



Installation and Owner's Manual

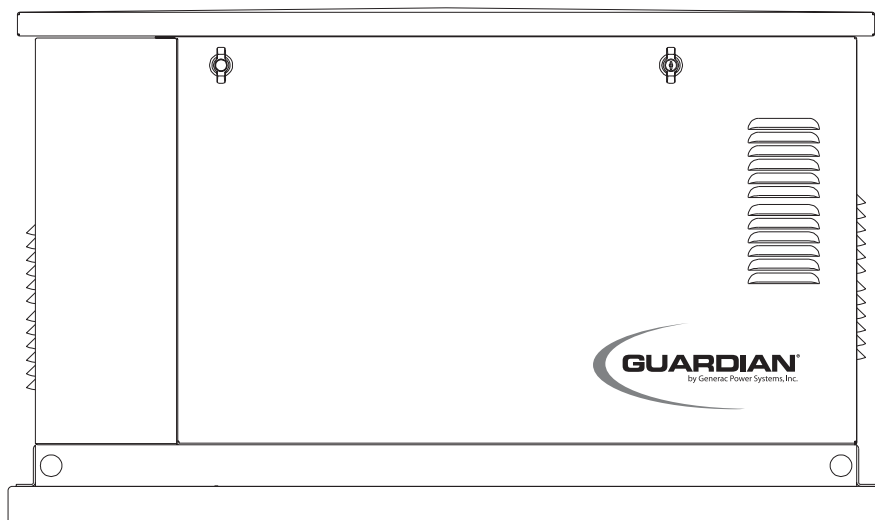
Air-cooled Automatic Standby Generators

Models:

04758-2 (6 kW NG, 7 kW LP)

04759-2 (12 kW NG, 12 kW LP)

04760-2 (13 kW NG, 15 kW LP)



This manual should remain with the unit.



Not intended for use as Primary Power in place of utility or in life-support applications.

