

P A R T S L I S T N O. 317

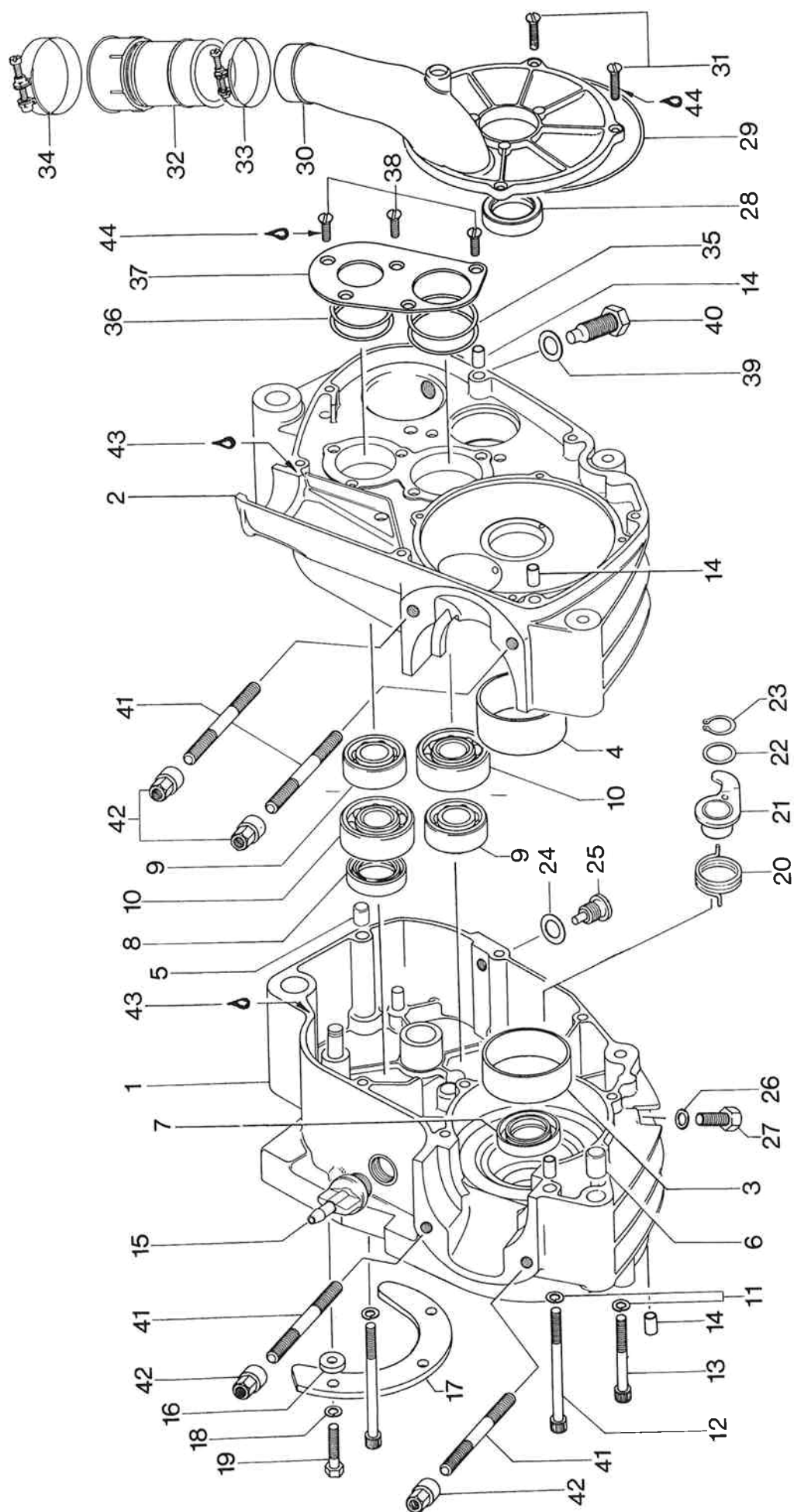
Motor Cycle - Engine

Type 124 MX

Our production 1979, your 1980 model

BOMBARDIER - ROTAX GMBH
A-4623 Gunskirchen/Austria

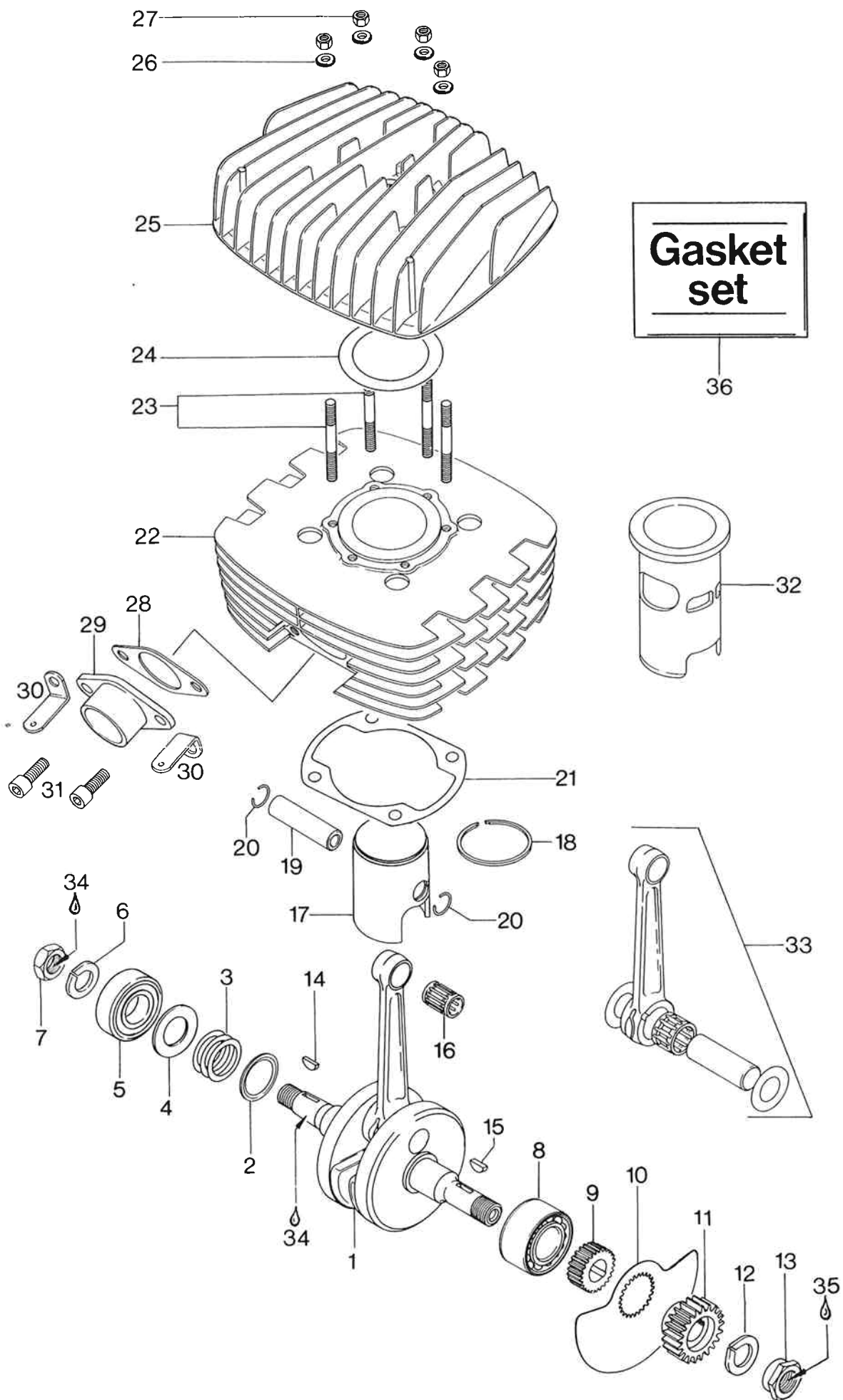
Phone: (07246) 271 Telex: 25546a Cables: BOMBROTAX GUNSKIRCHEN



Crankcase, Disk Valve Cover

Ill. No.	Part No.	Description	Qty.
1 - 6	292 301	crankcase assy.	1
3	260 390	ring, crankcase, magneto side	1
4	260 400	ring, crankcase, clutch side	1
5	229 140	dowel 9,8 Ø x 10, locating	1
6	229 160	dowel 13,8 Ø x 15, locating	1
7	230 395	seal, magneto side	1
8	230 421	seal, transmission main shaft	1
9	932 030	ball bearing 6203	2
10	932 432	ball bearing 6204	2
11	945 751	lock washer 6	10
12	241 870	screw, allen head M6 x 70	5
13	241 820	screw, allen head M6 x 45	5
14	949 900	dowel, locating	5
15	241 920	oil filler cap M18 x 1,5	1
16	247 240	spacer, chain guard	3
17	297 520	chain guard for sprocket 13 t.	1
17	297 521	chain guard for sprocket 14 t.	1
17	297 522	chain guard for sprocket 15 t.	1
18	945 751	lock washer 6	3
19	241 185	screw, hex. head M6 x 16	3
20	239 755	spring index	1
21	248 835	lever assy., index	1
22	227 800	washer	1
23	945 840	snapping, index	1
24	650 040	gasket ring	1
25	241 781	plug, magnetic drain	1
26	950 141	gasket ring	1
27	940 580	screw, hex. head M8 x 16, crankcase drain	1
28	230 425	seal, clutch side	1
29	230 310	O-ring, disk valve cover	1
30	212 430	disk valve cover	1
31	940 510	screw, countersunk slot head M5 x 16	4
32	267 810	adapter, carburetor	1
33	251 845	hose clamp, carburetor adapter	1
34	251 820	hose clamp, carburetor	1

