



MOTORCYCLE SPARE PARTS LIST

R-50 thru R-69 S

BMW R50 thru R69S

CHASSIS NUMBERS & MODEL TYPES

BMW R 50	1955-1960	550 006 – 563 515
BMW R 60	1956-1960	618 001 – 621 530
BMW R 69	1955-1960	652 001 – 654 955
BMW R50/2	1960-1969	630 001 – 649 037
BMW R60/2	1960-1969	622 001 – 630 000
BMW R50 S	1960-1961	564 001 – 565 634
BMW R69 S	1960-1969	655 001 – 666 320

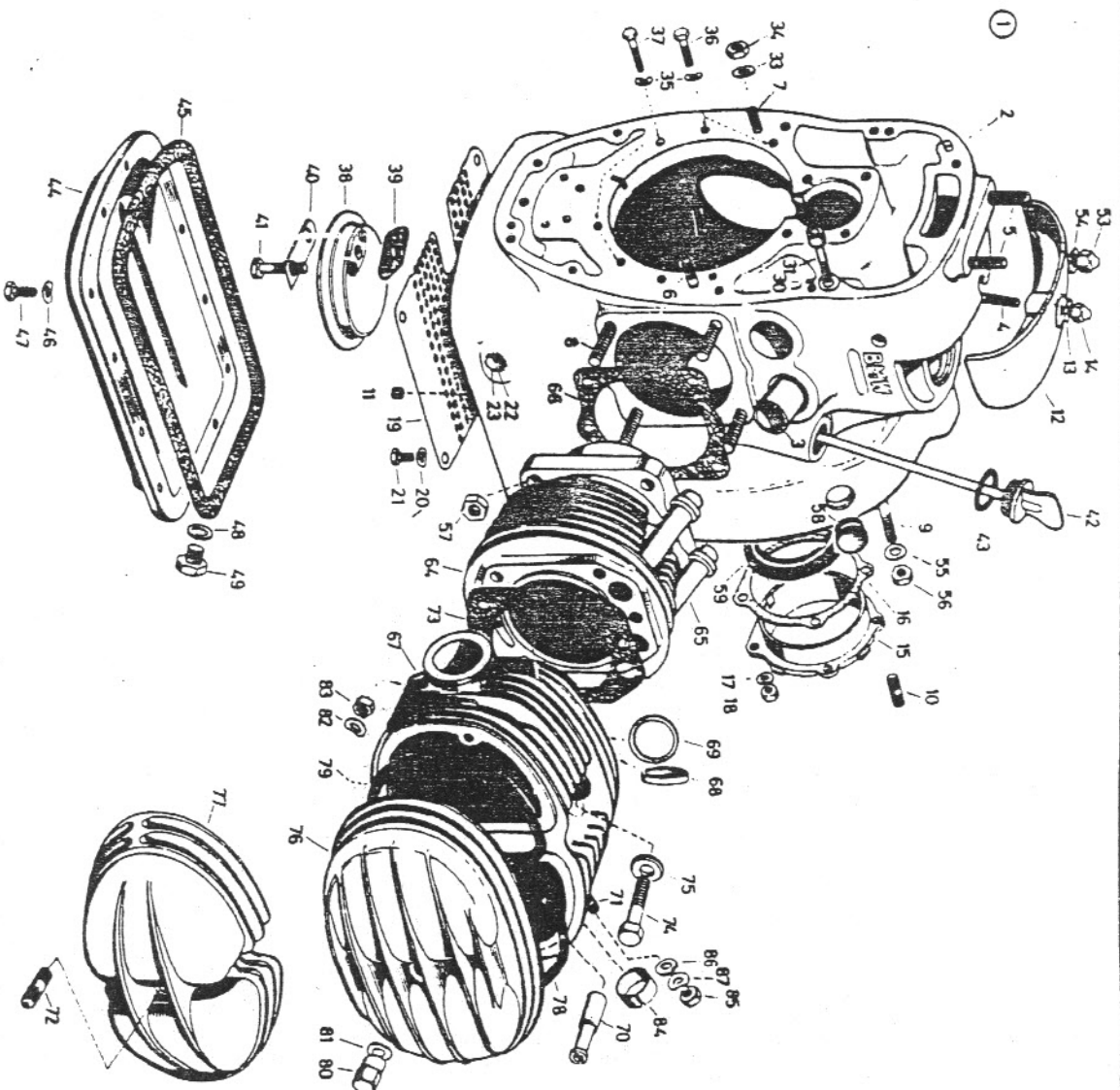
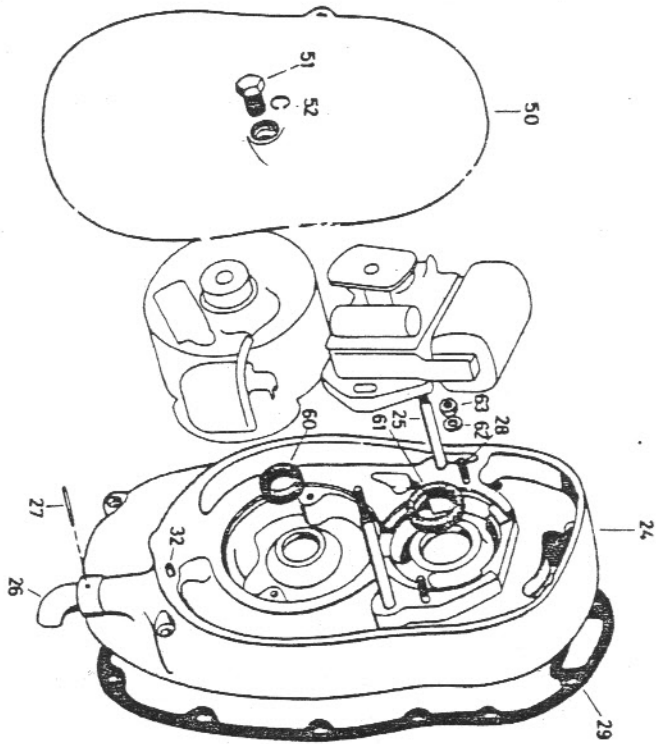
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R 50 60

R 50/2 60/2

R 50 S

R 69

R 69 S

Motor - Motorgehäuse
 Engine - Engine housing
 Moteur - Carter de moteur

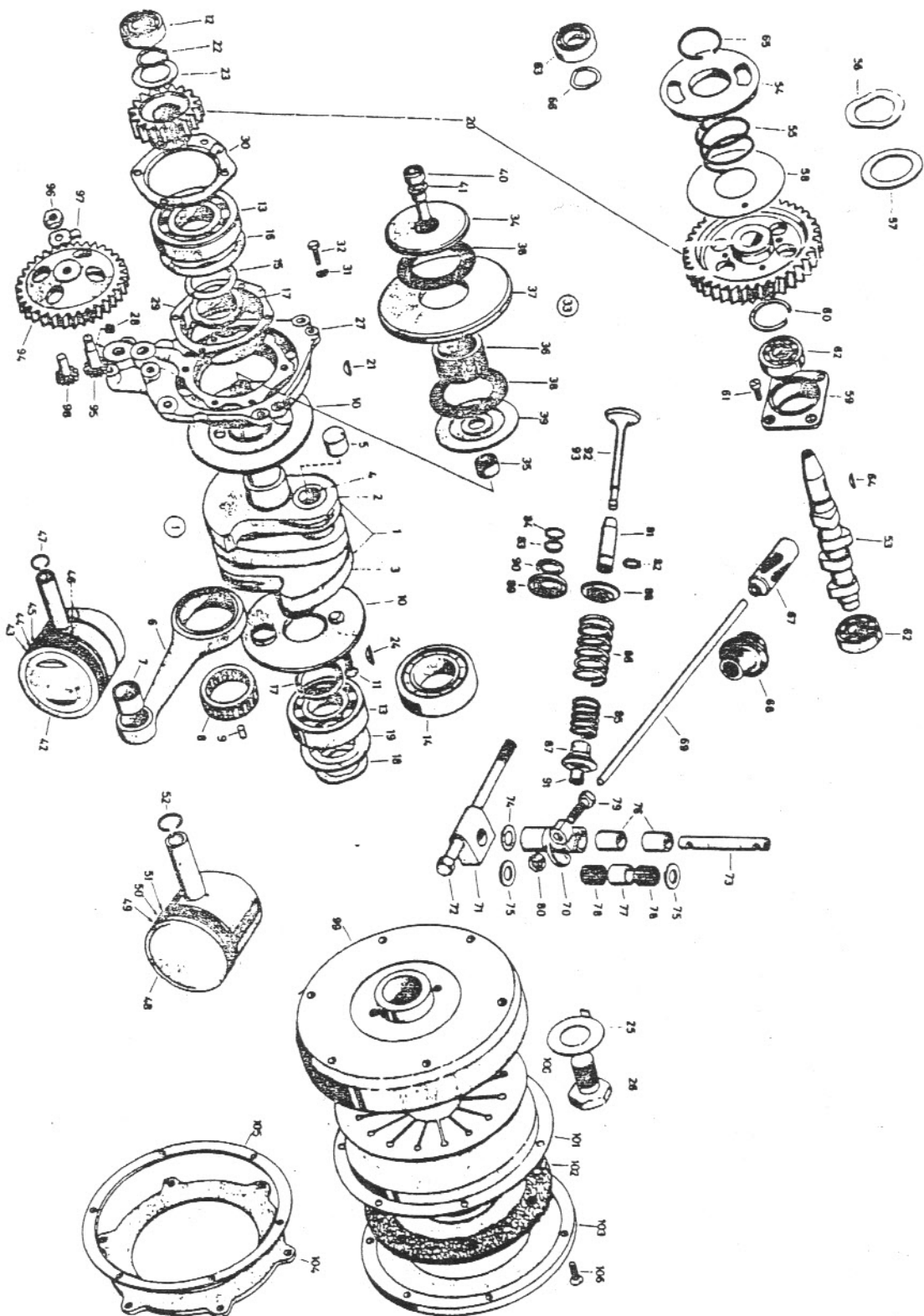
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1/27

		R 50	R 50/2	R 50S	R 60	R 60S	Denomination of parts			R 50	R 50/2	R 50S	R 60	R 60S	Denomination of parts
1	11 00 0000035	-	-	-	-	1	Engine Kpl.	24	11 14 0002031	-	-	-	-	-	Gear case cover with studs and breather pipe
1	11 00 0000035	-	1	-	-	-	Engine Kpl.	25	11 11 0001177	2	2	2	2	2	Studs (E) f. front end cover
1	11 00 0000034	-	1	-	-	-	Engine Kpl.	26	11 15 0002166	1	1	1	1	1	Breather pipe
							Engine housing	27	07 11 9943024	1	1	1	1	1	Grooved dowel pin 2 x 24 for breather pipe
2	11 11 0001031	1	-	-	-	-	Engine housing with studs, cover, bearing bush a screen plate	28	07 11 9903190	2	2	2	-	2	Stud M6 x 16 Sn 4-5S cad. (E) f. battery breaker or/and magneto mount
2	11 11 0001032	-	1	1	1	1	Engine housing with studs, cover, bearing bush a screen plate	28	07 11 9903196	-	-	-	2	-	Stud M6 x 18 Sn 4-5D cad. (E) for magneto mount
3	11 11 0001188	4	-	-	-	-	Toppet guide bushing	29	11 11 0002172	1	1	1	1	1	Gasket between gear case cover and engine housing
3	11 11 0001189	-	4	4	4	4	Toppet guide bushing	30	07 11 9931650	12	12	12	12	12	Washer 6,4 cad. f. gear case cover mount
4	11 11 0001180	1	1	1	1	1	Stud (E) f. cover, top	31	07 11 9919937	12	12	12	12	12	Allen head hex. screw M6 x 40-8 G. cad.
5	11 11 0001182	2	2	2	2	2	Stud (E) f. engine support, top	32	07 11 9941375	1	1	1	1	1	Mounting tie pin 5 x 16 for front end cover mount
6	11 11 0001186	1	1	1	1	1	Stud (E) f. bearing housing mount								
7	07 11 9903306	1	3	3	3	3	Stud M8 x 18 Sn 4-8 G phr. block (E) f. bearing hous. mount								
8	07 11 9903416	8	8	8	8	8	Stud M10 x 22 Sn 4-8 G phr. block (E) f. cylinder mount								
9	07 11 9903325	3	3	3	3	3	Stud M8 x 25 Sn 4-5S cad. (E) f. transmission housing mount								
10	11 11 0001184	5	5	5	5	5	Stud (E) to mount rear bearing bush								
11	11 11 0001110	1	1	1	1	1	Plug screw for oil canal	33	07 11 9932091	2	4	4	4	4	For bearing cover on engine housing (bearing cover see illustration table 2)
12	11 14 0002152	1	1	1	1	1	Upper cover on engine housing	34	07 11 9922082	2	4	4	4	4	Lock washer B 8
13	07 11 9932070	1	1	1	1	1	Lock washer 3 6 cad.	35	07 11 9932071	7	6	6	6	6	Hex. nut M8-6 S phr. black
14	11 14 0002193	1	1	1	1	1	Cap nut	36	07 11 9912249	4	2	2	2	2	Lock washer B 6
							Rear bearing bush on engine housing	37	07 11 9912266	3	4	4	4	4	Hex. screw M6 x 22-8 G phr. black
15	11 11 0001162	1	-	-	-	-	Rear bearing bush f. crankshaft								
15	11 11 0001163	-	1	1	1	1	Rear bearing bush f. crankshaft	38	11 41 0052139	1	1	1	1	1	Oil screen for oil pump on engine housing
16	11 11 0001164	1	1	1	1	1	Gasket	39	11 41 0052527	1	1	1	1	1	Oil screen
17	07 11 9932071	5	5	5	5	5	Lock washer B 6	40	11 41 0052130	1	1	1	1	1	Gasket between oil screen and engine housing
18	07 11 9922054	5	5	5	5	5	Hex. nut M6-6 S phr. black	41	07 11 9912266	2	2	2	2	2	Locking plate f. oil screen
							Screen plate on engine housing								Hex. screw M6 x 28-8 G phr. black
20	07 11 9932071	4	4	4	4	4	Lock washer B 6	42	11 43 0009127	1	1	1	1	1	Oil lever gauge (Dip stick)
21	07 11 9913425	4	4	4	4	4	Hex. screw M6 x 10-8 G phr. black	43	07 11 9963437	1	1	1	1	1	Oil lever gauge (dip stick) with plug and gasket
							Sealing of drill hole for engine mount								Gasket C 26 x 32 steel asbestos
22	11 11 0001158	X	X	X	X	X	Sealing tube								Oil pan on engine housing
23	11 11 0002112	X	X	X	X	X	Seal ring	44	11 13 0007029	1	1	1	1	1	Oil pan with threaded pipe and inset plate
							Gear case cover on engine hous.								