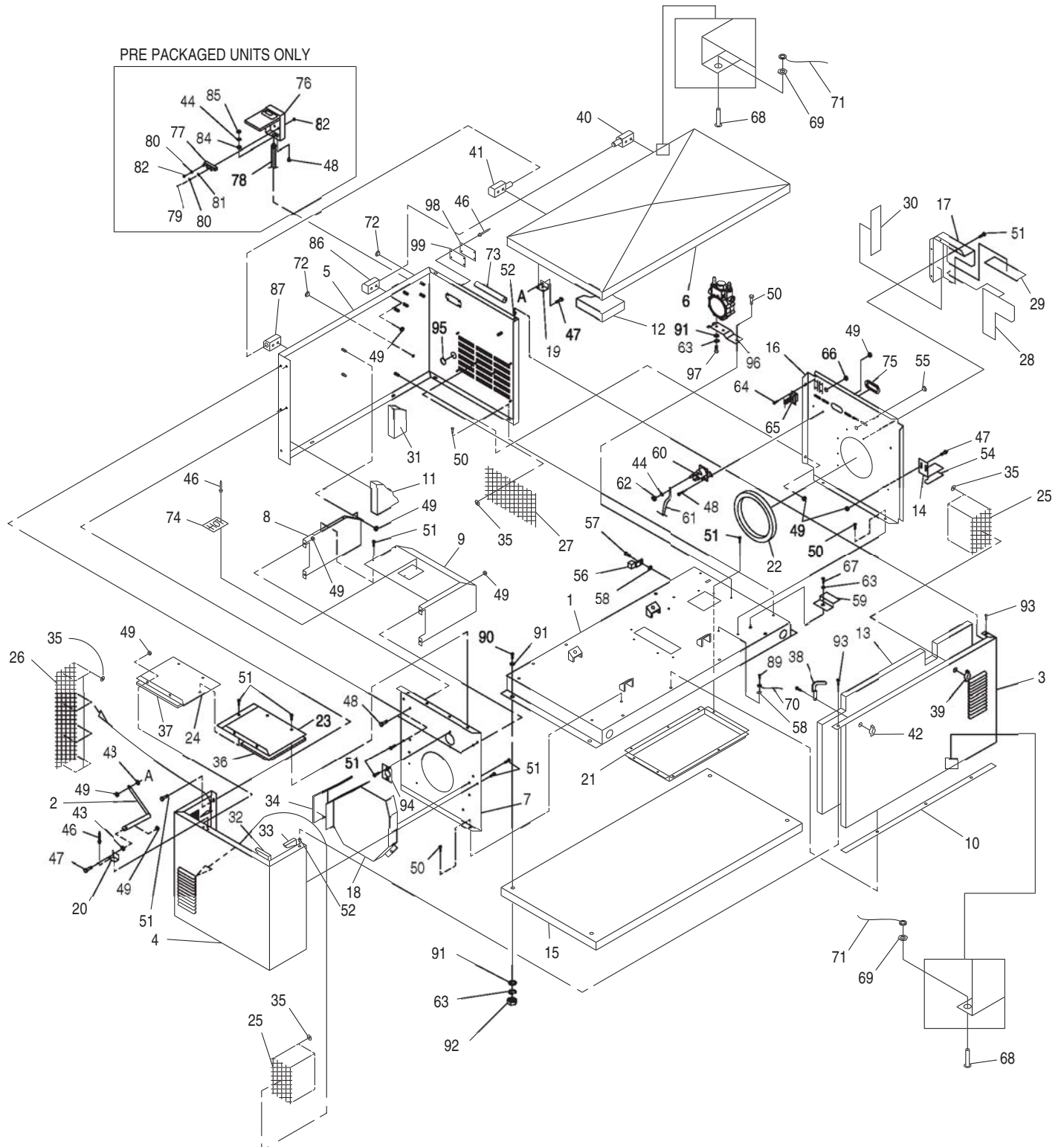


— ! DANGER ! —

DEADLY EXHAUST FUMES. OUTDOOR INSTALLATION ONLY!

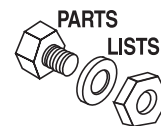
Section 7 — Exploded Views and Parts Lists