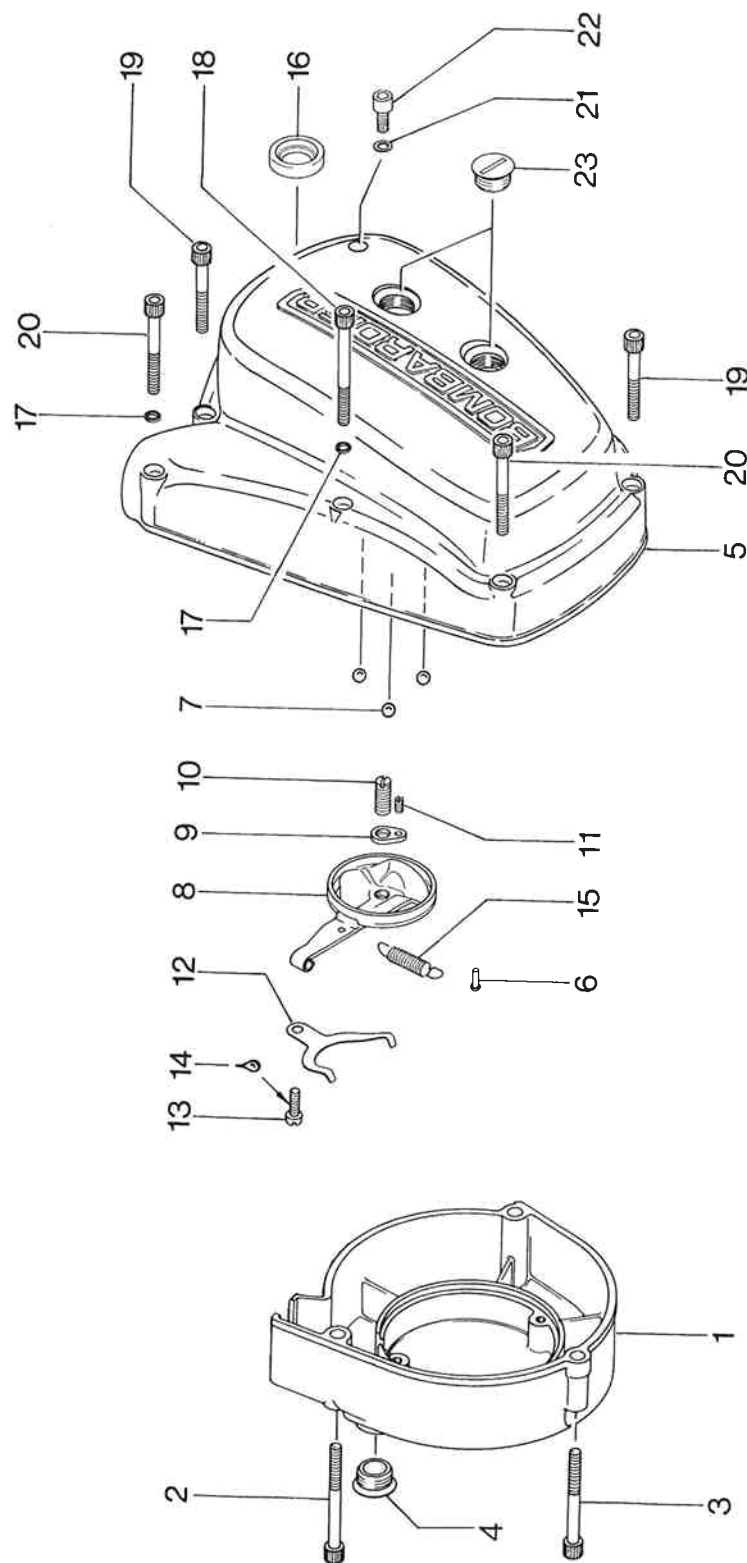
Ill. No.	Part No.	Description	Qty.
35	227 610	shim 0,5 mm, transmission clutch shaft bearing	as requ.
	227 611	shim 0,3 mm, transmission clutch shaft bearing	as requ.
	227 612	shim 0,1 mm, transmission clutch shaft bearing	as requ.
36	227 520	shim 0,5 mm, transmission main shaft bearing	as requ.
	227 521	shim 0,3 mm, transmission main shaft bearing	as requ.
	227 522	shim 0,1 mm, transmission main shaft bearing	as requ.
37	227 550	retaining plate, transmission bearing . .	1
38	940 315	screw, countersunk slot head M5 x 12 . .	5
39	650 040	gasket ring	1
40	241 775	screw, kick starter stop	1
41	240 210	stud M8 x 68, cylinder base	4
42	242 585	nut M8, cylinder base	4
43	899 682	LOCTITE 572 (white)	as requ.
44	899 783	LOCTITE 59 (violet)	as requ.



