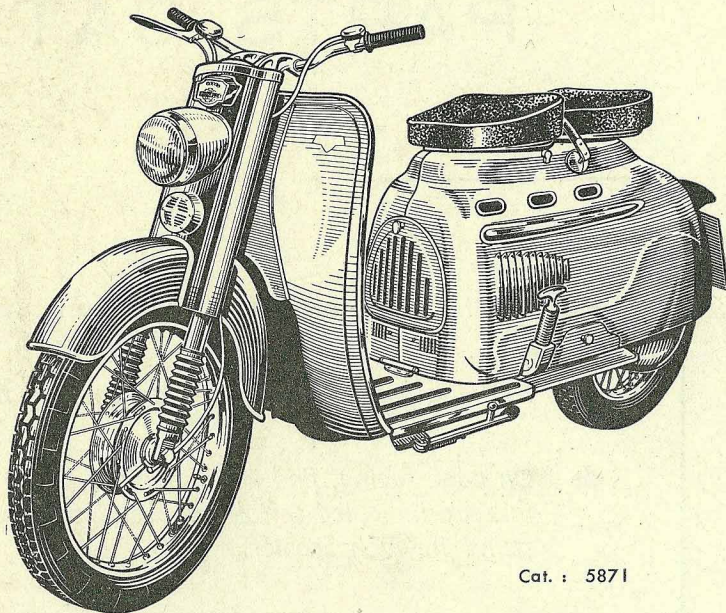


SPARE PARTS CATALOGUE



TYPE : SM 75



Cat. : 5871

MANUFACTURE DE MACHINES DU HAUT-RHIN

Capital de 1.250.000.000 de francs

Factory at Mulhouse Bourtzwiller (Haut-Rhin)

SCOOTER DÉPARTAMENT - 1, Boulevard Malesherbes, PARIS (8^e) Tél : ANJ 01.30

PLANCHE 1

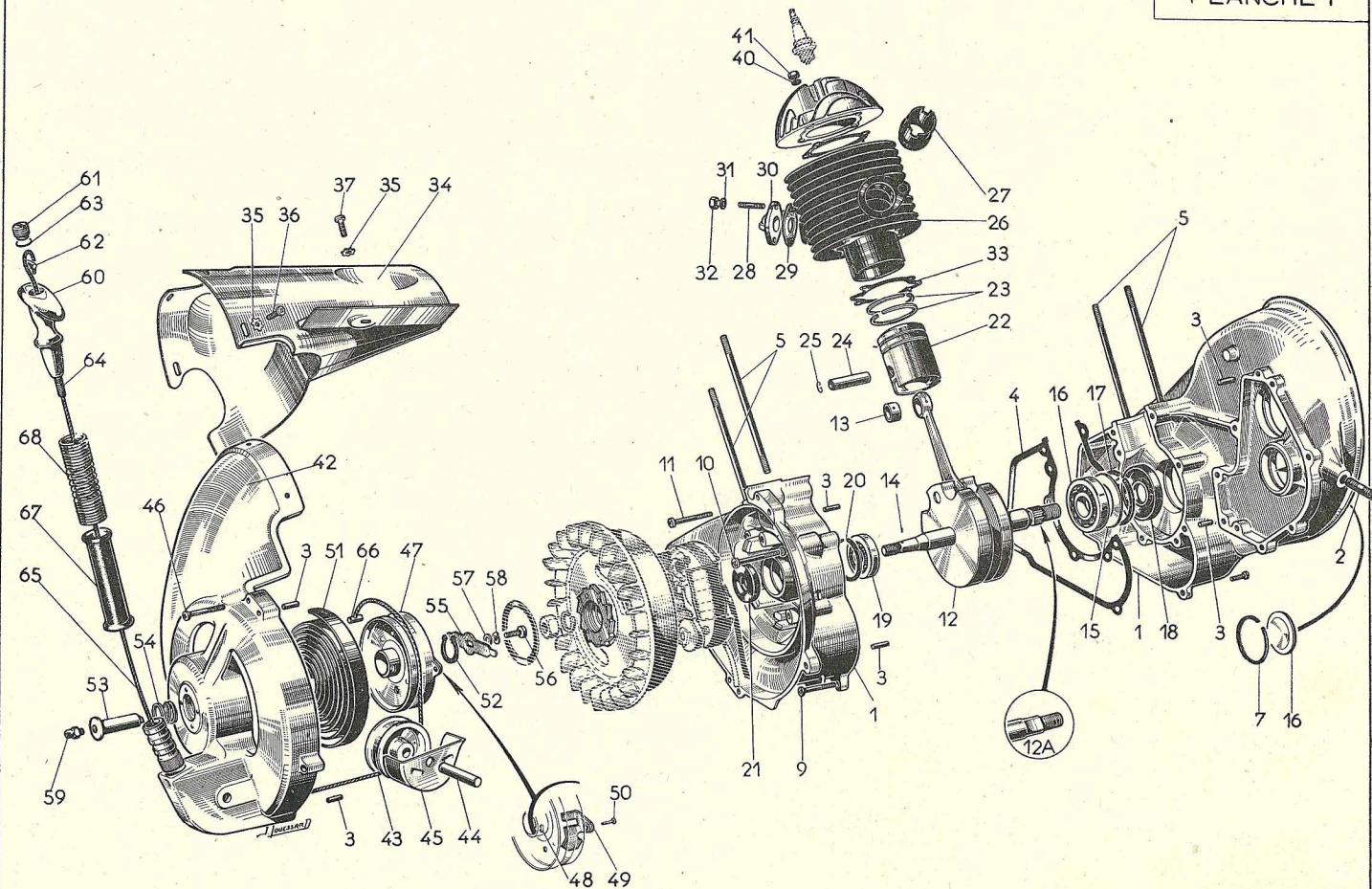


Plate I — MOTOR

(Casings - Cylinder - Connecting Rod Bearings - Starter - Air intake)

Fig.	Serial Nr.	DESCRIPTION	No	Remarks	Fig.	Serial Nr.	DESCRIPTION	No	Remarks
1 1A	101 100	Complete Engine Block with variator, carburetter and flywheel..	1		13	103 106	Little end collar	1	
	102 101	Two crank case halves of engine			14	103 109	V positioning magnetic cotter	1	
	102 201	Two crank case halves of engine (for 103 300) comprising :	1		14A	103 209	Positioning pin magnetic cotter (for 103 306)	1	
		1 pin M. 8×18 102 105			15	112 116	Compensating washer (thickness : 0.1)	a.n.	
		4 centring lugs 102 106			15	112 117	Compensating washer (thickness : 0.2)	a.n.	
		1 central gasket 102 107			15	112 118	Compensating washer (thickness : 0.3)	a.n.	
		4 pins 102 114			15	112 119	Compensating washer (thickness : 0.4)	a.n.	
		1 sealing capsule 102 119			15	112 120	Compensating washer (thickness : 0.5)	a.n.	
		1 circlips 103 117			16	103 122	Ball bearing No. 6.303 C3 for crankshaft variator side	1	
		6 washers ø 5 112 132			17	102 116	Ball race circlip Nr. 6.303 C3	1	
2	102 105	Engine fixing pin M 8×18	1		18	103 127	Sealing gasket - A 27 - 47×7	1	
3	102 106	Casing centring lug	4		19	103 121	Ball bearing Nr. 6.303 C3 for crankshaft magnetic flywheel side.	1	
4	102 107	Casing gasket	1		19A	107 123	Ball bearing Nr 6203 C3 (for 103 300)	1	
5	102 114	Cylinder and cylinder head guide columns	4		20	102 117	Ball race circlip Nr. 6.303 C3		
6	102 119	Sealing capsule	1		21	103 125	Sealing gasket - A 15 - 35×8	1	
7	102 117	Circlips	1		21A	103 225	Sealing gasket A 17-35×8 (for 103 300)		
8	112 132	Washers ø 5	6		22	104 100	Complete piston with rings, gudgeon pin and circlips ø 45	1	
9	113 105	Screw PH 5×20	2		23	104 103	Piston rings	2	
10	113 107	Screw PH 5×35	2		24	104 104	Gudgeon pin	1	
11	113 108	Screw PH 5×40	2		25	104 105	Circlips for gudgeon pin	2	
12	103 100	Complete ser, connecting rod and bearings (crankshaft, connecting rod and little end collar assembled)	1		26	105 100	Cylinder ø 45 with piston	1	
12A	103 200	As above with Polygone coupling. (cone 1,75)			26	105 102	Cylinder ø 45 alone	1	
12A ¹	103 300	As above with Polygone coupling cone BNA 15 %	1		27	105 103	Exhaust joint	1	
					28	105 104	Inlet pipe pin M 5×15	2	

(Casings - Cylinder - Connecting Rod Bearings - Starter - Air intake)

- 7 -

Plate I — MOTOR

(Casings - Cylinder - Connecting Rod Bearings - Starter - Air intake)

Fig.	Serial Nr.	DESCRIPTION	No	Remarks	Fig.	Serial Nr.	DESCRIPTION	No	Remarks
59	114 121	Spindle greaser	1		66	108 145	Cable stop piece $\varnothing$ 8	1	
60	108 137	Starter handle	1			108 144	Cable (stripped)	1	
61	108 139	Headless screw (handle)	1		67	108 147	Rubber sheath	1	
62	108 140	Cable holding lug	1		68	108 148	Sheath spring	1	
63	108 141	Headless screw pastille	1			108 103	Guiding tube for 108 147	1	
64	108 142	Cable spiral (in handle)	1			108 104	Axis for spring cover	1	
65	108 143	Starter cable (with stop piece) (66).	1			108 105	Spring cover	1	
						108 106	Fastening rivet	4	

REDUCTOR

PLANCHE 2

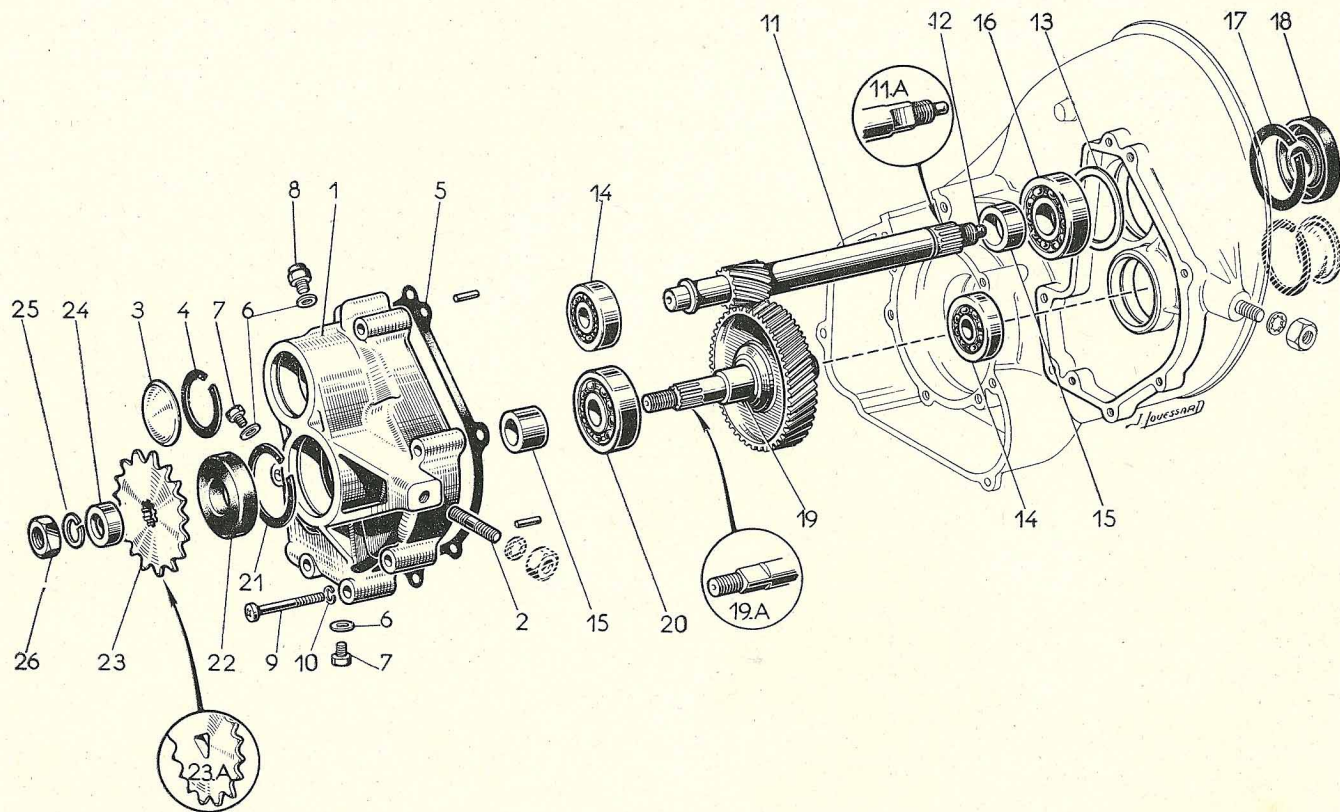


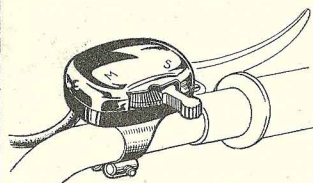
Plate 2 — ENGINE

(Reductor)