**Air-cooled 7 kW, 12 kW and 15 kW Generators
Enclosure – Drawing No. 0F0080-C**



Section 7 — Exploded Views and Parts Lists

**Air-cooled 7 kW, 12 kW and 15 kW Generators
Enclosure – Drawing No. 0F0080-C**



ITEM PART NO. QTY. DESCRIPTION

1	0C6140	1	ASSEMBLY, ENCLOSURE BASE
	0D1901	1	ASSEMBLY, ENCLOSURE BASE (7KW)
2	0C6735	2	SUPPORT, ROOF FOLDING
3	0F0063	1	ENCLOSURE, FRONT
4	0C7062	1	ENCLOSURE, EXHAUST SIDE
	0C7062A	1	ENCLOSURE, EXHAUST SIDE (7KW)
5	0E8811	1	ENCLOSURE, SIDE & BACK
	0E8811A	1	ENCLOSURE, SIDE & BACK (7KW)
6	0E9873	1	ENCLOSURE, ROOF
7	0C7065	1	PANEL, ALTERNATOR DIVIDER
	0C7065A	1	PANEL, ALTERNATOR DIVIDER (7KW)
8	0C8101A	1	PANEL, MUFFLER BOX SIDE
	0C8861	1	PANEL, MUFFLER BOX SIDE (7KW)
9	0C8101B	1	COVER, MUFFLER BOX
	0C8862	1	COVER, MUFFLER BOX (7KW)
10	0C8283	1	GASKET, DOOR SEAL
11	0C8284A	1	FOAM, BACK ENCLOSURE
12	0C8284B	1	FOAM, ROOF ENCLOSURE
13	0C8284C	1	FOAM, FRONT ENCLOSURE
14	0C8285	1	BRACKET, BATTERY SUPPORT
15	0C8899A	1	PAD, 24"X48" WITH MOUNTING HOLES
16	0D1128	1	PANEL, ENGINE DIVIDER
	0D1128A	1	PANEL, ENGINE DIVIDER (7KW)
17	0E4244	1	BAFFLE, INTAKE
	0D1605A	1	BAFFLE, INTAKE (7KW)
18	0D1606	1	HOUSING, FAN
	0D5264	1	BAFFLE, EXHAUST (7KW)
19	0D1839	2	BRACKET, TOP SUPPORT
20	0D1840	2	BRACKET, BOTTOM SUPPORT
21	0D2425	1	DUCT, BASE AIR
22	0D2588	1	GASKET, FRONT DIVIDER
	0D2588A	1	GASKET, FRONT DIVIDER (7KW)
23	0D2676	1	COVER, FRONT EXHAUST ENCLOSURE
24	0D2677	1	COVER, BACK EXHAUST ENCLOSURE
25	0D2979B	2	CLOTH, HARDWARE 266.7mm x 146mm
	0D2979B	3	CLOTH, HARDWARE 266.7mm x 146mm (7KW)
26	0D2979C	1	CLOTH, HARDWARE 543mm x 146mm
27	0D2979D	1	CLOTH, HARDWARE 266.7mm x 387.4mm
	0D2979E	1	CLOTH, HARDWARE (7KW)
28	0E4245	1	FOAM, FRONT INTAKE BAFFLE
	0D3058A	1	FOAM, FRONT INTAKE BAFFLE (7KW)
29	0E4245A	1	FOAM, TOP INTAKE BAFFLE
30	0E4245B	1	FOAM, BACK INTAKE BAFFLE
	0D3058C	1	FOAM, BACK INTAKE BAFFLE (7KW)
31	0D3057D	1	FOAM, BACK ENCL. STRIP
32	0D3059A	1	FOAM, EXHAUST SIDE ENCLOSURE END
33	0D3059B	1	FOAM, EXHAUST SIDE ENCLOSURE FRONT
34	0D3059C	1	FOAM, EXHAUST FAN HOUSING
35	0D7176	24	WASHER, SELF LOCKING
		22	WASHER, SELF LOCKING (7KW)
36	0D3059D	1	FOAM, FRONT EXHAUST ENCL. COVER
37	0D3059E	1	FOAM, BACK EXHAUST ENCLOSURE COVER
38	0C7781A	2	DOOR, PAWL
39	0D3037	1	LATCH, QUARTER TURN LOCKING
40	0F0164	1	HINGE TYPE A WITH STUDS, PIN
41	0F0165	1	HINGE TYPE B WITH STUDS, PIN
42	0D3037A	1	LATCH, QUARTER TURN NON-LOCKING
43	0A2115	4	WASHER NYLON .250"
44	022097	1	WASHER LOCK M6-1/4"
46	0F0710	18	RIVET POP 0.125 X 0.337