Crankshaft, Piston, Cylinder, Cylinder Head

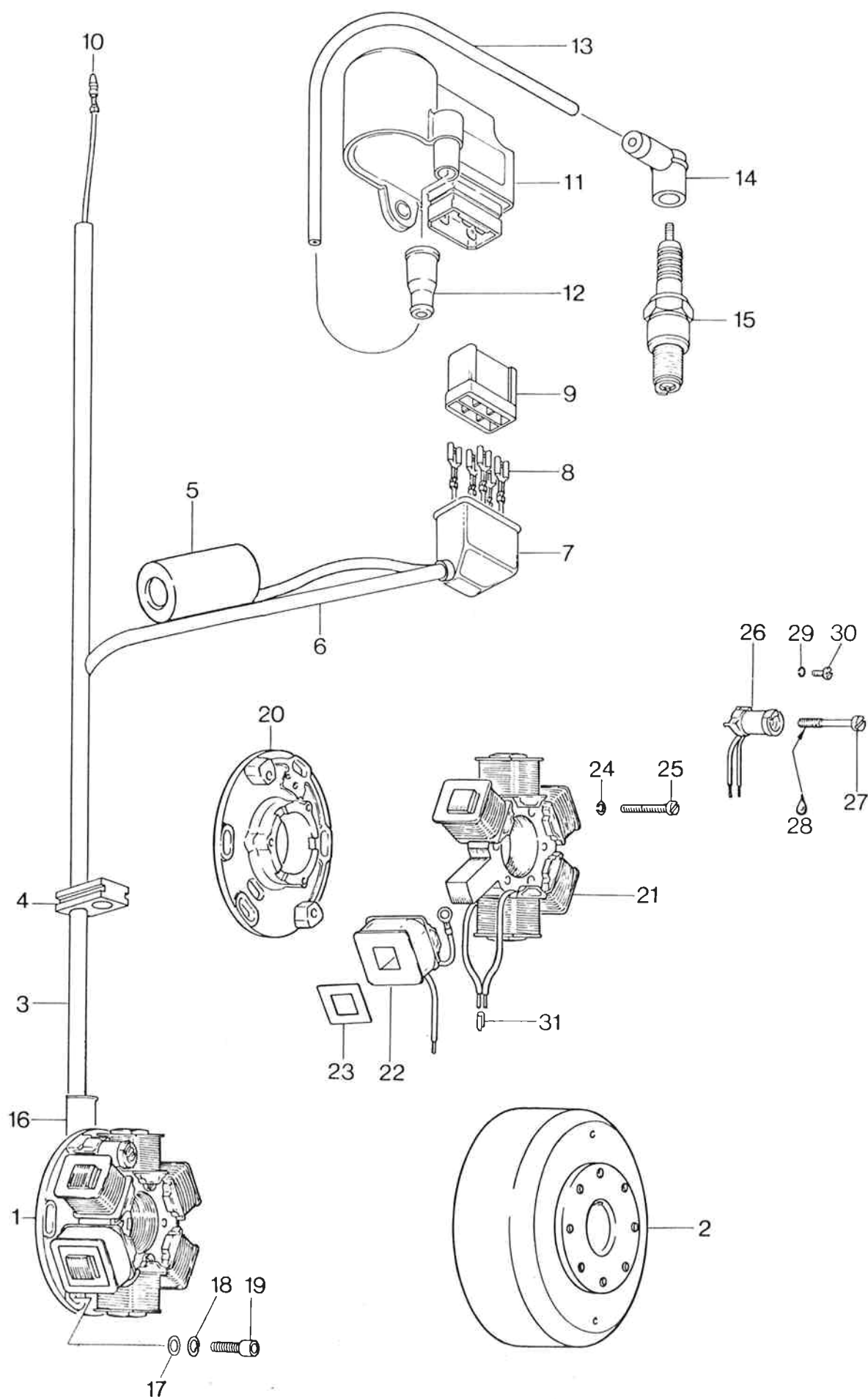
Ill. No.	Part No.	Description	Qty.
1,2	292 320	crankshaft assy.	1
2	827 550	distance ring, magneto side	1
3	944 470	shim 0,2 mm, crankshaft, magneto side .	as requ.
	944 471	shim 0,3 mm, crankshaft, magneto side .	as requ.
	944 472	shim 0,5 mm, crankshaft, magneto side .	as requ.
	944 474	shim 0,1 mm, crankshaft, magneto side .	as requ.
4	927 801	shim 25,5/41/0,8	1
5	232 761	ball bearing 6205, crankshaft, magneto side	1
6	945 756	lock washer 16	1
7	242 570	hex. nut M16 x 1,5, crankshaft, magneto side	1
8	232 750	ball bearing 3205, double row, crankshaft, clutch side	1
9	247 290	spacer, disk valve	1
10	224 105	disk valve	1
11,12,13	291 594	drive gear with clutch drum assy. (replace only drive gear with clutch drum assy.)	1
12	945 757	lock washer 18	1
13	242 615	nut M18 x 1,5, crankshaft, clutch side .	1
14	246 011	key, Woodruff, crankshaft, magneto side	1
15	246 570	key, Woodruff, crankshaft, clutch side .	1
16	932 904	needle bearing, piston pin	1
17,18	292 245	piston assy. w. ring 54,0 Ø, standard .	1
	292 246	piston assy. w. ring 54,25 Ø, 1st oversize	1
	292 247	piston assy. w. ring 54,5 Ø, 2nd oversize	1
	292 248	piston assy. w. ring 54,75 Ø, 3rd oversize	1
18	215 270	rectangular ring 54,0 Ø, standard . . .	1
	215 271	rectangular ring 54,25 Ø, 1st oversize .	1
	215 272	rectangular ring 54,5 Ø, 2nd oversize .	1
	215 273	rectangular ring 54,75 Ø, 3rd oversize .	1
19	216 100	piston pin	1
20	945 735	circlip, piston pin	2
21	230 552	gasket, cylinder base	1
22	213 155	cylinder w. sleeve assy.	1

