

Brakes · Wheels · Tires

B

Date introduced	Chassis No.	Unit No.	Modification
<u>1946</u>	059 107		<u>Brake cables</u> Now: with grease nipple Formerly: without nipple
			<u>Tires</u> Now: 500 x 16 Formerly: 450 x 16
<u>1949</u>			
28 Jan. 49	093 342	Fr.a. 101 892 Red.g. 103 430	<u>Brake shoes</u> Now: modified brake shoes and modified suspension
28 Mar. 49	099 506 099 402	Fr.a. 108 027 Red.g. 109 681	<u>Brake shoes</u> Now: surface ground before assembly
Aug. 49	1-0117 469	Fr.a. 125 783 Red.g. 127 652	<u>Brakes</u> Now: stronger down-gearing
Oct. 49	1-0126 157	Fr.a. 134 717 Red.g. 136 136	<u>Brake cables</u> Now: with Mipolam sheathing Formerly: without sheathing
<u>1950</u>			
Mar. 50	1-0155 322		<u>Brakes</u> Now: oil hydraulic brake fitted in a number of cases (type 11 A + 15)
Apr. 50	1-0158 253		<u>Brakes</u> Now: oil hydraulic brake fitted as standard equipment (type 11 A + 15)
13 May 50	1-0164 460		<u>Fluid reservoir for brake fluid</u> Now: with float Formerly: with strainer

Date introduced	Chassis No.	Unit No.	Modification
9 May 50	1-0164 280		<u>Hydraulic brake</u> Now: beam-shaped support head for hand brake rod
20 May 50	1-0167 890		<u>Hydraulic brake</u> Now: master brake cylinder 19.5 mm dia. Formerly: 22.2 mm dia. Now: wheel brake cylinder, rear 19.05 mm dia. Formerly: 15.9 mm dia. Now: operating rod for master brake cylinder elongated, diameter reduced
3 July 50	1-0177 344	Red.g. 191 710	<u>Brake rod, rear</u> Now: with clamp
2 Aug. 50	1-0181 671	Red.g. 196 748	<u>Brake rod, rear</u> Now: Provided with stiffening rib
16 Oct. 50	20-004 801		<u>Back plate, front</u> Now: screws of quality 10 K Formerly: 8 G
2 Aug. 50	20-005 209		<u>Hydraulic brake</u> Now: spacer behind brake shoe adjusting screw Now: brake cylinder, front 19.5 mm dia. Formerly: 22.2 mm dia.
<u>1951</u>			
3 Jan. 51	20-007 729		<u>Hydraulic brake</u> Now: enlarged cover for fluid reservoir Now: modified pipe connections

Date introduced	Chassis No.	Unit No.	Modification
12 Feb. 51	20-010 109		<u>Front axle/back plate</u> Now: reinforced and mounted at steering knuckle by means of 4 bolts Formerly: 3 bolts
6 Apr. 51	1-0244 003	Red.g. 274 520	<u>Hydraulic brake</u> Now: rear wheel back plates interchanged Now: longer brake cables for handbrake
18 May 51	20-012 853		<u>Brake light switch</u> Now: reinforced by beaded edge, improved sealing
13 Sept. 51	1-0284 638	Fr.a. 295 898	<u>Brake shoe bracket</u> Now: spacer behind adjusting screw no longer provided Now: bracket elongated
6 Nov. 51	20-017 398	Red.g. 322 834	
<u>1952</u>			
26 Jan. 52	1-0318 328		<u>Front and rear wheel brake</u> Now: one return spring Formerly: two springs; angle brackets no longer provided
6 Feb. 52	20-021 329		
7 Feb. 52	1-0324 758		<u>Hydraulic brake</u> Now: fluid reservoir without float Formerly: with float
17 Mar. 52	20-022 910		
27 May 52	from 1-0356 995 up to 1-0357 106		<u>Brake shoes</u> Now: not surface-finished. Two reinforcing beads in web Formerly: finished, without beads