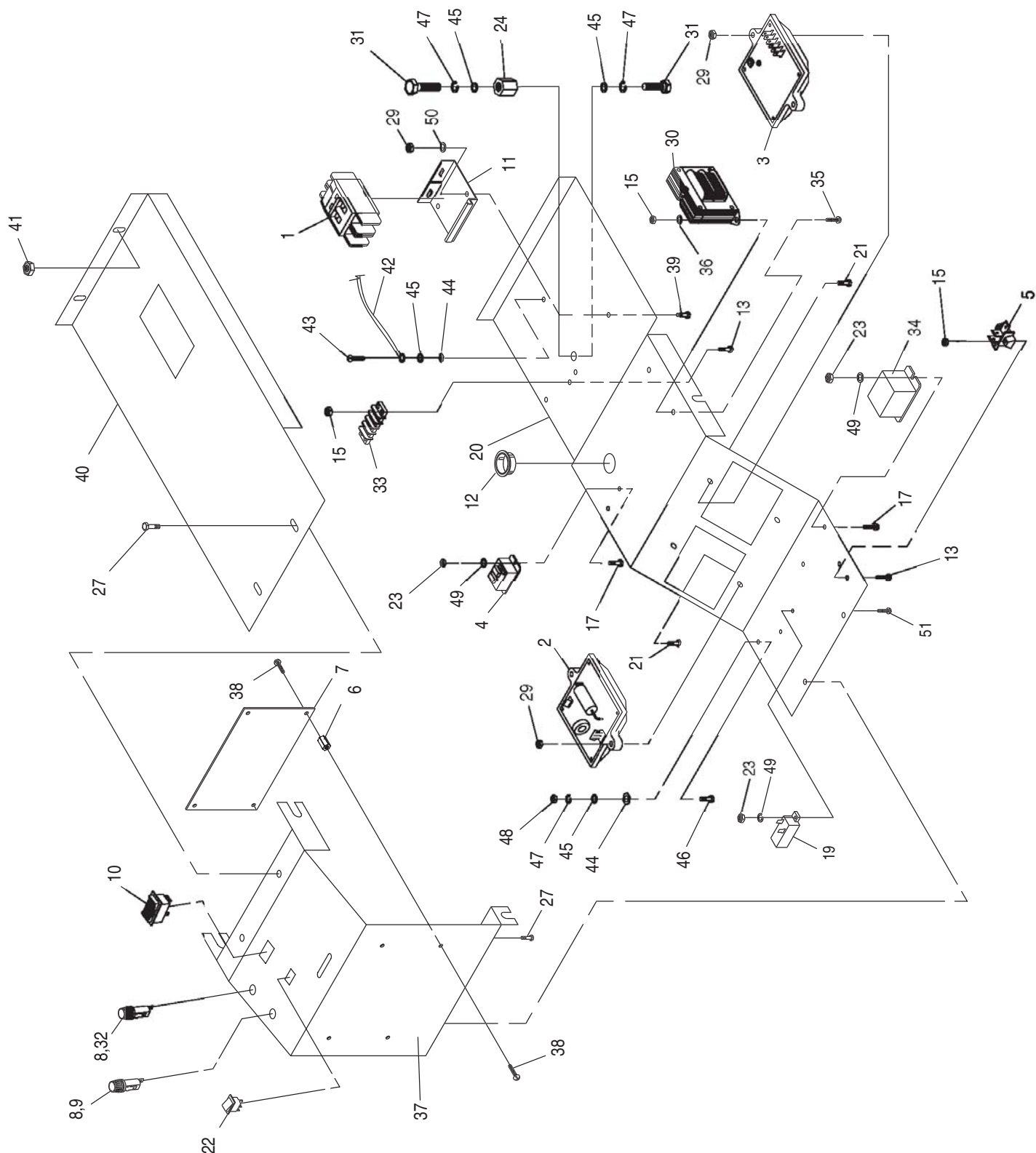
ITEM PART NO. QTY. DESCRIPTION

47	047411	6	SCREW HHC M6-1.0 X 16 G8.8
	047411	4	SCREW HHC M6-1.0 X 16 G8.8 (7KW)
48	043116	5	SCREW HHC M6-1.0 X 12 G8.8
	043116	6	SCREW HHC M6-1.0 X 12 G8.8 (7KW)
49	0D3700	26	NUT, LOCKING FLANGE M6-1.0
	0D3700	24	NUT, LOCKING FLANGE M6-1.0 (7KW)
50	0D4662	11	SCREW HHTT M8-1.2 X 20 BP
51	090388	36	SCREW TAPTITE M6-1.0 X 12 BP
		24	SCREW TAPTITE M6-1.0 X 12 BP (7KW)
52	092120	2	NUT LOCK TRIC M6 X 1.0 Y/ZNC
54	0D3167	1	GASKET, BATTERY SUPPORT BRACKET
55	0A3328	1	PLUG, PLASTIC 0.593
56	055414	1	LUG SLDLSS #2-#8X17/64 CU
57	092079	1	SCREW TAPTITE M6-1.0X25 BP
58	0A1658	2	L/WASH SPECIAL ¼
59	0C2937	1	BRACKET, BATTERY HOLD DOWN (7KW)
60	086729	1	CONTACTOR, STARTER (7KW)
61	0388040AJ0	1	CABLE, #6 RED BATTERY 38.5"
62	022127	2	NUT HEX 1/4-20 STEEL (7KW)
63	022129	6	WASHER LOCK 5/16
	022129	7	WASHER LOCK 5/16 (7KW)
64	074908	8	SCREW TAPTITE M5-0.8 X 10 BP
65	0D2346	1	HARNESS, ENGINE
	0D2345	1	HARNESS, ENGINE (7KW)
66	023484F	1	BUSHING, SNAP SB-1000-12
67	022142	1	SCREW HHC 5/16-18 X 3/4 G5 (7KW)
68	0A7836	2	RIVET, 1/8" X 0.126" - 0.375" LSH POP
69	0A8475	2	L/WASH SPECIAL #10
70	0912970069	1	ASSEMBLY, ROOF / DOOR GROUND WIRE
71	0912970070	2	ASSEMBLY, ROOF / DOOR GROUND WIRE
72	055450	2	PLUG PLASTIC 1.375
73	0E5968	11	GASKET, EXTRUDED TRIM
74	0D3701	1	PLATE, "HOT"
75	0D3472	1	GROMMET 2.75 X 1/16
76	0C8742	1	EXTERNAL CONNECTION BOX
77	0C8911	1	POWER BLOCK
78	0D8442	1	HARNESS GENERATOR TO EXTERNAL CONNECTION BOX
	0D8652	1	HARNESS GENERATOR TO EXTERNAL CONNECTION BOX (7KW)
79	036937	2	SCREW PPHM #10-32 X 1
80	022152	5	WASHER LOCK #10
81	051713	2	WASHER FLAT M5
82	022158	5	NUT HEX #10-32 STEEL
83	0D3031	1	FUEL LINE, 3/4" OUTDOOR (NOT SHOWN)
84	026850	1	WASHER SHAKPROOF EXT 1/4 STEEL
85	049813	1	NUT HEX M6-1.0 G8 YELLOW CHROME
86	0F0164A	1	HINGE TYPE A WITH STUDS, SOCKET
87	0F0165A	1	HINGE TYPE B WITH STUDS, SOCKET
89	0E2874	1	SCREW HHTR 1/4-20 X 3/4