		R					Denomination of parts			R					Denomination of parts
		50	50/2	50/2	50/2	50/2				50	50/2	50/2	50/2	50/2	
45	11 13 0007156	1	1	1	1	1	Gasket for oil pan								Cylinder and cylinder head
46	07 11 9932071	12	12	12	12	12	Lock washer B 6								Cylinder with oil drain pipe and protection tube
47	07 11 9913457	12	12	12	12	12	Hex. screw M6 x 15-8 G. phr. black								Cylinder with oil drain pipe and protection tube
48	07 11 9963242	1	1	1	1	1	Gasket (seal ring) C 14 x 20 steel								Cylinder with oil drain pipe, protection tube and ring
49	11 13 0007104	1	1	1	1	1	asbestos for drain plug								Cylinder with oil drain pipe, protection tube and ring
49	11 13 0007106	1	1	1	1	1	Oil drain plug with 0,1 mm oversize thread								Protection tube
49	11 13 0007161	1	1	1	1	1	Oil drain plug								Protection tube
49	11 13 0007160	1	1	1	1	1	Oil drain plug with 0,1 mm oversize thread								Protection tube
50	11 14 0002181	1	1	1	1	1	Protection cover on gear case								Gasket between engine housing and cylinder
50	11 14 002179	1	1	1	1	1	cover A for vehicle with vibration damper								Cylinder head
51	11 14 0002191	2	2	2	2	2	Protection cover on gear case cover A								Cylinder head with spark plug bushing, long valve guide bearings, valve seat rings, sleeve and studs
52	16 11 4080160	2	2	2	2	2	Hex. nut f. protection cover								Cylinder head with spark plug bushing, long valve guide bearings, valve seat rings, sleeve and studs
53	46 62 5096152	2	2	2	2	2	Snob ring f. protection cover								Cylinder head with spark plug bushing, long valve guide bearings, valve seat rings, sleeve and studs
							Attachment for engine mounting top								Cylinder head with spark plug bushing, long valve guide bearings, valve seat rings, sleeve and studs
							Cap nut								Cylinder head with spark plug bushing, long valve guide bearings, valve seat rings, sleeve and studs
							Transmission and gear mounting								Cylinder head with spark plug bushing, long valve guide bearings, valve seat rings, sleeve and studs
55	07 11 9931065	3	3	3	3	3	Washer 8,4 cad. f. gear housing mount								Cylinder head with spark plug bushing, long valve guide bearings, valve seat rings, sleeve and studs
54	07 11 9922081	3	3	3	3	3	Hex nut M8-6 S cad. for gear housing mount								Cylinder head with spark plug bushing, long valve guide bearings, valve seat rings, sleeve and studs
57	11 11 0001104	8	8	8	8	8	Hex. nut f. cylinder mount								Cylinder head with spark plug bushing, long valve guide bearings, valve seat rings, sleeve and studs
58	11 11 0001106	1	1	1	1	1	Seals								Cylinder head with spark plug bushing, long valve guide bearings, valve seat rings, sleeve and studs
59	11 11 0001119	1	1	1	1	1	Plug for timing								Cylinder head with spark plug bushing, long valve guide bearings, valve seat rings, sleeve and studs
59	11 11 0001120	1	1	1	1	1	Seal for flywheel								Cylinder head with spark plug bushing, long valve guide bearings, valve seat rings, sleeve and studs
60	11 14 0002196	1	1	1	1	1	Seal for flywheel								Cylinder head with spark plug bushing, long valve guide bearings, valve seat rings, sleeve and studs
60	11 14 0002197	1	1	1	1	1	Seal for generator journal								Cylinder head with spark plug bushing, long valve guide bearings, valve seat rings, sleeve and studs
61	11 14 0002199	1	1	1	1	1	Radial seal for generator journal								Cylinder head with spark plug bushing, long valve guide bearings, valve seat rings, sleeve and studs
61	11 14 0002193	1	1	1	1	1	Seal f. ignition device hub, magn.								Cylinder head with spark plug bushing, long valve guide bearings, valve seat rings, sleeve and studs
61	11 14 0002193	1	1	1	1	1	Seal f. ignition device hub, magn.								Cylinder head with spark plug bushing, long valve guide bearings, valve seat rings, sleeve and studs
63	07 11 9931043	2	2	2	2	2	Magneto attachment								Cylinder head with spark plug bushing, long valve guide bearings, valve seat rings, sleeve and studs
63	07 11 9922053	2	2	2	2	2	Washer 6,4 cad. f. magneto mount on gear case cover								Cylinder head with spark plug bushing, long valve guide bearings, valve seat rings, sleeve and studs
63	07 11 9922053	2	2	2	2	2	Hex. nut M6-6 S cad. f. magneto mount on gear case cover								Cylinder head with spark plug bushing, long valve guide bearings, valve seat rings, sleeve and studs
63	07 11 9922053	2	2	2	2	2	Hex. nut M6-6 S cad. f. magneto mount on gear case cover								Cylinder head with spark plug bushing, long valve guide bearings, valve seat rings, sleeve and studs
64	11 11 0010027	2	2	2	2	2	Magneto attachment								Cylinder head with spark plug bushing, long valve guide bearings, valve seat rings, sleeve and studs
64	11 12 0010031	2	2	2	2	2	Washer 6,4 cad. f. magneto mount on gear case cover								Cylinder head with spark plug bushing, long valve guide bearings, valve seat rings, sleeve and studs
64	11 11 0010034	2	2	2	2	2	Hex. nut M6-6 S cad. f. magneto mount on gear case cover								Cylinder head with spark plug bushing, long valve guide bearings, valve seat rings, sleeve and studs
65	11 12 0010152	4	4	4	4	4	Hex. nut M6-6 S cad. f. magneto mount on gear case cover								Cylinder head with spark plug bushing, long valve guide bearings, valve seat rings, sleeve and studs
65	11 11 0010165	4	4	4	4	4	Hex. nut M6-6 S cad. f. magneto mount on gear case cover								Cylinder head with spark plug bushing, long valve guide bearings, valve seat rings, sleeve and studs
65	11 11 0010153	4	4	4	4	4	Hex. nut M6-6 S cad. f. magneto mount on gear case cover								Cylinder head with spark plug bushing, long valve guide bearings, valve seat rings, sleeve and studs
66	11 11 0010161	2	2	2	2	2	Hex. nut M6-6 S cad. f. magneto mount on gear case cover								Cylinder head with spark plug bushing, long valve guide bearings, valve seat rings, sleeve and studs
67	11 12 0021023	1	1	1	1	1	Hex. nut M6-6 S cad. f. magneto mount on gear case cover								Cylinder head with spark plug bushing, long valve guide bearings, valve seat rings, sleeve and studs
67	11 12 0021030	1	1	1	1	1	Hex. nut M6-6 S cad. f. magneto mount on gear case cover								Cylinder head with spark plug bushing, long valve guide bearings, valve seat rings, sleeve and studs
67	11 12 0021031	1	1	1	1	1	Hex. nut M6-6 S cad. f. magneto mount on gear case cover								Cylinder head with spark plug bushing, long valve guide bearings, valve seat rings, sleeve and studs
67	11 12 0021029	1	1	1	1	1	Hex. nut M6-6 S cad. f. magneto mount on gear case cover								Cylinder head with spark plug bushing, long valve guide bearings, valve seat rings, sleeve and studs
67	11 12 0021024	1	1	1	1	1	Hex. nut M6-6 S cad. f. magneto mount on gear case cover								Cylinder head with spark plug bushing, long valve guide bearings, valve seat rings, sleeve and studs
67	11 12 0021032	1	1	1	1	1	Hex. nut M6-6 S cad. f. magneto mount on gear case cover								Cylinder head with spark plug bushing, long valve guide bearings, valve seat rings, sleeve and studs
68	11 12 0021110	2	2	2	2	2	Hex. nut M6-6 S cad. f. magneto mount on gear case cover								Cylinder head with spark plug bushing, long valve guide bearings, valve seat rings, sleeve and studs
68	11 12 0021122	2	2	2	2	2	Hex. nut M6-6 S cad. f. magneto mount on gear case cover								Cylinder head with spark plug bushing, long valve guide bearings, valve seat rings, sleeve and studs
69	11 12 0021123	2	2	2	2	2	Hex. nut M6-6 S cad. f. magneto mount on gear case cover								Cylinder head with spark plug bushing, long valve guide bearings, valve seat rings, sleeve and studs
69	11 12 0021114	2	2	2	2	2	Hex. nut M6-6 S cad. f. magneto mount on gear case cover								Cylinder head with spark plug bushing, long valve guide bearings, valve seat rings, sleeve and studs
70	11 12 0022112	8	8	8	8	8	Hex. nut M6-6 S cad. f. magneto mount on gear case cover								Cylinder head with spark plug bushing, long valve guide bearings, valve seat rings, sleeve and studs
70	11 12 0022114	8	8	8	8	8	Hex. nut M6-6 S cad. f. magneto mount on gear case cover								Cylinder head with spark plug bushing, long valve guide bearings, valve seat rings, sleeve and studs
71	11 12 0022110	4	4	4	4	4	Hex. nut M6-6 S cad. f. magneto mount on gear case cover								Cylinder head with spark plug bushing, long valve guide bearings, valve seat rings, sleeve and studs
72	07 11 9903354	2	2	2	2	2	Hex. nut M6-6 S cad. f. magneto mount on gear case cover								Cylinder head with spark plug bushing, long valve guide bearings, valve seat rings, sleeve and studs

		R		R		R		Denomination of parts	
		50	50/2	50/2	50/2	60	60/2		
72	07 11 9903372	-	-	-	2	2	2	Stud M 8 x 50 Sn 4-5 cad. (E)	
73	11 12 0022118	2	2	2	-	-	-	for front and cover	
73	11 12 0022168	-	-	-	2	2	-	Gasket between cyl. and cyl. head	
74	11 12 0022108	-	-	-	4	4	4	Gasket between cyl. and cyl. head	
75	11 12 0022166	-	-	-	4	4	4	Hex. screw for mount of cylin- der head	
76	11 12 0023025	2	2	-	-	-	-	Washer fl. cylinder head moun- ting	
77	11 12 0023024	-	-	2	-	-	-	Protection cover with stud for cylinder head	
77	11 12 0023027	-	-	-	2	2	2	Protection cover with stud for cylinder head	
78	11 12 0023150	2	2	2	-	-	-	Protection cover with stud for cylinder head	
78	11 12 0023152	-	-	-	2	2	2	Gasket between cylinder head and protection cover	
		-	-	-	2	2	2	Gasket between cylinder head and protection cover	
79	07 11 9903209	4	4	4	4	4	4	For mounting of protective cover	
80	11 12 0023160	2	2	2	2	2	2	Stud M 6 x 22 Sn 4-5 D cad. (E)	
81	07 11 9932090	2	2	2	2	2	2	Cap nut	
82	07 11 9932070	8	8	8	8	8	8	Lock washer B 8 cad.	
83	07 11 9922053	4	4	4	4	4	4	Lock washer B 6 cad.	
		-	-	-	-	-	-	Hex. nut M 6-6.5 cad.	
84	11 61 0043168	-	-	2	-	-	2	For the carburetor on cyl. heads	
85	07 11 9922081	4	4	4	4	4	4	Centering bush	
86	07 11 9931655	-	-	4	4	4	4	Hex. nut M 8-6.5 cad.	
87	07 11 9932090	4	4	-	-	-	-	Washer 8, 4 cad.	
		-	-	-	-	-	-	Lock washer B 8 cad.	



Motor — Kurbeltrieb für R 50 - R 60 - R 50/2 und R 50 S
 Engine — Crank drive for R 50 - R 60 - R 50/2 and R 50 S
 Moteur — Embellage pour R 50 - R 60 - R 50/2 et R 50 S

R 50 60
 R 50/2 50/2
 R 50 S
 R 50 S
 R 09 S

	R 50 60	R 50/2 60/2	R 50 S 60	R 60 S	Denomination of parts				R 50 60	R 50/2 60/2	R 50 S 60	R 60 S	Denomination of parts
1	11 21 0016039	—	—	—	Crank drive R 50	1	11 21 0016042	—	—	1	—	—	R 50/2 and R 50 S
4	11 21 0016234	—	—	—	Crankshaft w. connecting rod								Crankshaft with connecting rod
6	11 24 0017701	—	—	—	Crank pin					1	—	—	and cask bearing
7	11 24 0017150	—	—	—	Connecting rod with bushing	1	11 21 0016043	—	—	1	—	—	Crankshaft with connecting rod
8	11 21 0016128	—	—	—	Connecting bushing								
9	11 24 0016180	—	—	—	Roller cage								
9	11 24 0016181	—	—	—	Roller 6,994 Ø								
9	11 24 0016182	—	—	—	Roller 6,996 Ø								
9	11 24 0016183	—	—	—	Roller 6,998 Ø								
9	11 24 0016184	—	—	—	Roller 7,000 Ø standard								
9	11 24 0016185	—	—	—	Roller 7,002 Ø								
9	11 24 0016186	—	—	—	Roller 7,004 Ø								
9	11 24 0016187	—	—	—	Roller 7,006 Ø								
10	11 21 0016216	—	—	—	Roller 7,008 Ø								
11	07 11 9900106	—	—	—	Oil sling ring								
		—	—	—	Countersunk screw M6 x 10-4 S								
		—	—	—	phr. black f. oil sling ring								
4	11 21 0016235	—	—	—		4	11 21 0016241	—	—	2	—	—	Crank pin with cylindr. pinch fit
6	11 24 0017052	—	—	—		6	11 21 0016235	—	—	2	—	—	Crank pin with conical pinch fit
7	11 24 0017150	—	—	—		7	11 24 0017052	—	—	2	—	—	Connecting rod with bushing
		—	—	—						2	—	—	Bushing for piston bolt with
		—	—	—						oversize			
8	11 21 0016125	—	—	—		8	11 21 0016125	—	—	2	—	—	Roller cage
9	11 24 0016821	—	—	—		9	11 24 0016821	—	—	32	32	—	Roller 4,994 Ø
9	11 24 0016822	—	—	—		9	11 24 0016822	—	—	32	32	—	Roller 4,996 Ø
9	11 24 0016823	—	—	—		9	11 24 0016823	—	—	32	32	—	Roller 4,998 Ø
9	11 24 0016824	—	—	—		9	11 24 0016824	—	—	32	32	—	Roller 5,000 Ø
9	11 24 0016826	—	—	—		9	11 24 0016826	—	—	32	32	—	Roller 5,002 Ø
9	11 24 0016827	—	—	—		9	11 24 0016827	—	—	32	32	—	Roller 5,004 Ø
9	11 24 0016835	—	—	—		9	11 24 0016835	—	—	32	32	—	Roller 5,010 Ø
9	11 24 0016836	—	—	—		9	11 24 0016836	—	—	32	32	—	Roller 5,020 Ø
10	11 21 0016219	—	—	—		10	11 21 0016219	—	—	2	2	—	Roller 5,030 Ø
11	07 11 9900106	—	—	—		11	07 11 9900106	—	—	2	2	—	Oil sling
		—	—	—									Countersunk screw AM6 x 10-4
		—	—	—									S phr. black f. oil sling
1	11 21 0016033	—	—	—		1	11 21 0016033	—	—	1	—	—	R 60/2 and R 69 S
1	11 21 0016048	—	—	—		1	11 21 0016048	—	—	1	—	—	Crankshaft with connecting rod
4	11 21 0016243	—	—	—		4	11 21 0016243	—	—	2	—	—	and cask bearing
		—	—	—									Crankshaft with connecting rod
		—	—	—									Crank pin w. cylindr. pinch fit

