number	Designation	Models 201.028/ 029/035/036/128	Models 202.018/ 078/120/121/ 122/125/182 with (code 450) taxi version, models 202.018/020/ 022/120/121/125 with (code 211) ASD	Models 202.020/022/ 023/024/025/026/028/ 029/080/082/083/086/ 089/128/188, model 202.085 with automatic transmission, models 202.134/194 except (code 450) taxi version
BE35.31-P-1001-04C	Rear axle housing expansion (expanded dimension) for removing locking ring	mm 0.2	0.2	0.2

**Test values of rear axle housing expansion**

Number	Designation	Models 201.028/ 029/035/036/128	Models 202.018/ 078/120/121/ 122/125/182 with (code 450) taxi version, models 202.018/020/ 022/120/121/125 with (code 211) ASD	Models 202.020/022/ 023/024/025/026/028/ 029/080/082/083/086/ 089/128/188, model 202.085 with automatic transmission, models 202.134/194 except (code 450) taxi version
BE35.31-P-1002-04C	Rear axle housing expansion (expanded dimension) for installing locking ring	mm 0.3	0.3	0.3
BE35.31-P-1003-04C	Set value of rear axle housing expansion (expanded dimension)	mm 0.11–0.17	0.11–0.17	0.11–0.17

**Test values of rear axle housing expansion**

Number	Designation		Models 208.335/ 345/347/435/ 445/447	Models 210.007/ 010/020/035/ 037/061/210/ 235/237/261/610	Models 210.003/ 004 with (code 450) taxi version
BE35.31-P-1001-04C	Rear axle housing expansion (expanded dimension) for removing locking ring	mm	0.2	0.2	0.2
BE35.31-P-1002-04C	Rear axle housing expansion (expanded dimension) for installing locking ring	mm	0.3	0.3	0.3
BE35.31-P-1003-04C	Set value of rear axle housing expansion (expanded dimension)	mm	0.11–0.17	0.11–0.17	0.11–0.17

Test values of connecting flange/differential gear housing

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

Test values of connecting flange/differential gear housing

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

**Nm** Rear axle center assembly housing

Number	Designation		Model 124	Model 129	Model 170
BA35.31-P-1001-02A	Collared bolt, end cover to rear axle center assembly	Nm	50	50	50
BA35.31-P-1002-02A	Oil filler screw, rear axle center assembly	Nm	50	50	50
BA35.31-P-1003-02A	Oil drain screw, rear axle center assembly	Nm	50	50	50
BA35.31-P-1005-02A	Rear axle center assembly breather	Nm	25	30	25

Nm Rear axle center assembly housing

Number	Designation		Model 201	Model 202
BA35.31-P-1001-02A	Collared bolt, end cover to rear axle center assembly	Nm	50	50
BA35.31-P-1002-02A	Oil filler screw, rear axle center assembly	Nm	50	50
BA35.31-P-1003-02A	Oil drain screw, rear axle center assembly	Nm	50	50
BA35.31-P-1005-02A	Rear axle center assembly breather	Nm	25	25

Nm Rear axle center assembly housing

Number	Designation		Model 208	Model 210
BA35.31-P-1001-02A	Collared bolt, end cover to rear axle center assembly	Nm	50	50
BA35.31-P-1002-02A	Oil filler screw, rear axle center assembly	Nm	50	50
BA35.31-P-1003-02A	Oil drain screw, rear axle center assembly	Nm	50	50

**Nm** Rear axle center assembly housing

Number	Designation		Model 208	Model 210
BA35.31-P-1005-02A	Rear axle center assembly breather	Nm	25	30

Nm Gear assembly of rear axle center assembly

Number	Designation		Models 124.003/004/007/019/022/ 023/026/027/030/040/042/043/050/0 60/062/079/082/083/090, models 124.104/107 as of 01.05.94, models 124.127/128/129/130/131/ 133, model 124.186 as of 01.03.94, except (code 450) taxi version, models 124.188/190/191/193/226/ 230/290/330/333/393	Models 124.020/121/ 080/081/120/125/126/ 180/185/186, with (code 450) taxi version as of 01.11.88
BA35.31-P-1001-03C	Locking bolt, crown wheel to differential gear housing	Nm	85	85