Fig.	Serial Nr.	DESCRIPTION	No	Remarks	Fig.	Serial Nr.	DESCRIPTION	No	Remarks
1	102 104	Reductor cover including :			14	103 121	Countershaft ball race 6 202 C 3 (variator side)	1	
		1 pin M 8×18			20	107 123	Countershaft ball race 6 203 C 3 (chain side)	1	
		1 sealing capsule			15	107 146	Countershaft stay collar	1	
		1 circlips			21	102 115	Circlips ball race 6 203 C 3	1	
2	102 105	Pin M 8×18	1		22	107 129	Sealing gasket 26×40×7	1	
3	102 119	Sealing Capsule	1		23	107 163	Fluted chain pinion (14 teeth) (special order)	1	
4	102 117	Capsule circlips	1			107 164	Fluted chain pinion (15 teeth) (special order)	1	
5	102 108	Cover gasket	1			107 165	Fluted chain pinion (16 teeth) (as fitted)	1	
6	102 109	Gasket washer	3		23A	107 263	Polygon reamed chain pinion (14 teeth) (special order)	1	
7	102 110	Plug (emptying - level)	2			107 264	Polygon reamed chain pinion (15 teeth) (special order)	1	
8	102 111	Plug (inspection and filling)	1			107 265	Polygon reamed chain pinion (16 teeth) (as fitted)	1	
9	113 110	Screw PH 6×40	7		24	107 167	Separation washer for pinion	1	
10	112 133	Washer W 6	7		25	112 141	Washer W 12	1	
11	107 143	Driving shaft with greaser $\varnothing$ 16,8	1		26	111 104	Nut H 12 - thread 150	1	
11A	107 243	Driving shaft (Polygon profile)							
12	114 122	Greaser (driving shaft)	1						
13	112 116	Compensating washer 0.1	a.n.						
	112 117	Compensating washer 0.2	a.n.						
	112 118	Compensating washer 0.3	a.n.						
	112 119	Compensating washer 0.4	a.n.						
14	112 120	Compensating washer 0.5	a.n.						
	103 121	Driving shaft ball race Nr. 6202 C (chain side)	1						
15	107 146	Driving shaft stay collar	1						
16	103 122	Driving shaft ball race Nr. 6 303 C (variator side)	1						
17	102 116	Circlips ball race 6 303 C 3	1						
18	107 150	Sealing gasket 16.8×47×7	1						
19	107 162	Complete countershaft with pinion.	1						
19A	107 262	Complete countershaft (Polygon profile)	1						

BELTOMATIC INTÉGRAL

PLANCHE 3/2



Voir PL 10/2.3

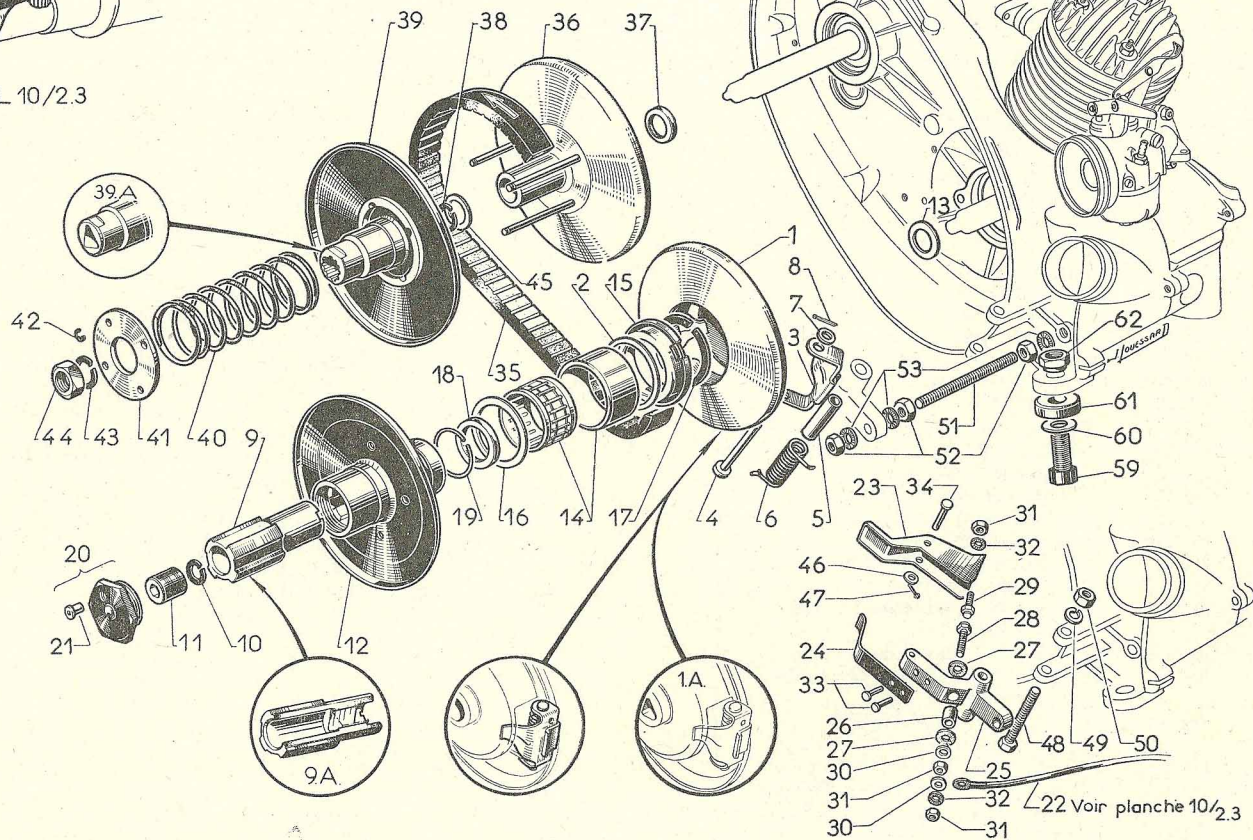


Plate 3/2 - BELTOMATIC INTEGRAL

Fig.	Serial Nr.	DESCRIPTION	No	Remarks	Fig.	Serial Nr.	DESCRIPTION	No	Remarks
1	107 201	Primary drive plate (internal), grooved, Beltomatic Integral type	1		18	107 132	Lipped ring	1	
1A	107 301	Primary drive plate (internal), polygon reaming, Beltomatic Integral type	1		19	107 133	Lock ring	1	
2	107 107	Compensating washer (thickness 0.2)	a.n.		20	107 234	Locking screw with greaser	1	
2	107 108	Compensating washer (thickness 0.5)	a.n.		21	114 120	Greaser	1	
3	107 209	Runner	3		22	140 232	Contact connection cable	1	
4	107 110	Runner pin	3		23	107 192	Mobile contact-bearing lever	1	
5	107 111	Runner pin bearing	3		24	107 184	Spring leaf	1	
6	107 212	Runner spring	3		25	107 182	Aluminium support with spring leaf	1	
7	112 102	Washer $\varnothing$ 5	3		26	107 188	Insulating tube	1	
8	114 111	Pin 1.5x15	3		27	107 187	Insulating washer	2	
9	107 114	Grooved driving socket	1		28	107 193	Mobile contact point	1	
9A	107 214	Grooved driving socket, polygon reaming	1		29	107 186	Fixed contact point	1	
10	112 141	Washer $\varnothing$ 12	1		30	112 104	Washer $\varnothing$ 4	2	
11	107 115	Socket block-nut	1		31	111 120	Nut H 50-4-56	3	
12	107 117	Primary drive plate (external)	1		32	112 124	Washer with inside notch $\varnothing$ 4	1	
	107 116	Drive plate 107 117 and socket 107 114	1		33	114 125	Aluminium rivet	2	
	107 216	Drive plate 107 117 and socket 107 214	1		34	107 195	Axle	1	
13	107 124	Adjustment washer	a.n.		35	107 180	Driving belt	1	
14	107 125	Needle cage with ball ring	1		36	107 148	Secondary driving plate (internal)	1	($\varnothing$ 17)
15	107 228	Complete spring support	1		37	107 152	Lipped ring	1	
16	107 126	Compensating washer 0.3	1		38	107 153	Circlip	1	
	107 127	Compensating washer 0.8	1		39	107 155	Secondary driving plate (external) grooved	1	
17	107 131	Circlip	1		39A	107 255	Secondary driving plate (external) polygon reaming	1	
					40	107 157	Compression spring	1	
					41	107 158	Guiding disk	1	
					42	107 159	Safety clips	4	
					43	112 141	Washer W 12	1	
					44	111 104	Nut H 12x150	1	

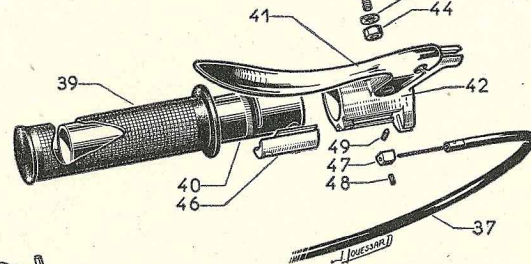
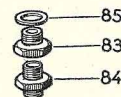
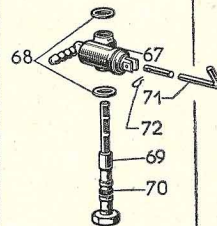
Plate 3/2 - BELTOMATIC INTEGRAL

Fig.	Serial Nr.	DESCRIPTION	No	Remarks	Fig.	Serial Nr.	DESCRIPTION	No	Remarks
45	112 111	Compensating washer (thickness 0.1)	a.n.		48	113 115	Screw H 6 55/56	1	
	112 112	Compensating washer (thickness 0.2)	a.n.		49	142 142	Washer W Z 6	1	
	112 113	Compensating washer (thickness 0.3)	a.n.		50	111 122	Nut H 50-6-56	1	
	112 114	Compensating washer (thickness 0.4)	a.n.		51	107 190	Threaded rod $\varnothing$ 5	1	
	112 115	Compensating washer (thickness 0.5)	a.n.		52	141 122	Nut H 80-5-42	3	
46	112 101	Washer $\varnothing$ 4	1		53	142 126	Washer with inside notches $\varnothing$ 5 ..	3	
47	114 113	Pin V 1 $\times$ 12	1		59	143 134	Screw H 10 $\times$ 32	2	
					60	142 111	Washer $\varnothing$ 10.5	2	Front fixing of motor
					61	121 174	Washer (thickness $\varnothing$ 10.5)		
					62	141 134	Nut H 10 brake	2	
					36A	107 248	Secondary driving plate (Internal $\varnothing$ 17,2)	1	

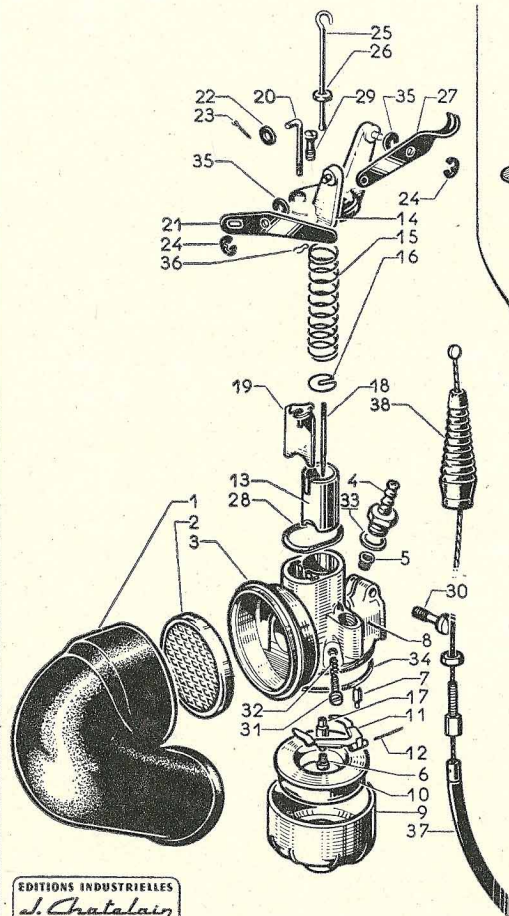
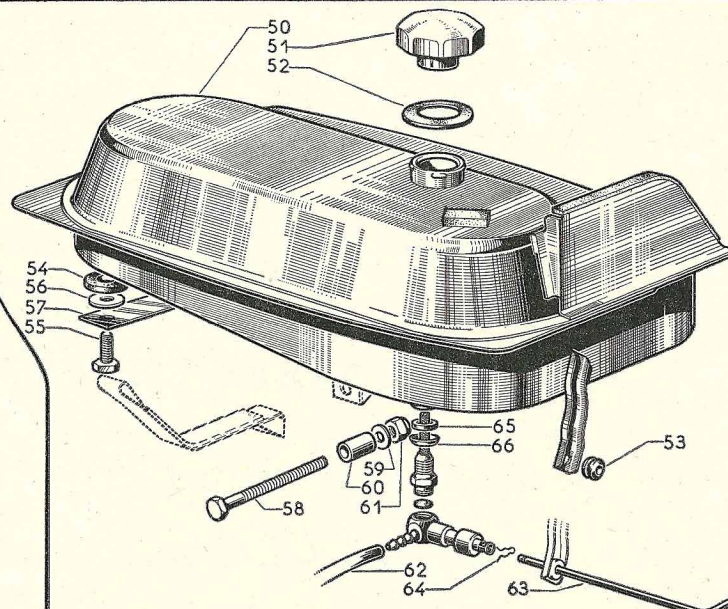
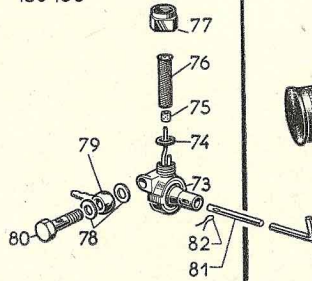
TANK - TAP - CARBURETTER AND CONTROLS

PLANCHE 4/2

COMPLET 138 140



COMPLET 138 150



EDITIONS INDUSTRIELLES
A. Chatalay
REPRODUCTION INTERDITE

Plate 4/2 — CARBURATION (Tank - Tap - Carburetter and controls)