90	043107	4	SCREW HHC M8-1.25 X 25
91	022145	8	WASHER FLAT 5/16
92	045771	4	NUT HEX M8-1.25
93	0C3906	2	SELF-ALIGN SCREW M6 HH
94	0E4321	1	PANEL, EXHAUST ALIGNMENT
95	0E1330A	1	GROMMET, 38.1 CROSS SLIT WITH HOLE
96	0E9692	1	BRACKET, REGULATOR MOUNTING
97	042907	2	SCREW HHC M8-1.25 X 16mm
98	0F5241	1	PLATE, COVER
99	0F5943	1	GASKET, COVER

Section 7 – Exploded Views and Parts Lists

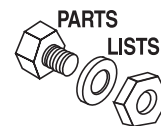
Air-cooled 7 kW, 12 kW and 15 kW Generators

Control Panel – Drawing No. 0E7974-G



Section 7 — Exploded Views and Parts Lists

Air-cooled 7 kW, 12 kW and 15 kW Generators
Control Panel – Drawing No. 0E7974-G



ITEM PART NO. QTY. DESCRIPTION

1	0E7886A	1	CIRCUIT BREAKER 30A X 2P 240V (7KW)
	0E7886C	1	CIRCUIT BREAKER 40A X 2P 240V (8.5KW)
	0E7886D	1	CIRCUIT BREAKER 45A X 2P 240V (11KW)
	0E7886E	1	CIRCUIT BREAKER 50A X 2P 240V (12KW)
	0E7886F	1	CIRCUIT BREAKER 60A X 2P 240V (13KW)
	0E7886G	1	CIRCUIT BREAKER 70A X 2P 240V (15KW)
2	0A1801	1	ASSEMBLY, BATTERY CHARGER ENGINE
3	083049	1	ASSEMBLY, POTTED REGULATOR
4	0C2174	1	RELAY, 12V 25A SPST
5	075210A	1	BLOCK 1 POSITION
6	0D3062	4	HEX STAND-OFF #6-32 x 3/8"
7	0D8615	1	ASSEMBLY, HOME STANDBY CONTROLLER
	0D8615A	1	ASSEMBLY, HOME STANDBY CONTROLLER (7KW)
8	032300	2	HOLDER, FUSE
9	022676	1	FUSE, 15AMP X AGC15
10	0E4494	1	SWITCH, ROCKER DPDT ON-OFF-ON
11	0E7890	1	CIRCUIT BREAKER MOUNTING BRACKET
12	023484E	1	SNAP BUSHING
13	075476	4	SCREW PPHM M4-0.7 x 16mm
15	0E6480	6	NUT HEX LOCK M4-0.7 NYLON INSERT
17	0C1085	4	SCREW PPHM M3-0.5 X 8mm
	0C1085	2	SCREW PPHM M3-0.5 X 8mm (7KW)
18	0D8443	1	DECAL, CONTROL PANEL (NOT SHOWN)
19	054502	1	CIRCUIT BREAKER 3 X 1 ETA 46-500-P
	053623	1	CIRCUIT BREAKER 2.5 X 1 ETA 46-500-P (7KW)
20	0E7870	1	CONTROL, PANEL BOTTOM
	0E7871	1	CONTROL, PANEL BOTTOM (7KW)
21	075235	4	SCREW HHC M5-0.8 x 30mm
22	0D5240	1	SWITCH, SPST (ON)-ON N/O
23	0D9784	6	NUT HEX LOCK M3-0.5 NYLON INSERT
	0D9784	4	NUT HEX LOCK M3-0.5 NYLON INSERT (7KW)