**Nm** Gear assembly of rear axle center assembly

Number	Designation		Model 129.060	Models 170.445/ 447	Models 201.018/023/ 024/122/126, with (code 450) taxi version as of 01.11.88
BA35.31-P-1001-03C	Locking bolt, crown wheel to differential gear housing	Nm	85	85	85

Nm Gear assembly of rear axle center assembly

Number	Designation		Models 201.028/ 029/035/036/128	Models 202.018/078/ 120/121/122/125/182 with (code 450) taxi version, models 202.018/020/022/120/ 121/125 with ASD (code 211a)	Models 202.020/022/ 023/024/025/026/028/ 029/080/082/083/086/ 089/128/188model 202.085 with automatic transmission, models 202.134/194 except (code 450) taxi version,
BA35.31-P-1001-03C	Locking bolt, crown wheel to differential gear housing	Nm	85	85	85

**Nm** Gear assembly of rear axle center assembly

Number	Designation		Models 208.335/ 345/347/435/ 445/447	Models 210.003/ 004 with (code 450) taxi version	Models 210.007/ 010/020/035/ 037/061/210/ 235/237/261/610
BA35.31-P-1001-03C	Locking bolt, crown wheel to differential gear housing	Nm	85	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



Rear axle center assembly

Number	Designation			Models 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 Models 124.104/107 as of 01.05.94 without (code 211) ASD	Models 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 with (code 211) ASD Models 124.104/107 as of 01.05.94 with (code 211) ASD
BF35.31-P-1001-01B	Filling quantities	Rear axle center assembly	Liters	1.1	1.1
		Specifications for Service	Sheet	235.0	235.7
		Products	Sheet	235.7	-


 Rear axle center assembly

Number	Designation			Models 124.020/021/ 080/081/120/125/126/ 180/185/186 with (code 211) ASD	Models 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 quantities	Rear axle center assembly	Liters	1.1	1.1
		Specifications for Service	Sheet	235.7	235.0
		Products	Sheet	-	235.7

 Rear axle center assembly

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 quantities	Rear axle center assembly	Liters	1.1
		Specifications for Service	Sheet	235.0
		Products	Sheet	235.7



Rear axle center assembly

Number	Designation			Model 129.060 without (code 211) ASD	Model 129.060 with (code 211) ASD
BF35.31-P-1001-01C	Filling quantities	Rear axle center assembly	Liters	1.1	1.1
		Specifications for Service	Sheet	235.0	-
		Products	Sheet	235.7	235.7


 Rear axle center assembly

Number	Designation			Models 202.020/ 022/023/024/ 025/026/028/ 029/080/082/ 083/086/089/ 128/188 without (code 211) ASD, model 202.085 with automatic transmission, models 202.134/ 194 except (code 450) taxi version	Models 202.018/ 020/022/120/ 121/125 with (code 211) ASD	Models 202.018/ 078/120/121/ 122/125/182, without (code 211) ASD, with (code 450) taxi version
BF35.31-P-1001-01D	Filling quantities	Rear axle center assembly	Liters	1.1	1.1	1.1
		Specifications for Service	Sheet	235.0	-	235.0
		Products	Sheet	235.7	235.7	235.7


 Rear axle center assembly

Number	Designation			Models 210.003/ 004 with (code 450) taxi version	Models 210.007/ 010/020/035/ 037/061/210/ 235/237/261/610
BF35.31-P-1001-01E	Filling quantities	Rear axle center assembly	Liters	1.1	1.1
		Specifications for Service Products	Sheet	235.7	235.7