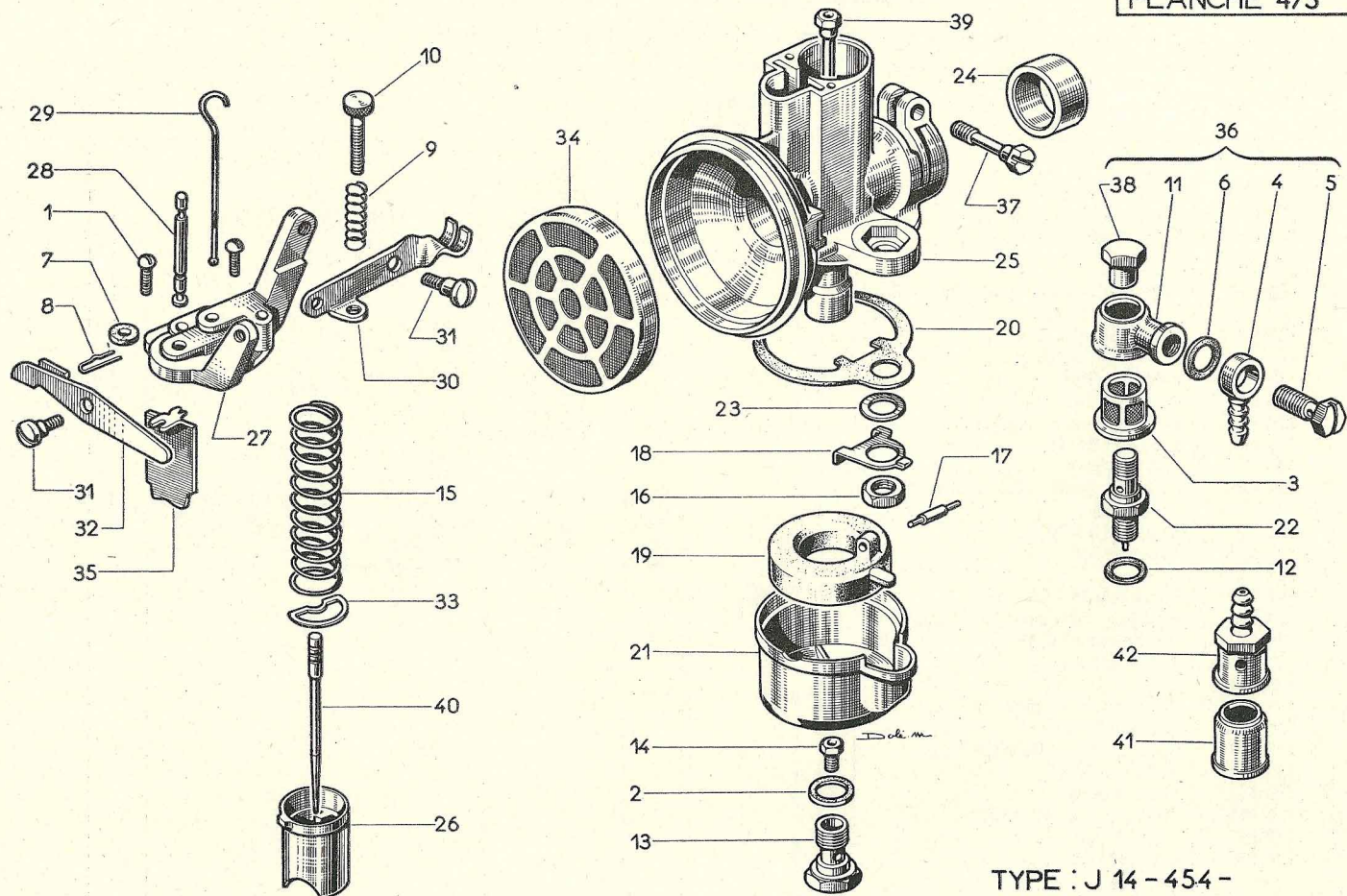
Fig.	Serial Nr.	DESCRIPTION	No	Remarks	Fig.	Serial Nr.	DESCRIPTION	No	Remarks
	109 100	Complete carburetter (without air filter or rubber sleeve)	1		29	109 131	Fixing screw for support cover	2	
1	109 102	Rubber sleeve	1		30	109 132	Tightening screw on inlet block ...	1	
2	109 103	Air filter	1		31	109 133	Slow running adjusting screw	1	
3	109 105	Body of carburetter	1		32	109 134	Spring for slow running adjustment screw	1	
4	109 106	Fuel intake mouth	1		33	109 135	Stop gasket for fuel intake	1	
5	109 107	Fuel filter (mesh)	1		34	109 136	Cup gasket	1	
6	109 108	Main jet	1		35	109 137	Domed washer	1	
7	109 109	Needle	1		36	109 138	Spring holding hook for starting rod and shutter	1	
8	109 110	Dome guiding pin	1		37	136 140	Gas control cable complete with stops, sheath and adjusting.. screw (thread 75)	1	
9	109 111	Carburetter cup	1			136 142	Gas control cable complete with stops, sheath and adjusting screw (thread 100) as from Nr. 000...	1	
10	109 112	Float	1		38	136 141	Accordeon damper	1	
11	109 113	Needle control fork	1			123 102	Complete gas control with Front brake lever (without rubber handlebar grip)	1	
12	109 114	Fork pivot pin	1		39	123 108	Rubber grip	1	
13	109 115	Gas dome	1		40	123 107	Twist grip tube (without rubber grip)	1	
14	109 116	Carburetter control lever support ..	1		41	123 105	Front brake lever	1	
15	109 117	Dome spring	1		42	123 106	Handlebar fulcrum and clip	1	
16	109 118	Needle fixing clips	1		43	123 103	Brake lever screw	1	
17	109 119	Needle jet (2.17)	1		44	141 103	Brake lever screw nut	1	
18	109 120	Needle	1		45	142 126	Toothed washer $\varnothing$ 5.3	1	
19	109 121	Cold starting shutter	1		46	123 104	Sliding cover	1	
20	109 122	Shutter control rod (starter)	1						
21	109 123	Shutter hand lever (starter)	1						
22	109 124	Lever pin washer	1						
23	109 125	Pin $\varnothing$ 0.5	2						
24	109 126	Starting lever retaining clips and dome control link	1						
25	109 127	Dome control rod	1						
26	109 128	Rubber ring	2						
27	109 129	Control link for dome rod	1						
28	109 130	Lever support cover gasket	1						

Plate 4/2 — CARBURATION (Tank - Tap - Carburetter and Controls)

Fig.	Serial Nr.	DESCRIPTION	No	Remarks	Fig.	Serial Nr.	DESCRIPTION	No	Remarks
47	123 109	Cable slide with set screw	1		72	138 146	Safety pin	1	
48	143 177	Headless screw 5×5	1			138 150	Reserve tap female thread	1	
49	143 178	Fulcrum fixing screw	2		73	138 151	Main tap block	1	
	138 101	Complete tank (with tap - filler and felt pads)			74	138 152	Fibre washer	1	
50	138 100	Tank (bare)	1		75	138 153	Cork	1	
51	138 102	Filler with washer	1		76	138 154	Filter	1	
52	138 103	Filler washer	1		77	138 155	Fixing nut	1	
53	138 123	Rubber guide	1		78	138 156	Dome gasket	2	
54	138 124	Rubber washer support for tank ..	4		79	138 157	Outlet	1	
55	143 119	Screw H 8×15	2		80	138 158	Outlet blocking screw	1	
56	138 125	Flat washers	2		81	138 159	Control rod	1	
57	138 126	Holding plate (for screw Serial Nr. 55)	1		82	138 160	Pin	1	
58	143 121	Screw H 8×70	1		83	138 170	Adaptor for fixing of taps 138 130/40	1	
59	142 109	Washer 8.4	1		84	138 180	Adaptor for fixing of taps 138 150 ..	1	
60	138 127	Brace	1		85	138 171	Gasket for adaptors 138 170/180 ..	1	
61	141 133	Block nut H 8	1		86	138 121	Felt 6x8x150	1	
	138 130	Fuel tap - non reserve - complete ..			87	138 122	Felt 12x15x40	1	
62	138 131	Rubber lines 5×9×280	1						
63	138 132	Tap control rod	1						
64	138 133	Tap pin	1						
65	138 134	Rubber tap washer	1						
66	138 135	Domed washer	1						
	138 140	Reserve tap with male thread	1						
67	138 141	Main tap block	1						
68	138 142	Fibre washer	1						
69	138 143	Fixing screw with filter	1						
70	138 144	Washer c/c	1						
71	138 145	Control rod	1						

CARBURETTER GURTNER (type Manurhin)

PLANCHE 4/3



TYPE : J 14 - 454 -

Plate 4/3 - CARBURETTER GURTNER type Manurhin

Beltomatic Intégral

Fig.	Serial Nr.	DESCRIPTION	No	Remarks	Fig.	Serial Nr.	DESCRIPTION	No	Remarks
	109 200	Complete carburetter	1		32	109 223	Shutter control lever.....	1	
1	109 231	Fixing screw for support cover ...	1		33	109 218	Fixing clip.....	1	
2	109 201	Gasket	1		34	109 203	Air filter	1	
3	109 207	Fuel filter	1		35	109 221	Air choke	1	
4	109 206	Angle banjo union	1		36	109 240	Double banjo	1	
5	109 204	Cap	1		37	109 232	Tightening screw.....	1	
6	109 235	Gasket	1		38	109 241	Banjo fixing bolt	1	
7	109 228	Rubber ring	1		39	109 219	Choke tube.....	1	
8	109 238	Shutter holding hook	1		40	109 220	Needle	1	
9	109 234	Spring	1		41	109 242	Straight banjo	} can replace unit Nr 36	1
10	109 233	Adjusting screw	1		42	109 243	Straight banjo union		1
11	109 210	Angle banjo	1						
12	109 230	Gasket	1						
13	109 224	Jet holder	1						
14	109 208	Main jet.....	1						
15	109 217	Shutter spring	1						
16	109 225	Securing nut	1						
17	109 214	Fork pivot pin	1						
18	109 213	Needle control fork	1						
19	109 212	Float	1						
20	109 236	Cup gasket	1						
21	109 211	Carburetter cup	1						
22	109 209	Needle valve	1						
23	109 226	Washer	1						
24	109 239	Reduction ring	1						
25	109 205	Body of carburetter	1						
26	109 215	Gas shutter	1						
27	109 216	Body cover	1						
28	109 222	Shutter control rod	1						
29	109 227	Control rod	1						
30	109 229	Gas control lever	1						
31	109 237	Side lever gudgeon	1						

REAR SUSPENSION - CHAINCASE - MUFFLER - STAND

PLANCHE 5

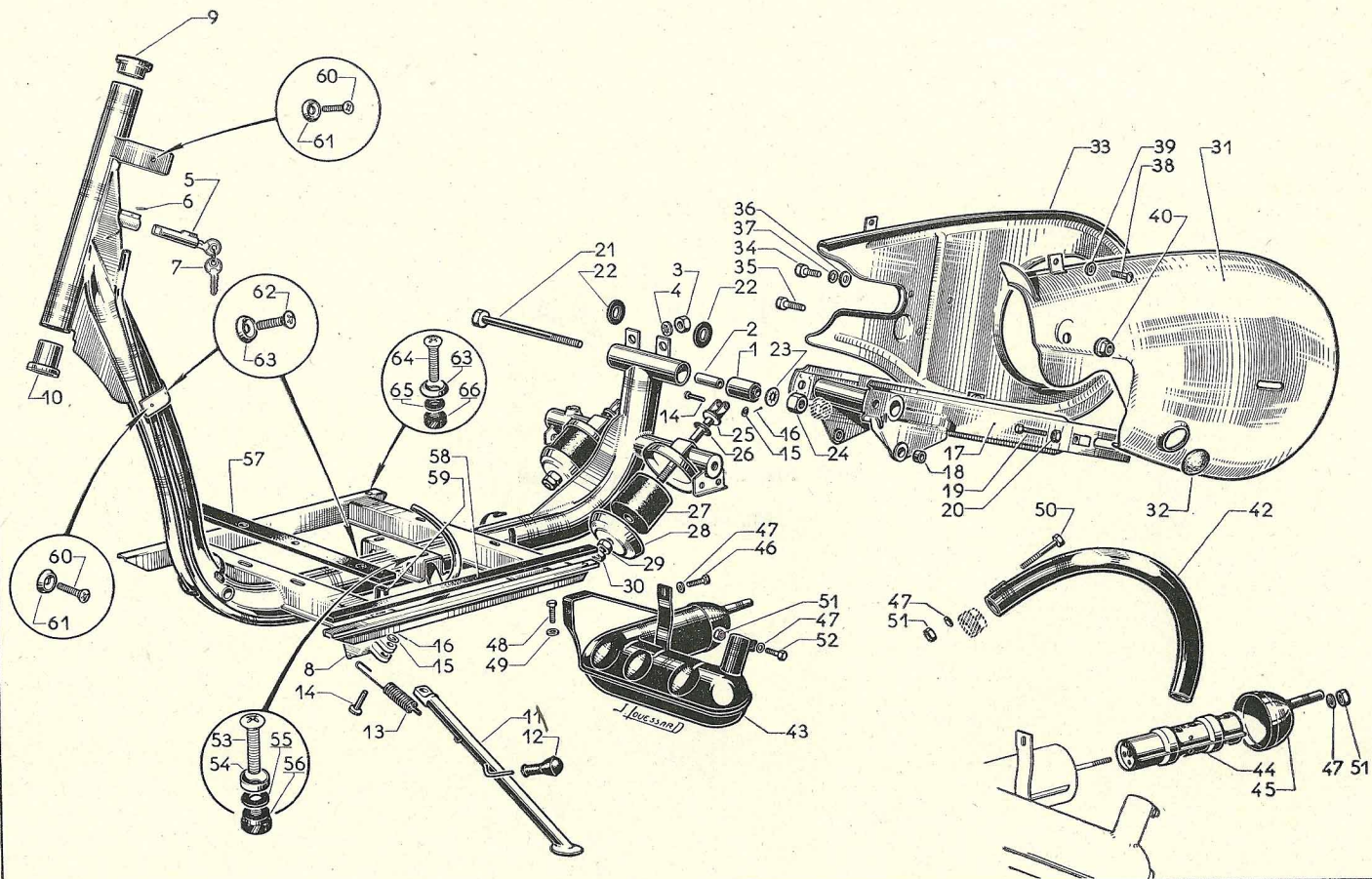


Plate 5 — COMPLETE FRAME (Rear Suspension - Chain Case - Muffler - Stand)