Ill. No.	Part No.	D e s c r i p t i o n	Qty.
23	241 890	stud M7 x 33,5, cylinder head	6
24	230 360	shim, cylinder head	as requ.
25	213 170	cylinder head	1
26	227 570	washer 7,4, cylinder head nut	6
27	242 590	hex. nut M7, cylinder head	6
28	230 660	gasket, exhaust socket	1
29	273 742	exhaust socket	1
30	224 062	spring bracket	2
31	240 080	cyl. screw M8 x 25, exhaust socket . . .	2
32	213 165	cylinder sleeve	1
33	292 324	crankshaft repair kit	1
34	899 783	LOCTITE 59 (violet)	as requ.
35	899 780	LOCTITE 270 (green)	as requ.
36	292 154	gasket set	1



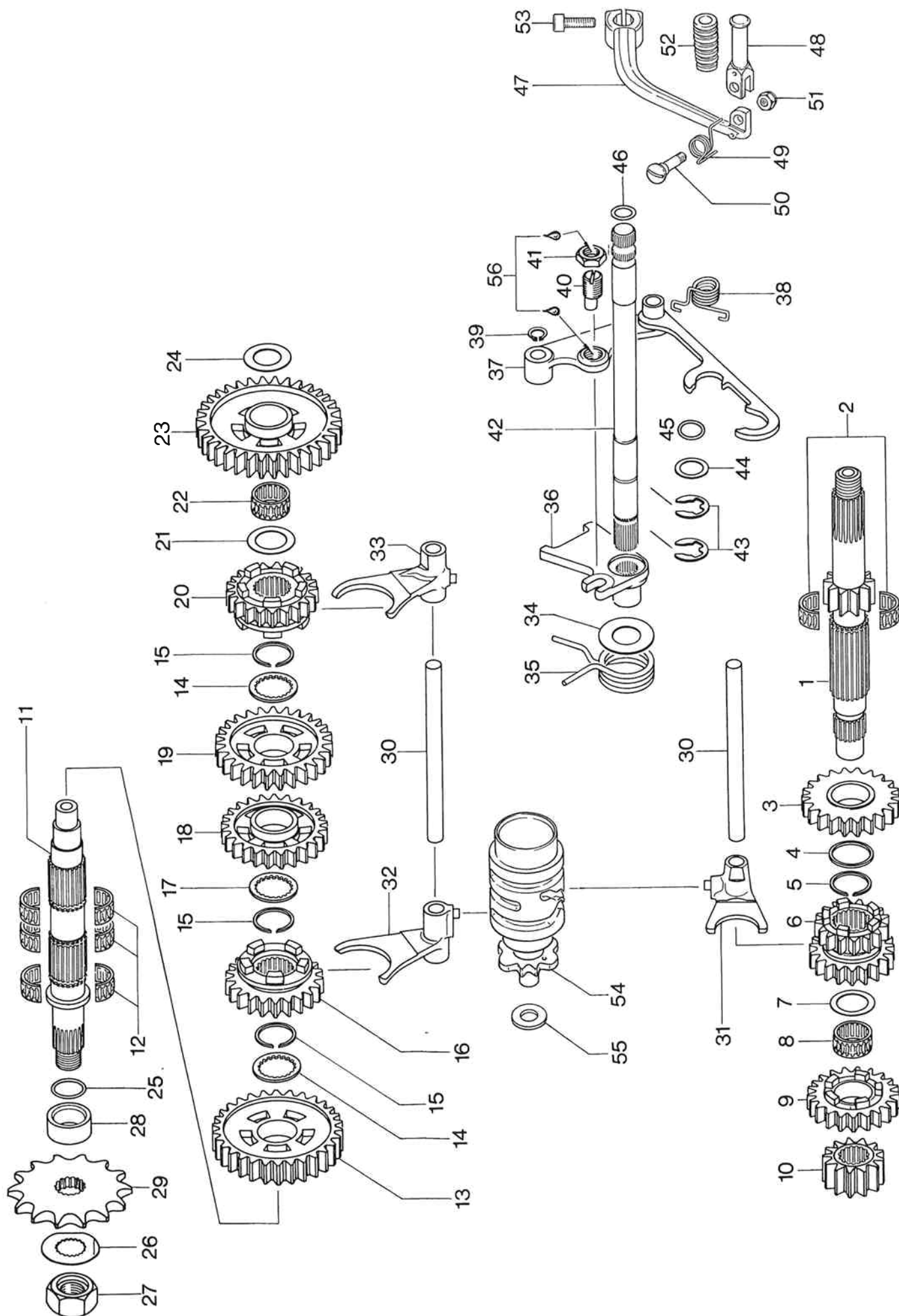
Magneto Cover, Clutch Cover

Ill. No.	Part No.	Description	Qty.
1	212 150	magneto cover	1
2	241 761	cyl. screw M6 x 50	2
3	241 821	cyl. screw M6 x 45	1
4	241 800	plug, adjustment	1
5 - 15	212 266	clutch cover assy.	1
6	949 030	drive pin 3 x 8	1
7	232 440	ball 7/32"	3
8	259 790	cam assy., clutch release	1
9	259 630	plate, clutch adjustment locking	1
10	241 791	screw M8 x 15, clutch adjustment	1
11	241 795	screw M4 x 6, clutch adjustment	1
12	239 660	spring, clutch cam retaining	1
13	240 560	screw, slot head M5 x 12	1
14	899 783	LOCTITE 59 (violet)	as requ.
15	239 630	spring, clutch cam return	1
16	230 355	seal, kick start shaft	1
17	830 890	sealing ring, clutch cover	2
18	241 761	screw, allen head M6 x 50	1
19	241 811	screw, allen head M6 x 35	5
20	241 816	screw, allen head M6 x 40	3
21	830 890	sealing ring, oil level plug	1
22	840 370	plug, oil level	1
23	241 800	plug, adjustment	2