 Rear axle center assembly

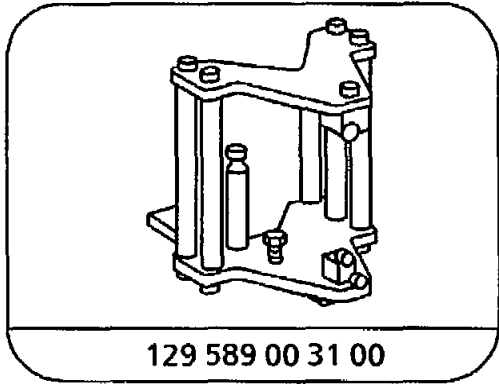
Number	Designation			Models 170.445/ 447
BF35.31-P-1001-01F	Filling quantities	Rear axle center assembly	Liters	1.1
		Specifications for Service Products	Sheet	235.7


 Rear axle center assembly

Number	Designation			Models 201.018/ 023/024/028/ 029/035/036/ 122/126/128, with (code 211) ASD	Models 201.018/ 023/024/122/126, without (code 211) ASD, with (code 450) taxi version as of 01.11.88	Models 201.028/ 029/035/036/128 without (code 211) ASD
BF35.31-P-1001-01G	Filling quantities	Rear axle center assembly	Liters	1.1	1.1	1.1
		Specifications for Service	Sheet	—	235.0	235.0
		Products	Sheet	235.7	—	—

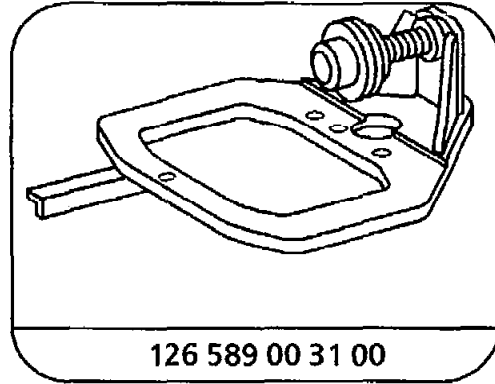
 Rear axle center assembly

Number	Designation			Models 208.335/ 345/347/435/ 445/447
BF35.31-P-1001-01H	Filling quantities	Rear axle center assembly	Liters	1.1
		Specifications for Service Products	Sheet	235.7