Fig.	Serial Nr.	DESCRIPTION	No	Remarks	Fig.	Serial Nr.	DESCRIPTION	No	Remarks
	121 100	Complete Frame including : 1 lock with key 2 steering cups 1 clutch cable guide tube (soldered) 1 stand support 2 stirrup stays for rear footrests. 2 silentblocks and stays			19	143 117	Chain stretcher screw	2	
					20	141 104	Chain stretcher nut	2	
					21	143 138	Pivot screw H 12 of oscillating fork.	1	
					22	132 125	Compensating washer	a.n.	
					23	142 129	Toothed washer $\varnothing$ 12.5	1	
					24	141 111	Nut H 12 thread 150	1	
					25	132 130	Draw rods	2	
					26	132 134	Rubber dams	2	
					27	132 135	Rubber suspension dampers	2	
					28	132 138	Lower damper cup	2	
1	121 102	Silentblock pivot for rear suspension	2		29	141 110	Nut H 10 - for draw rods	2	
2	121 103	Stay tube pivot for rear suspension.	1		30	141 125	Counter nut H a 10.....	2	
3	141 108	Fixing nuts H 8 rear of engine	2		14	144 103	Draw rod pivot pin.....	2	
4	142 128	Toothed washers $\varnothing$ 8.4	2		33	142 109	Pivot pin washer ($\varnothing$ 8.4).....	2	
5	121 104	Lock (with 2 keys)	1		31	128 101	Chain Case (exterior)	1	
6	121 105	Lock hook	1		32	128 108	Rubber cap for chain inspection trap	1	
7	121 106	Spare key (to be ordered).....	1		33	128 110	Chain case (interior)	1	
8	121 107	Stand head (welded)	1		34	143 118	Case fixing screw (interior) H7 $\times$ 12 normal	2	
8A	121 207	Stand head (new type).....	1		35	143 125	Case fixing screw (interior) H7 $\times$ 12 flat head	1	
9	121 109	Upper steering cup	1		36	142 108	Flat washer $\varnothing$ 7.4	3	
10	121 110	Lower steering cup	1		37	142 123	Toothed washer $\varnothing$ 7.4	3	
11	124 100	Complete lateral stand (without spring - rubber feet - pivot pin washer and pin)	1		38	143 176	Screw R 5 $\times$ 7.2 upper assembly of half cases	1	
11A	124 200	Complete lateral stand (new type)	1		39	142 106	Washer $\varnothing$ 5.3	1	
12	124 106	Rubber foot	1		40	128 115	Shoulder put $\varnothing$ 10	1	
13	124 108	Stand release spring	1		41	131 141	Shoulder put $\varnothing$ 12 on rear hub.. pin	1	
14	144 103	Pivot pin	1						
15	142 109	Washer with pivot ($\varnothing$ 8.4)/.....	1						
16	144 112	Pin with pivot 2 $\times$ 20	1						
17	132 101	Rear Oscillating Fork	1						
18	132 105	Self-greasing rear suspension pivot socket	2						

Plate 5 — COMPLETE FRAME
(Rear Suspension - Chain Case - Muffler - Stand)

Fig.	Serial Nr.	DESCRIPTION	No	Remarks	Fig.	Serial Nr.	DESCRIPTION	No	Remarks
42	137 101	Exhaust pipe	1		53	143 164	Screw PH FB 90 - 8×25	2	
					54	125 121	Cup for screw PH FB 90	2	
43	137 110	Muffler complete (the front portion is not delivered separately).	1		55	142 109	Washer $\varnothing$ 8.4	2	
44	137 111	Muffler baffle	1		56	141 132	Counter nut H 8	2	
45	137 112	Exit cap of muffler	1		57	125 115	Wide rubber strip	1	
46	143 114	Screw H 6×12	1		58	125 116	Narrow rubber strip	1	
47	142 142	Washer W 6	3		59	125 117	Fixing collar for rubber strips	6	
48	143 119	Screw H 8×15	1		60	143 161	Screw PH 4×12	4	
49	142 144	Washer W 8	1		61	142 101	Domed washer for screw PH 4×12.	4	
50	143 131	Screw H 6×35	1		62	143 162	Screw PH 6×15 fixing shield	2	
51	141 104	Nut H 6	2		63	125 111	Cup for screw PH 6×15 and 6×20.	6	
51A	141 160	Spécial Nut H 8	1		64	143 163	Screw PH 6×20	4	
52	143 116	Screw H 6×15	1		65	142 107	Washer $\varnothing$ 6.4	1	
52A	146 185	Lug screw $\varnothing$ 8×40	1		66	141 104	Nut H 6	3	
					67	121 143	Straps bearing	2	

TELESCOPIC FORK

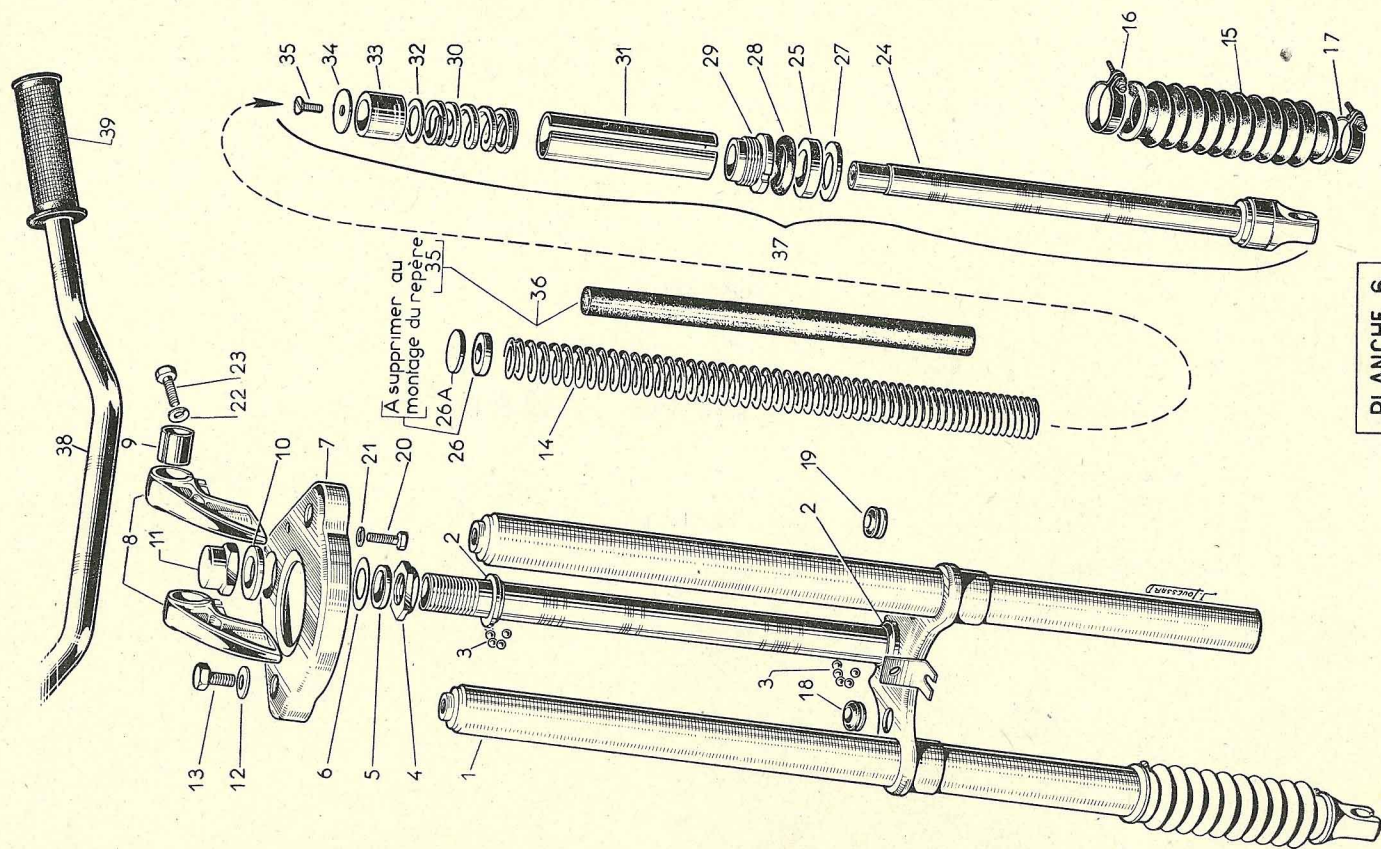


PLANCHE 6

Plate 6 — TELESCOPIC FORK

Fig.	Serial Nr.	DESCRIPTION	No	Remarks	Fig.	Serial Nr.	DESCRIPTION	No	Remarks
	122 100	Telescopic fork complete (for assembly) Including lower frame, bare plate, handlebar supports. Sliding tubes. Mounted ungreased, no bearings	1		25	122 139	Lower collars	2	
1	122 101	Frame of fork	1		26	122 140	Upper collars	2	
2	122 111	Steering cone	2		26A	122 154	Blind washer, thickness 1.5 mm (replaces Piece 122 140 Fig. 26 when mounting rubber rolls 122 153 Fig. 36)	2	
3	122 112	Ball bearings $\varnothing$ 5	42		27	122 141	Washers	2	
4	122 113	Counter nut (chromed)	1		28	122 142	Rings c/c	2	
5	122 114	Intermediate collar	1		29	122 144	Nuts for added sockets	2	
6	122 115	Compensating washer	a.n.		30	122 146	Release springs	2	
7	122 121	Bare fork plate (upper)	1		31	122 147	Supporting socket release springs	2	
8	122 125	Handlebar supports	2		32	122 148	Washers	2	
9	122 126	Tightening bush	2		33	122 149	Nylon bush	2	
10	122 127	Chromed washer	1		34	122 150	Supporting washers	2	
11	122 128	Blind nut 26 $\times$ 100	1		35	122 151	Screw F (reamed)	2	
12	122 129	Chromed washers for fixing cover	2		35A	143 102	Screw F (normal)	2	
13	143 122	Screws H 10 $\times$ 20 (chromed)	2		36	122 153	Rubber rolls	2	
14	122 130	Main Spring	2		37	122 134	Sliding tubes complete without bellows	2	
15	122 131	Bellows c/c	2			122 116	Frame with tubes fitted with bellows	1	
16	122 132	Upper collars 39/9 with tightening screw	2			122 122	Support plate with handlebar supports and screws and nuts	1	
17	122 133	Lower collars 34/9 with tightening screw	2			123 100	Complete handlebars : Handlebar bend - Throttle grip and clutch with lever and rubber grips	1	
18	144 131	Cable guide for front brake cable	1			123 200	Complete handlebars for Beltomatic-Intégral	1	
19	144 132	Socket c/c for speedometer cable	1		38	123 101	Handlebar bend bare (chromed)	1	
20	143 120	Screw H 8 $\times$ 20	2		39	123 128	Fixed grip c/c	1	
21	142 143	Washers $\varnothing$ 8	2						
22	142 144	Washers $\varnothing$ 8 chromed	2						
23	143 132	Screw H 8 $\times$ 30 chromed	2						
24	122 135	Bare sliding tubes	2						

PLANCHE 7



Plate 7 — BODYWORK

Fig.	Serial Nr.	DESCRIPTION	No	Remarks	Fig.	Serial Nr.	DESCRIPTION	No	Remarks	
1	125 100	Shield-running board	1		25	126 124	Clutch cable guide (rubber)	1		
2	125 104	Hinge reinforcement	1		26	126 123	Throttle cable guide (rubber)	1		
3	143 162	Screw PH 6×15 (chromed)	2		27	127 100	Front mudguard	1		
4	143 151	Screw FB 90 (phosphated)	2		28	127 105	Mudguard fixing stirrup	2		
5	142 132	Conical toothed washer $\varnothing$ 6.4	2		29	142 121	Toothed washer $\varnothing$ 5.3	4		
6	125 105	Half hinge	1		30	141 122	Nuts H 5	4		
7	125 107	Running board rubber strip length 392	2		31	143 115	Screw H 6×15	} For fixing front mud-guard	1	
8	125 108	Running board rubber strip length 280	2		32	142 136	Washer $\varnothing$ 6 large		1	
					33	142 115	Washer $\varnothing$ 6		1	
9	144 110	Running board rubber strip length 224 (2 are used for "Solo" equipment on the rear housing in the place of the second saddle)	2		34	141 106	Nut H 6	} For fixing earth wire	1	
					35	143 113	Screw H 6×12		1	
					36	142 122	Toothed washer $\varnothing$ 6.4		1	
10	125 106	Rubber fitting for lock emplacement	1		37	130 100	Rear housing (bare)	1		
11	125 110	Bag carrier with spring	1		38	130 120	Pivot pin front saddle	1		
12	143 162	Screw PH - FB 90 - 6×15	2		39	130 133	Rubber corks	2		
13	125 112	Spring of bag carrier	1		40	130 161	Complete rear housing shutter with latch and half hinge	1		
14	126 100	Fork fairing	1		41	130 162	Complete Shutter handle	1		
15	126 111	Cable guide (rubber) for front brake cable	1		42	130 166	Shutter handle	1		
16	144 132	Upper round cable guide (rubber) ..	1		43	130 168	Handle spring	1		
17	126 114	Plastic assembly packing (headlight and front mudguard)	2		44	130 164	Rubber washer	1		
18	126 130	Front "MANURHIN" badge	1		45	130 169	Catch	1		
19	142 104	Flat washer $\varnothing$ 4.3	4		46	142 141	Washer W 4	3		
20	142 125	Toothed washer $\varnothing$ 4.3	4		47	141 121	Nut H a $\varnothing$ 4	1		
21	141 101	Nut H 4	4		48	130 170	Shutter hinge	1		
22	126 121	Fairing of steering column	1		49	130 171	Hinge pin	1		
23	126 115	Fairing assembly packing	1		50	144 111	Cotter pin 1×10	1		
24	144 131	Upper round cable guide (rubber) ..	1		51	143 161	Screw FB 90.4×12	2		
					52	142 101	Cup washer screw PH	2		
					53	141 101	Nut H 4	2		
						130 175	Rubber strip	2		