R 50		R 50/2		R 50/3		R 50/4		R 50/5		R 50/6		R 50/7		R 50/8		R 50/9		R 50/10		R 50/11		R 50/12		R 50/13		R 50/14		R 50/15		R 50/16		R 50/17		R 50/18		R 50/19		R 50/20		R 50/21		R 50/22		R 50/23		R 50/24		R 50/25		R 50/26		R 50/27		R 50/28		R 50/29		R 50/30		R 50/31		R 50/32		R 50/33		R 50/34		R 50/35		R 50/36		R 50/37		R 50/38		R 50/39		R 50/40		R 50/41		R 50/42		R 50/43		R 50/44		R 50/45		R 50/46		R 50/47		R 50/48		R 50/49		R 50/50		R 50/51		R 50/52		R 50/53		R 50/54		R 50/55		R 50/56		R 50/57		R 50/58		R 50/59		R 50/60		R 50/61		R 50/62		R 50/63		R 50/64		R 50/65		R 50/66		R 50/67		R 50/68		R 50/69		R 50/70		R 50/71		R 50/72		R 50/73		R 50/74		R 50/75		R 50/76		R 50/77		R 50/78		R 50/79		R 50/80		R 50/81		R 50/82		R 50/83		R 50/84		R 50/85		R 50/86		R 50/87		R 50/88		R 50/89		R 50/90		R 50/91		R 50/92		R 50/93		R 50/94		R 50/95		R 50/96		R 50/97		R 50/98		R 50/99		R 50/100		R 50/101		R 50/102		R 50/103		R 50/104		R 50/105		R 50/106		R 50/107		R 50/108		R 50/109		R 50/110		R 50/111		R 50/112		R 50/113		R 50/114		R 50/115		R 50/116		R 50/117		R 50/118		R 50/119		R 50/120		R 50/121		R 50/122		R 50/123		R 50/124		R 50/125		R 50/126		R 50/127		R 50/128		R 50/129		R 50/130		R 50/131		R 50/132		R 50/133		R 50/134		R 50/135		R 50/136		R 50/137		R 50/138		R 50/139		R 50/140		R 50/141		R 50/142		R 50/143		R 50/144		R 50/145		R 50/146		R 50/147		R 50/148		R 50/149		R 50/150		R 50/151		R 50/152		R 50/153		R 50/154		R 50/155		R 50/156		R 50/157		R 50/158		R 50/159		R 50/160		R 50/161		R 50/162		R 50/163		R 50/164		R 50/165		R 50/166		R 50/167		R 50/168		R 50/169		R 50/170		R 50/171		R 50/172		R 50/173		R 50/174		R 50/175		R 50/176		R 50/177		R 50/178		R 50/179		R 50/180		R 50/181		R 50/182		R 50/183		R 50/184		R 50/185		R 50/186		R 50/187		R 50/188		R 50/189		R 50/190		R 50/191		R 50/192		R 50/193		R 50/194		R 50/195		R 50/196		R 50/197		R 50/198		R 50/199		R 50/200		R 50/201		R 50/202		R 50/203		R 50/204		R 50/205		R 50/206		R 50/207		R 50/208		R 50/209		R 50/210		R 50/211		R 50/212		R 50/213		R 50/214		R 50/215		R 50/216		R 50/217		R 50/218		R 50/219		R 50/220		R 50/221		R 50/222		R 50/223		R 50/224		R 50/225		R 50/226		R 50/227		R 50/228		R 50/229		R 50/230		R 50/231		R 50/232		R 50/233		R 50/234		R 50/235		R 50/236		R 50/237		R 50/238		R 50/239		R 50/240		R 50/241		R 50/242		R 50/243		R 50/244		R 50/245		R 50/246		R 50/247		R 50/248		R 50/249		R 50/250		R 50/251		R 50/252		R 50/253		R 50/254		R 50/255		R 50/256		R 50/257		R 50/258		R 50/259		R 50/260		R 50/261		R 50/262		R 50/263		R 50/264		R 50/265		R 50/266		R 50/267		R 50/268		R 50/269		R 50/270		R 50/271		R 50/272		R 50/273		R 50/274		R 50/275		R 50/276		R 50/277		R 50/278		R 50/279		R 50/280		R 50/281		R 50/282		R 50/283		R 50/284		R 50/285		R 50/286		R 50/287		R 50/288		R 50/289		R 50/290		R 50/291		R 50/292		R 50/293		R 50/294		R 50/295		R 50/296		R 50/297		R 50/298		R 50/299		R 50/300		R 50/301		R 50/302		R 50/303		R 50/304		R 50/305		R 50/306		R 50/307		R 50/308		R 50/309		R 50/310		R 50/311		R 50/312		R 50/313		R 50/314		R 50/315		R 50/316		R 50/317		R 50/318		R 50/319		R 50/320		R 50/321		R 50/322		R 50/323		R 50/324		R 50/325		R 50/326		R 50/327		R 50/328		R 50/329		R 50/330		R 50/331		R 50/332		R 50/333		R 50/334		R 50/335		R 50/336		R 50/337		R 50/338		R 50/339		R 50/340		R 50/341		R 50/342		R 50/343		R 50/344		R 50/345		R 50/346		R 50/347		R 50/348		R 50/349		R 50/350		R 50/351		R 50/352		R 50/353		R 50/354		R 50/355		R 50/356		R 50/357		R 50/358		R 50/359		R 50/360		R 50/361		R 50/362		R 50/363		R 50/364		R 50/365		R 50/366		R 50/367		R 50/368		R 50/369		R 50/370		R 50/371		R 50/372		R 50/373		R 50/374		R 50/375		R 50/376		R 50/377		R 50/378		R 50/379		R 50/380		R 50/381		R 50/382		R 50/383		R 50/384		R 50/385		R 50/386		R 50/387		R 50/388		R 50/389		R 50/390		R 50/391		R 50/392		R 50/393		R 50/394		R 50/395		R 50/396		R 50/397		R 50/398		R 50/399		R 50/400		R 50/401		R 50/402		R 50/403		R 50/404		R 50/405		R 50/406		R 50/407		R 50/408		R 50/409		R 50/410		R 50/411		R 50/412		R 50/413		R 50/414		R 50/415		R 50/416		R 50/417		R 50/418		R 50/419		R 50/420		R 50/421		R 50/422		R 50/423		R 50/424		R 50/425		R 50/426		R 50/427		R 50/428		R 50/429		R 50/430		R 50/431		R 50/432		R 50/433		R 50/434		R 50/435		R 50/436		R 50/437		R 50/438		R 50/439		R 50/440		R 50/441		R 50/442		R 50/443		R 50/444		R 50/445		R 50/446		R 50/447		R 50/448		R 50/449		R 50/450		R 50/451		R 50/452		R 50/453		R 50/454		R 50/455		R 50/456		R 50/457		R 50/458		R 50/459		R 50/460		R 50/461		R 50/462		R 50/463		R 50/464		R 50/465		R 50/466		R 50/467		R 50/468		R 50/469		R 50/470		R 50/471		R 50/472		R 50/473		R 50/474		R 50/475		R 50/476		R 50/477		R 50/478		R 50/479		R 50/480		R 50/481		R 50/482		R 50/483		R 50/484		R 50/485		R 50/486		R 50/487		R 50/488		R 50/489		R 50/490		R 50/491		R 50/492		R 50/493		R 50/494		R 50/495		R 50/496		R 50/497		R 50/498		R 50/499		R 50/500		R 50/501		R 50/502		R 50/503		R 50/504		R 50/505		R 50/506		R 50/507		R 50/508		R 50/509		R 50/510		R 50/511		R 50/512		R 50/513		R 50/514		R 50/515		R 50/516		R 50/517		R 50/518		R 50/519		R 50/520		R 50/521		R 50/522		R 50/523		R 50/524		R 50/525		R 50/526		R 50/527		R 50/528		R 50/529		R 50/530		R 50/531		R 50/532		R 50/533		R 50/534		R 50/535		R 50/536		R 50/537		R 50/538		R 50/539		R 50/540		R 50/541		R 50/542		R 50/543		R 50/544		R 50/545		R 50/546		R 50/547		R 50/548		R 50/549		R 50/550		R 50/551		R 50/552		R 50/553		R 50/554		R 50/555		R 50/556		R 50/557		R 50/558		R 50/559		R 50/560		R 50/561		R 50/562		R 50/563		R 50/564		R 50/565		R 50/566		R 50/567		R 50/568		R 50/569		R 50/570		R 50/571		R 50/572		R 50/573		R 50/574		R 50/575		R 50/576		R 50/577		R 50/578		R 50/579		R 50/580		R 50/581		R 50/582		R 50/583		R 50/584		R 50/585		R 50/586		R 50/587		R 50/588		R 50/589		R 50/590		R 50/591		R 50/592		R 50/593		R 50/594		R 50/595		R 50/596		R 50/597		R 50/598		R 50/599		R 50/600		R 50/601		R 50/602		R 50/603		R 50/604		R 50/605		R 50/606		R 50/607		R 50/608		R 50/609		R 50/610		R 50/611		R 50/612		R 50/613		R 50/614		R 50/615		R 50/616		R 50/617		R 50/618		R 50/619		R 50/620		R 50/621		R 50/622		R 50/623		R 50/624		R 50/625		R 50/626		R 50/627		R 50/628		R 50/629		R 50/630		R 50/631		R 50/632		R 50/633		R 50/634		R 50/635		R 50/636		R 50/637		R 50/638		R 50/639		R 50/640		R 50/641		R 50/642		R 50/643		R 50/644		R 50/645		R 50/646		R 50/647		R 50/648		R 50/649		R 50/650		R 50/651		R 50/652		R 50/653		R 50/654		R 50/655		R 50/656		R 50/657		R 50/658		R 50/659		R 50/660		R 50/661		R 50/662		R 50/663		R 50/664		R 50/665		R 50/666		R 50/667		R 50/668		R 50/669		R 50/670		R 50/671		R 50/672		R 50/673		R 50/674		R 50/675		R 50/676		R 50/677		R 50/678		R 50/679		R 50/680		R 50/681		R 50/682		R 50/683		R 50/684		R 50/685		R 50/686		R 50/687		R 50/688		R 50/689		R 50/690		R 50/691		R 50/692		R 50/693		R 50/694		R 50/695		R 50/696		R 50/697		R 50/698		R 50/699		R 50/700		R 50/701		R 50/702		R 50/703		R 50/704		R 50/705		R 50/706		R 50/707		R 50/708		R 50/709		R 50/710		R 50/711		R 50/712		R 50/713		R 50/714		R 50/715		R 50/716		R 50/717		R 50/718		R 50/719		R 50/720		R 50/721		R 50/722		R 50/723		R 50/724		R 50/725		R 50/726		R 50/727		R 50/728		R 50/729		R 50/730		R 50/731		R 50/732		R 50/733		R 50/734		R 50/7	
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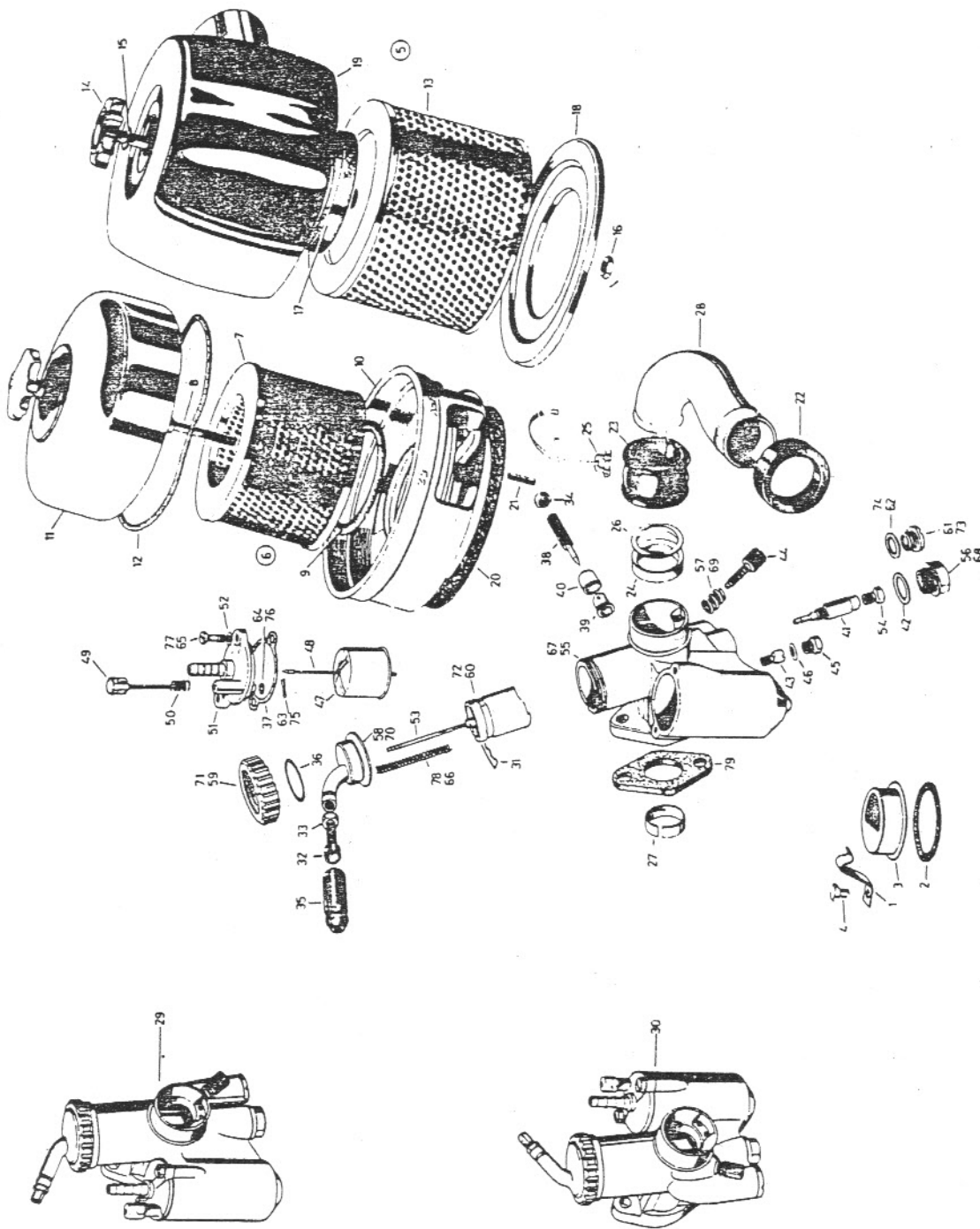
	R 50 60	R 50/2 60/2	R 50S 60S	R 69S	Denomination of parts				R 50 60	R 50/2 60/2	R 50S 60S	R 69S	Denomination of parts
20	11 31 0016379	-	-	1	- 10 gear set for crankshaft and reversing shaft	-	1	-	-	-	-	-	For flywheel on rear crank shank
20	11 31 0016380	-	-	1	- 9 gear set for crankshaft and reversing shaft	-	1	-	-	-	-	-	Spring washer (Woodruff key)
20	11 31 0016381	-	-	1	- 8 gear set for crankshaft and reversing shaft	-	1	-	-	-	-	-	Lock plate
20	11 31 0016382	-	-	1	- 7 gear set for crankshaft and reversing shaft	-	1	-	-	-	-	-	Hex. screw
20	11 31 0016383	-	-	1	- 6 gear set for crankshaft and reversing shaft	-	1	-	-	-	-	-	Bearing cover on engine housing (Mount see illustration table 1)
20	11 31 0016384	-	-	1	- 5 gear set for crankshaft and reversing shaft	-	1	-	-	-	-	-	Bearing cover
20	11 31 0016385	-	-	1	- 4 gear set for crankshaft and reversing shaft	-	1	-	-	-	-	-	Bearing cover
20	11 31 0016386	-	-	1	- 3 gear set for crankshaft and reversing shaft	-	1	-	-	-	-	-	Flange and bearing bushing on bearing cover
20	11 31 0016387	-	-	1	- 2 gear set for crankshaft and reversing shaft	-	1	-	-	-	-	-	Flange with oil pipe
20	11 31 0016388	-	-	1	- 1 gear set for crankshaft and reversing shaft	-	1	-	-	-	-	-	Flange with oil pipe
20	11 31 0016389	-	-	1	± 0 gear set for crankshaft and reversing shaft	-	1	-	-	-	-	-	Lock washer B 6
20	11 31 0016390	-	-	1	+ 1 gear set for crankshaft and reversing shaft	-	1	-	-	-	-	-	Hex. screw M6 x 18-8 G phr.
20	11 31 0016391	-	-	1	+ 2 gear set for crankshaft and reversing shaft	-	1	-	-	-	-	-	black
20	11 31 0016392	-	-	1	+ 3 gear set for crankshaft and reversing shaft	-	1	-	-	-	-	-	Hex. screw M6 x 15-8 G phr.
20	11 31 0016393	-	-	1	+ 4 gear set for crankshaft and reversing shaft	-	1	-	-	-	-	-	black
20	11 31 0016394	-	-	1	+ 5 gear set for crankshaft and reversing shaft	-	1	-	-	-	-	-	Vibration damper
20	11 31 0016395	-	-	1	+ 6 gear set for crankshaft and reversing shaft	-	1	-	-	-	-	-	Vibration damper, Kpl.
20	11 31 0016396	-	-	1	+ 7 gear set for crankshaft and reversing shaft	-	1	-	-	-	-	-	Hub for vibration damper
20	11 31 0016397	-	-	1	+ 8 gear set for crankshaft and reversing shaft	-	1	-	-	-	-	-	Spacer bush
20	11 31 0016398	-	-	1	+ 9 gear set for crankshaft and reversing shaft	-	1	-	-	-	-	-	Damping mass
20	11 31 0016399	-	-	1	+ 10 gear set for crankshaft and reversing shaft	-	1	-	-	-	-	-	Coil spring element
21	07 11 9951480	1	1	1	For gear on front crank shank								Sliding plate
22	07 11 9934171	1	-	1	Lock washer (woodruff key) 5x6,5								Terminal washer
23	11 21 0016201	1	-	1	Lock plate 25 x 1,2								For vibration damper on front crank pin with Lima attachment
					Spacer washer (thickness as required)								Hex. screw with inside thread
													Lock washer B 8
													Piston and piston rings R 50 and R 50/2
													Piston with bolts and rings
													Compression ring (1,5mm high) standard
													Compression ring (1,5mm high) with 0,5mm oversize
													Compression ring (1,5mm high) with 1mm oversize

	R 60	R 50/2	R 508	R 60/2	Denomination of parts	R 60	R 50/2	R 508	R 60/2	Denomination of parts
45	07 11 0014159	2	2	2	Oil ring (angular) standard	50	07 11 0014161	-	2	Nose ring, + 1,0mm, groove 2
45	07 11 0014160	2	2	2	Oil ring (angular) with 0,5mm oversize	51	07 11 0014186	-	2	Slotted ring (chamfered top) standard, groove 3
45	07 11 0014161	2	2	2	Oil ring (angular) with 1 mm oversize	51	07 11 0014187	-	2	Slotted ring (chamfered top) + 0,5mm, groove 3
46	07 11 0014122	4	4	4	Slotted ring, standard	51	07 11 0014188	-	2	Slotted ring (chamfered top) + 1,0mm, groove 3
46	07 11 0014123	4	4	4	Slotted ring with 0,5mm overs.	52	07 11 9933643	-	4	Snap ring C 20
46	07 11 0014124	4	4	4	Slotted ring with 1mm oversize					Piston and piston rings R 60
42	11 25 0012237	2	2	2	standard 67,95Ø					Piston with bolts and rings
42	11 25 0012238	2	2	2	standard 67,96Ø	42	11 25 0012227	2	-	standard 71,95 Ø
42	11 25 0012239	2	2	2	standard 67,97Ø	42	11 25 0012228	2	-	standard 71,96 Ø
42	11 25 0012294	2	2	2	+ 0,5mm 68,45Ø	42	11 25 0012229	2	-	standard 71,97 Ø
42	11 25 0012295	2	2	2	+ 0,5mm 68,46Ø	42	11 25 0012230	2	-	+ 0,5mm 72,45 Ø
42	11 25 0012296	2	2	2	+ 0,5mm 68,47Ø	42	11 25 0012231	2	-	+ 0,5mm 72,46 Ø
42	11 25 0012297	2	2	2	+ 1,0mm 68,95Ø	42	11 25 0012232	2	-	+ 0,5mm 72,47 Ø
42	11 25 0012298	2	2	2	+ 1,0mm 68,96Ø	42	11 25 0012233	2	-	+ 1,0mm 72,95 Ø
42	11 25 0012299	2	2	2	+ 1,0mm 68,97Ø	43	07 11 0014538	2	-	Compression ring with 0,5mm oversize
43	07 11 9933720	2	2	2	Rectangular ring, stand, groove 1	43	07 11 0014539	2	-	Compression ring with 1,0mm oversize
43	07 11 9933721	2	2	2	Rectangular ring, + 0,5mm, groo. 1	45	11 25 0014144	2	-	Oil ring (angular) with 0,5mm oversize
43	07 11 9933722	2	2	2	Rectangular ring, + 1,0mm, groo. 1	45	11 25 0014146	2	-	Oil ring (angular) with 1,0mm oversize
45	07 11 0014159	2	2	2	Nose ring, standard, groove 2					Slotted ring with 0,5mm overs.
45	07 11 0014160	2	2	2	Nose ring, + 0,5mm, groove 2					Piston and piston rings R 60/2
45	07 11 0014161	2	2	2	Nose ring, + 1,0mm, groove 2	46	11 25 0014139	4	-	Piston with bolts and rings
46	07 11 0014186	2	2	2	Slotted ring (chamfered top)					standard 71,95 Ø
46	07 11 0014187	2	2	2	standard, groove 3					standard 71,96 Ø
46	07 11 0014188	2	2	2	Slotted ring (chamfered top) + 0,5mm, groove 3					standard 71,97 Ø
46	07 11 0014188	2	2	2	Slotted ring (chamfered top) + 1,0mm, groove 3					+ 0,5mm 72,45 Ø
										+ 0,5mm 72,46 Ø
										+ 0,5mm 72,47 Ø
										+ 0,5mm 72,95 Ø
										+ 1,0mm 72,96 Ø
										+ 1,0mm 72,97 Ø
										standard 71,95 Ø
										standard 71,96 Ø
										standard 71,97 Ø
										+ 0,5mm 72,45 Ø
										+ 0,5mm 72,46 Ø
										+ 0,5mm 72,47 Ø
										+ 1,0mm 72,95 Ø
										+ 1,0mm 72,96 Ø
										+ 1,0mm 72,97 Ø
										standard 71,95 Ø
										standard 71,96 Ø
										standard 71,97 Ø
										+ 0,5mm 72,45 Ø
										+ 0,5mm 72,46 Ø
										+ 0,5mm 72,47 Ø
										+ 1,0mm 72,95 Ø
										+ 1,0mm 72,96 Ø
										+ 1,0mm 72,97 Ø
										standard 71,95 Ø
										standard 71,96 Ø
										standard 71,97 Ø
										+ 0,5mm 72,45 Ø
										+ 0,5mm 72,46 Ø
										+ 0,5mm 72,47 Ø
										+ 1,0mm 72,95 Ø
										+ 1,0mm 72,96 Ø
										+ 1,0mm 72,97 Ø