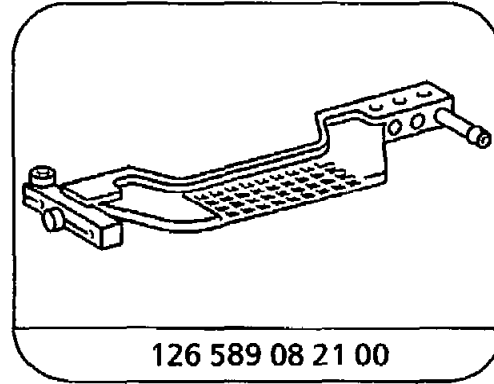
129 589 00 31 00

Assembling trestle



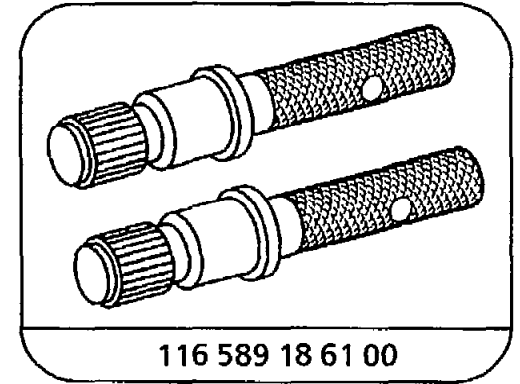
126 589 00 31 00

Spreader



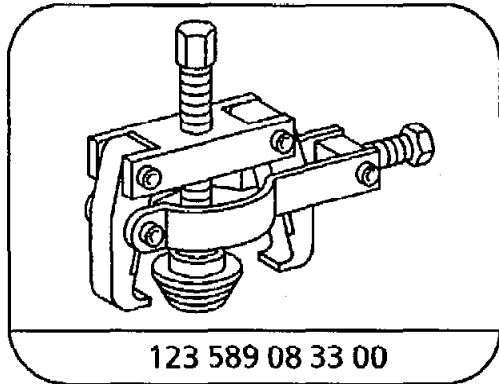
126 589 08 21 00

Contact arm



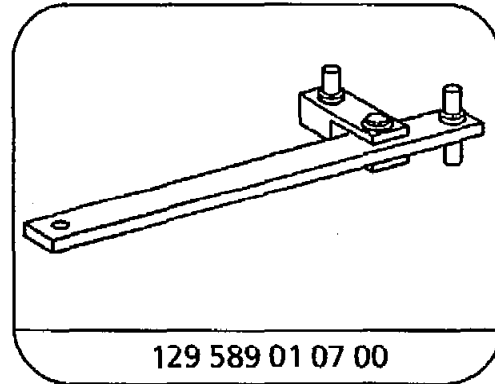
116 589 18 61 00

Assembly mandrel



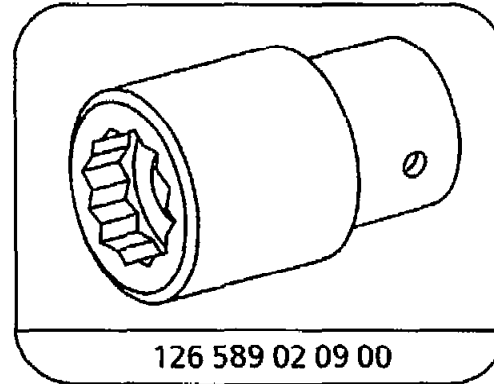
123 589 08 33 00

Puller



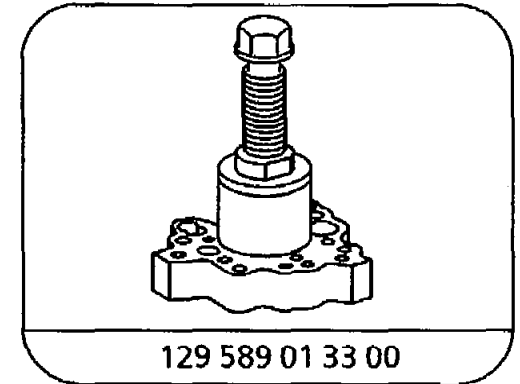
129 589 01 07 00

Allen wrench



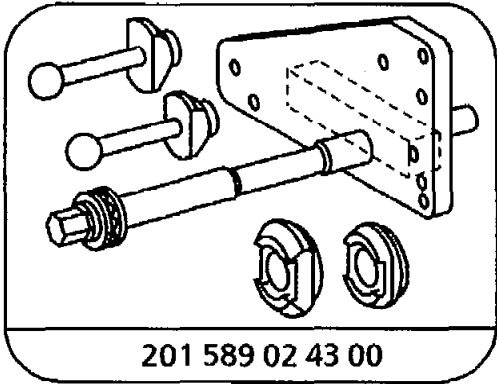
126 589 02 09 00

Wrench socket



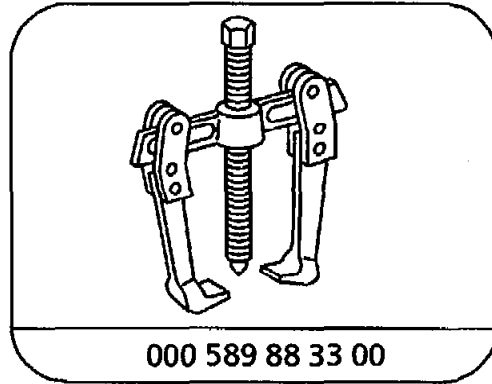