Plate 7 — BODYWORK

Fig.	Serial Nr.	DESCRIPTION	No	Remarks	Fig.	Serial Nr.	DESCRIPTION	No	Remarks
54	130 137	Rear Housing fixing screw	2		79	143 112	Screw H 5×10	3	
55	142 112	Washer $\varnothing$ 10.5 chromed	2		80	142 121	Toothed washer $\varnothing$ 5.3	3	
56	130 181	Rubber cork	8			145 000	"Duo" equipment supplied only on order.		
57	130 185	Hinge pivot pin	1				Includes : Rear saddle - foot rests - and flexible handle		
58	142 124	Toothed washer $\varnothing$ 8.4	1			145 100	Rear saddle complete	1	
59	141 113	Nut H 8	1		81	145 101	Rear saddle cup	1	
60	130 150	Rear "MANURHIN" badge	1		77	134 110	Saddle cushion	1	
61	130 130	Anti-dust flap (rubber)	1		78	134 120	Cover	1	
62	130 131	Flap fixing plate	1		82	145 105	Chock	1	
63	143 175	Screw R 4×10	3		83	145 106	Rubber rectangles	2	
19	142 104	Washer $\varnothing$ 4.3	6		84	143 123	Screw H 6×18	4	
21	141 101	Nut H 4	3		85	142 122	Toothed washers $\varnothing$ 6.4	4	
64	130 188	Saddle blocking safety lock (to be ordered)	1		86	142 136	Washer	4	
65	130 189	Cover-plate for lock (to be ordered)	1		87	145 200	Flexible handle	1	
66	130 190	Rivet (to be ordered)	1		88	145 201	Handle supports	2	
67	142 148	Undulated washer (to be ordered).	1		89	145 202	Handle strap	1	
	130 192	Complete saddle locking equipment	1		90	141 141	Square nut	4	
68	130 193	Gudgeon	1		91	143 166	Screw PH 4×7 TR	4	
69	130 194	Spring	1		92	145 205	Rubber rectangle	2	
70	142 151	Washer 5.3	1		93	145 206	Reinforcing plate	2	
71	143 171	Milled screw 5×12	1		94	143 162	Screw PH - FB 90 - 6×15	4	
72	130 195	Cover	1		95	142 122	Notched washer	4	
73	130 196	Grooved rivet	1		96	141 123	Nut H 6	4	
74	130 197	Blocking pin	1		97	145 305	Stirrup support for rear footrests (left)	1	
	134 100	Front saddle complete with cup, cushion, cover	1		98	145 306	Stirrup support for rear footrests (right)	1	
75	134 101	Saddle cup	1		99	145 300	Foot rest (left)	1	
76	134 106	Upper half hinge	1		100	145 301	Foot rest (right)	1	
77	134 110	Saddle cushion	1						
78	134 120	Cover	1						

Plate 7 — BODYWORK

Fig.	Serial Nr.	DESCRIPTION	No	Remarks	Fig.	Serial Nr.	DESCRIPTION	No	Remarks
101	143 123	Screw H 6×18 to fix stirrup	4		109	143 181	Plate screw TB - 2.9×6.5	2	
102	142 107	Washer M 6	10		110	130 198	Tank straps, to be soldered when mounting	2	
103	142 122	Toothed washer ø 6.4	10						
96	141 104	Nuts H 6	6		111	130 155	Felt 125×25×6	2	
104	145 400	Housing grills (rear)	2		112	126 117	Support	1	
50	143 161	Screw PH - FB 90 - 4×12	4		113	126 118	Front (MANURHIN) badge	1	(luxe)
52	141 101	Nuts H 4	4		114	144 105	Round heat rivet	2	
45	142 141	Washers W 4	12		115	144 123	Rubber washer	2	
105	143 160	Screw PH - FB 90 - 4×25	8		116	126 120	Rubber facing	1	
106	145 401	Fixing flange for grills	8			130 132	Anti dust flap (rubber)	1	
107	145 402	Protective rubber pad	8			130 129	Flap fixing plate	1	
19	142 104	Washer ø 4.3	8			143 109	Screw H 4×10	2	
52	141 101	Nut H 4	8			142 104	Washer ø 4,3	2	
108	139 205	Maker's plate	1			141 101	Nut H 4	2	

HUB - FRONT WHEEL

PLANCHE 8

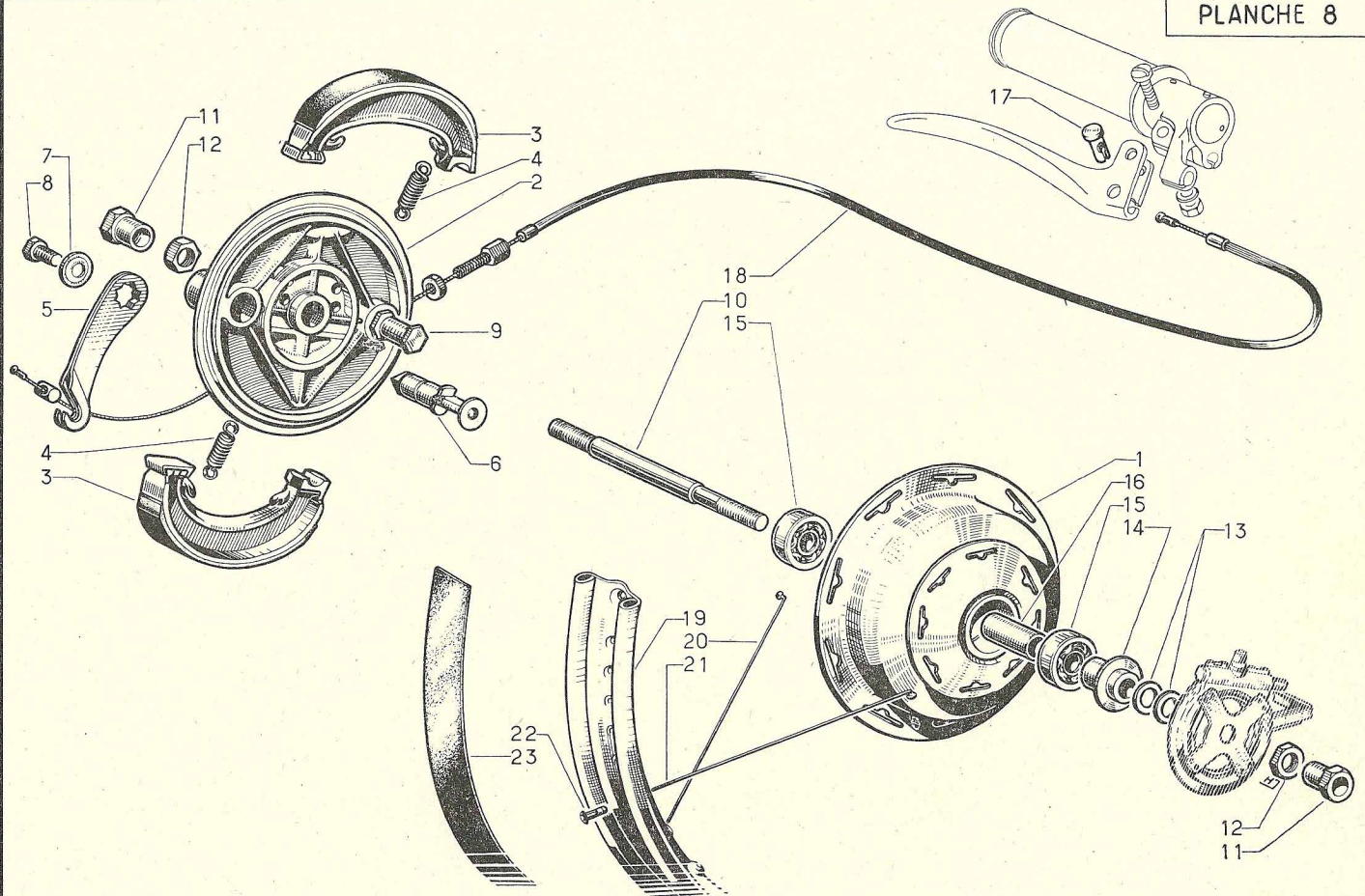


Plate 8 — HUB - FRONT WHEEL

Fig.	Serial Nr.	DESCRIPTION	No	Remarks	Fig.	Serial Nr.	DESCRIPTION	No	Remarks
	133 100	Front wheel complete including rim - spokes - complete hub (no tyres, inner tube or rim base)			19	133 101	Front rim (as rear rim)	1	
	133 110	Front wheel complete including rim - spokes - hub shell with ball bearings and stay between bearings (no brake plate, no tyre, inner tube or rim base).....			20	133 102	Spokes; length 147, gauge 17	18	
					21	133 103	Spokes; length 164, gauge 17	18	
					22	133 104	Spoke nuts	36	
					23	133 113	Rim base (same front and rear) ..	1	
	129 100	Front hub complete							
	129 200	Front hub complete (luxé).....	1						
1	129 101	Hub shell	1						
2	129 102	Brake plate (bare)	1						
3	129 103	Half jaw (lined) 125	2						
4	129 106	Drawback springs.....	2						
5	129 107	Brake control lever.....	1						
6	129 108	Cam	1						
7	129 109	Washer $\varnothing$ 8	1						
8	129 111	Nut H $\varnothing$ 8 for cam.....	1						
9	129 115	Threaded pivot (fixed point)	1						
10	129 120	Front hub spindle	1						
11	129 121	Front wheel fixing nut	2						
12	129 122	Spacing nut.....	2						
13	129 123	Washer	2						
14	129 124	Exterior stay.....	1						
15	129 130	Ball bearing 6 201	2						
16	129 131	Interior stay	1						
17	136 103	Cable stop (as Fig. 58, plate 3) ...	1						
18	136 170	Front brake cable complete w, sheath and adjusting screw....	1						