	R 50 60	R 50/2 60/2	R 60	R 60S	Denomination of parts		R 50 60	R 50/2 60/2	R 60	R 60S	Denomination of parts
67	11 32 0033158	-	-	-	Tappet, with 0,01 mm oversize	81	11 12 0021723	-	-	-	Valve guide bushing for ex-
67	11 32 0033159	-	-	-	Tappet, with 0,04 mm oversize	81	11 12 0021103	-	-	-	haust, with 0,3 mm oversize
68	11 11 0033163	4	4	4	Rubber sleeve for push rod guide bushing	81	11 12 0021105	-	-	-	Valve guide bushing, standard
69	11 32 0033170	4	4	-	Push rod	82	11 12 0021116	4	4	-	Valve guiding bushing, outside with 0,1 mm oversize
69	11 32 0033174	4	4	-	Push rod	83	11 12 0021118	-	-	-	Locking ring for valve guide bushing
69	11 32 0033004	-	-	-	Push rod	83	11 12 0021118	-	-	-	Locking ring for valve guide bushing
70	11 33 0034172	-	-	2	Rocker arm for inlet $\curvearrowright$ and outlet $\curvearrowleft$	84	11 12 0021119	-	-	-	Washer f. valve guide bushing
70	11 33 0034174	-	-	2	Rocker arm for inlet $\curvearrowright$ and outlet $\curvearrowleft$	85	11 12 0021119	-	-	-	Valve spring, inside
71	11 33 0034110	8	8	-	Support f. rocker arm shaft	85	11 34 0026110	4	4	-	Valve spring, inside
71	11 33 0034158	-	-	8	Support f. rocker arm shaft	86	11 34 0026160	-	-	-	Valve spring, outside
72	11 33 0021136	8	8	-	Hex. screw for support	86	11 34 0026118	4	4	-	Valve spring, outside
72	11 12 0022109	-	-	8	Hex. screw for support and cylinder head	86	11 34 0026164	-	-	-	Valve spring outside
73	11 33 0034102	4	-	-	Bearing bolt f. rocking lever	87	11 34 0026132	4	-	-	Springs plate, top
73	11 33 0034150	-	4	4	Bearing bolt f. rocking lever	87	11 34 0026832	4	4	-	Springs plate, top
73	11 33 0034189	-	-	4	Bearing bolt f. rocking lever	87	11 34 0026182	-	-	-	Springs plate, bottom
74	11 33 0034112	4	4	-	Washer for rocking lever	88	11 34 0026128	4	4	-	Springs plate, bottom
75	11 33 0034162	-	-	8	Washer for rocking lever	89	11 34 0026179	-	-	-	Insulation washer for bottom spring plate
76	11 33 0034145	8	8	-	Bushing f. rocking lever bearing	90	11 34 0026186	-	-	-	Wedge bevel gear (two parts)
77	11 33 0034186	-	-	4	Spacer bushing	91	11 34 0026124	4	-	-	Wedge bevel gear (two parts)
78	07 11 0034190	-	-	136	Bearing needle 3 x 15,8	91	11 34 0026824	4	4	-	Wedge bevel gear (two parts)
79	11 33 0034175	4	4	-	Adjusting screw	91	11 34 0026174	-	-	-	Valve cone for inlet
79	11 33 0034178	-	-	4	Adjusting screw	92	11 34 0026101	2	-	-	Valve cone for inlet
80	11 33 0034128	4	4	4	Nut for adjusting screw	92	11 34 0026501	2	2	-	Valve cone for exhaust
81	11 12 0021104	4	-	-	Valve guiding bushing, standard	93	11 12 0026109	2	-	-	Valve cone for exhaust
81	11 12 0021106	4	-	-	Valve guiding bushing, outside with 0,1 mm oversize	93	11 34 0026509	2	2	-	Valve cone for exhaust
81	11 12 0021107	4	-	-	Valve guiding bushing, outside with 0,2 mm oversize	93	11 34 0026107	-	-	-	Lubrication system
81	11 12 0021108	4	-	-	Valve guiding bushing, outside with 0,3 mm oversize	94	11 41 0052155	1	1	1	Gear for oil pump drive
81	11 12 0021804	4	4	2	Valve guide bushing, standard	95	11 41 0052164	1	1	1	Driving wheel for oil pump
81	11 12 0021806	4	4	2	Valve guiding bushing, outside with 0,1 mm oversize	96	11 41 0052167	1	1	1	Hex. nut for driving wheel
81	11 12 0021807	4	4	2	Valve guiding bushing, outside with 0,2 mm oversize	97	11 41 0052168	1	1	1	Lock plate for driving wheel
81	11 12 0021808	4	4	2	Valve guiding bushing, outside with 0,3 mm oversize	98	11 41 0052171	1	1	1	Oil pump idler gear
81	11 12 0021720	-	-	2	Valve guide bushing for exhaust, standard	99	11 22 0068037	-	-	-	Flywheel
81	11 12 0021721	-	-	2	Valve guide bushing for exhaust, with 0,1 mm oversize	100	21 21 0070182	-	-	-	Cup spring with red + mark
81	11 12 0021722	-	-	2	Valve guide bushing for exhaust, with 0,2 mm oversize	101	11 21 0070164	1	1	1	Pressure plate with tappet diaphragm
						102	21 21 0070060	1	1	1	

	R 50 60	R 50/2 60/2	R 69 S	R 69	R 69 S	Denomination of parts			R 50 60	R 50/2 60/2	R 69 S	R 69	R 69 S	Denomination of parts
49	07 11 9933716	2	—	—	—	Rectangular ring, stand, groove 1	50	07 11 0014212	—	—	—	—	2	Nose ring with 0,5mm oversize, groove 2
49	07 11 9933717	2	—	—	—	Rectangular ring, + 0,5mm, groove 1	50	07 11 0014213	—	—	—	—	2	Nose ring with 1,0mm oversize groove 2
49	07 11 9933718	2	—	—	—	Rectangular ring, + 1,0mm, groove 1	51	07 11 0014214	—	—	—	—	2	Slotted ring (chamfered top) standard, groove 3
50	07 11 0014211	2	—	—	—	Nose ring, standard, groove 2	51	07 11 0014215	—	—	—	—	2	Slotted ring (chamfered top) with 0,5mm oversize, groove 3
50	07 11 0014212	2	—	—	—	Nose ring with 0,5mm oversize, groove 2	51	07 11 0014216	—	—	—	—	2	Slotted ring (chamfered top) with 1,0mm oversize, groove 3
50	07 11 0014213	2	—	—	—	Nose ring with 1,0mm oversize groove 2	52	07 11 9933642	—	—	—	—	4	Snab ring C 20 f. piston bolt
51	07 11 0014214	2	—	—	—	Slotted ring (chamfered top) standard, groove 3								Valve mechanism
51	07 11 0014215	2	—	—	—	Slotted ring (chamfered top) with 0,5mm oversize, groove 3	53	11 31 0031027	1	—	—	—	—	Camshaft
51	07 11 0014216	2	—	—	—	Slotted ring (chamfered top) with 1,0mm oversize, groove 3	53	11 31 0031028	—	—	—	—	—	Camshaft
52	07 11 9933643	4	—	—	—	Snab ring C 20 f. piston bolts	53	11 31 0031030	—	—	—	—	1	Camshaft
						Piston and piston rings R 69	54	11 15 0031168	1	—	—	—	—	Camshaft
						Piston with bolts and rings	54	11 15 0031170	—	—	—	—	—	Breather plate w. cylindrical pin
42	11 25 0012218	—	—	2	—	standard 71,90 Ø	54	11 15 0031171	—	—	—	—	—	Breather plate w. cylindrical pin
42	11 25 0012220	—	—	2	—	standard 71,92 Ø	55	11 15 0031152	1	—	—	—	—	Pressure spring f. breather plate
42	11 25 0012221	—	—	2	—	+ 0,5mm 72,40 Ø	56	11 31 0031707	—	—	—	—	—	Breather plate integral with cylindrical pin
42	11 25 0012224	—	—	2	—	+ 1,0mm 72,90 Ø	57	23 21 1030116	—	—	—	—	—	Elastic ring f. breather plate
43	07 11 0014538	—	—	6	—	Compression ring with 0,5mm oversize	58	11 15 0031164	1	—	—	—	—	Spacer plate 1mm f. breather plate
43	07 11 0014539	—	—	6	—	Compression ring with 1,0mm oversize							—	Cover for breather plate
45	07 11 0014543	—	—	4	—	Slotted ring, standard	59	11 31 0030150	1	—	—	—	—	Bearing bush for camshaft
46	11 25 0014139	—	—	4	—	Slotted ring with 0,5mm overs.	60	11 31 0030102	1	—	—	—	—	Inside snap ring f. bearing bush
47	07 11 9933642	—	—	4	—	Snab ring C 20 f. piston bolt	61	11 31 0030104	4	4	4	4	4	Screw for bearing bush
						Piston and piston rings R 69 S	62	07 11 9981213	2	2	2	2	2	Groove bearing 6203 f. camshaft
						Piston with bolts and rings	63	07 11 9981041	—	—	—	—	—	Groove bearing 6003 X for camshaft A
48	11 25 0012276	—	—	2	—	standard 71,92 Ø	64	07 11 9951461	1	—	—	—	—	Washer spring 4x6,5 for camshaft gear wheel
48	11 25 0012277	—	—	2	—	standard 71,93 Ø	65	07 11 9933451	1	—	—	—	—	Snab ring 35 for breather plate mount
48	11 25 0012278	—	—	2	—	standard 71,94 Ø	66	11 31 0031172	—	—	—	—	—	Spring washer for camshaft
48	11 25 0012279	—	—	2	—	+ 0,5mm 72,42 Ø	67	11 32 0033102	4	—	—	—	—	Tappet (push rod) standard
48	11 25 0012280	—	—	2	—	+ 0,5mm 72,43 Ø	67	11 32 0033104	4	—	—	—	—	Tappet, with 0,01mm oversize
48	11 25 0012281	—	—	2	—	+ 0,5mm 72,44 Ø	67	11 32 0033105	4	—	—	—	—	Tappet, with 0,04mm oversize
48	11 25 0012282	—	—	2	—	+ 1,0mm 72,92 Ø	67	11 32 0033127	—	—	—	—	—	Tappet, standard
48	11 25 0012283	—	—	2	—	+ 1,0mm 72,93 Ø	67	11 32 0033128	—	—	—	—	—	Tappet with 0,01mm oversize
48	11 25 0012284	—	—	2	—	+ 1,0mm 72,94 Ø	67	11 32 0033129	—	—	—	—	—	Tappet, with 0,04mm oversize
47	07 11 9933716	—	—	—	—	Rectangular ring, standard, gr. 1	67	11 32 0033150	—	—	—	—	—	Tappet, standard
47	07 11 9933717	—	—	—	—	Rectangular ring, + 0,5mm, gr. 1	67	11 32 0033152	—	—	—	—	—	Tappet, with 0,01mm oversize
47	07 11 9933718	—	—	—	—	Rectangular ring, + 1,0mm, gr. 1	67	11 32 0033157	—	—	—	—	—	Tappet, standard
50	07 11 0014211	—	—	—	—	Nose ring, standard, groove 2							—	

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5. 50 60
 R 50/2 60/2
 R 50 G
 F. 30
 0. 0. 0. 0

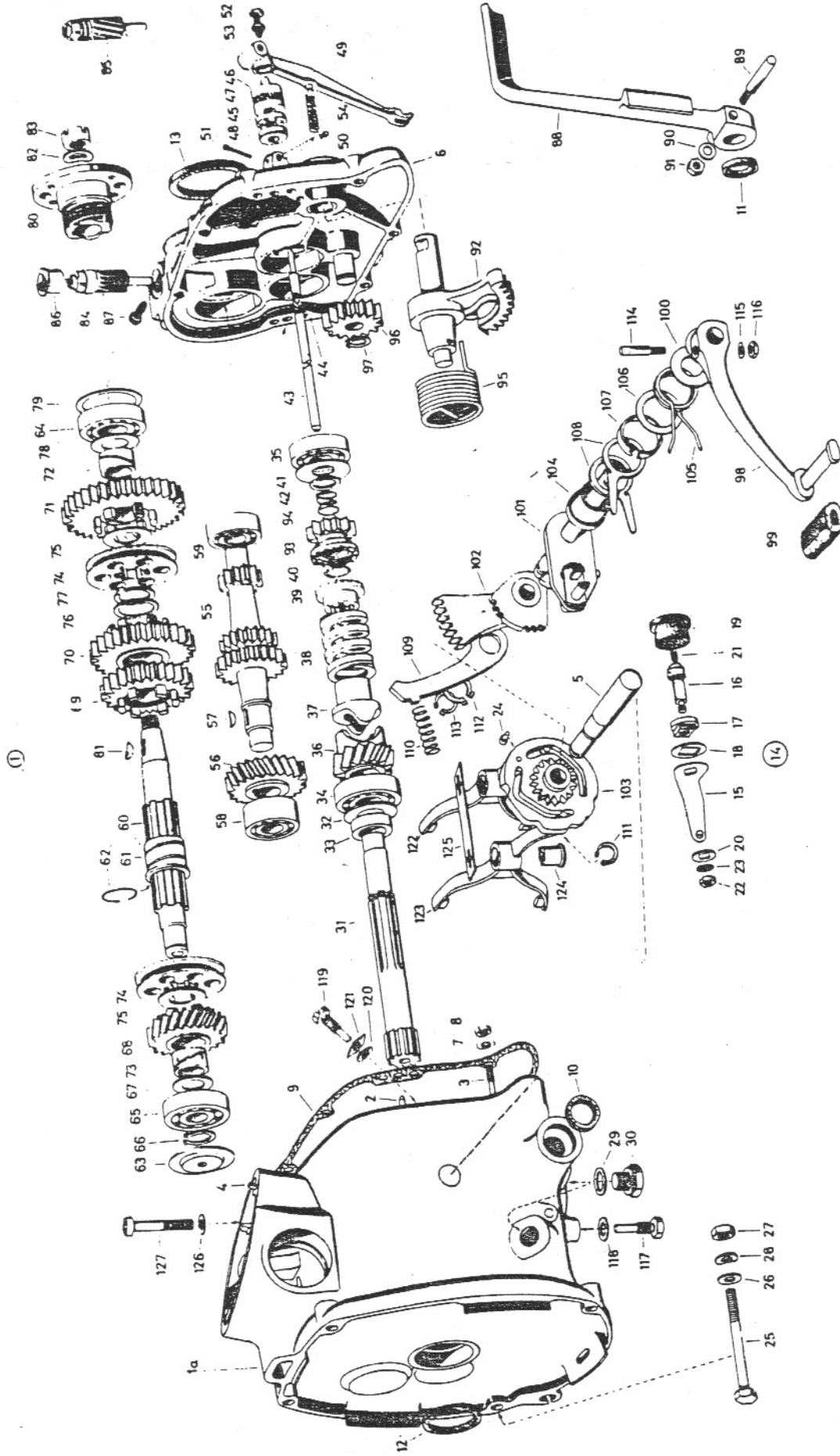
Motor - Vergaser
 Engine - Carburetor
 Moteur - Carburateur

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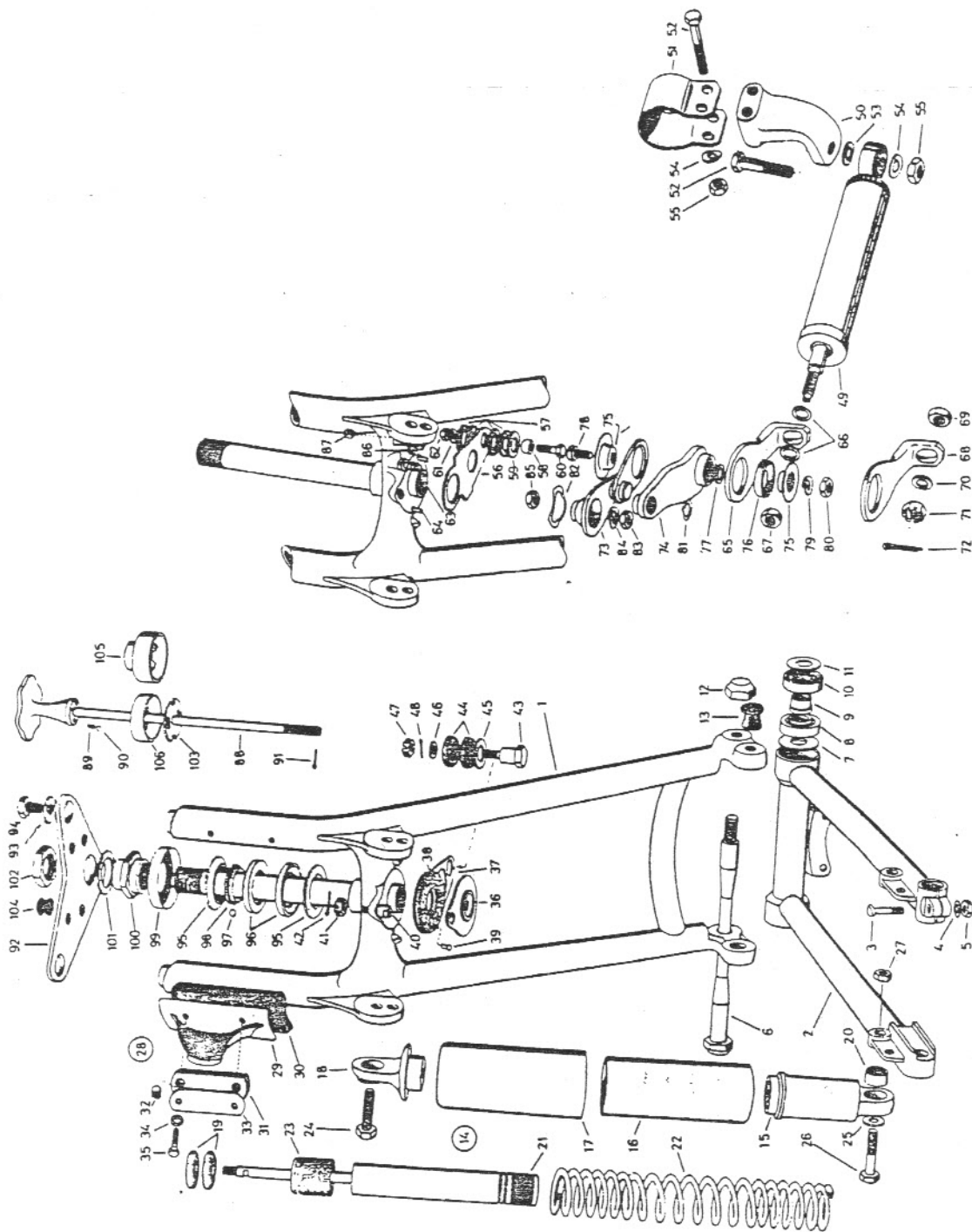
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		R 50/2, 50S 60/2				Denomination of parts		R 50/2, 50S 60/2	R 50S 60	R 50S 60	R 50S 60	Denomination of parts
		R 50	R 50/2	R 50S	R 60/2							
52	13 11 0039193	4	4	4	4	Spring washer f. fastening screw						
53	13 11 0039274	2	2	2	2	Jet needle						
53	13 11 0039272	2	2	2	2	Jet needle						
54	13 11 0039244	2	1	2	2	Main jet Nr. 105						
54	13 11 0039144	2	1	2	2	Main jet Nr. 110						
54	13 11 0039239	2	1	2	2	Main jet Nr. 135						
54	13 11 0039245	2	1	2	2	Main jet Nr. 115						
55	13 11 0039250	1	1	1	1	Carburetor casing						
55	13 11 0039213	1	1	1	1	Carburetor casing						
55	13 11 0039253	1	1	1	1	Carburetor casing						
56	13 11 0039597	2	2	2	2	Terminal screw						
56	13 11 0039197	2	2	2	2	Terminal screw						
57	13 11 0039171	2	2	2	2	Spring						
57	13 11 0039170	2	2	2	2	Spring						
58	13 11 0039111	1	1	1	1	Cover plate						
58	13 11 0039112	1	1	1	1	Cover plate						
58	13 11 0039218	1	1	1	1	Cover plate						
58	13 11 0039219	1	1	1	1	Cover plate						
59	13 11 0039217	2	2	2	2	Cover screw cap						
59	13 11 0039216	2	2	2	2	Cover screw cap						
60	13 11 0039120	2	2	2	2	Throttle slide						
60	13 11 0039117	2	2	2	2	Throttle slide						
61	13 11 0039198	2	2	2	2	Cover screw						
62	13 11 0042134	2	2	2	2	Gasket						
63	13 11 0039165	2	2	2	2	Cotter for tickler						
64	13 11 0039262	2	2	2	2	Lock washer f. tickler						
65	13 11 0039156	4	4	4	4	Fastening screw						
66	13 11 0039169	2	2	2	2	Slide valve spring						
66	13 11 0039168	2	2	2	2	Slide valve spring						
67	13 11 0039250	1	1	1	1	Carburetor housing						
67	13 11 0039251	1	1	1	1	Carburetor housing						
67	13 11 0039252	1	1	1	1	Carburetor housing						
67	13 11 0039253	1	1	1	1	Carburetor housing						
68	13 11 0039197	2	2	2	2	Terminal screw						
69	13 11 0039170	2	2	2	2	Spring						
70	13 11 0039218	1	1	1	1	Cover plate						
70	13 11 0039219	1	1	1	1	Cover plate						
71	13 11 0039216	2	2	2	2	Cover screw cap						
72	13 11 0039116	2	2	2	2	Throttle slide						
72	13 11 0039117	2	2	2	2	Throttle slide						
73	13 11 0039195	2	2	2	2	Terminal screw						
74	13 11 0042135	2	2	2	2	Gasket						
75	13 11 0039165	2	2	2	2	Cotter for tickler						
76	13 11 0039262	2	2	2	2	Lock washer f. tickler						
77	13 11 0039156	4	4	4	4	Fastening screw						
78	13 11 0039168	2	2	2	2	Slide valve spring						
						For the carburetors on the cylinder heads						