Magneto Generator

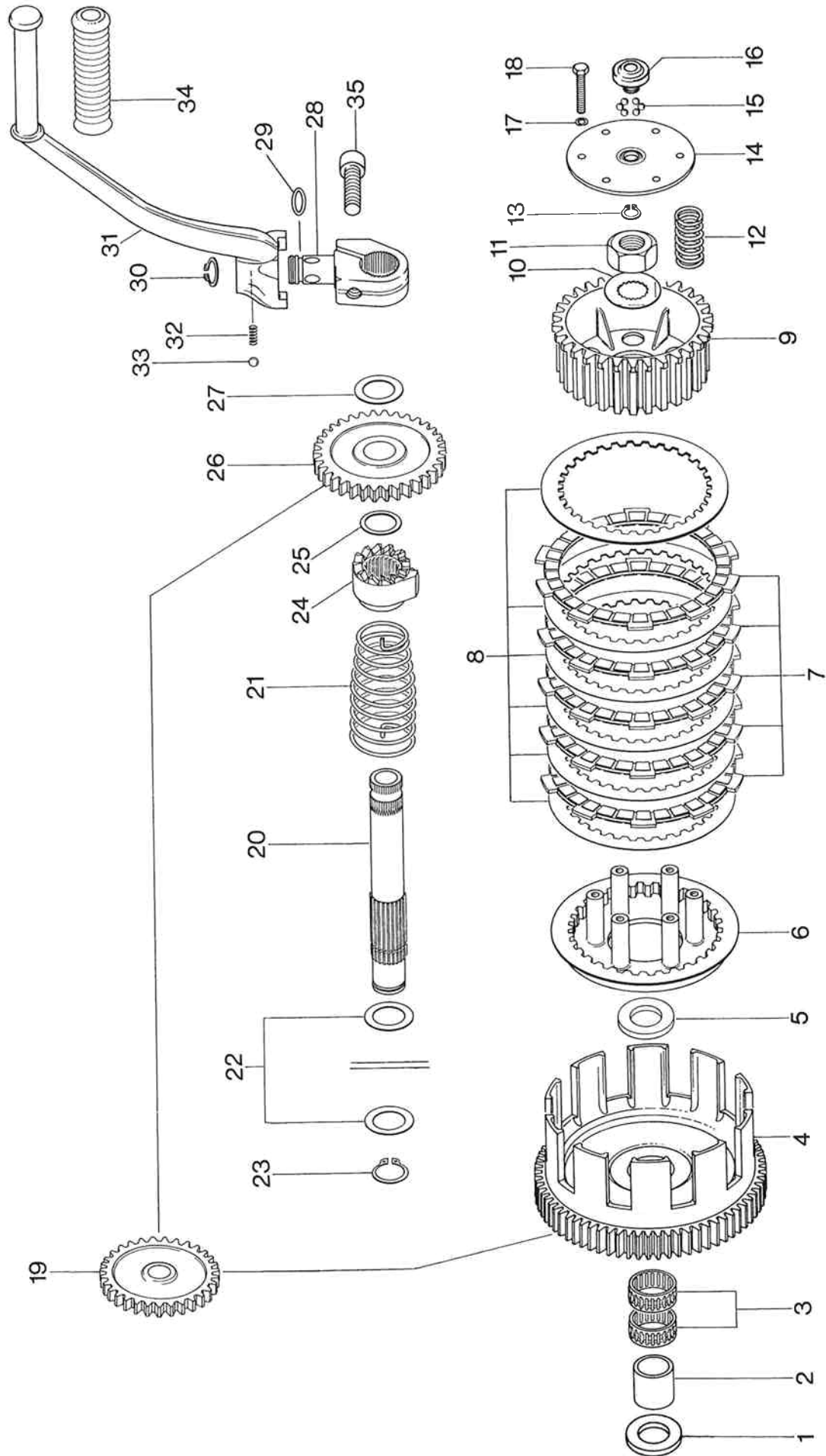
Ill. No.	Part No.	Description	Qty.
1 - 14	292 342	magneto generator assy.	1
1,3 - 10	292 282	stator plate assy.	1
2	292 273	flywheel assy.	1
3	260 433	protection hose 400 mm	1
4	260 345	cable grommet	1
5	264 710	timing box	1
6	260 462	protection hose 185 mm	1
7	960 791	protection cap	1
8	864 011	Faston connector	5
9	865 453	connector housing	1
10	964 062	contact pin	1
11 - 14	264 477	electronic box	1
12	960 550	protection cap	1
13	864 697	ignition cable 375 mm	1
14	865 200	spark plug protector	1
15	899 576	spark plug W300 T2	1
16	224 030	holder, cables	1
17	927 570	washer 5,3	2
18	945 750	lock washer 5	2
19	840 510	screw M5 x 16, allen head	2
20	866 245	stator plate alone	1
21,22,23	264 675	coil set with iron core assy.	1
22	866 230	charging coil	1
23	264 680	damping plate	1
24	945 758	lock washer 4	3
25	941 281	cyl. screw M4 x 25	3
26	264 665	trigger coil	1
27	840 915	cyl. screw M4 x 30	1
28	899 783	LOCTITE 59 (violet)	as requ.
29	245 090	lock washer 3	1
30	941 205	cyl. screw M3 x 6	1
31	264 530	cable terminal	1



Transmission

Ill. No.	Part No.	Description	Qty.
1 - 27	281 025	transmission assy.	1
1	237 467	clutch shaft, 12 t.	1
2	232 665	needle bearing assy., clutch shaft . . .	1