HUB - REAR WHEEL

PLANCHE 9

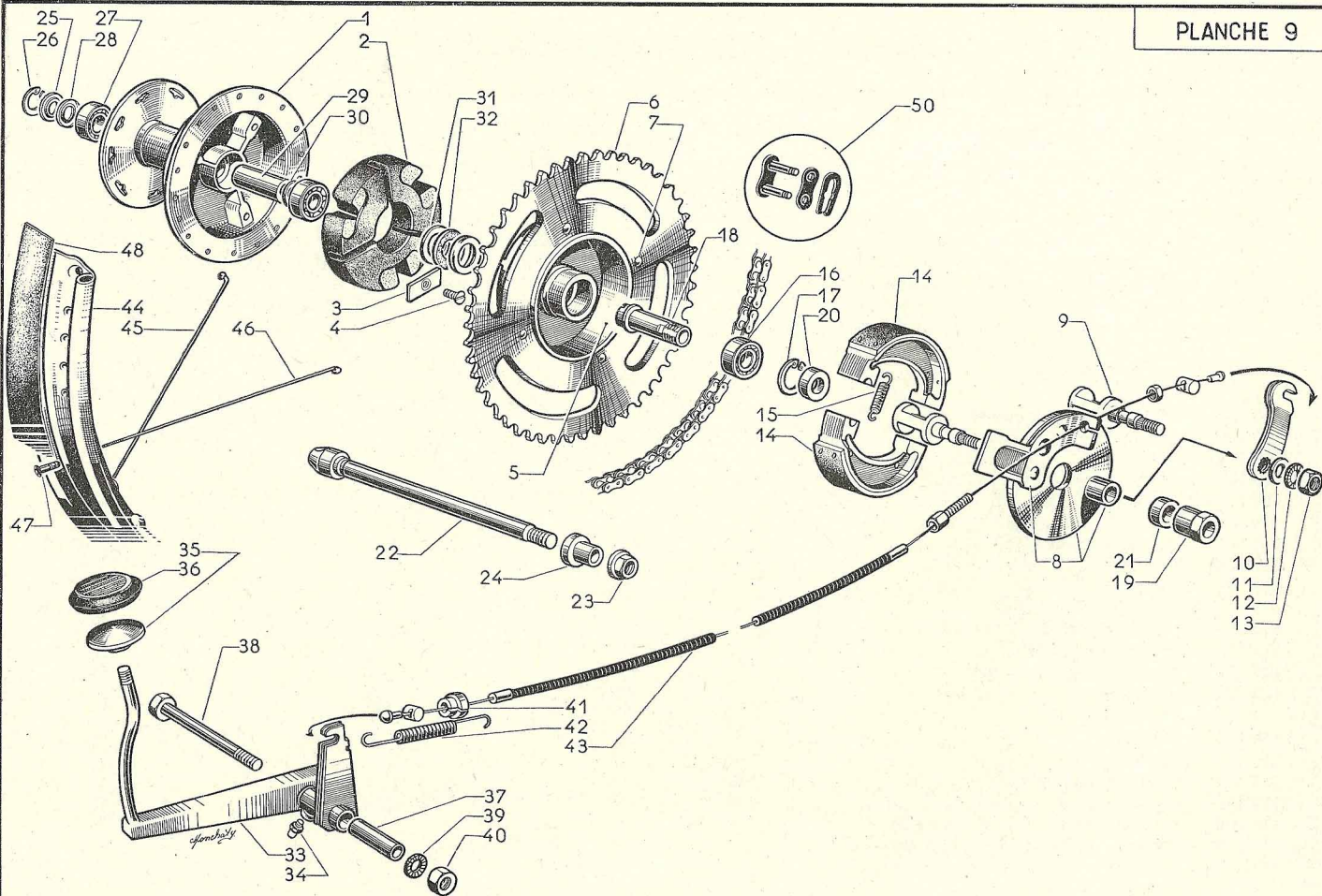


Plate 9 — HUB - REAR WHEEL

Fig.	Serial Nr.	DESCRIPTION	No	Remarks	Fig.	Serial Nr.	DESCRIPTION	No	Remarks
	133 150	Rear wheel complete including : rim - spokes - complete hub with crown 56 teeth and drum, no tyre, inner tube or rim base ...			15	131 120	Drawback spring	2	
					16	131 125	Ball bearings 16.003 or 16.103 (crown side)	1	
	133 151	Rear wheel complete including: rim - spokes - hub shell with ball bearings and driving damper (no rear crown, or tyre, inner tube or rim base)			17	131 126	Circlips 35 l.....	1	
					18	131 127	Hollow drum spindle	1	
					19	131 128	Hollow spindle nut	1	
					20	131 129	Interior stay	1	
					21	131 130	Exterior stay	1	
					22	131 140	Headed pin.....	1	
					23	131 141	Pin nut (fixing outside chain guard)	1	
					24	131 142	Spacing socket	1	
					25	131 143	Pin stay	1	
	131 100	Rear hub complete (with crown and chain)			26	131 144	Circlips 28 l.....	1	
1	131 101	Hub shell	1		27	131 145	Ball bearings 6.001	1	
2	131 102	Driving damper (rubber)	1		28	131 146	Nilos ring	1	
3	131 103	Damper plates	3		29	131 147	Stay between ball bearings	1	
4	131 104	Fixing screws for plates	3		30	131 148	Stay washer	1	
5	131 105	Drum (bare)	1		31	131 150	Dust protector complete with felt ..	1	
6	131 106	Chain crown (56 teeth)	1		32	131 151	Dust protector felt	1	
7	131 107	Fixing rivet for crown on drum	4		33	135 101	Brake pedal (soldered)	1	
8	131 109	Rear brake plate with anchoring cramp - fixed pivot - cam bushing and support adjustment screw			34	144 118	Greaser	1	
					35	135 112	Pedal head	1	
					36	135 114	Pedal rubber	1	
					37	135 115	Brake pedal bearing	1	
					38	143 133	Screw H 8×95	1	
9	131 112	Cam	1		39	142 128	Toothed washer $\varnothing$ 8.4	1	
10	131 113	Cam control lever	1		40	141 109	Nut H 8	1	
11	131 114	Washer $\varnothing$ 8 for lever	1		41	135 116	Spring sheath stop.....	1	
12	131 115	Washer W 8 for lever	1						
13	131 116	Nut H 8	1						
14	131 118	Half jaw lined 105.....	2						

Plate 9 — HUB - REAR WHEEL

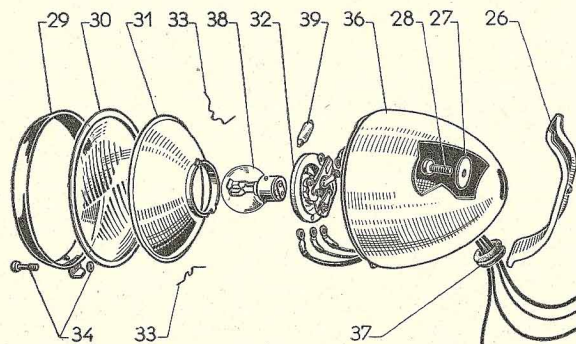
Fig.	Serial Nr.	DESCRIPTION	No	Remarks	Fig.	Serial Nr.	DESCRIPTION	No	Remarks
42	135 151	Drawback spring	1		48	133 113	Rim base (same as front)	1	
43	135 150	Rear brake cable complete w. sheath and adjustment screw	1		49	139 101	Roller chain 102 links	1	
44	133 101	Rear rim (as front rim)	1		50	139 102	Detachable link	1	
45	133 103	Spokes; length 164, gauge 17	18			133 111	Tyre 2.75 × 16	2	
46	133 152	Spokes; length 151, gauge 17	18			133 112	Inner tube	2	
47	133 104	Spoke nuts (as front)	36						

ELECTRICAL EQUIPMENT

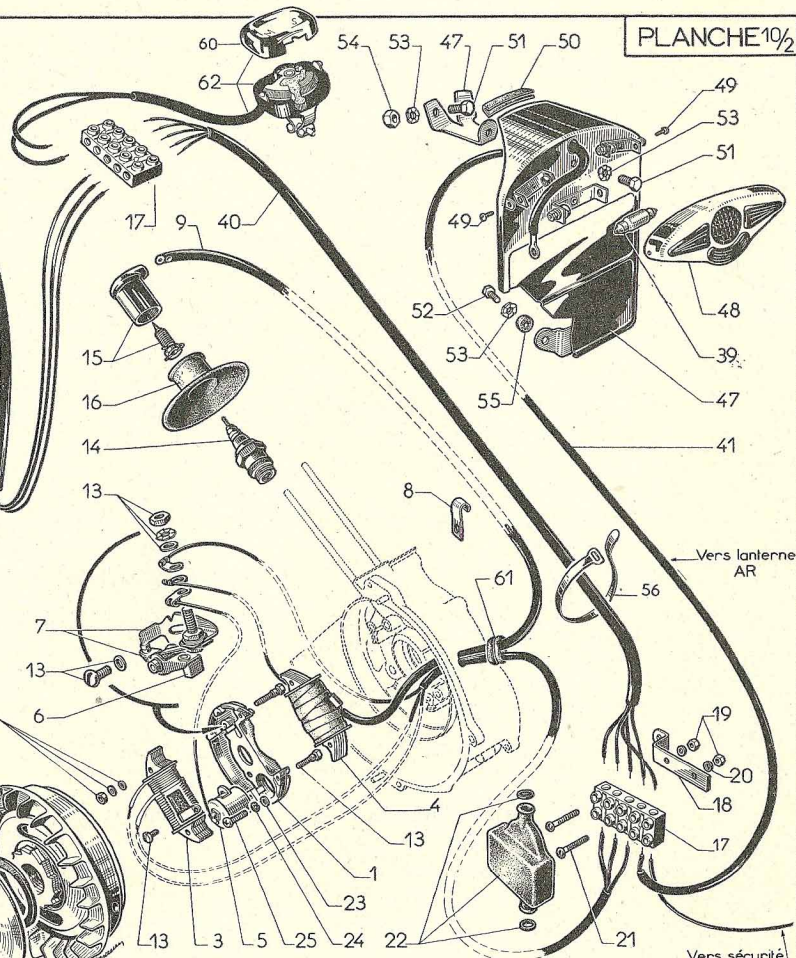
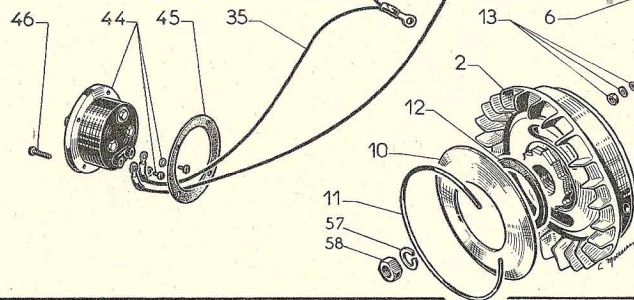
PLANCHE 10 $\frac{1}{2}$

43
42
Commutateur avec faisceaux 7 fils 140.330

Commutateur sans faisceaux de fils 140.133



Projecteur complet 140.100



Vers lanterne AR
Vers sécurité
Voir fig 22 pla:3/2

Plate 10/2 - ELECTRICAL EQUIPMENT

Fig.	Serial Nr.	DESCRIPTION	No	Remarks	Fig.	Serial Nr.	DESCRIPTION	No	Remarks
1	110 100	Flywheel Magneto complete	1		26	140 101	Headlight bracket	1	
	110 102	Stator (bare)	1		27	140 102	Washer (large, domed)	1	
	110 103	Stator with make and break, condenser	1		28	143 155	Screw ML 6×20	1	
2	110 105	Rotor complete	1		29	140 110	Headlight front retaining ring (chromed)	1	
3	110 107	Lighting coil (L.T.)	1		30	140 111	Headlight glass	1	
4	110 108	Ignition coil (H.T.) with spark plug lead	1		31	140 112	Parabolic reflector	1	
5	110 109	Condensor	1		32	140 113	Bulb socket	1	
6	110 110	Cam greaser	1		33	140 114	Set of 6 springs (blocking 29,30 and 31)	1	
7	110 111	Breaker complete	1		34	140 105	Fixing screw of retaining ring with head clip	1	
8	110 112	Cable support	1		35	140 116	Duplex earth wire (headlight and horn)	1	
9	110 114	Spark plug lead	1			140 118	Optical system complete including chromed retaining ring (29), glass (30), reflector (31), set of springs (33), fixing screw (34) ..	1	
10	110 115	Aluminium rotor cover	1		36	140 120	Headlight bowl	1	
11	110 116	Cover lock spring	1		37	140 125	Lead guide	1	
12	110 117	Rubber washer	1		38	140 190	Code-head bulb 25 W	1	
13	110 118	Set of screws etc... for breaker, coils, condensor	1		39	140 191	Interchangeable town and rear bulb 2.7 W	2	
14	110 120	Original plug $\varnothing$ 14	1		140 330		Switch with lead sheath (7 conductors)	1	
15	110 121	Spark plug thimble (bakelite cap) ..	1			130 231	Lead sheath (5 conductors)	1	
16	110 122	Rubber cap	1		40	140 132	Lead to rear light	1	
17	110 225	Terminal plate 5 connections	2		41	140 133	Switch without lead sheath	1	
18	110 226	Terminal plate bracket	1		42	140 136	Chromed cover to switch	1	
19	111 109	Nut H 2	2		42A	140 336	Chromed cover with catch	1	
20	112 110	Washers $\varnothing$ 2	2		43	140 137	Fixing screw for cover	1	
21	113 121	Screw TR 2×12	2						
22	110 123	Terminal plate cover (rubber)	1						
23	112 104	Washer 4.3×8 (stator adjustment) ..	2						
24	112 147	Washer W $\varnothing$ 4 { Stator	2						
25	113 102	Screw PH 4×18 { adjustment	2						
	140 100	Headlight complete (optical system and bowl)	1						

Plate 10/2 - ELECTRICAL EQUIPMENT

Fig.	Serial Nr.	DESCRIPTION	No	Remarks	Fig.	Serial Nr.	DESCRIPTION	No	Remarks
44	140 160	Horn 12 V	1		53	142 119	Toothed washer	5	
	140 161	Horn 6 V (up to frame nr 1311)...	1		54	141 102	Nut H 5.....	2	
45	140 162	Rubber washer	1		55	140 145	Rubber washer	2	
46	143 101	Screw FB 3×10	4		56	140 134	Cable fastener	3	
47	144 140	Complete rear plate.....	1		57	112 150	Washer W 10	1	
48	140 141	Rear light cover (chromed).....	1		58	111 103	Nut H 10.....	1	
49	140 142	Screw to attach cover.....	2		60	140 236	Chromed cover with catch	1	
50	140 143	Rubber block	1		61	102 112	Lead guide (rubber).....	1	
51	143 111	Screw H 5×8	3		62	140 230	Safety switch with sheath (2 conduc- tors)	1	
52	143 110	Screw H 5×12	2						

ELECTRICAL EQUIPMENT (Separate coil)