Date introduced	Chassis No.	Unit No.	Modification
25 Sept. 52	1-0397 101		<u>Disc wheel</u> Now: maximum radial run-out 1.5 mm, maximum lateral run-out 1.5 mm
1 Oct. 52	1-0397 023	Fr.a. 410 951 Red.g.-000 001 Red.g.-456 614	<u>Tires</u> Now: 5.60 x 15. Rims 4 j x 15 Formerly: 5.00 x 16
			<u>Tire pressure</u> Now: 1.1 kg./sq. cm. front, 1.4 or 1.6 kg./sq. cm. rear
			<u>Wheel brake cylinder, rear</u> Now: 17.5 mm dia. Formerly: 15.9 mm dia.
13 Nov. 52	20-038 475		<u>Throttle control cable</u> Now: slip-over tube in the rear, loop at front end Formerly: without tube, with hook at front end
24 Nov. 52	1-0416 104		<u>Handbrake cables</u> Now: held at axle tubes by rubber ring (for export only)
30 Dec. 52	1-0427 392	Body 366 581	<u>Rear wheel tires</u> Now: improved clearance through 5 mm shorter supports at body
<u>1953</u>			
2 Jan. 53	20-041 712	Fr.a. 042 212 Red.g. 469 390	<u>Handbrake lever</u> Now: lengthened lever

Date introduced	Chassis No.	Unit No.	Modification
5 Mar. 53	20-046 799	Fr.a. 047 270	<u>Front wheel brake drum</u> Now: reinforced hubs
19 Mar. 53	20-047 777		<u>Brake lines</u> Now: re-laid in vehicles with underfloor plates
3 June 53	20-053 673		<u>Bearing pin for hand brake lever</u> Now: total length 49.0 mm Formerly: 48.5 mm Now: distance from groove center to groove center 42 mm Formerly: 41.5 mm
1 July 53	20-056 088		<u>Brake drum/rear axle gear shaft</u> Now: reduced splined fit tolerance. Side play + 0.01 / - 0.02 mm Formerly: 0.085 mm
29 Sept. 53	1-0536 041		<u>Brake rod, front</u> Now: cotter pin hole 5.0/4.5 mm dia. Formerly: 5.4/4.5 mm dia.
16 Oct. 53	1-0544 625		<u>Brake shoe return springs</u> Now: inclined return spring position in a number of cases Formerly: horizontal position Now: oil brake fluid reservoir relocated to the rear of the spare wheel Formerly: located in front of frame end plate at master brake cylinder

Date introduced	Chassis No.	Unit No.	Modification
2 Nov. 53	1-0551 808	Red.g. 141 286	<u>Wheel disc</u> Now: metal thickness 3 mm Formerly: 2.75mm
30 Oct. 53 2 Nov. 53	20-065 155 1-0575 415	Red.g. 143 934 Red.g. 167 878	<u>Leaf spring at brake shoe bracket</u> Now: caulked Formerly: screwed
21 Dec. 53	1-0575 415 1-0575 417 20-069 409	(Exp.) Fr.a. 590 166 (Stand.) Red.g. 167 878 Fr.a. 070 257 Red.g. 169 153	<u>Brake shoe return springs</u> Now: inclined position (standard) Formerly: horizontal position
21 Dec. 53	1-0575 415		<u>Fluid reservoir for brake master cylinder.</u> Now: arranged in front luggage compartment, behind spare tire. Formerly: at master cylinder.
			<u>Tires 5.60 x 15</u> Now: pressure 1.1 kg./sq. cm. and 1.4 kg./sq. cm. (1-2 persons) Pressure 1.2 kg./sq. cm. and 1.6 kg./sq. cm. (3-5 persons) Formerly: 1.1 and 1.4 or 1.6 kg./sq. cm. (rear wheel tires)
23 Dec. 53	20-069 508	Fr.a. 070 027	<u>Brake shoes</u> Now: sand-blasted, improved lining adhesion
1954 5 Feb. 54	1-0598 459		<u>Fluid reservoir for master brake cylinder</u> Now: plug seal diameter enlarged to 17.85 mm, seal marking: dot
24 Mar. 54	1-0623 266 1-0623 388		<u>Brake hose, front and rear</u> Now: outer diameter 10 mm Formerly: 12.2 mm Now: inside diameter 2.5 mm