Getriebe — Getriebe
Transmission — Transmission
Boîte de vitesses — Boîte de vitesses

	R 50 60	R 50/2 60/2	R 89	R 89S	Denomination of parts				R 50 60	R 50/2 60/2	R 89	R 89S	Denomination of parts
1	22 00 1000028	1	1	1	Transmission								Magnet plug screw M 16 x 1,5 f. oil drain
1a	23 11 1006029	1	1	1	Transmission Kpl.								Primary shaft
2	23 11 1012100	2	2	2	Transmission housing w. cover								Primary shaft
3	07 11 9903214	7	7	7	Locating pin								Washer f. primary shaft A
4	07 11 9941365	1	1	1	Stud M 6 x 25 Sn 4-5 S cad. (E)								Bushing f. primary shaft A
5	23 31 1006142	1	1	1	Locating pin 4 x 6 f. air filter								Ball bearing 6204 C 3 A
6	23 11 1012031	1	1	1	Bolt for cam plate								Drive gear
7	07 11 9931043	7	7	7	Cover f. transmission housing								Coupling f. drive gear
8	07 11 9922053	7	7	7	Washer 6,4 cad.								Spring for damper
9	23 11 1006280	1	1	1	Hex. nut M 6-6 S cad.								Catch for kickstarter
10	33 12 3038110	1	1	1	Gasket between transmission housing and cover								Circlip f. primary shaft catch
13	23 11 1006178	1	1	1	Seal for drive shaft A								Washer f. primary shaft V (thickness as required)
14	23 31 1006152	1	1	1	Seal for drive shaft V								Starter washer f. primary shaft V
16	23 31 1006158	1	1	1	For electr. neutral indication								
17	23 31 1006162	1	1	1	Electr. neutral indication, Kpl.								
18	23 31 1006166	1	1	1	Contact bolt								
19	23 11 1006174	1	1	1	Insulating bushing								
21	07 11 9905660	1	1	1	Insulating washer								
22	07 11 9922054	1	1	1	Rubber plug								
23	07 11 9936135	1	1	1	Set screw M 4 x 6 x 3-5 S								
24	23 31 1006174	1	1	1	Hex. nut M 6-6 S								
26	07 11 9931065	1	1	1	Star washer J 6,4								
27	07 11 9922081	1	1	1	Contact rivet f. cam plate								
28	07 11 9932090	1	1	1	Transmission attachment on engine								
29	07 11 9931065	1	1	1	Washer 8,4 cad.								
30	07 11 9932090	1	1	1	Hex. nut M 8-6 S cad.								
31	07 11 9932090	1	1	1	Lock washer B 8								
32	07 11 9932090	1	1	1	Oil filler and oil drain plug on transmission								
33	07 11 9932090	1	1	1	Gasket C 14 x 20 steel asbestos								
34	07 11 9932090	1	1	1	Gasket C 16 x 20 steel asbestos								
35	07 11 9932090	1	1	1	Plug screw for oil refilling								
36	07 11 9932090	1	1	1	and oil drain								
37	07 11 9932090	1	1	1	Plug screw with 0,1 mm over- size thread								
38	07 11 9932090	1	1	1	Plug screw M 16 x 1,5								
39	07 11 9932090	1	1	1	Magnet plug screw with 0,1 mm oversize thread for oil drain								
40	07 11 9932090	1	1	1	Magnet plug screw f. oil drain								
41	07 11 9932090	1	1	1									
42	07 11 9932090	1	1	1									
43	07 11 9932090	1	1	1									
44	07 11 9932090	1	1	1									
45	07 11 9932090	1	1	1									
46	07 11 9932090	1	1	1									
47	07 11 9932090	1	1	1									
48	07 11 9932090	1	1	1									
49	07 11 9932090	1	1	1									
50	07 11 9932090	1	1	1									
51	07 11 9932090	1	1	1									
52	07 11 9932090	1	1	1									
53	07 11 9932090	1	1	1									
54	07 11 9932090	1	1	1									
55	07 11 9932090	1	1	1									
56	07 11 9932090	1	1	1									
57	07 11 9932090	1	1	1									
58	07 11 9932090	1	1	1									
59	07 11 9932090	1	1	1									



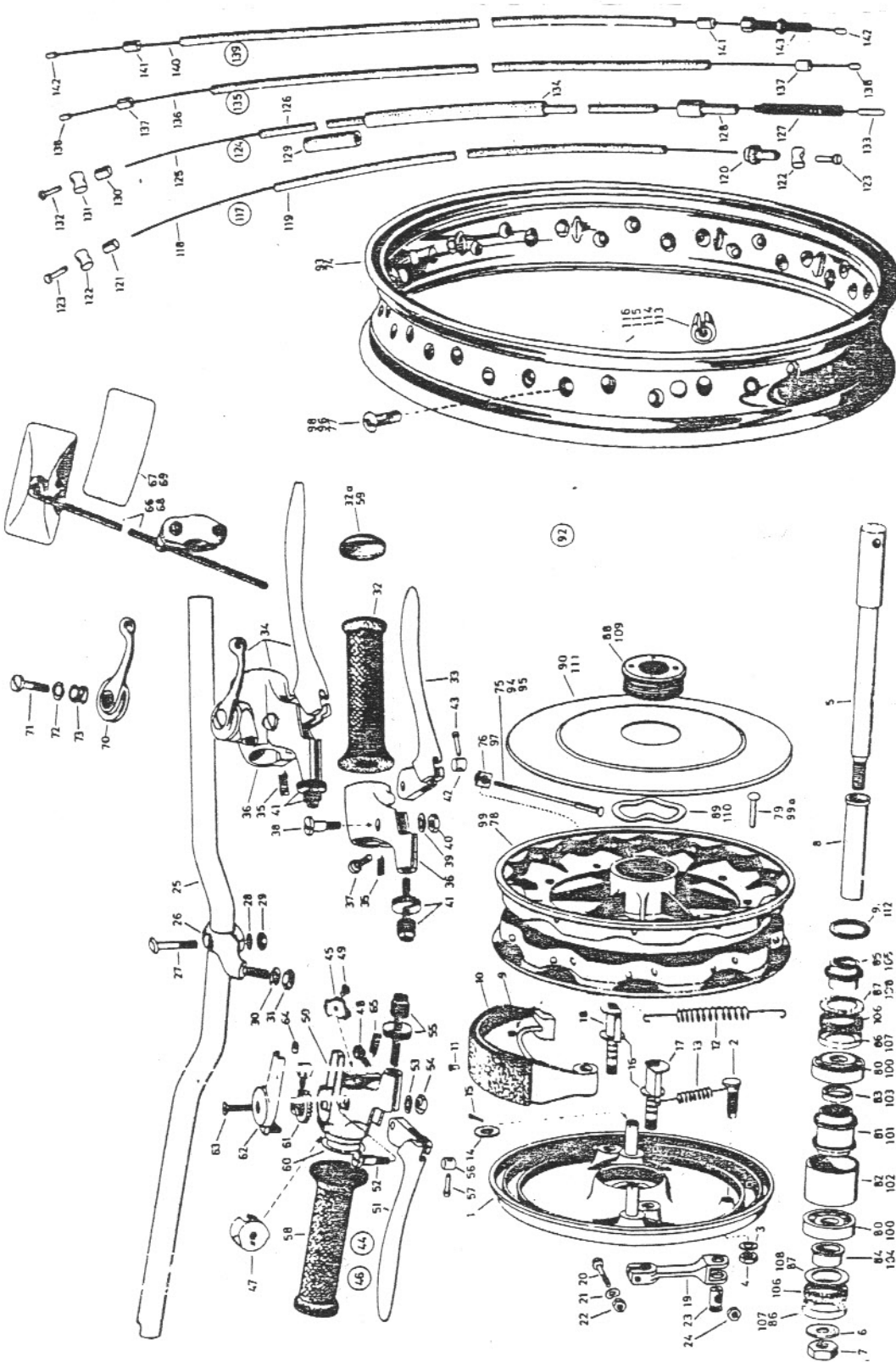
R 50 60
R 50/2 60/2
R 50 S
R 69
H 69

Vorderradschwinge
Front fork
Fourche oscillante avant

— Steckachslemmung - Schwinge-Lagerung - Gabelfederung
— Floating axle attachment - Swing arm bearing - Suspension units
— Fixation de l'axe - Articulation du bras - Suspension

		R 50 60	R 50/2 60/2	R 50S	R 69	R 69S	Denomination of parts	
118	23 41 1066286	1	1	1	1	1	Spacer washer 0,5 and 1 mm (thickness as required)	
118	07 11 9931655	X	X	X	X	X	Spacer washer 1,5 mm	
119	23 31 1066282	1	1	1	1	1	Limit screw, top	
120	23 31 1066155	1	1	1	1	1	Spacer washer (0,5 mm thick)	
120	23 31 1066156	1	1	1	1	1	Spacer washer (1,0 mm thick)	
120	23 31 1066157	1	1	1	1	1	Spacer washer (1,5 mm thick)	
121	23 31 1066290	1	1	1	1	1	Locking plate	
							For shifting forks on trans- mission housing, top	
123	23 31 1066206	1	1	1	1	1	Shift fork f. third and fourth speed	
124	23 31 1066162	2	2	2	2	2	Bushing f. shifting fork	
125	23 31 1066170	1	1	1	1	1	Retaining plate	
125	23 31 1066186	2	2	2	2	2	Washer for allenhead screw	
127	07 11 9919741	2	2	2	2	2	Allenhead screw M8 x 45-8 G phr. block	

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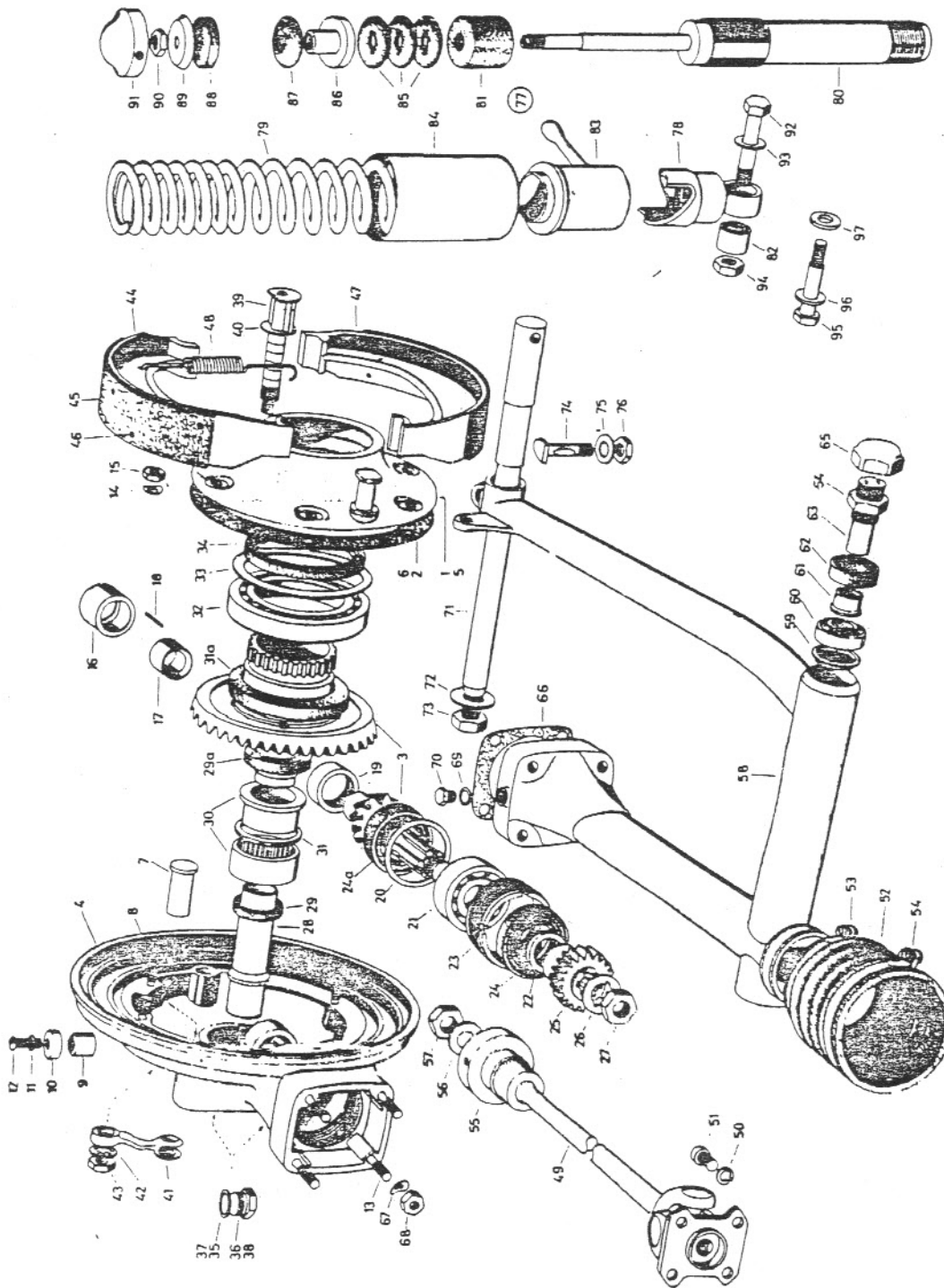
Vorderadsschwingeabel - Vorderradbremse - Bremsbacken und Bremshebel
 Front fork - Front wheel brake - Brake shoes and brake lever
 Fourche oscillante avant - Mâchoires et levier de frein

34.1+36.3

6/11

95

R 50 60
 R 50/2 60/2
 R 51 S
 R 61
 R 61 B



Hinterachse
Rear wheel drive
Essieu arrière

— Hinterradantrieb mit Schwingen - Ritzellagerung im Kardangehäuse
— Rear wheel drive with swing arm - Pinion bearings on bevel gear housing
— Transmission avec bras oscillant - Pignon de pignons dans carter