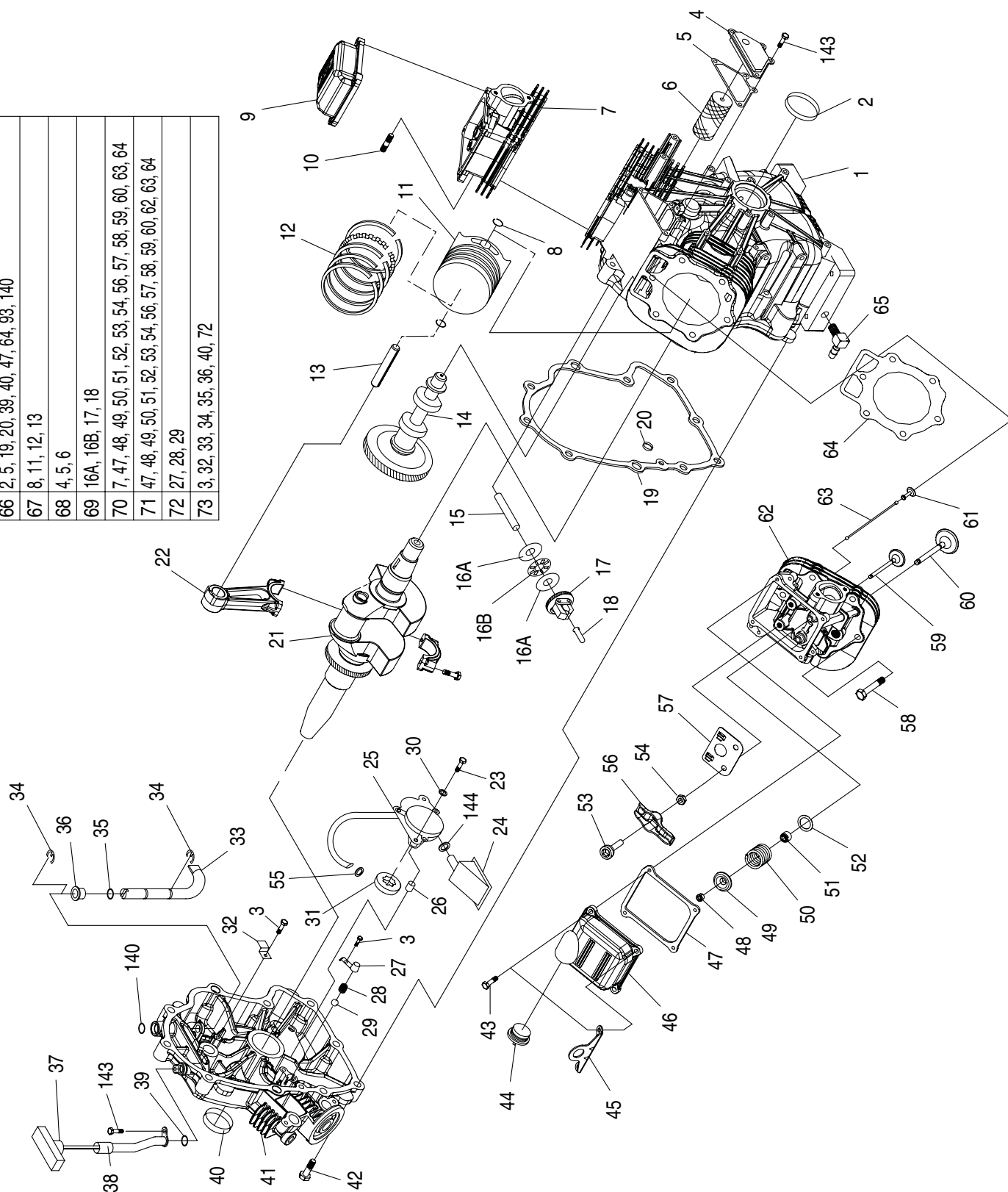
ITEM PART NO. QTY. DESCRIPTION

24	0D8502	1	NEUTRAL CONNECTOR
26	0D8441	1	HARNESS, CONTROL PANEL (NOT SHOWN)
	0E0120	1	HARNESS, CONTROL PANEL WIRE (NOT SHOWN) (7KW)
27	074908	4	SCREW TAPTITE, M5-0.8 x 10 BP
29	082025	6	NUT HEX LOCK M5-0.8 NYLON INSERT
30	0C3910	1	TRANSFORMER
31	022507	2	SCREW HHC 1/4"-20 x 1/2"
32	099727	1	FUSE 5A X AGC5
33	046689	1	BLOCK TERMINAL STRIP 20A 4 X 6 X 1100V
34	063617	1	RELAY PANEL 12VDC DPDT 10A 240VAC
35	075475	2	SCREW PPHM M4-0.7 x 10mm
36	043180	2	WASHER FLAT M4
37	0D8439	1	COVER, CONTROL PANEL COMPONENT
	0E0119	1	COVER, CONTROL PANEL COMPONENT (7KW)
38	092036	8	SCREW PPHMS/LW #6-32 x 1/4"
39	045770	2	SCREW HHC M5-0.8 x10mm
40	0E7866	1	COVER, CONTROL PANEL
	0E7867	1	COVER, CONTROL PANEL (7KW)
41	0D3700	8	NUT FLANGE M6-1.0 NYLOK
42	0912970069	1	ASSEMBLY, ROOF/DOOR GROUND WIRE
43	0E2874	1	SCREW HHTR 1/4"-20 X 3/4"