3	234 866	gear 6th, clutch shaft, 21 t.	1
4	227 470	thrust washer, clutch shaft	1
5	245 340	snapring, clutch shaft	1
6	234 971	gear 3rd/4th, clutch shaft, 17/19 t. . .	1
7	227 440	thrust washer, clutch shaft	1
8	232 660	needle bearing 20, clutch shaft	1
9	235 330	gear 5th, clutch shaft, 20 t.	1
10	235 305	gear 2nd, main shaft , 14 t.	1
11	237 417	main shaft	1
12	232 740	needle bearing 21, main shaft	3
13	235 316	gear 2nd, main shaft, 28 t.	1
14	227 460	thrust washer, main shaft	2
15	245 340	snapring, main shaft	3
16	235 340	gear 5th, main shaft, 24 t.	1
17	227 490	angular ring	1
18	235 320	gear 4th, main shaft, 26 t.	1
19	234 980	gear 3rd, main shaft, 27 t.	1
20	234 877	gear 6th, main shaft, 23 t.	1
21	944 468	thrust washer, main shaft	1
22	232 660	needle bearing 20, main shaft	1
23	234 945	gear 1st, main shaft, 32 t.	1
24	227 430	thrust washer, main shaft	1
25	230 400	O-ring, main shaft	1
26	245 320	washer, main shaft locking	1
27	242 605	hex. nut M18 x 1,5, main shaft	1
28	247 225	spacer, sprocket	1
29	236 952	sprocket, 15 t.	1
29	236 951	sprocket, 14 t.	1
29	236 950	sprocket, 13 t.	1
30	258 540	pin, shift fork guide	2
31	258 695	fork, shifting 5 - 6	1
32	258 685	fork, shifting 2 - 4	1
33	258 676	fork, shifting 1 - 3	1