129 589 01 33 00

Puller



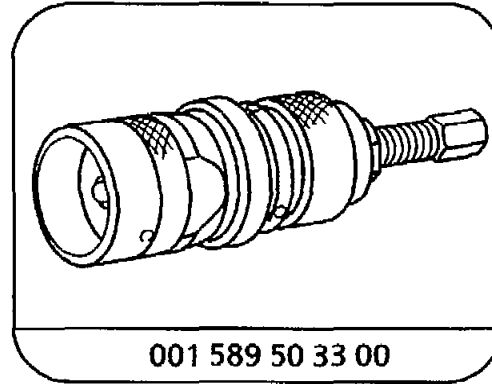
201 589 02 43 00

Removal and installation tool



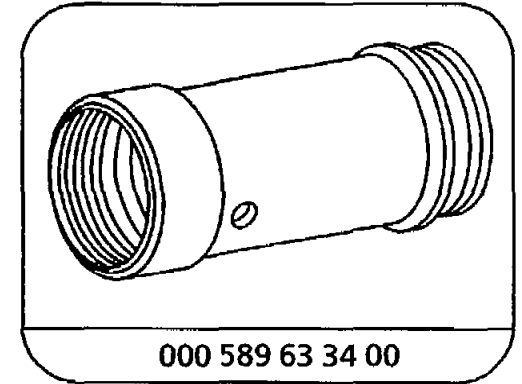
000 589 88 33 00

Two-arm puller



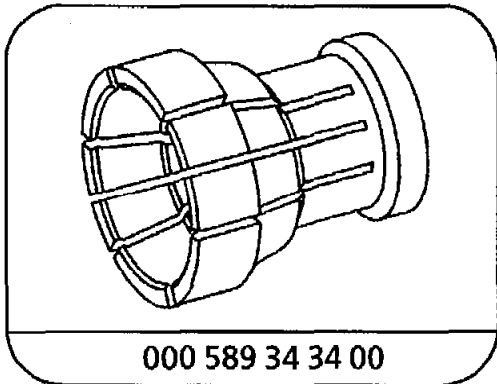
001 589 50 33 00

Puller



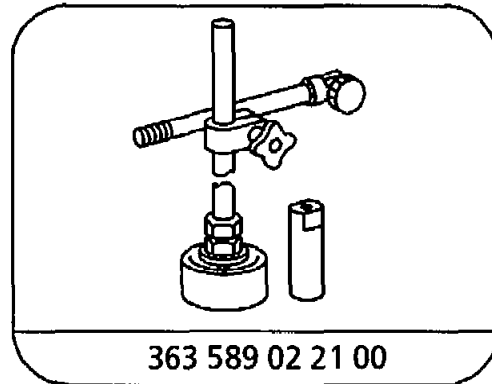
000 589 63 34 00

Extension



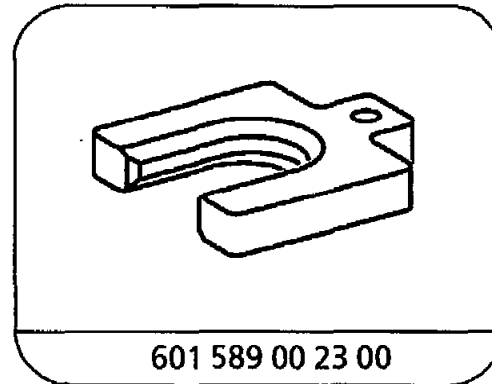
000 589 34 34 00

Clamping pliers



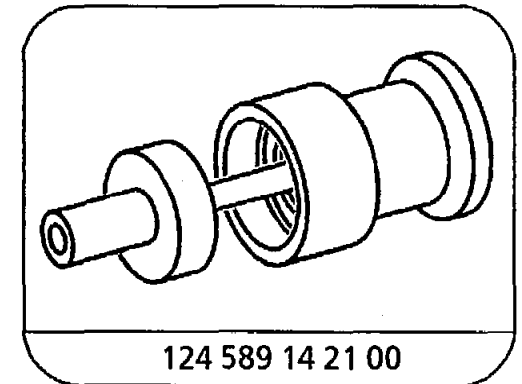
363 589 02 21 00

Gauge stand



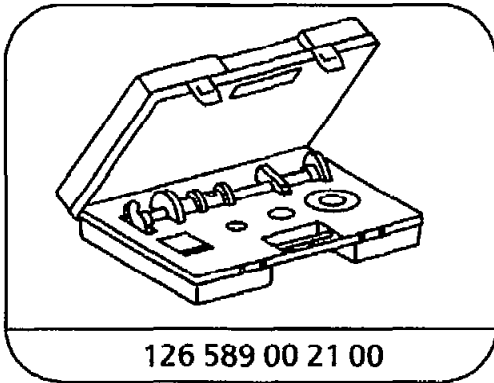
601 589 00 23 00