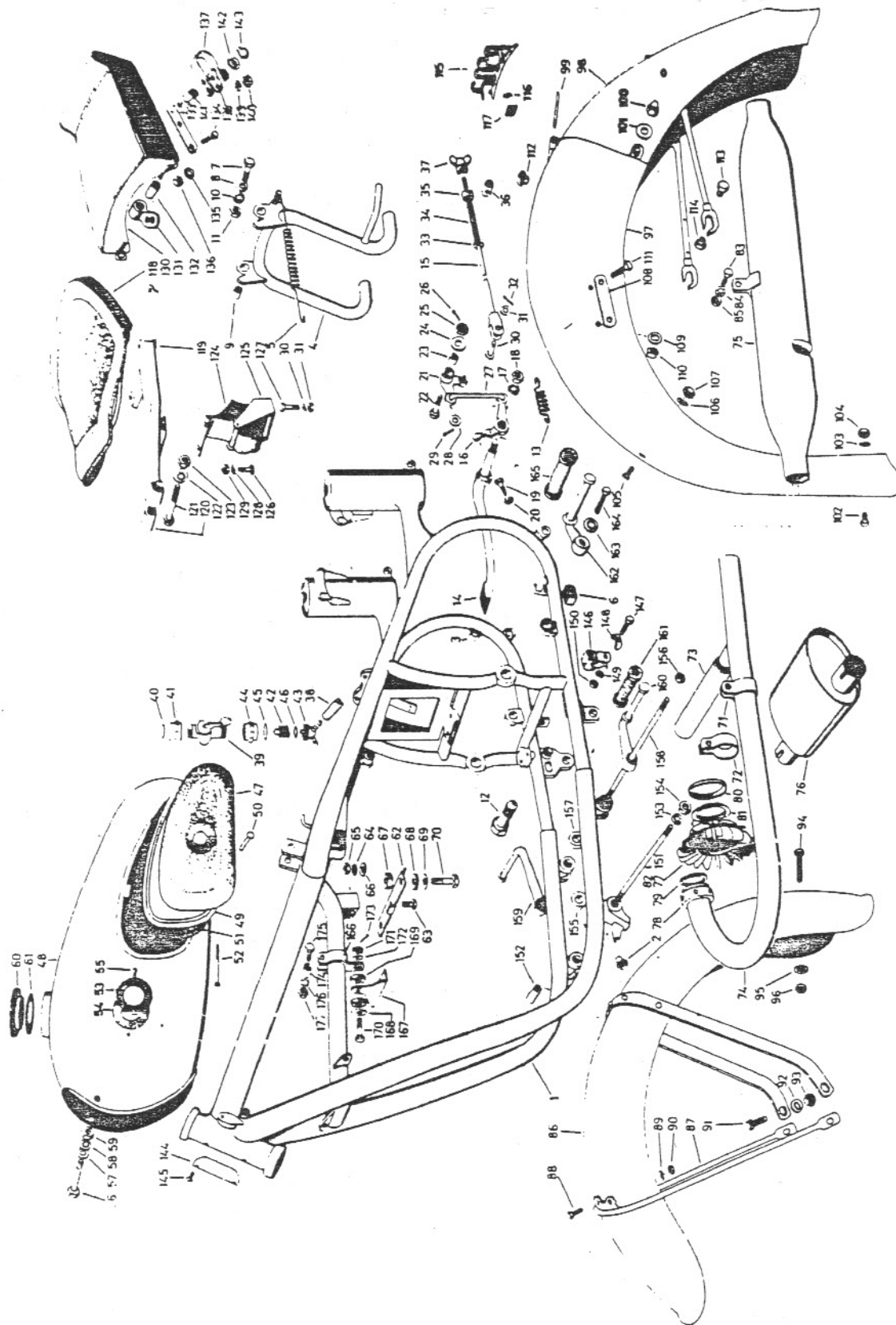
R 50 60
R 50/2 60/2
R 50 8
R 69
R 68 8

33.1+33.5

1/5

09

		Denomination of parts					Denomination of parts					Denomination of parts				
		R 50 60	R 50/2 60/2	R 50S	R 60	R 60S					R 50 60	R 50/2 60/2	R 50S	R 60	R 60S	
2	33 11 3004319	1	-	-	-	-	Rear wheel drive with swing arm	31a	33 12 3004343	1	1	1	1	1	1	Seal ring for shaft
3	33 12 3010172	-	1	-	-	-	Gasket between bevel gear housing and cover	32	07 11 9981760	1	1	1	1	1	1	Ball bearing 16013
3	33 12 3010172	1	1	-	1	1	Bevel gear and pinion set 25x32	33	33 12 3004344	1	1	1	1	1	1	Spacer washer (thickness as req.)
3	33 12 3010173	-	1	-	1	1	Tooths to be added with speedometer									
4	33 11 3004306	1	1	1	1	1	Bev. gear pinion set 25x8 teeth	35	07 11 9903242	2	2	2	2	2	2	Oil filler and oil drain in bevel gear housing
5	33 11 3004310	1	1	1	1	1	Bev. gear pinion set 25x8 teeth	36	11 13 0007104	2	2	1	1	1	1	Seal ring C14x20 steel asbestos
6	33 11 3004320	1	1	1	1	1	Bevel gear housing with pinion and protection cover	36	11 13 0007161	-	-	1	1	1	1	Plug screw (t. R 50 S, R 69 and R 69) Only one f. oil inlet
7	33 11 3004317	1	1	1	1	1	Cover with bearing bolt for bevel gear housing	36	11 13 0007106	2	2	1	1	1	1	Plug screw w. magneto f. oil drain
8	07 11 9903503	1	1	1	1	1	Gasket between bevel gear housing and cover	36	11 13 0007160	-	-	1	1	1	1	Plug screw w. thread 0,1 mm oversize
9	33 11 3004308	-	1	1	1	1	Bearing bush f. bevel gear housing									Plug screw with gasket f. spoiled thread cut again with M 16x1,5
10	33 11 3004307	1	1	1	1	1	Stud M8 x 1 x 15 Sn-5 phr. black (E) to mount cover	37	07 11 9963259	2	2	2	2	2	2	Seal ring C 16x20 steel asbestos
11	07 11 9932015	1	1	1	1	1	Plug cover f. bevel gear housing	38	11 13 0007108	2	2	1	1	1	1	Plug screw with thread M 16x1,5
12	07 11 9916565	1	1	1	1	1	Protect. cover f. bevel gear housing	38	11 13 0007162	-	-	1	1	1	1	Plug screw with magneto f. oil drain with thread M 16x1,5
13	07 11 9903530	4	4	4	4	4	Spring washer A 4 M									Brake for rear wheel
14	07 11 9932091	6	6	6	6	6	Half round screw AM 4 x 8 cr.									Brake spanner with washer
15	07 11 9921606	5	6	6	6	6	Stud M8 x 1 x 28 Sn-phr. black (E) for swing arm mount	39	34 21 3060216	1	1	1	1	1	1	Washer for brake spanner
							Spring washer B 8 for cover on bevel gear housing	40	34 21 3060107	1	1	1	1	1	1	Brake lever f. solo motorcycle
							Hex. nut M 8 x 1-6 S phr. black for cover	41	34 21 3060206	1	1	1	1	1	1	Star washer J 10,5 brake lever
16	33 12 3004315	1	-	-	-	-	Pinion bearings on bevel gear housing	42	07 11 9936226	1	1	1	1	1	1	Hex. nut M 10 x 1-6 S cad. for brake lever
17	33 12 3038240	1	-	-	-	-	Outer ring f. needle bearing	43	07 11 9921615	1	1	1	1	1	1	Upper brake shoes w. w. brake lining
18	33 12 3038244	28	-	-	-	-	Inner ring f. needle bearing	44	33 52 3060244	1	1	1	1	1	1	Brake lining for upper and lower brake shoes
19	33 12 3038245	1	1	1	1	1	Bearing needle									Copper rivet C3x10 steel copper, f. upper and lower brake shoes
20	33 12 3038198	1	1	1	1	1	JNA needle bearing	45	34 11 2060235	2	2	2	2	2	2	Lower brake shoes w. with brake lining
21	07 11 9982467	1	1	1	1	1	Spacer washer (thickness x)	46	07 11 9949213	18	18	18	18	18	18	Brake shoe spring
22	33 12 3038248	1	1	1	1	1	Taper roller bearing 3304 x	47	33 52 3060248	1	1	1	1	1	1	Cardon shaft w. universal joint
23	33 12 3038252	1	1	1	1	1	Spacer disc	48	34 11 2060237	2	2	2	2	2	2	Cardon shaft w. universal joint
24	33 12 3038257	1	1	1	1	1	Thrust id ring									Cardon shaft on transmission with output flange
25	33 12 3038260	1	1	1	1	1	Sea ring for shaft	49	26 11 3038032	1	1	1	1	1	1	Spring ring f. cardon shaft on trans.
26	33 12 3038264	1	1	1	1	1	Clutch hub									
							Locking plate for clutch hub on pinion									
27	07 11 9921630	1	1	1	1	1	Hex. nut M 14 x 1,5-6 S phr. black									
							Bevel gear bear. on bevel gear housing									
28	33 12 3004334	1	1	1	1	1	Spacer sleeve									
29	33 12 3004336	1	1	1	1	1	Seal ring									
29	33 12 3004337	1	1	1	1	1	Seal ring for shaft									
30	33 12 3004338	1	1	1	1	1	JNA needle bearing									
31	33 11 3004340	1	1	1	1	1	Pressure ring									



R 50 60
R 50/2 60/2
R 50 S
R 69
R 69 S

Fahrgestell
Frame
Châssis

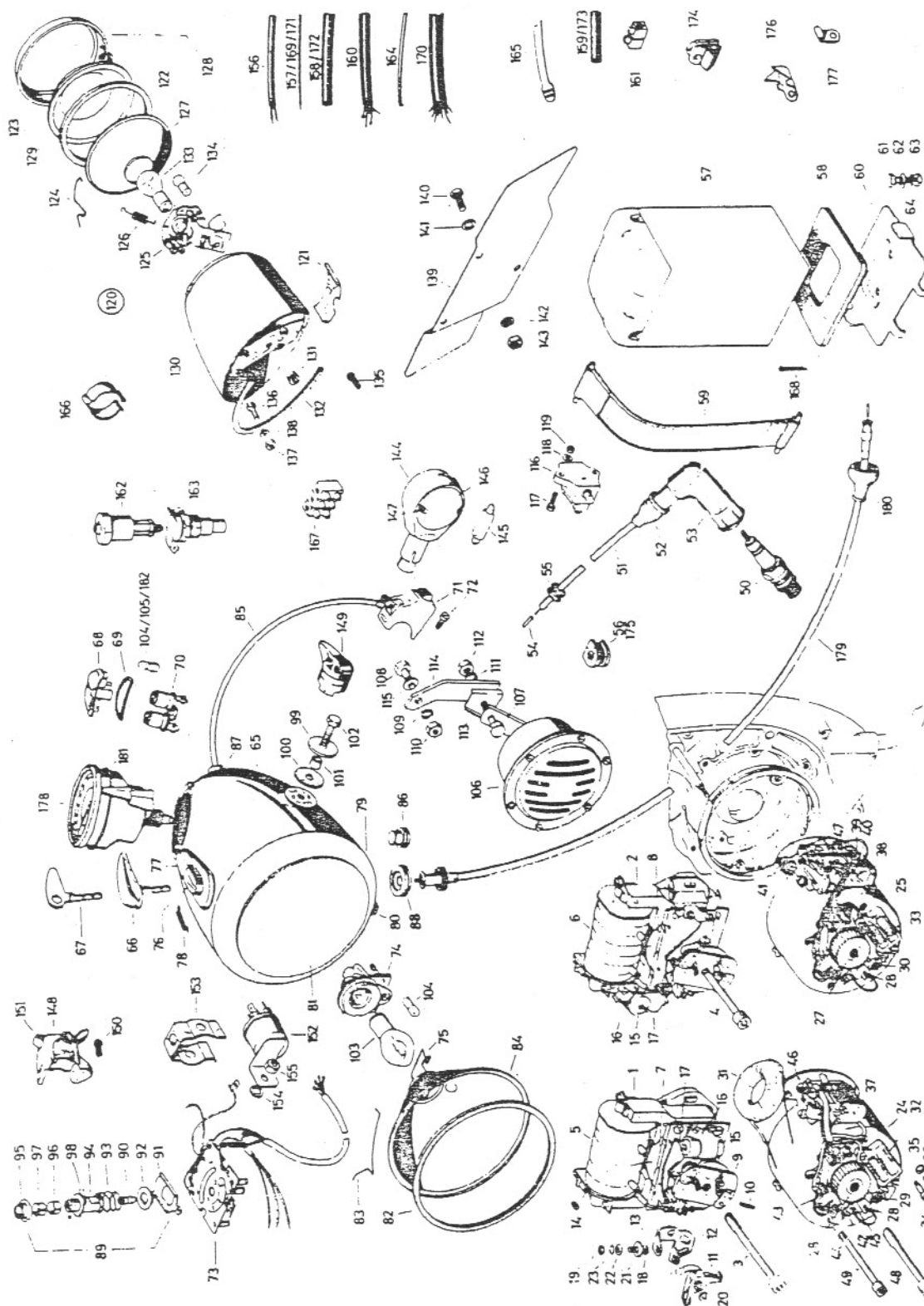
— Rahmen - Kippständer - Fußbremsbetätigung
— Frame - Center stand - Foot brake linkage
— Cadre - Béquille - Commande de frein à pied

	R				R				R				Denomination of parts
	50	50/2	50S	60	50	50/2	50S	60	50	50/2	50S	60	
1	46 51 4000043	1	1	1	1	1	1	1	1	1	1	1	Frame
2	07 11 9919229	1	1	1	1	1	1	1	1	1	1	1	Frame
3	45 31 4000134	1	1	1	1	1	1	1	1	1	1	1	Plug screw AM 14 x 1,5 Ball head f. sidecar attachment
4	46 52 4028047	1	1	1	1	1	1	1	1	1	1	1	Center stand
5	46 52 4028218	2	2	2	2	2	2	2	2	2	2	2	Center stand
6	46 52 4028135	1	1	1	1	1	1	1	1	1	1	1	Tension spring
7	07 11 9912620	2	2	2	2	2	2	2	2	2	2	2	Stop rubber
8	07 11 9931077	2	2	2	2	2	2	2	2	2	2	2	For attachment on frame
9	46 52 4028250	2	2	2	2	2	2	2	2	2	2	2	Hex. screw M 15 x 30-10 K phr. block
10	07 11 9922111	2	2	2	2	2	2	2	2	2	2	2	Washer 10,5 steel Spacer ring Hex. nut M 10-6 G phr. sw.
11													
12	35 21 4044032	1	1	1	1	1	1	1	1	1	1	1	Foot brake linkage
13	35 21 4044224	1	1	1	1	1	1	1	1	1	1	1	Foot brake lever w. bearing bolt
14	35 21 4044234	1	1	1	1	1	1	1	1	1	1	1	Control rod for foot brake
15													Lever for pressure rod and stop
16													light switch on foot brake lever
17	07 11 9936226	1	1	1	1	1	1	1	1	1	1	1	For lever to pressure rod and to stop light switch on foot brake lev.
18	07 11 9921615	1	1	1	1	1	1	1	1	1	1	1	Star washer J 10,5 Hex. nut M 10 x 1-6 S cad.
19													
20	07 11 9913455	1	1	1	1	1	1	1	1	1	1	1	For adjusting screw to brake light push button switch
21	07 11 9922053	1	1	1	1	1	1	1	1	1	1	1	Hex. screw M 6 x 15-8 G cad. Hex. nut M 6-6 S cad.
22													
23	35 21 4044258	1	1	1	1	1	1	1	1	1	1	1	Bellcrank lever on the swing arm
24	07 11 9912508	1	1	1	1	1	1	1	1	1	1	1	Bellcrank lever
25	35 21 4044266	1	1	1	1	1	1	1	1	1	1	1	Hex. screw M 8 x 45 S-8 G cad.
26	33 32 4544160	1	1	1	1	1	1	1	1	1	1	1	Bushing
27	07 11 9923231	1	1	1	1	1	1	1	1	1	1	1	Spacer washer
28	07 11 9945111	1	1	1	1	1	1	1	1	1	1	1	Castle nut M 8-6 S phr. black Cotter pin 2 x 20 steel
29													
30	07 11 9940396	1	1	1	1	1	1	1	1	1	1	1	For control rod on bellcrank lever
31	23 31 1066186	1	1	1	1	1	1	1	1	1	1	1	Bolt 8 h 11 x 22 x 19 cad.
32	07 11 9945090	1	1	1	1	1	1	1	1	1	1	1	Washer
33	07 11 9931650	1	1	1	1	1	1	1	1	1	1	1	Cotter pin 2 x 12 steel
34	34 21 4044137	1	1	1	1	1	1	1	1	1	1	1	For control rod on brake lever
35	34 21 4044133	1	1	1	1	1	1	1	1	1	1	1	Washer 6,4 steel
36	34 21 4044141	1	1	1	1	1	1	1	1	1	1	1	Pressure spring
37	34 21 4044115	1	1	1	1	1	1	1	1	1	1	1	Ring
38	07 11 9988819	3	3	3	3	3	3	3	3	3	3	3	Bolt
39	16 12 4084030	1	1	1	1	1	1	1	1	1	1	1	Thumb nut
40	16 12 4084110	1	1	1	1	1	1	1	1	1	1	1	Fuel piping and fuel cock
41	16 12 4084120	1	1	1	1	1	1	1	1	1	1	1	Fuel hose B 7 x 11 (between fuel tank halves 170 mm, to carburetor 170 mm, to car- buretor 330 mm)
42	16 12 4084115	1	1	1	1	1	1	1	1	1	1	1	Fuel cock with hose connection, nut and seal ring
43	16 12 4084178	1	1	1	1	1	1	1	1	1	1	1	Seal ring, separate
44	16 12 4084169	1	1	1	1	1	1	1	1	1	1	1	Quick connection nut, top
47	16 11 4080189	1	1	1	1	1	1	1	1	1	1	1	Screen
48	16 11 4080042	1	1	1	1	1	1	1	1	1	1	1	Hose connection (elbow)
49	16 11 4080270	1	1	1	1	1	1	1	1	1	1	1	Quick connection nut, bottom
50	07 11 9947463	3	3	3	3	3	3	3	3	3	3	3	Fuel tank
51	16 11 4080288	1	1	1	1	1	1	1	1	1	1	1	Knee pad
52	16 11 4080178	2	2	2	2	2	2	2	2	2	2	2	Knee pad
53	51 14 4080181	2	2	2	2	2	2	2	2	2	2	2	Fuel tank with tool chest
54	51 14 6040110	2	2	2	2	2	2	2	2	2	2	2	Cover for tool chest
55	07 11 9901310	4	4	4	4	4	4	4	4	4	4	4	Rivet 4 x 18 for tool chest cover
													Rubber gasket for cover
													Hinge bolt for tool chest
													Emblem
													Gasket for emblem
													Lens head countersunk screw M 4 x 8 brass, nickel plated

Denomination of parts		R 50		R 50/2 50 S		R 60		R 60/2		Denomination of parts		R 50		R 50/2 50 S		R 60		R 60/2		Denomination of parts	
Denomination of parts		R 50		R 50/2 50 S		R 60		R 60/2		Denomination of parts		R 50		R 50/2 50 S		R 60		R 60/2		Denomination of parts	
94	07 11 9913457	2	2	2	2	2	2	2	2	For fender on the front swing arm w. Hex. screw M 6 x 15-8 G phr. black	115	51 14 5096146	-	-	-	-	-	-	-	Emblem R 50 S	
95	07 11 9936135	2	2	2	2	2	2	2	2	Star washer J 6,4	115	51 14 5096147	-	-	-	-	-	-	-	Emblem R 60 S	
96	07 11 9922054	2	2	2	2	2	2	2	2	Hex. nut M 6-6 S phr. black	116	51 18 5076731	-	-	2	-	-	-	-	Rubber washer	
97	46 62 5096034	1	1	1	1	1	1	1	1	Rear fender	117	07 12 9926304	-	-	2	-	-	-	-	Spring nut 3,5	
98	46 62 5096277	1	1	1	1	1	1	1	1	Rear fender, kpl.	118	52 51 7002011	1	1	1	1	1	1	1	Seat	
99	46 62 5096118	1	1	1	1	1	1	1	1	Rear fender, rear part	119	52 51 7002166	1	1	1	1	1	1	1	Driver seat	
100	46 62 5096152	2	2	2	2	2	2	2	2	Hinge bolt	120	52 51 7002141	1	1	1	1	1	1	1	Seat carrier	
101	07 11 9933065	2	2	2	2	2	2	2	2	For clamp connection	121	07 11 9914364	1	1	1	1	1	1	1	Seat bearing (silent black)	
102	07 11 9911605	1	1	1	1	1	1	1	1	Cap nut	123	07 11 9922121	1	1	1	1	1	1	1	Hex. screw M 10 x 1 x 68-8 G phr. black	
103	07 11 9921606	1	1	1	1	1	1	1	1	Washer B, 4 steel cad.	124	52 51 7002155	1	1	1	1	1	1	1	Hex. nut M 10 x 1-6 S phr. black	
104	07 11 9921606	1	1	1	1	1	1	1	1	For fender on frame, bottom	125	52 51 7002190	1	1	1	1	1	1	1	Seat spring (rubber) w. shackles	
105	07 11 9913439	2	2	2	2	2	2	2	2	Hex. screw M 8 x 1 x 12-8 G phr. black	126	07 11 9913457	2	2	2	2	2	2	2	Spring buffer	
106	07 11 9936135	2	2	2	2	2	2	2	2	Hex. nut M 8 x 1-6 S phr. black	127	07 11 9913471	2	2	2	2	2	2	2	Seat spring attachment on frame and on seat carrier	
107	07 11 9922054	2	2	2	2	2	2	2	2	For fender on frame, upper	128	07 11 9932071	4	4	4	4	4	4	4	Hex. screw M 6 x 15-8 G phr. black	
108	07 11 9913439	2	2	2	2	2	2	2	2	Hex. screw M 6 x 12-8 G phr. black	129	07 11 9922054	4	4	4	4	4	4	4	Hex. screw M 6 x 18-8 G phr. black	
109	07 11 9936135	4	4	4	4	4	4	4	4	Star washer J 6,4	131	52 51 7002174	-	-	-	-	-	-	-	Spring washer B 6	
110	07 11 9922054	4	4	4	4	4	4	4	4	Hex. nut M 6-6 S phr. black	132	52 51 7002170	-	-	-	-	-	-	-	Hex. nut M 6-6 S phr. black	
111	07 11 9913444	4	4	4	4	4	4	4	4	For fender on frame, lining sleeve and telescopic leg, lateral	133	52 51 7002144	-	-	-	-	-	-	-	Sports pillion	
112	61 71 5096154	4	4	4	4	4	4	4	4	Star washer J 6,4	134	07 11 9913457	-	-	-	-	-	-	-	Shackle	
113	07 11 9912455	2	2	2	2	2	2	2	2	Hex. nut M 6-6 S phr. black	135	07 11 9936135	-	-	-	-	-	-	-	Shackle	
114	46 62 5096122	2	2	2	2	2	2	2	2	Hex. screw M 6 x 12-8 G chrome-plated (i. R 50, R 50/2 a. R 60/2 without luggage grip)	136	07 11 9922054	-	-	-	-	-	-	-	Rubber bushing	
										Blind screw for fender, without luggage grip	137	52 51 7002152	-	-	-	-	-	-	-	Shackle with spring bolt	
										Rubber plug for blind seal	138	52 53 7002180	-	-	-	-	-	-	-	For attach. of shackle w. spring bolt on rear fender - frame and spring sleeve	
										For fender on frame, lining sleeve and telescopic leg, lower	139	07 11 9936135	-	-	-	-	-	-	-	Hex. screw M 6 x 15-8 G phr. black	
										Hex. screw M 8 x 30-8 G phr. black	140	07 11 9922054	-	-	-	-	-	-	-	Star washer J 6,4	
										Shouldered hex. nut	141	52 51 7002148	-	-	-	-	-	-	-	Hex. nut M 6-6 S phr. black	
										Emblem on rear fender, rear part			-	-	-	-	-	-	-	For laminated spring, bottom on shackle with spring bolt	
													-	-	-	-	-	-	-	Rubber bushing	