PLANCHE 10/3

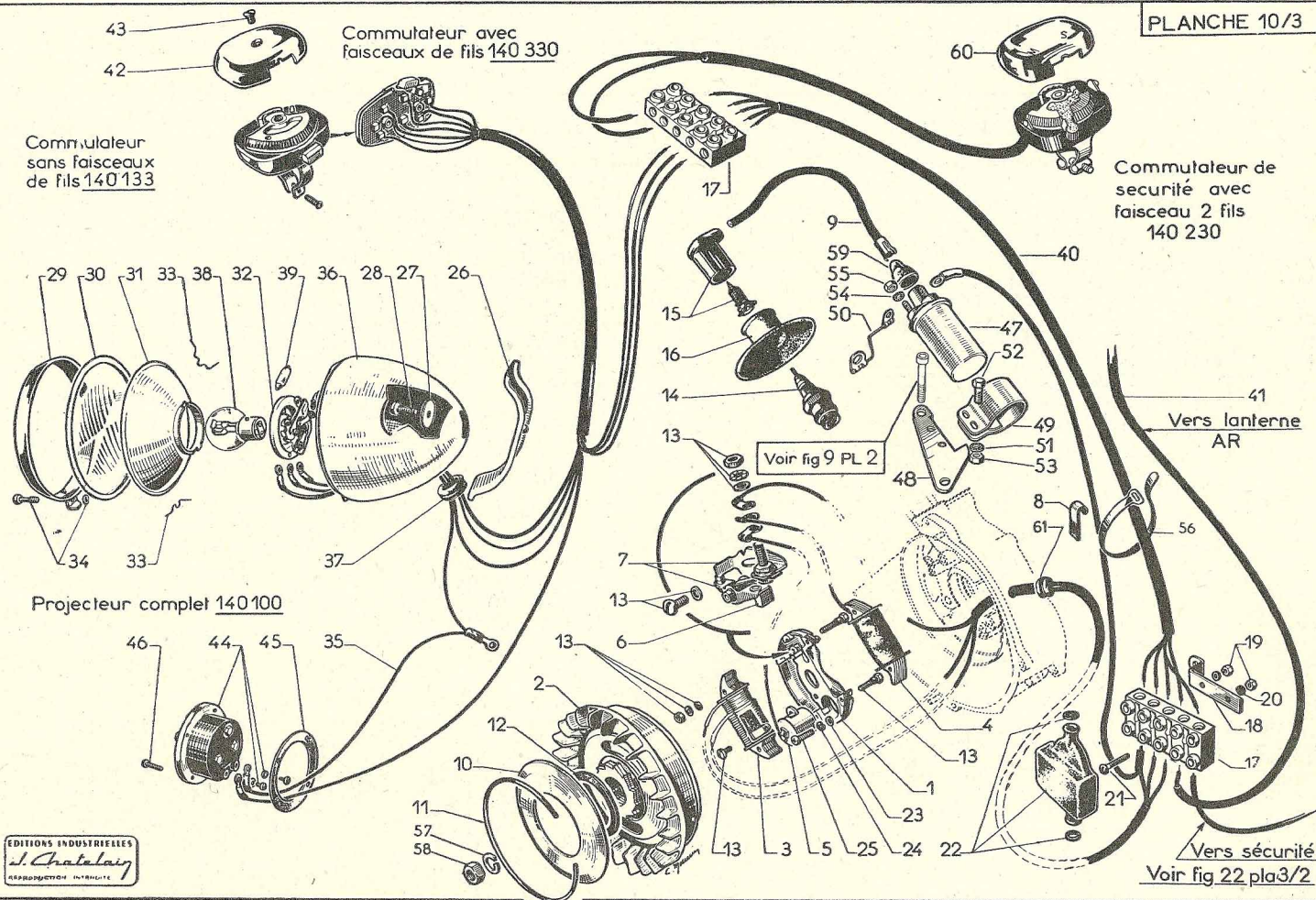


Plate 10/3 - ELECTRICAL EQUIPMENT

(Separate coil)

Fig.	Serial Nr.	DESCRIPTION	No	Remarks	Fig.	Serial Nr.	DESCRIPTION	No	Remarks
1	110 100	Flywheel magneto complete	1		20	112 110	Washer $\varnothing$ 2	2	
	110 102	Stator (bare)	1		21	113 121	Screw TR 2 $\times$ 12	2	
	110 103	Stator equipped with coils, make and break and condenser	1		22	110 123	Terminal plate cover (rubber)....	1	
	110 200	Flywheel magneto complete with separate HT coil, cone 1/7.5... ..	1		23	112 104	Washer 4.3 $\times$ 8 } Stator	2	
	110 300	Flywheel magneto complete with separate HT coil, cone BNA 15 %	1		24	112 147	Washer W $\varnothing$ 4 } adjustment	2	
2	110 105	Rotor complete	1		25	112 102	Screw PH 4 $\times$ 18	2	
2	110 205	Rotor complete, cone 1/7.5	1			140 100	Headlight complete (optical system and bowl)	1	
	110 203	Stator (equipped)	1		26	140 101	Headlight bracket	1	
2	110 305	Rotor complete, cone BNA 15 %..	1		27	140 102	Washer (large, domed)	1	
3	110 107	Lighting coil (LT)	1		28	143 155	Screw ML 6 $\times$ 20	1	
4	110 204	Primary ignition coil	1		29	140 110	Headlight front retaining ring (chromed)	1	
5	110 119	Condenser	1		30	140 111	Headlight glass	1	
6	110 110	Cam greaser	1		31	140 112	Parabolic reflector	1	
7	110 111	Breaker complete	1		32	140 113	Bulb socket	1	
8	110 112	Cable support	1		33	140 114	Set of 6 springs (blocking 29, 30, 31)	1	
9	110 214	Spark plug lead	1		34	140 105	Fixing screw of retaining ring with head clip	1	
10	110 115	Aluminium rotor cover	1		35	140 116	Duplex earth wire (headlight-horn)	1	
11	110 116	Cover lock ring	1			140 118	Optical system complete including chromed retaining ring (29), glass (30), reflector (31), set of springs (33), fixing screw (34)..	1	
12	110 117	Rubber washer	1		36	140 120	Headlight bowl	1	
13	110 118	Set of screws for breaker, coils, condenser	1		37	140 125	Lead guide (bowl)	1	
14	110 120	Original plug $\varnothing$ 14	1		38	140 190	Code-head bulb 25 W	1	
15	110 121	Spark plug thimble (bakelite cap). ..	1		39	140 191	Interchangeable town and rear bulb 2.7 W	2	
16	110 122	Rubber cap	1						
17	110 225	Terminal plate 5 connections	2						
18	110 126	Terminal plate bracket	1						
19	111 109	Nut H 2	2						

Plate 10/3 - ELECTRICAL EQUIPMENT

(Separate coil)

Fig.	Serial Nr.	DESCRIPTION	No	Remarks	Fig.	Serial Nr.	DESCRIPTION	No	Remarks
	140 330	Switch with lead sheath (7 conductors)	1		50	110 213	Earth wire (rigid)	1	
40	140 231	Lead sheath (5 conductors)	1		51	112 125	Washer with notches	2	
41	140 132	Lead to rear light	1		52	113 111	Screw H 5 × 16	2	
	140 133	Switch without lead sheath	1				Fixing of coil on support		
42	140 136	Chromed cover for switch	1		53	111 105	Nut H 5	2	
42A	140 336	Chromed cover with catch (for 140 130 or 140 330)	1				Set for HT coil		
43	140 137	Fixing screw for cover	1		54		Washer ∅ 5,3	2	
44	140 160	Horn 12 V	1		55	110 219	Nut H 5	2	
	140 161	Horn 6 V (up to Nr 1311)	1		56	140 134	Cable fastener	3	
45	140 162	Rubber washer	1		57	112 150	Washer W 10	1	
46	143 101	Screw FB 3 × 10	4		58	111 103	Nut H 10	1	
47	110 206	H.T. coil (dry)	1		59	110 224	Rubber cap, coil outlet	1	
48	110 104	Coil support	1		60	140 236	Chromed cover with catch for switch	1	
49	110 208	Coil tightening collar	1		61	102 112	Lead guide (rubber)	1	

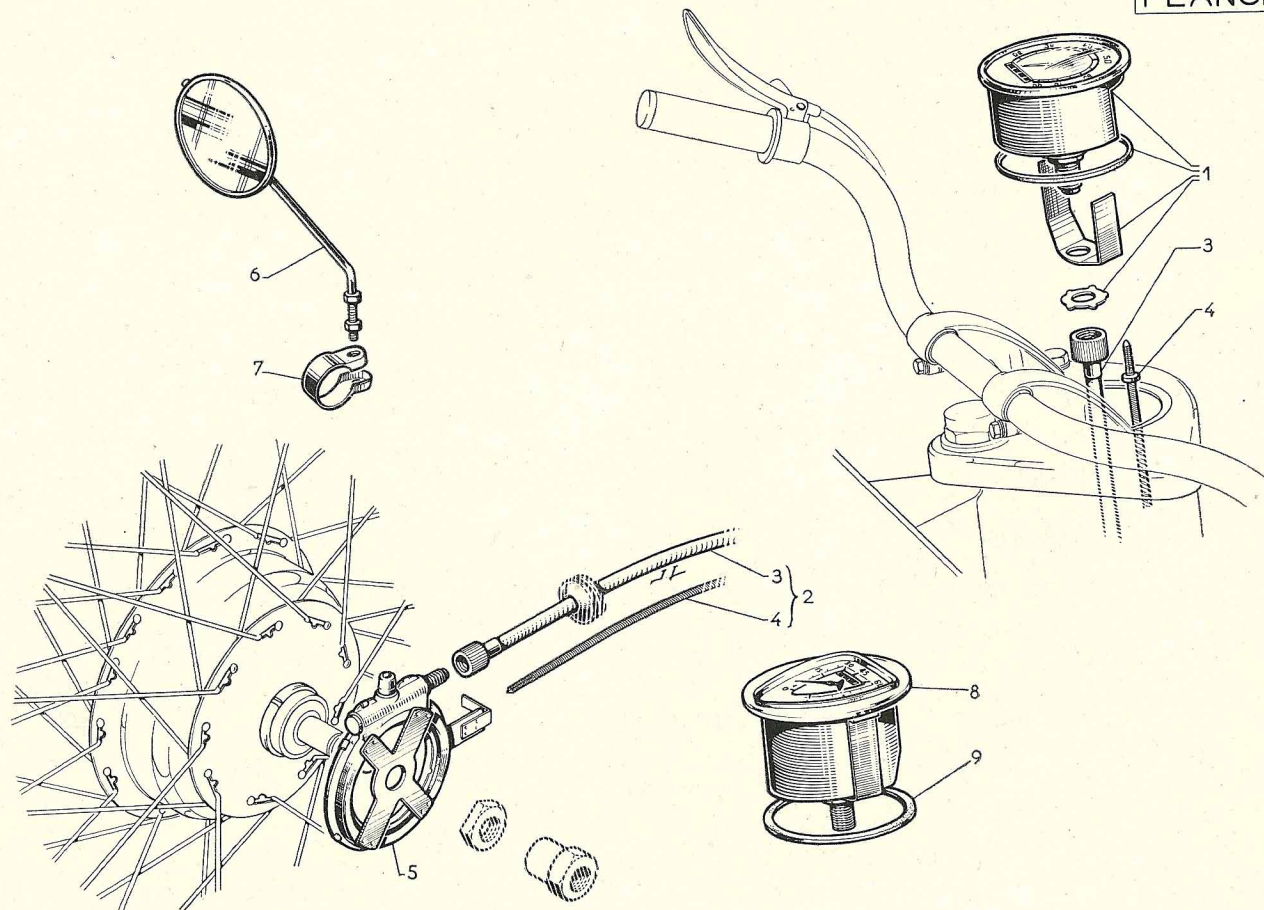


Plate II — MIRROR AND SPEEDOMETER

Fig.	Serial Nr.	DESCRIPTION	No	Remarks	Fig.	Serial Nr.	DESCRIPTION	No	Remarks
1	140 150	Speedometer (indicate make when ordering) Miles or Kilomètres Including washer, fixing stirrup, lock nut			6	140 170	Driving mirror with stem and nuts.	1	
					7	140 171	Fixing clip	1	
2	140 152	Complete transmission cable.			8	140 158	Chromed collar for triangular speedometer only	1	
3	140 153	Sheath			9	140 159	Washer for triangular speedometer	1	
4	140 180	Connection with front wheel...							
5	140 154	Flexible or rigid cable or rod..							
		Indicate make when ordering Miles or Kilomètres	1						
			1						
			1						
			1						

TOOLS

PLANCHE 12

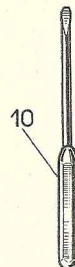
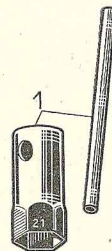
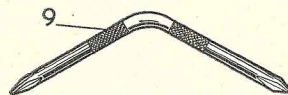
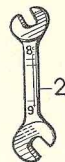
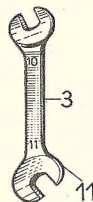
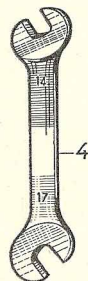
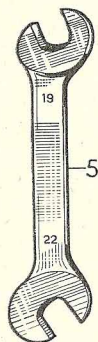
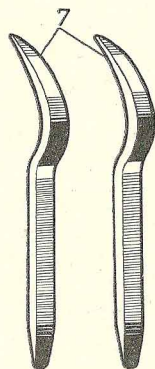
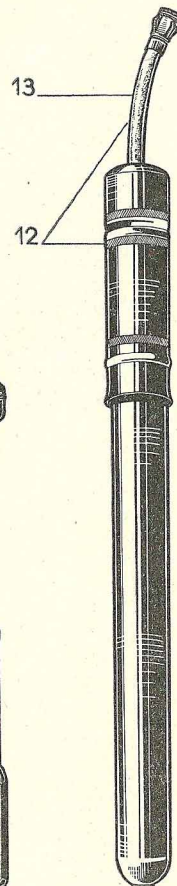
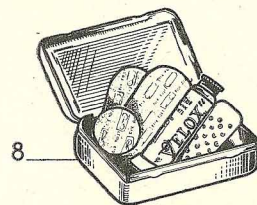
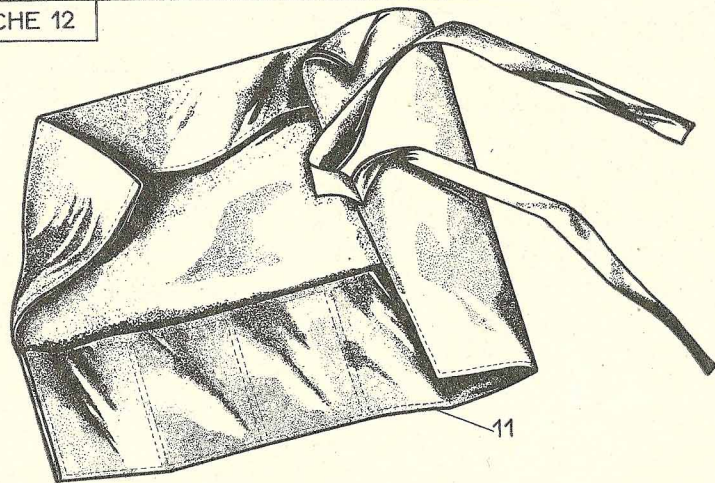