Measuring plate



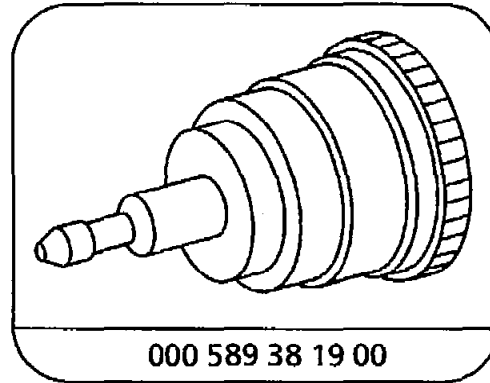
124 589 14 21 00

Measuring device



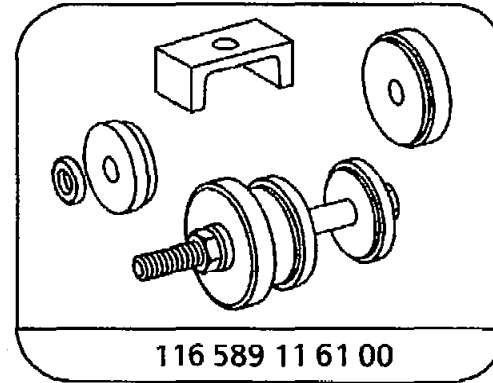
126 589 00 21 00

Measuring device



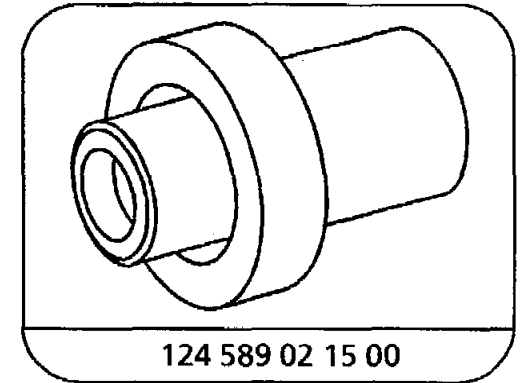
000 589 38 19 00

Dial gauge



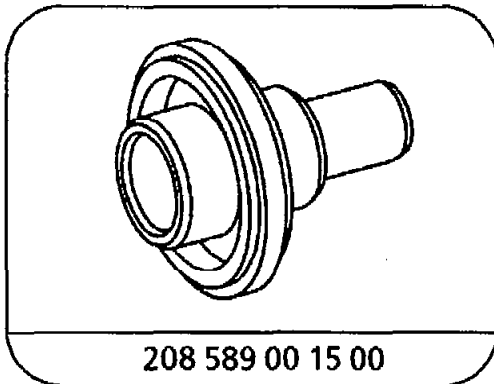
116 589 11 61 00

Pulling-in device



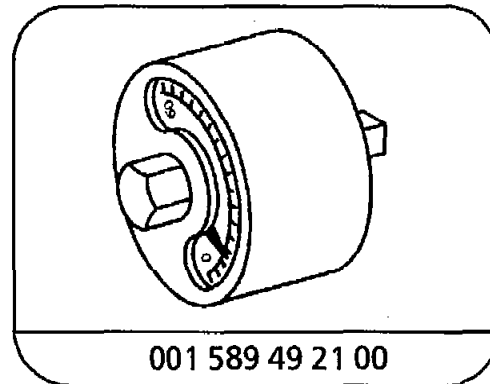
124 589 02 15 00

Drift punch



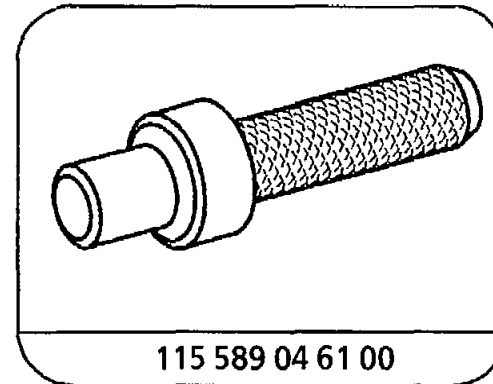
208 589 00 15 00

Drift punch



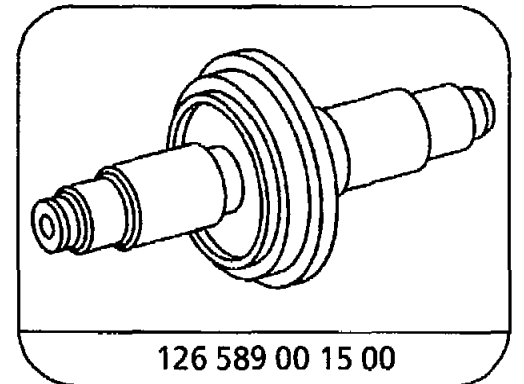
001 589 49 21 00

Torque meter