Date introduced	Chassis No.	Unit No.	Modification
3 May 54	1-0645 501		<u>Wheel brake cylinder</u>
5 May 54	20-083 328		Now: with two mounting bolts Formerly: four mounting bolts
6 May 54	Stand. 1-0647 384	515 629	<u>Rear wheel brake back plate</u>
7 May 54	Exp. 1-0647 704	241 770	Now: round holes Formerly: slots
7 May 54	20-083 755	239 995	
6 Aug. 54	20-091 765		<u>Brake drum</u> Now: without spline side play, press-fitted with a maximum tolerance of 0.032 mm Formerly: spline side play up to ± 0.01 mm
25 Oct. 54	1-0738 484 20-102 005		<u>Moulding wheel caps</u> Now: 3 lips at inner circumference
<u>1955</u>			
1 Mar. 55	20-117 902		<u>Brake hose, front</u> Now: mounting clip at grease nipple for top king pin
1 Mar. 55	20-117 902	Fr.a. 120 231 Red.g. 418 385	<u>Brake drums, rear</u> Now: hubs 80 mm long Formerly: 48 mm
			<u>Brake drums</u> Now: second rib at open side
			<u>Disc wheels</u> Now: with air slots between disc and rim

Date introduced	Chassis No.	Unit No.	Modification
			<u>Tires</u> Now: 6.40 x 15 Formerly: 5.50 x 16
			<u>Tire pressures</u> Now: front 2.0 kg./sq. cm., rear 2.3 kg./sq. cm. Formerly: 2.25 kg./sq. cm. and 2.5 kg./sq. cm.
			<u>Front wheel brake</u> Now: Duplex brake, 2 leading shoes, 2 brake cylinders per wheel Formerly: Simplex-Bavart Now: brake shoes 50 mm wide Formerly: 40 mm
			<u>Brake lining</u> Now: 5 mm thick Formerly: 4 mm thick
			<u>Braking surface</u> 836 cm ² Formerly: 700 cm ²
			<u>Master brake cylinder</u> Now: 22.2 mm dia. Formerly: 19.05 mm dia.
			<u>Wheel brake cylinder, front</u> Now: 25.5 mm dia. Formerly: 22.20 mm dia.
			<u>Wheel brake cylinder, rear,</u> Now: 22.2 mm dia. Formerly: 19.05 mm dia.

Date introduced	Chassis No.	Unit No.	Modification
			<u>Hand brake cables</u> Now: return spring, rear Formerly: without spring
			<u>Brake pedal</u> Now: with profiled rubber cap Now: brake rod felt seal in floor of vehicle
			<u>Wheel brake cylinder and brake shoe bracket</u> Now: mounted directly at steering knuckles and final reduction gear covers Formerly: mounted together with back plates
4 Aug. 55	1-0929	746	<u>Handbrake cables</u> Now: attached to hand brake lever (for export only). Formerly: attached to brake rod
29 Nov. 55	20-156	037	<u>Brake line to distributor</u> Now: protected by DEKAFOL tape within the range of the closed cross members
1 Dec. 55	1 040	548	<u>Brake line at frame</u> Now: additional anti-corrosion protection through D 9 coating
<u>1956</u>			
19 Feb. 56	169	193	<u>Brake lines, rear</u> Now: modified arrangement and additional holders
24 Feb. 56	170 230	Red.g.732 417	<u>Wheel brake cylinder, rear</u> Now: circlip underneath retaining bolt Formerly: spring washer

Date introduced	Chassis No.	Unit No.	Modification
25 Feb. 56	1 117	200	<u>Brake shoe adjusting nut</u> Now: total length 21.0 mm Formerly: 29.5 mm
7 Mar. 56	1 125 652	Fr.a. 142 064 Red.g. 745 833	<u>Brake drum</u> Now: adjusting hole modified and relocated
20 Mar. 56	1 137 622	Fr.a. 352 468 Red.g. 757 651	<u>Brake shoe adjusting screw</u> Now: shortened by 3.5 mm
1 June 56	178	003	<u>Brake lines to distributor</u> Now: no longer protected by DEFAKOL tape near the cross members. Cross members open at bottom side
30 June 56	1 232	835	<u>Tubeless tires</u> Now: 800 vehicles fitted with tubeless tires
10 July 56	1 239	921/141	<u>Tubeless tires</u>
11 July 56	1 245	207/151	
13 July 56	1 248	030/111 + 113	Now: 5.60 x 15 (standard) Formerly: with inner tube
14 Sept.56	200 400	Red.g. 924 350	<u>Back plate brackets, rear</u> Now: circlips for nuts Formerly: spring washers
20 Sept.56	1 298	386	<u>Brake rod tube</u> Now: shortened by 3 mm
1 Oct.56	1 307	200	<u>Brake lever</u>
8 Oct.56	205	400	Improved clearance: Now: shoulder dimension 4+1 mm Formerly: 3.3 - 3.7 mm Now: length 40 + 1 mm Formerly: 22.5/21.5 mm

