

Paragraph	Page
Installing new fan belt.....	24
Splitting the engine: removing engine from oil base	25
Cylinders and pistons.....	26
Connecting rods and bearings.....	27
Oil baffle plate and oil pump.....	28
Fitting main bearing.....	29
Crankshaft and camshaft gear tuning.....	30
Replacing engine on oil base.....	31

SECTION II. Generator and flywheel.

Removing brush holder bracket.....	32
Removing collector rings and armature.....	33
Removing field coils.....	34
Testing the generator.....	35
Removing flywheel.....	36

PART SEVEN. Supplementary data.

Table of replaceable parts.....	37
List of manufacturers.....	38

LIST OF ILLUSTRATIONS

Fig. No.	Title	Page
1	1½-KVA Kohler Power Unit, magneto side.....	2
2	1½-KVA Kohler Power Unit, exhaust side.....	3
3	Outline dimensional sketch.....	4
4	Typical installation of unit in building.....	7
5	Filling the crankcase.....	10
6	Testing oil level with hayonet gauge.....	10
7	Draining the crankcase.....	13
8	Checking spark gap.....	13
9	Carburetor assembly.....	16
10	Fuel pump and strainer assembly.....	17
11	Air cleaner and cylinder head assembly.....	18
12	Governor assembly.....	19
13	Generator with end cover removed.....	20
14	Fan assemblies.....	22
15	Radiator assembly.....	32
16	Generator outline sketch, side view.....	33

Fig. No.	Title	Page
17	Generator outline sketch, end view.....	34
18	Wiring diagram, with ignition ground switch on switch box.....	35
19	Wiring diagram, with ground button on magneto.....	36
20	Rocker arm assembly, with push rods.....	38
21	Removing cylinder head.....	39
22	Cylinder head and exhaust manifold.....	40
23	Grinding valves.....	41
24	Adjusting valve clearance.....	43
25	Magneto, cross section view.....	44
26	Installing new fan belt.....	45
27	Splitting the engine: removing engine from oil base.....	47
28	Fitting new piston with shim.....	49
29	Fitting piston pin.....	50
30	Fitting connecting rod bearings.....	51
31	Measuring oil dip of connecting rod.....	52
32	Checking ballie plate height in crankcase.....	53
33	Corner meshing of camshaft and crankshaft gears.....	54
34	Generator, with brush holder bracket and switchbox removed from generator frame.....	56
35	Removing collector rings from armature shaft.....	57
36	Removing armature from shaft.....	58
37	Removing field coils.....	59
38	Removing flywheel.....	61
39	Flywheel removed, showing split cover.....	62
40	Oil base assembly.....	63
41	Piston and connecting rod assembly.....	64
42	Cylinder block assembly.....	65
43	Cylinder block assembly.....	66
44	Crankshaft assembly.....	67
45	Camshaft assembly and starting crank.....	68