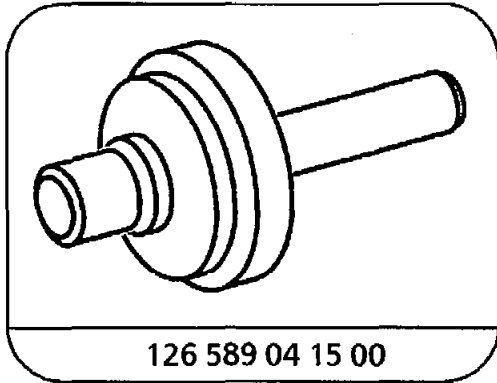
115 589 04 61 00

Assembly mandrel



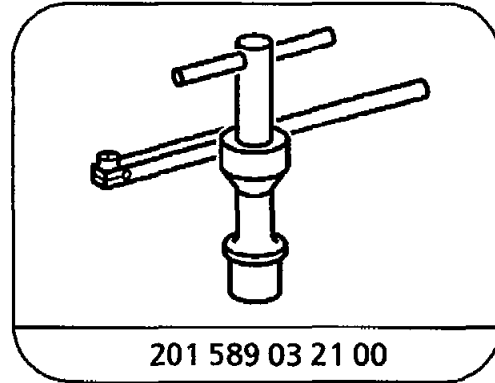
126 589 00 15 00

Drift punch



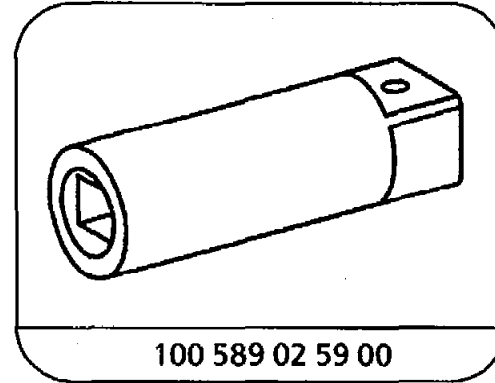
126 589 04 15 00

Drift punch



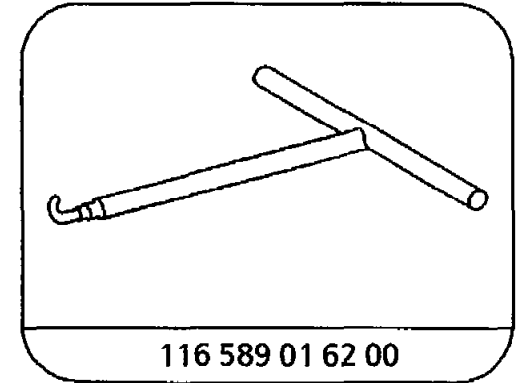
201 589 03 21 00

Gear backlash measuring instrument



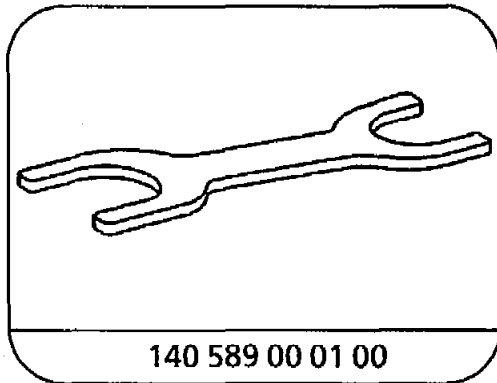
100 589 02 59 00

Connecting piece



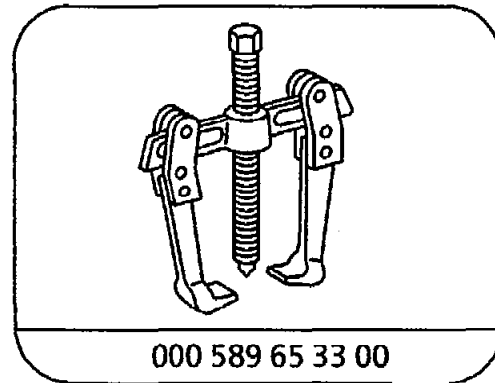
116 589 01 62 00

Removal and installation tool



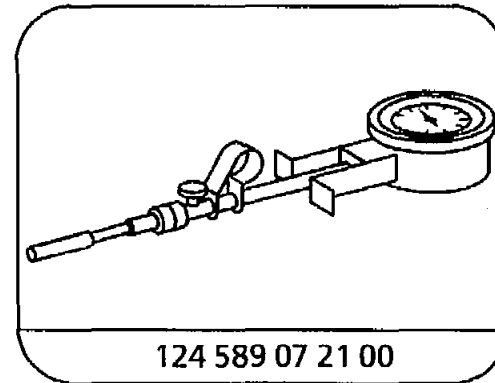
140 589 00 01 00