Date introduced	Chassis No.	Unit No.	Modification
10 Oct. 56	205 985		<u>Disc wheel 4.5K x 15</u> Now: for tubeless tires 6.40 x 15 (in a number of cases)
<u>1957</u>			
2 Jan. 57	1 398 207		<u>Fluid reservoir for oil hydraulic brake</u> Now: modified fit
11 Jan. 57	1 408 577	1 423 392	<u>Brake adjusting hole</u> Now: round Formerly: oval
16 Jan. 57	1 412 572	1 053 845	
15 Jan. 57	1 409 569	1 060 746	<u>Brake cables, rear</u> Now: rubber hose over connection of spiral hose to bent end piece
18 Jan. 57	117 449		<u>Brake line, rear, right</u> Now: additionally galvanized, dull finish Formerly: copper-plated
22 Jan. 57	228 657		<u>Brake line, front, right, between master brake cylinder and brake hose</u> Now: additionally galvanized, dull finish, Formerly: copper-plated
22 Jan. 57	228 669		<u>Brake line between master brake cylinder and distributor</u> Now: additionally galvanized, dull finish Formerly: copper-plated

Date introduced	Chassis No.	Unit No.	Modification
26 Jan. 57	229 787		<u>Brake lines between brake hose and wheel brake cylinders, left and right rear</u> Now: additionally galvanized, dull finish Formerly: copper-plated
29 Jan. 57	230 147		<u>Brake line, front, left, between master brake cylinder and brake hose</u> Now: additionally galvanized, dull finish Formerly: copper-plated
30 Jan. 57	1 428 171		<u>Brake line between distributor and brake hose, left, rear</u> Now: additionally galvanized, dull finish Formerly: copper-plated
1 Feb. 57	1 430 040		<u>Brake line between brake hose and wheel brake cylinder, left and right rear</u> Now: additionally galvanized, dull finish Formerly: copper-plated
1 Feb. 57	1 430 045		<u>Brake line between distributor and brake hose, right rear</u> Now: additionally galvanized, dull finish Formerly: copper-plated
8 Feb. 57	1 436 652		<u>Brake line between master brake cylinder and distributor, rear</u> Now: additionally galvanized, dull finish Formerly: copper-plated
8 Feb. 57	1 436 722		<u>Brake line between master brake cylinder and brake hose, right front</u> Now: additionally galvanized, dull finish Formerly: copper-plated

Date introduced	Chassis No.	Unit No.	Modification
12 Feb. 57	1 443 032		<u>Brake line between master brake cylinder and brake hose, front left</u> Now: additionally galvanized, dull finish Formerly: copper-plated.
2 Apr. 57	1 499 089		<u>Stop ring for brake pedal shaft</u> Now: 5 mm wide Formerly: 10 mm wide. <u>Brake push rod.</u> Now: shortened by 5 mm.
11 Apr. 57	248 322		<u>Brake fluid reservoir</u> Now: rubber cap Formerly: screwed cover. Now: screwed flange, 19 mm Formerly: 27 mm.
27 June 57 1 July 57	1 584 415 268 100	1 266 192 1 261 567	<u>Brake lever anchor pin</u> Now: galvanized Formerly: Phospatized.
1 Aug. 57	1 600 440		<u>Brake back plates</u> Now: turned through 180°; brake cylinder in top section instead of bottom section (not standard). <u>Brake cables</u> Now: shortened, Inserted into brake back plates from the front end (not standard).
6 Aug. 57	273 650		<u>Hub cap</u> Now: painted (delivery van and pick-up). Formerly: chromium-plated.