Ill. No.	Part No.	Description	Qty.
34	427 070	thrust washer, transmission actuating lever	1
35	239 640	spring, transmission actuating lever . .	1
36	258 575	lever, transmission actuating	1
37	258 645	pawl assy.	1
38	239 650	spring, pawl	1
39	245 330	snapring 10 x 1	1
40	241 805	screw, pawl positioning	1
41	242 270	hex. nut M12 x 1, pawl positioning locking	1
42	237 436	shift shaft	1
43	945 790	retaining ring, shift shaft	2
44	944 851	thrust washer, shift shaft	1
45	230 451	O-ring, shift shaft	1
46	430 110	O-ring, shift shaft	1
47 - 51	248 915	shift lever assy.	1
47	248 910	shift lever	1
48	248 900	folding lever	1
49	239 770	spring	1
50	240 140	bearing screw M6 x 25	1
51	842 040	lock nut M6	1
52	260 540	rubber, shift lever	1
53	241 930	screw, allen head M6 x 20	1
54	258 735	shift drum assy.	1
55	827 265	washer, shift drum	1
56	899 783	LOCTITE 59 (violet)	as requ.



Clutch, Kick Start

Ill. No.	Part No.	Description	Qty.
1	227 600	thrust washer, inner, clutch drum	1
2	232 700	inner race, clutch drum	1
3	232 650	needle bearing, clutch drum	2
4	291 594	drive gear with clutch drum assy. (re- place only drive gear with clutch drum assy.)	1
5	227 600	thrust washer, outer, clutch drum	1
6	259 570	plate, clutch, inner pressure	1
7	259 560	plate, clutch, friction	5
8	259 555	plate, clutch, outer pressure	6
9	259 547	clutch hub	1
10	245 320	washer, transmission shaft locking	1
11	242 605	hex. nut M18 x 1,5, transmission shaft	1
12	239 625	spring, clutch (change springs only set- wise)	6
13 - 16	259 596	plate, clutch spring retaining with hub assy.	1
13	245 330	snapping 10 x 1	1
14	259 590	plate, clutch spring retaining	1
15	932 990	ball 5/32"	12
16	259 705	hub, clutch spring retaining	1
17	945 750	lock washer 5	6
18	241 770	screw, hex. head M5 x 25	6
19	235 205	gear, kick start idler, 31 t.	1
20	237 425	kick start shaft	1
21	239 760	spring, kick start return	1
22	944 468	thrust washer	2
23	945 660	snapping, kick start shaft	1
24	228 185	ratchet gear, kick start	1
25	227 480	thrust washer, kick gear	1
26	235 215	gear, kick start drive, 34 t.	1
27	944 468	thrust washer, kick start	1
28 - 34	248 870	lever assy., kick start	1
28 - 30	248 809	hub assy., kick start	1
29	230 461	O-ring	1
30	945 845	snapping, kick start lever	1
31	248 794	lever, kick start	1

Ill. No.	Part No.	D e s c r i p t i o n	Qty.
32	239 535	spring, kick start lever	1
33	232 440	ball 7/32", kick start lever	1
34	260 210	rubber sleeve, kick start	1
35	840 991	cyl. screw M8 x 30	1

Tools

Ill. No.	Part No.	Description	Qty.
1 - 10	277 780	tool kit, owners	1
1	276 065	fork wrench 10/13 mm	1
2	876 220	socket wrench 11/13 mm	1
3	277 411	socket wrench 17/21 mm	1
4	277 790	wrench 4, int. hex. screw	1
5	876 360	wrench 5, int. hex. screw	1
6	277 810	wrench 6, int. hex. screw	1
7	277 830	insert for screw driver	1
8	277 840	grip for screw driver	1
9	277 825	ring wrench	1
10	876 195	tool bag	1
11	277 850	oil seal insertion jig, to mount oil seal 230 355	1
12	277 861	oil seal insertion jig, to mount oil seal 230 395	1
13	277 870	oil seal insertion jig, to mount oil seal 230 421	1
13	277 875	oil seal insertion jig, to mount oil seal 230 425	1
14	277 885	clutch hub locking tool	1
15	876 296	puller assy. for bearing on crankshaft .	1
16	277 890	ringhalf for puller	2
17	977 480	ring for puller	1
18	840 680	cyl. screw w. int. hex. M8 x 40	2
19	277 807	puller assy. for flywheel	1
20	277 915	assembly trestle	1
21	241 965	locating bolt for crankshaft	1
22	276 190	plastic ring insertion jig, clutch side	1
23	276 200	plastic ring insertion jig, magneto side	1
24	276 910	plate for puller, crankcase half	1
25	840 351	cyl. screw M5 x 20	4
26	276 920	protection cap	1