Open-end wrench



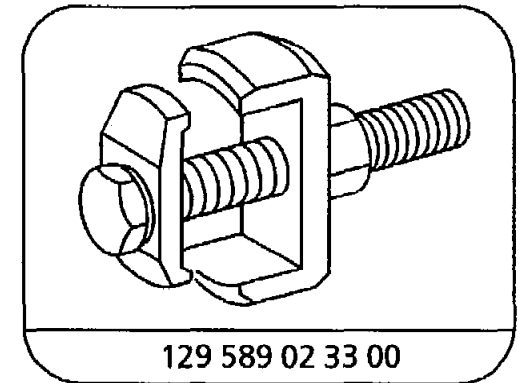
000 589 65 33 00

Puller



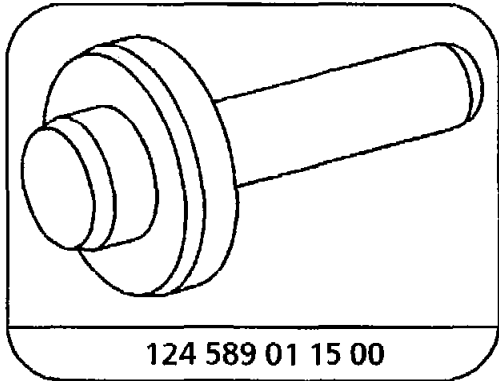
124 589 07 21 00

Telethermometer



129 589 02 33 00

Extractor



Drift punch

Commercially available tools (refer to Workshop equipment manual)

Number	Designation	Company (e.g.)	Order number
WH58.30-Z-1011-02A	Pliers for locking ring, internal (85-165 mm dia.)	Hazet Güldenwerther Bahnhofstraße 25-28 D-42857 Remscheid	1846a-4

Repair product

Number	Designation	Order number
BR00.45-Z-1011-01A	Hylomar sealing agent	001 989 25 20