Date introduced	Chassis No.	Unit No.	Modification
23 Sept. 57 23 Sept. 57 1 Oct. 57	1 665 213 (143) 1 665 425 (141) 1 673 351		<u>Brake.</u> Now: brake cylinder, front, 22.2 mm. Brake shoes 40 mm wide, arranged horizontally; straight support. 2 return springs. Brake back plates modified in shape. Wider brake drums, with reinforcing rib at periphery. Wheel brake cylinder, rear, 19 mm. Straight brake shoe support. 2 return springs. Brake back plates modified in shape. Bearing flange turned deeper; bearing cap shortened at collar; brake drums with reinforcing rib at periphery. Hand brake cable with pressure spring. Track, front: 1305 mm. Formerly: 1290 mm. Steering angle: 28°/34° Formerly: 26°/32°. Brake, formerly: brake cylinder, front, 19 mm. Brake shoes 30 mm wide, arranged in inclined position. Wheel brake cylinders, rear 17.5 mm, brake shoes supported obliquely. 2 return springs. Hand brake cable without pressure spring.
1 Oct. 57	1 672 939		<u>Push rod for wheel brake cylinder</u> Now: groove behind the collar for locating rubber boot Formerly: without groove <u>Wheel brake cylinder, front</u> Now: shape of rubber boot modified.
22 Oct. 57	1 699 290	1 399 262	<u>Return spring for brake shoes.</u> Now: the type of springs used so far for the front wheels is also used for the rear wheels. Formerly: front and rear wheel springs differed from each other.

Date introduced	Chassis No.	Unit No.	Modification
1 Nov. 57	298 824		<u>Wheel brake cylinder, front</u> Now: Lug on wheel cylinder housing, cylinder bridge pipe located under lug
<u>1958</u>			
10 Dec. 58	2 207 270		<u>Brake master cylinder</u> Now: Secured with hex., bolt and spring washer Formerly: Studs with nuts
31 Dec. 58	2 228 250	2 035 424	<u>Rear wheel brake cylinder</u> Now: Seating of push rod rubber boot modified
<u>1959</u>			
2 Jan. 59	422 999		<u>Hub cap removal tool</u>
12 Jan. 59	2 245 160		Now: Removal tool included in tool kit
<u>1960</u>			
12 Jan. 60	2 822 646	2 833 027	<u>Front brake cable</u> Now: The protective hose 120 mm; secured to cable with wire, (standard model) Formerly: Length 65/70 mm intermittently secured with wire
29 Jan. 60	2 855 922	2 854 454	<u>Front brake back plate</u> Now: Bolts with then hex heads, each with a spring washer: inner hub of brake drum 2 mm (0.08") shorter Formerly: Bolts secured with wire
22 Feb. 60	2 907 378	HA 2 854 454 VA 2 911 546	<u>Brake cylinders</u> Now: Second manufacturer, identification mark "S", intermittently Formerly: One manufacturer, identification mark "Ate"
1 June 60	614 456		<u>Handbrake cable</u> Now: Attached to handbrake lever and adjustable from cab Formerly: Attached to equaliser lever

Date introduced	Chassis No.	Unit No.	Modification
15 June 60	3 149 038		<u>Bracket for front brake hose</u> Now: Moved 50 mm to the rear. Left brake line 170 mm long Formerly: Brake line 155 mm long
1 Aug. 60	3 192 507		<u>Brake fluid reservoir</u> Now: Made of transparent synthetic material Formerly: Made of sheet metal

Date introduced	Chassis No.	Unit No.	Modification
15 June 60	3 149 038		<u>Bracket for front brake hose</u> Now: Moved 50 mm to the rear. Left brake line 170 mm long Formerly: Brake line 155 mm long
1 Aug. 60	3 192 507		<u>Brake fluid reservoir</u> Now: Made of transparent sythetic material Formerly: Made of sheet metal
6 Dec. 60	695 376		<u>Hand brake lever</u> Now: Cover on lower end for brake cable attachment pin.
12 Dec. 60	3 511 065		<u>Line between reservoir and master cylinder</u> Now: Two parts connected by a flexible hose.
<u>1961</u>			
20 Jan. 61	3 607 316		<u>Brake cables, front</u> Now: Sharp edges on frame now folded back.
2 Aug. 61	4 027 181		<u>Brake pedal</u> Now: Bearing for main cylinder Operating rod lowered 5 mm. Increased power
3 Aug. 61	808 758		<u>Hand brake cable</u>
8 Aug. 61	4 036 536		Now: Maintenance free protective sleeve Formerly: With grease nipples

Date introduced	Chassis No.	Unit No.	Modification
22 Sept. 61	0 001 579		<u>Brake shoes</u> Now: Lighter web Formerly: Continuous web
13 Oct. 61	842 877		<u>Hand brake lever</u> Now: Hand brake lever pin with deeper groove for new spring clip Formerly: Circlip