Plate 12 — TOOLS

Fig.	Serial Nr.	DESCRIPTION	No	Remarks	Fig.	Serial Nr.	DESCRIPTION	No	Remarks
1	139 100	Complete set of tools including :			8	139 111	Tyre repair kit	1	
2	139 103	Spark plug spanner 14	1		9	139 113	Screwdrivers Nr. 2 and 3 (for PH screws)	1	
3	139 104	Flat wrench 8×9	1		10	139 114	Screwdriver (normal)	1	
4	139 105	Flat wrench 10×11	1		11	139 115	“Cordoual” tool bag (empty) ...	1	
5	139 106	Flat wrench 14×17	1		12	139 116	Pump	1	
6	139 107	Flat wrench 19×20	1		13	139 117	Pump tube	1	
7	139 108	Pipe wrench 10	1						
	139 110	Tyre removers	2						

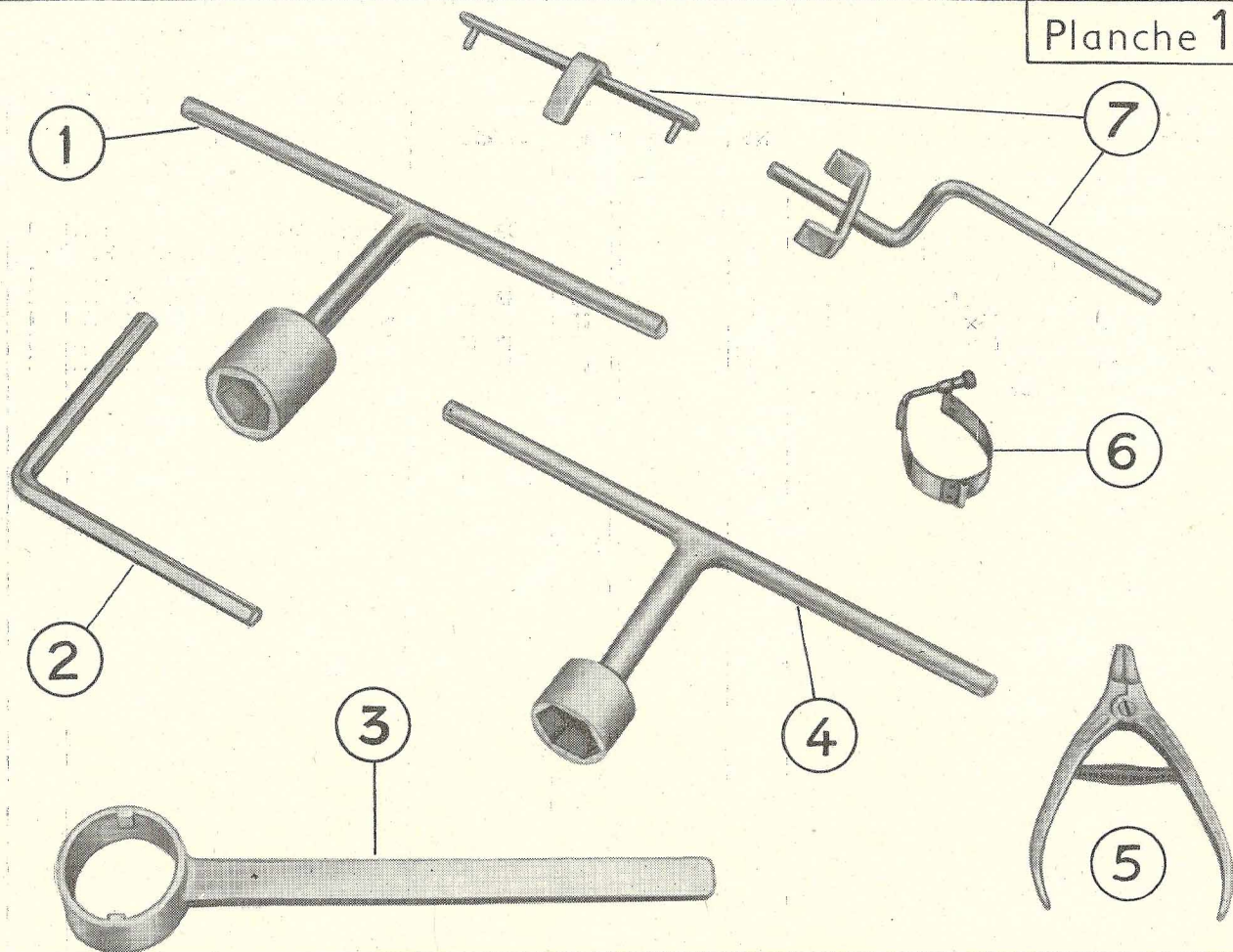


Plate 13 - SPECIAL TOOLS

Fig.	Serial Nr.	DESCRIPTION	No	Remarks	Fig.	Serial Nr.	DESCRIPTION	No	Remarks
1	150 000	Complete set of tools (20 positions)	1		4	150 010	Wrench 32 (steering)	1	
2	150 011	Wrench 36 (steering)	1		5	150 013	Pliers for lock rings	1	
3	150 008	Male wrench 10	1		6	150 014	Ring collar	1	
	150 005	Wrench (flywheel magneto)	1		7	150 004	Handle for starter spring with stop (2 parts)	1	

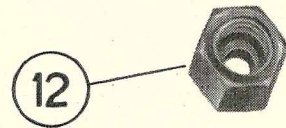
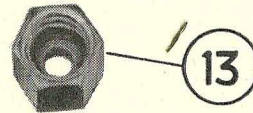
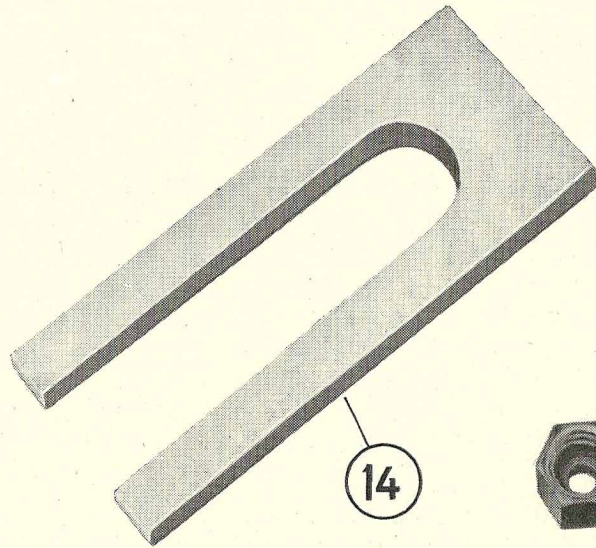
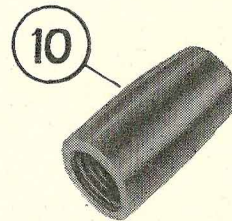
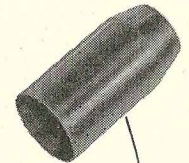
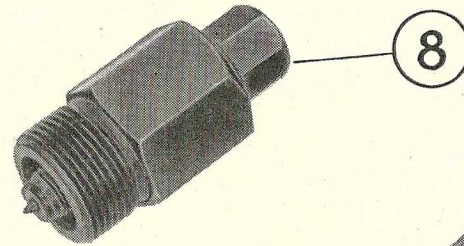
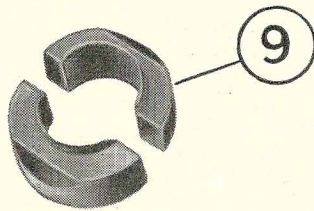


Plate 14 - SPECIAL TOOLS

Fig.	Serial Nr.	DESCRIPTION	No	Remarks	Fig.	Serial Nr.	DESCRIPTION	No	Remarks
8	150 001	Magneto flywheel extractor	I		12	150 016	Pressure cap 10×100	I	
9	150 020	Ring for introduction of spiral joint.	I		13	150 015	Pressure cap 12×150	I	
10	150 012	Cone for fitting of lock rings	I		14	150 006	Crankshaft adjusting shim.....	I	
11	150 019	Spiral joint socket	I						

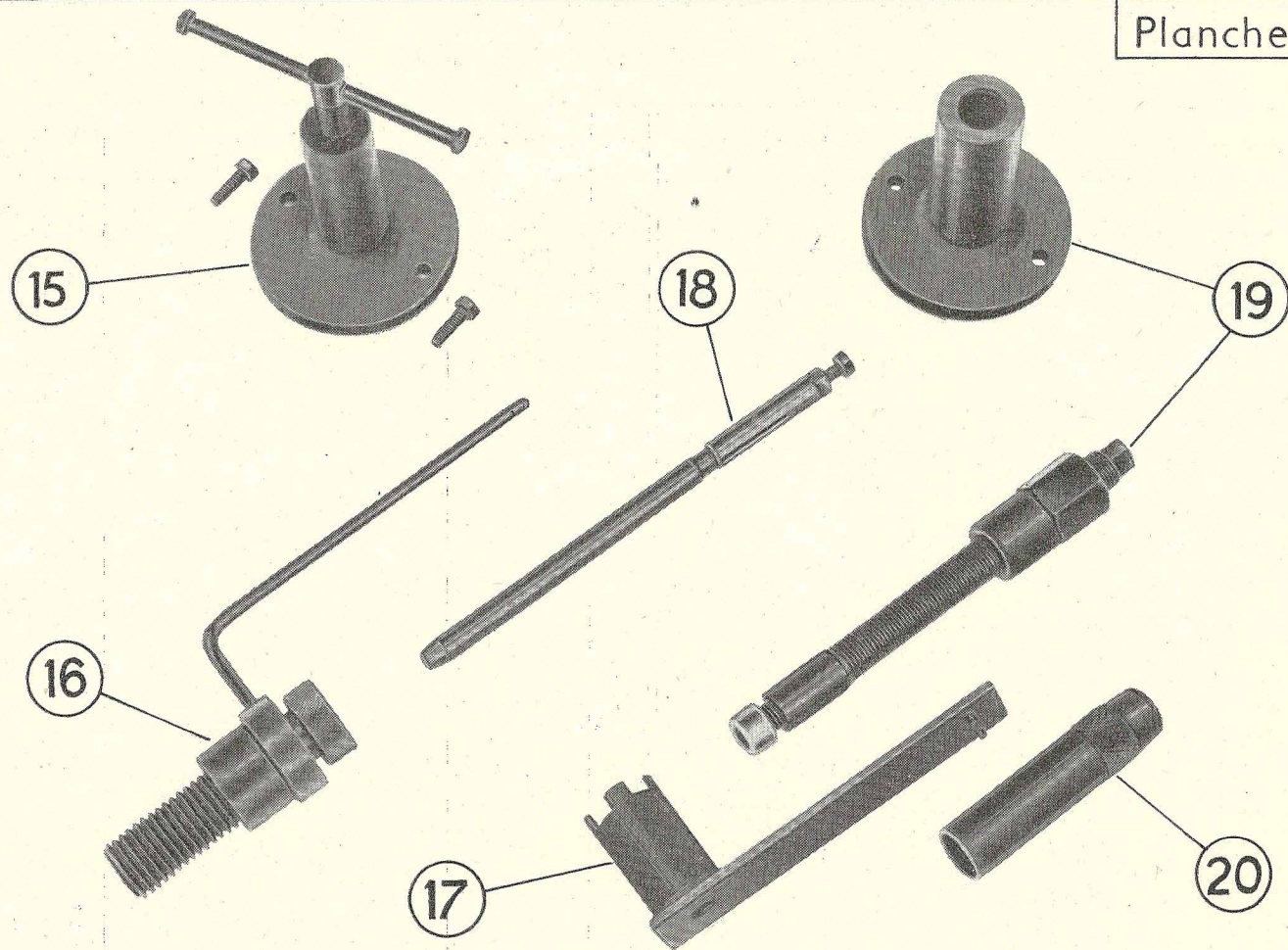
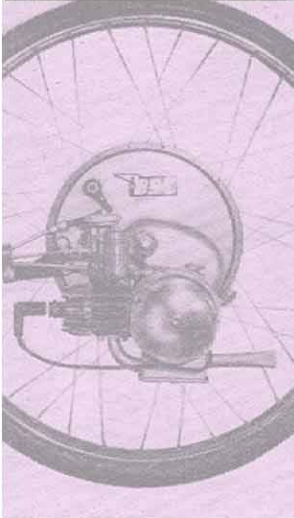


Plate 15 - SPECIAL TOOLS

Fig.	Serial Nr.	DESCRIPTION	No	Remarks	Fig.	Serial Nr.	DESCRIPTION	No	Remarks
	1								
15	150 002	Casing extractor (supplied with 2 screws H)	1		18	150 017	Bearing extractor (rear hub)	1	
16	150 009	Spring compressor (2 parts)	1		19	150 003	Tool for assembly of connecting- rod bearings	1	
17	150 007	Special wrench for variator	1		20	150 018	Punch for lock rings	1	
						150 030	Pliers for runner spring	1	

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