	R 50	A 60/2	R 50S	R 60/2	D	Nomination of parts	R 50	A 60/2	R 50S	R 60/2	D	Nomination of parts
143	07 11 9934035	-	-	2	2	Circlip 8 x 0,8						
144	51 14 4034136	1	1	1	1	Erection	174	46 51 4034274	1	1	1	Upper screw connection (tube clamp on frame tube)
144	51 14 4034200	-	-	-	-	Name plate, neutral						Spacer tube
144	51 14 4034206	-	-	-	-	Name plate for R 50/2						Hex. screw M 8 x 32-8 G phr.
144	51 14 4034202	-	-	-	-	Name plate for R 60/2						black
144	51 14 4034204	-	-	-	-	Name plate for R 50 S						Hex. nut M 8-6 S phr. black
145	07 11 9916604	2	2	2	2	Name plate for R 69 S						
146	23 51 4034257	1	1	1	1	Half round screw M 5x6-5 S cad.						
147	07 11 9912192	1	1	1	1	Stop for kickstarter lever						
148	46 51 4034156	2	2	2	2	Hex screw M 5x30-8 G cad.						
149	07 11 9926111	1	1	1	1	Shim						
150	07 11 9922055	1	1	1	1	Star washer J 5,3						
						Hex. nut M 5-6 S cad.						
151	11 81 4034216	1	1	1	1	Engine and foot rest mounting						
152	11 81 4034224	1	1	1	1	Front engine mounting						
154	07 11 9922147	2	2	2	2	Bolt A						
155	46 51 4034227	1	1	1	1	Bushing A						
						Hex. nut M 12 x 1,5-6 S cad.						
						Spacer sleeve						
156	07 11 9922147	2	2	2	2	Rear engine and foot rest mount.						
157	46 51 4034227	1	1	1	1	Hex. nut M 12 x 1,5-6 S cad.						
158	46 51 4034210	1	1	1	1	Spacer sleeve						
159	46 51 4034260	1	1	1	1	Bolt V						
160	46 51 9034125	1	1	1	1	Foot rest						
161	46 51 9034128	2	2	2	2	Foot rest						
						Foot rest rubber						
						Additional rear foot rests for pilot seat						
162	46 53 4034150	-	-	2	2	Foot rests (right and left)						
164	07 11 9913891	-	-	2	2	Hex. screw M 12x25-8 G cad.						
165	46 51 9034128	-	-	2	2	Foot rests rubber						
						Engine support						
						Lower screw connection (Tube clamp on angle)						
166	46 51 4034278	1	1	1	1	Tube clamp with loop						
167	11 81 4034282	1	1	1	1	Angle						
168	16 11 4080145	1	1	1	1	Washer						
169	16 11 4080148	2	2	2	2	Rubber washer						
170	07 11 9912468	1	1	1	1	Hex. screw M 8 x 32 S-8 G cad.						
171	07 11 9923414	1	1	1	1	Castle nut M 8-6 S cad.						
172	07 11 9931065	1	1	1	1	Washer 8,4						

[illegible]



Elektrische Ausrüstung - Zündanlage - Magnetzünd-
 Electrical equipment - Ignition system - Magneto
 Installation électrique - Dispositif d'allumage - Magnéto

P 50 60
 R 50/2 60/2
 R 50 S
 R 60
 R 60 S

	R 50	R 60	N 50/2	R 50S	R 60S	Denomination of parts		R 50	R 60	N 50/2	R 50S	R 60S	Denomination of parts
						For spacer plate on battery carrier of frame							
61	07 11 9913441	2	2	2	2	Hex. screw M6 x 12-8 G cad.	89	61 32 8048100	1	1	1	1	Ignition lock in headlight
62	07 11 9931345	2	2	2	2	Washer 6,4	90	61 32 8048101	1	1	1	1	Ignition lock w. ignition key, Kpl.
63	07 11 9922053	2	2	2	2	Hex. nut M 6-6 S cad.	91	61 32 8048102	1	1	1	1	Guide bushing for key
64	07 11 9932076	2	2	2	2	Spring washer B 6	92	61 32 8048103	1	1	1	1	Contact plate
							93	61 32 8048104	1	1	1	1	Insulating ring on contact plate
							94	61 32 8048105	1	1	1	1	Coil spring f. contact plate
							95	61 32 8048106	1	1	1	1	Lock
							96	61 32 8048107	1	1	1	1	Seal sleeve
							97	61 32 8048108	1	1	1	1	Spring ring, outside
							98	07 11 9986240	2	2	2	2	Spring ring, inside
													Ball 4 Ø III

		Denomination of parts				Denomination of parts				Denomination of parts				
		R 60	R 50/2	R 50/2	R 60/2	R 60	R 50/2	R 50/2	R 60/2	R 60	R 50/2	R 50/2	R 60/2	R 60
120	63 26 8054111	1	1	1	1	1	1	1	1	1	1	1	1	1
121	63 26 8054121	1	1	1	1	1	1	1	1	1	1	1	1	1
122	63 24 8054123	1	1	1	1	1	1	1	1	1	1	1	1	1
123	63 24 8054125	1	1	1	1	1	1	1	1	1	1	1	1	1
124	63 24 8054127	4	4	4	4	4	4	4	4	4	4	4	4	4
125	63 24 8054130	1	1	1	1	1	1	1	1	1	1	1	1	1
126	63 24 8054131	1	1	1	1	1	1	1	1	1	1	1	1	1
127	63 24 8054133	1	1	1	1	1	1	1	1	1	1	1	1	1
128	63 24 8054134	1	1	1	1	1	1	1	1	1	1	1	1	1
129	63 24 8054135	1	1	1	1	1	1	1	1	1	1	1	1	1
130	63 24 8054118	1	1	1	1	1	1	1	1	1	1	1	1	1
131	13 11 2088552	1	1	1	1	1	1	1	1	1	1	1	1	1
132	13 72 0043809	1	1	1	1	1	1	1	1	1	1	1	1	1
133	07 11 9978381	1	1	1	1	1	1	1	1	1	1	1	1	1
134	07 11 9978220	1	1	1	1	1	1	1	1	1	1	1	1	1
135	07 11 9916620	3	3	3	3	3	3	3	3	3	3	3	3	3
136	07 11 9913227	4	4	4	4	4	4	4	4	4	4	4	4	4
137	07 11 9922036	3	3	3	3	3	3	3	3	3	3	3	3	3
140	07 11 9913222	3	3	3	3	3	3	3	3	3	3	3	3	3
141	07 11 9931033	3	3	3	3	3	3	3	3	3	3	3	3	3
143	07 11 9922036	3	3	3	3	3	3	3	3	3	3	3	3	3
144	63 13 8054159	2	2	2	2	2	2	2	2	2	2	2	2	2
145	07 11 9978302	2	2	2	2	2	2	2	2	2	2	2	2	2
146	63 13 8054160	2	2	2	2	2	2	2	2	2	2	2	2	2
147	63 13 8054161	4	4	4	4	4	4	4	4	4	4	4	4	4
148	61 31 8048152	1	1	1	1	1	1	1	1	1	1	1	1	1
149	61 31 8048182	1	1	1	1	1	1	1	1	1	1	1	1	1

SPECIAL EQUIPMENT

		R 50 60	R 50/2 60/2	R 50S 60	R 60S	Denomination of parts						Denomination of parts
171	07 11 9976426					Wire B 0,75 Cu, blue						Speedometer ratio = 0,86 with seal ring and bulb
171	07 11 9976429					Wire B 0,75 Cu, black violet						Speedometer ratio = 0,75 with seal ring and bulb
171	07 11 9976484					Wire B 1,5 Cu, black-red						Speedometer ratio = 0,75 with seal ring and bulb
171	07 11 9976485					Wire B 1,5 Cu, black						Speedometer ratio = 0,75 with seal ring and bulb
171	07 11 9976486					Wire B 1,5, brown						Speedometer ratio = 0,75 with seal ring and bulb
171	07 11 9976511					Wire B 2,5, red						Speedometer ratio = 0,75 with seal ring and bulb
172	07 11 9975260					Flexible insulation tubing B4x5 bl.						Speedometer ratio = 0,75 with seal ring and bulb
172	07 11 9975270					Flex. insulat. tubing B 5x6,2 bl.						Speedometer ratio = 0,75 with seal ring and bulb
172	07 11 9975282					Flex. insulat. tubing B 6x7,2 bl.						Speedometer ratio = 0,75 with seal ring and bulb
172	07 11 9975290					Flex. insulat. tubing B 7x8,4 bl.						Speedometer ratio = 0,75 with seal ring and bulb
172	07 11 9975300					Flex. insulat. tubing B 8x9,4 bl.						Speedometer ratio = 0,75 with seal ring and bulb
172	07 11 9975312					Flex. insulat. tubing B 9x10,4 bl.						Speedometer ratio = 0,75 with seal ring and bulb
172	07 11 9975332					Flex. insulat. tubing B 12x13,6 bl.						Speedometer ratio = 0,75 with seal ring and bulb
173	61 11 8070174	3	3	3	3	Rubber bushes						Speedometer ratio = 0,75 with seal ring and bulb
173	61 13 8070186	1	1	1	1	Rubber bushing f. insulation tubing B 4 x 5						Speedometer ratio = 0,75 with seal ring and bulb
173	61 13 8070188	6	6	6	6	Rubber bushing f. insulation tubing B 12 x 13,6						Speedometer ratio = 0,75 with seal ring and bulb
173	61 13 8070189	1	1	1	1	Rubber bushing f. insulation tubing B 6 x 7,2						Speedometer ratio = 0,75 with seal ring and bulb
173	61 13 8070220	7	7	7	7	Rubber bushing f. junction from insulating tubing B 12 x 13,6 to the insulation tubings B 6x7,2-B 8x9,4-B 9x10,4						Speedometer ratio = 0,75 with seal ring and bulb
174	61 13 8070224	1	1	1	1	Rubber bushing f. insulation tubing B 6 x 7,2						Speedometer ratio = 0,75 with seal ring and bulb
175	12 12 8036163	1	1	1	1	Rubber bushing f. battery carrier						Speedometer ratio = 0,75 with seal ring and bulb
176	61 13 8070138	2	2	2	2	Rubber bushing						Speedometer ratio = 0,75 with seal ring and bulb
176	61 13 8070139	1	1	1	1	Cable socket						Speedometer ratio = 0,75 with seal ring and bulb
177	61 13 8070190	2	2	2	2	Cable socket 5,3 clear span						Speedometer ratio = 0,75 with seal ring and bulb
177	61 13 8566123	2	2	2	2	Cable socket 6,4 clear span						Speedometer ratio = 0,75 with seal ring and bulb
178	62 12 8060076	1	1	1	1	Cable socket f. connection to charging indicator light and idle running light						Speedometer ratio = 0,75 with seal ring and bulb
178	62 12 8080058	1	1	1	1	Cable socket						Speedometer ratio = 0,75 with seal ring and bulb

		R					Denomination of parts			R					Denomination of parts
		50	50/2	50 S	60	60/2				50	50/2	50 S	60	60/2	
-	23 00 1000026	-	1	-	-	-	Transmission f. sidecar motorcyc.	-	-	40	40	40	40	40	Spoke (rear wheel) 4mm chr.-plat.
-	23 21 1040027	-	1	-	-	-	Transmission, Kpl.	-	-	40	40	40	40	40	Spoke, dull chrome-plated, front wheel (authorities)
-	23 22 1030148	-	1	-	-	-	Intermediary shaft	-	-	40	40	40	40	40	Spoke, dull chrome-plated, rear wheel (authorities)
-	23 22 1030144	-	1	-	-	-	Spur gear, third speed	-	-	40	40	40	40	40	Nipples M 4 brass, dull chrome-plated (authorities)
-	23 22 1030243	-	1	-	-	-	Spur gear, second speed	-	-	80	80	80	80	80	Rear wheel drive
-							Spur gear, first speed	-	-						For sidecar motorcycles
-	31 41 2054022	2	2	-	2	-	Front fork for sidecar motorcycles	-	-	1	1	1	1	1	Set bevel gear with pinion 26:6 teeth
-	31 42 2054023	-	-	2	-	2	Telescopic leg	-	-	1	1	-	-	-	Set bevel gear with pinion 27:7 teeth
-	31 41 2054009	2	2	2	2	2	Tension spring 6,3 Ø	-	-	1	1	-	-	-	For solo motorcycles
-	32 71 2072200	1	1	1	1	1	Handlebars f. sidecar motorcyc.	-	-	-	-	-	-	-	Set bevel gear with pinion 25:7 teeth f. special purposes
-							Handlebar	-	-						Brake lever for rear wheel
-	32 71 2072034	1	1	1	1	1	High handlebars	-	-	1	1	1	1	1	For sidecar motorcycles
-							High handlebars	-	-						Brake lever with threaded eye
-	61 71 5096154	1	1	1	1	1	Handlebar grips f. solo a. sidecar export motorcycles without blink.	-	-	1	1	1	1	1	Master brake cylinder
-							Tube end plug f. handlebars tubes 6,7 Ø	-	-	1	1	1	1	1	Wheel brake cylinder
-	32 72 2072353	1	1	1	1	1	Throttle twist grip (f. two cables) with brake lever	-	-	1	1	1	1	1	Telesc. leg f. rear wheel swing arm
-	32 72 2072177	1	1	1	1	1	Handlebar grip	-	-	1	1	1	1	1	For sidecar motorcycles
-	32 72 2072179	1	1	1	1	1	Tube end plug (rubber)	-	-	1	1	1	1	1	Telescopic leg
-							Bowden cables	-	-	2	2	2	2	2	Telescopic leg
-	21 52 2072322	1	1	1	1	1	For high handlebars	-	-	1	1	1	1	1	Suspension spring 7,6 Ø
-	34 11 2072346	1	1	1	1	1	Clutch control cable	-	-	1	1	1	1	1	Fuel tank
-	13 21 2072348	2	2	2	2	2	Hand brake cable	-	-	1	1	1	1	1	Sports tank, black varnished
-	12 12 2072368	-	-	-	-	-	Throttle gas control cable	-	-	1	1	1	1	1	Knee pad
-							Ignition advance cable	-	-	1	1	1	1	1	Knee pad
-	36 31 4038216	1	-	-	1	-	Wheels f. sidecar motorcycles For R 50 and R 69	-	-	1	1	1	1	1	Tool chest cover
-							Steel rim 3 x 18" chrome-plated, front wheel	-	-	1	1	1	1	1	Rubber gasket between tank and cover
-	36 31 4038204	40	-	-	40	-	Spoke (front wheel) 3,5 mm	-	-	2	2	2	2	2	Hinge bolt for rear hinge
-							Wheels f. sidecar motorcycles	-	-						For cover locking A
-	36 31 4038217	1	1	1	1	1	Steel rim 3 x 18" chrome-plated, front wheel	-	-	1	1	1	1	1	Stop screw
-	36 31 4038220	1	1	1	1	1	Steel rim 4 x 18" chrome-plated, rear wheel	-	-	2	2	2	2	2	Rubber washer
-							Spoke (front wheel) 4mm chr.-plat.	-	-	1	1	1	1	1	Key for stop screw
-	36 31 4038222	40	40	40	40	40		-	-	1	1	1	1	1	Seal ring A 10x16 steel phr. black
-								-	-	1	1	1	1	1	Seal ring A 10 x 16 rubber

	R 50	R 60	R 80/2	R 50/2	R 60	R 80/2	Denomination of parts	Denomination of parts ^a
-	32 71 2072302	2	2	2	2	2	For mounting a new sports tank are needed: Handle eye screws	Speedometer w. kilometer calibration (i = 26:6) ratio = 1,0 Speedometer w. mile calibration (i = 26:6) ratio = 1,6 Speedometer w. mile calibration with daily trip recorder (i = 26:6) ratio = 1,6
-	51 14 4034248	1	1	1	1	1	As required for Great Britain motorcycles License plate	Side stand
-	07 11 9944609	2	2	2	2	2	Half round notched nail 1,4 x 6	Side stand w. attachment parts Side stand with stop and bolt
-	62 12 8080092	1	1	1	1	1	Mile-speedometer for solo motor-cycles	Rubber stop
-	62 12 8080093	1	1	1	1	1	Speedometer (i = 32:11) ratio = 1,12	Bearing ball w. thread M 12x1,5 Bearing ball w. thread M 14x1,5
-	62 12 8080081	1	1	1	1	1	trip recorder ratio = 1,12	Washer
-	62 12 8080082	1	1	1	1	1	Speedometer (i = 25:8) ratio = 1,2	Cotter pin 3 x 25 Tension spring
-	62 12 8080048	-	-	-	-	-	Speedometer (i = 25:8) w. daily trip recorder ratio = 1,2	Sidecar attachment
-	62 12 8080049	-	-	-	-	-	Speedometer (i = 25:7) w. daily trip recorder ratio = 1,38	Sidecar attachment, Kpl. set
-	62 12 8080043	-	-	-	-	-	Speedometer (i = 25:8) w. daily trip recorder ratio = 1,2	Ball bolt Castle nut M 12x1,5-6 Sphr. black Eye screw A and V Washer Spring washer B 12 Hex. nut M 12-6 S cod.
-	62 12 8080047	1	1	1	1	1	Kilometer-speedometer f. solo motorcycles	Additional parts f. left attachm. Washer 13 steel Bushings A
-	62 12 8080079	1	1	1	1	1	Speedometer f. sidecar motor-cycles R 50, R 50/2 and R 50 S	Pillion seat and foot rests
-	62 12 8080040	1	1	1	1	1	Speedometer w. kilometer calibration (i = 26:6) ratio = 1,0 Speedometer w. mile calibration (i = 26:6) ratio = 1,6	Pillion seat f. saddle pack holder and luggage carrier with attachment parts
-	62 12 8080094	1	1	1	1	1	Speedometer w. mile calibration with daily trip recorder (i = 26:6) ratio = 1,6	For pillion seat on interm. plate Shim A Shim V Hex. screw M 8 x 28-8 G phr. black Spring washer B 8 Hex. nut M 8-6 S phr. black
-	62 12 8080095	1	1	1	1	1	R 60 and R 60/2	
-	62 12 8080096	1	1	1	1	1	Speedometer w. kilometer calibration (i = 27:7) ratio = 0,9 Speedometer w. mile calibration (i = 27:7) ratio = 1,44 Speedometer w. mile calibration with daily trip recorder (i = 27:7) ratio = 1,44	

		R 50 80	R 50/2 80/2	R 50S 80	R 60S	Denomination of parts							Denomination of parts
						For shim on saddle pack lug- page carrier							Hex. nut M 6 phr. black
72 60 9034210	1	1				Shim							Spring washer B 6
07 11 9932091	3	3				Spring washer B 8							Hex. screw M 5x10-8 G phr. black
07 11 9913621	3	3				Hex. screw M 8x15-8 G phr. black							Hex. nut M 5-6 S phr. black
													Washer 5,3
52 51 9034017	1	1				Pillion seat w. attachment parts (direct on rear fender)							Spring washer B 5
46 53 4034150	2	2				Additional foot rests see figur 8							Allenhead screw M 8x25-8 G phr. black
													Spring ring B 8
													Signal. equip. (Police motorcycle).
52 53 9034028	1	1	1	1	1	Double seat							Signal horn, low pitch
52 53 9034020	1	1	1	1	1	Double seat, extra large style (USA)							Signal horn, high pitch
52 53 9034021	1	1	1	1	1	Double seat, large style (USA)							Tone sequence instrument
52 53 9034111	1	1	1	1	1	Double seat, without attachment parts							Switch relay } obsolete type
52 53 9034110	1	2	2	2	2	Shackle A							Switch relay
						Shackle, lateral							Alarm switch
						For front attachment on frame							Dimmer switch (obsolete type)
07 11 9913470	2	2	2	2	2	Hex. screw M 6x18-8 G cad.							Movable safety fuse w. fusible piece 25
07 11 9932071	2	2	2	2	2	Spring washer B 6							Fusible piece 25
07 11 9922054	2	2	2	2	2	Hex. nut M 6-6 S cad.							Support f. tone sequence instru- ment with relay support
						Crash bars for cylinder							
71 60 9024159	-	1	1	1	1	Crash bars, chrome-plated							For tone sequence switch instru- ments on attachment housing
71 60 9024182	2	2	2	2	2	Attachment bow, upper							Hex. screw M 6x12-8 G phr. black
71 60 9024186	2	2	2	2	2	Attachment bow, lower							Countersunk screw M 6 x 10- 4 S phr. black
07 11 9922081	8	8	8	8	8	Hex. nut M 8-6 S cad.							Spring washer B 6
07 11 9932090	8	8	8	8	8	Spring washer B 8 cad.							Hex. nut M 6-6 G phr. black
71 60 9024190	1	1	1	1	1	Bolt f. engine mounting A							
07 11 9931065	8	8	8	8	8	Washer B, 4							
						Battery (Police motorcycles)							For attachment housing w. tone sequence instrument on frame
61 21 8042027	1	1	1	1	1	Battery 6 V 16 A hours							Hex. screw M 6x15-8 G phr. black
61 21 8042213	1	1	1	1	1	Shim							Spring washer B 6
61 21 8042211	1	1	1	1	1	Pad							Hex. nut M 6-6 G phr. black
						Siren							For signal horns on support for tone sequence equipment
71 60 9088100	1	1	1	1	1	Siren 6 Volts							Hex. screw M 10 x 25-8 G phr. black
71 60 9088101	1	1	1	1	1	Siren 12 Volts							Hex. nut M 10-6 S phr. black
61 31 9088110	1	1	1	1	1	Switch contactor 6 Volts							Spring washer B 10
71 60 9088111	1	1	1	1	1	Switch contactor 12 Volts							
61 33 9088170	1	1	1	1	1	Siren bracket w. attachment parts							
32 72 2072409	1	1	1	1	1	Horn push button, Kpl.							
61 11 9088129	1	1	1	1	1	Ground strap							Adjustable spot light

R 50 60		R 50/2 60/2		R 50S 60		R 60S		Denomination of parts		R 50 60		R 50/2 60/2		R 50S 60		R 60S		Denomination of parts	
-	71 60 9086100	1	1	1	1	1	1	1	Adjustable spot light	-	07 11 9913457	4	4	4	4	4	4	For suitcase rack on rear fender	
-	63 12 9086116	1	1	1	1	1	1	1	Spot light carrier  w. supp. bolt	-	07 11 9936135	4	4	4	4	4	4	Hex. screw M6x15-8 G phr. black	
-	63 12 9086117	1	1	1	1	1	1	1	As required: Carrier  with support bolts	-	07 11 9922054	4	4	4	4	4	4	Star washer J 6,4	
-	71 60 9086123	1	1	1	1	1	1	1	Front ring I adjustable spotlight	-	07 11 9913457	4	4	4	4	4	4	Hex. nut M 6-6 S phr. black	
-	71 60 9086104	1	1	1	1	1	1	1	Reflector	-								Hex. screw M 6 x 15-8 G phr. black, lateral on frame	
-	71 60 9086105	1	1	1	1	1	1	1	Supporting ring for reflector	-								Generator 6 V 75 W	
-	71 60 9086120	1	1	1	1	1	1	1	Glass, clear	-	12 31 8002032	-	1	1	1	1	1	Generator 6 V 75 W, Kpl.	
-	71 60 9086119	1	1	1	1	1	1	1	Glass, blue	-	11 14 0002178	-	1	1	1	1	1	Engine protecting cap	
-	71 60 9086121	1	1	1	1	1	1	1	Glass, red	-	11 11 0002195	-	2	2	2	2	2	Hex. nut f. engine protect. cap	
-	71 60 9086122	1	1	1	1	1	1	1	Glass, green	-	12 31 8002302	-	1	1	1	1	1	Field coil 1	
-	07 11 9978366	1	1	1	1	1	1	1	Bulb R 6 V 18 W	-	12 31 8002303	-	1	1	1	1	1	Field coil 2	
-	07 11 9978368	1	1	1	1	1	1	1	Bulb R 12 V 18 W	-	11 14 0002177	-	1	1	1	1	1	Engine protecting cap without silencer	
-	62 12 8050026	1	1	1	1	1	1	1	Headlight for France	-	12 31 8002304	-	1	1	1	1	1	Field coil 3	
-	63 12 8050150	1	1	1	1	1	1	1	Headlight, Kpl. without bilux bulb	-	12 31 8002305	-	1	1	1	1	1	Field coil 4	
-	63 12 8050132	1	1	1	1	1	1	1	Headlight lens	-	12 31 8002310	-	2	2	2	2	2	Carbon brushes + ord -	
-	63 12 8050161	1	1	1	1	1	1	1	Reflector	-	12 31 8002315	-	1	1	1	1	1	Armature	
-	63 12 8050169	1	1	1	1	1	1	1	Lamp base f. three pin socket	-	12 31 8002314	-	1	1	1	1	1	Allenhead screw for armature attachment	
-									Bilux bulb (yellow glass) B 6 V 35/35 W	-								Light equipment 12 Volts	
-	63 12 8050164	1	1	1	1	1	1	1	Asymmetric headlight	-	12 31 8002033	-	1	1	1	1	1	Electr. generator 12 V 100 W, Kpl.	
-	63 12 8050151	1	1	1	1	1	1	1	Asym. headlight, Kpl. without bulb	-	11 14 0002181	-	1	1	1	1	1	Engine protection cap	
-	63 12 8050165	1	1	1	1	1	1	1	Beam spread disc	-	11 14 0002187	-	1	1	1	1	1	Engine protecting cap	
-	63 12 8050167	1	1	1	1	1	1	1	Reflector	-	61 11 8066045	1	1	1	1	1	1	Wiring harness	
-	63 12 8050167	1	1	1	1	1	1	1	Lamp holder	-								Formount of a speedometer	
-	63 12 8050166	1	1	1	1	1	1	1	Front ring with screw	-	11 14 0002185	-	1	1	1	1	1	Engine protecting cap	
-	07 11 9978008	1	1	1	1	1	1	1	Bilux bulb A 6 V-45/40 W	-	12 31 8004101	-	1	1	1	1	1	Hex. screw for magnet rotor attachment	
-	07 11 9978243	3	3	3	3	3	3	3	Bulb H 6 V 2 W f. parking light, charging control and idle running indicator	-								Carbon brushes	
-									Luggage carrier	-	12 31 8002332	-	4	4	4	4	4	Pressure spring f. carbon brushes	
-	72 60 9034144	1	1	1	1	1	1	1	Luggage carrier, chrome-plated	-	12 41 8002532	-	4	4	4	4	4	Field coil 1	
-	07 11 9931066	2	2	2	2	2	2	2	Washer 8,4 pho. ge. f. luggage carrier on frame spring sleeve	-	12 31 8002340	-	1	1	1	1	1	Field coil 2	
-									For luggage carrier on rear fender	-	12 31 8002341	-	1	1	1	1	1	Field coil 3	
-	07 11 9913444	2	2	2	2	2	2	2	Hex. screw M6x12-8 G chrome-pl.	-	12 31 8002342	-	1	1	1	1	1	Field coil 4	
-	07 11 9936135	2	2	2	2	2	2	2	Star washer J 6,4	-	12 31 8002343	-	1	1	1	1	1	Armature	
-	07 11 9922054	2	2	2	2	2	2	2	Hex. nut M 6-6 S phr. black	-	12 31 8002330	-	1	1	1	1	1	Allenhead screw for armature mount	
-										-	12 31 8002314	-	1	1	1	1	1	Terminal plate, Kpl.	
-	46 54 5096214	1	1	1	1	1	1	1	Suitcase rack	-	12 31 8002339	-	1	1	1	1	1		
-									Suitcase rack, Kpl.	-									

	Denomination of parts					Denomination of parts					Denomination of parts				
	R 50 60	R 50/2 60/2	R 50S	R 69	R 89S										
-	07 11 991966	-	2	2	-	2	2	-	-	07 11 9978311	-	2	-	-	Bulb K 12 V 18 W f. blinker light
-	11 23 0070141	-	-	1	-	-	1	-	-	07 11 9978227	-	1	-	-	Bulb G 12 V 5 W f. license plate light
-	11 23 0070147	-	-	1	-	-	1	-	-	63 21 8554152	-	1	-	-	Bulb 12 V 20/5 W for stop light
-	11 23 0070148	-	-	1	-	-	1	-	-	61 11 8066045	-	1	-	-	Wiring harness 12 Volts, Kpl.
-	07 11 9932090	-	-	1	-	-	1	-	-	61 11 8066047	-	1	-	-	Wiring harness 12 V, Kpl. f. Al-
-	12 32 8002325	-	-	1	-	-	1	-	-	61 11 8066048	-	1	-	-	Wiring harness 12 V, Kpl. f. geria
-	07 11 9919358	-	-	4	4	-	4	-	-	62 13 8080150	-	1	-	-	Speedometer
-	07 11 9932060	-	-	4	4	-	4	-	-	62 13 8080152	-	1	-	-	Bell crank drive
-	65 12 8002335	-	-	1	1	-	1	-	-	62 13 8080154	-	1	-	-	Drive spiral
-	12 31 8008115	-	-	1	1	-	1	-	-	07 11 9932111	-	1	-	-	Spring washer B 10
-	07 11 9913228	-	-	1	1	-	1	-	-	34 32 4066130	-	1	-	-	Cable ribbon 180 mm long
-	07 11 9931404	-	-	2	2	-	2	-	-	62 13 8080155	-	1	-	-	For signal horn attachment
-	61 21 8042028	-	-	2	2	-	2	-	-	07 11 9913626	-	1	-	-	Attachment angle
-	61 21 8042140	-	-	2	2	-	2	-	-	23 51 1056122	-	1	-	-	Hex. screw M8x18-8 G cad.
-	61 21 8042111	-	-	2	2	-	2	-	-	-	-	-	-	-	Kickstarter lever
-	61 21 8042181	-	-	2	2	-	2	-	-	-	-	-	-	-	Plug for adaptor
-	61 21 8042230	-	-	1	1	-	1	-	-	61 13 8060106	-	1	1	1	Plug for connecting cable of sidcar
-	61 21 8042234	-	-	1	1	-	1	-	-	-	-	-	-	-	Gasket set
-	07 11 9919464	-	-	1	1	-	1	-	-	11 00 9090267	-	1	-	-	Gasket set
-	07 11 9936136	-	-	1	1	-	1	-	-	11 00 9090269	-	-	1	-	Gasket set
-	07 11 9922053	-	-	1	1	-	1	-	-	11 00 9090272	-	-	1	-	Gasket set
-	61 33 8046040	-	-	1	1	-	1	-	-	-	-	-	-	-	Wind shield
-	61 31 8048146	-	-	1	1	-	1	-	-	71 60 9038111	-	1	1	1	Wind shield without eye slit
-	07 11 9978025	-	-	1	1	-	1	-	-	71 60 9038115	-	1	1	1	Wind shield with eye slit
-	07 11 8878026	-	-	1	1	-	1	-	-	71 60 9038116	-	1	1	1	Wind shield without eye slit (f. motorc. without blinker light)
-	07 11 9978254	-	-	3	3	-	3	-	-	-	-	-	-	-	Tool
-	07 11 9978279	-	-	1	1	-	1	-	-	71 11 9090030	-	1	1	1	Tool bag w. tool and cleaning rag
-	-	-	-	-	-	-	-	-	-	71 11 9090140	-	1	1	1	Wrench for carburetor
-	-	-	-	-	-	-	-	-	-	71 11 9090108	-	1	1	1	Open ended wrench 8x10 SW
-	-	-	-	-	-	-	-	-	-	71 11 9090112	-	1	1	1	Open ended wrench 9x11 SW
-	-	-	-	-	-	-	-	-	-	71 11 9690009	-	1	1	1	Open ended wrench 13x14 SW
-	-	-	-	-	-	-	-	-	-	71 11 9090117	-	1	1	1	Open ended wrench 14x17 SW
-	-	-	-	-	-	-	-	-	-	71 11 9090122	-	1	1	1	Open ended wrench 19x22 SW
-	-	-	-	-	-	-	-	-	-	71 11 9090123	-	1	1	1	Open ended wrench 36x41 SW
-	-	-	-	-	-	-	-	-	-	71 11 9090157	-	1	1	1	Ring spanner 12x14 SW

		R 50 00	R 50/2 00	R 50 S	R 09	R 09 S	Denomination of parts	
-	71 11 9090125	1	1	1	1	1	Socket wrench 21x22 SW	
-	71 11 9090127	1	1	1	1	1	Socket wrench 14x19 SW	
-	71 11 9090147	1	1	1	1	1	Screw driver	
-	71 11 9090149	1	1	1	1	1	Screw driver	
-	71 11 9090104	1	1	1	1	1	Rod to remove wheel axle	
-	71 11 9090133	2	2	2	2	2	Tire iron	
-	71 11 9090135	1	1	1	1	1	Universal pliers	
-	71 11 9090139	1	1	1	1	1	Ring spanner for nuts	
-	71 11 9090154	1	1	1	1	1	Feeler gouge	
-	71 11 9090156	1	1	1	1	1	Ring spanner w. one open end 17x27 SW	
-	71 11 9090170	1	1	1	1	1	Motorcycle tire pump	
-	71 11 9090172	1	1	1	1	1	Rubber cap for tire pump	
-	71 11 9090174	1	1	1	1	1	Rubber insert for tire pump	
-	71 11 9090176	1	1	1	1	1	Rubber ring for tire pump	
-	71 11 9090178	1	1	1	1	1	Cap nut for tire pump	
-	32 32 9016009	1	1	1	1	1	Set of locks	
-	32 32 9016007	1	1	1	1	1	Set of locks f. steering and tool chest with two keys (not for sports tank)	
-	32 32 9016105	2	2	2	2	2	Lock for steering	
-	32 32 9016104	1	1	1	1	1	Key with stamped-on key number	
-	32 32 9016101	1	1	1	1	1	Pressure spring	
-	07 11 9933035	1	1	1	1	1	Closing cover	
-	07 11 9944650	1	1	1	1	1	Spring washer B 4 cad.	
-							Notched nail 4x10, dull chr. pladet	
-							BMW-badge with fender orna- ment	
-	07 11 9922026	2	2	2	2	2	Hex. nut M 4-6 S phr. black	
-	07 11 9936040	2	2	2	2	2	Star washer J 4,3	
-	07 11 9978220	1	1	1	1	1	Inspection lamp in bag	
-							Bulb G 6 V 5 W	
-	11 14 0002030	-	1	1	-	1	Belonging to revolution counter	
-	11 41 0052169	-	-	-	-	-	Gear housing cover	
-	11 14 0002170	-	1	1	-	1	Gear	
-	11 14 0002171	-	1	1	-	1	Cover	
-	07 11 9942161	-	-	-	-	-	Gasket	
-	11 41 0052165	-	-	-	-	-	Cylindrical pin 3m6 x 8 DIN 7	
-	62 13 8080151	-	1	1	-	1	Hex. nut	
-	62 13 8080153	-	1	1	-	1	Revolution counter	
-	62 13 8080156	-	1	1	-	1	Revolution counter set, Kpl.	
-		-	-	-	-	-	Drive spiral	