44	0A1658	2	WASHER LOCK SPECIAL 1/4"
45	022473	3	WASHER FLAT 1/4"-M6
46	038750	1	SCREW HHC M6-1.0 x 30mm
47	022097	3	WASHER LOCK M6-1/4"
48	049813	1	NUT HEX M6-1.0
49	031879	6	WASHER FLAT #4
	031879	4	WASHER FLAT #4 (7KW)
50	023897	2	WASHER FLAT #10
51	0F4793	2	SCREW PPHM M3-0.5 x 10mm

Section 7 – Exploded Views and Parts Lists

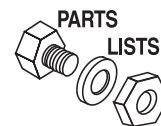
Air-cooled 7 kW, 12 kW and 15 kW Generators
GT-990 Engine – Drawing No. 0E8774-M Part 1

66	2, 5, 19, 20, 39, 40, 47, 64, 93, 140
67	8, 11, 12, 13
68	4, 5, 6
69	16A, 16B, 17, 18
70	7, 47, 48, 49, 50, 51, 52, 53, 54, 56, 57, 58, 59, 60, 63, 64
71	47, 48, 49, 50, 51, 52, 53, 54, 56, 57, 58, 59, 60, 62, 63, 64
72	27, 28, 29
73	3, 32, 33, 34, 35, 36, 40, 72



Section 7 — Exploded Views and Parts Lists

Air-cooled 7 kW, 12 kW and 15 kW Generators
GT-990 Engine – Drawing No. 0E8774-M Part 1



ITEM PART NO. QTY. DESCRIPTION

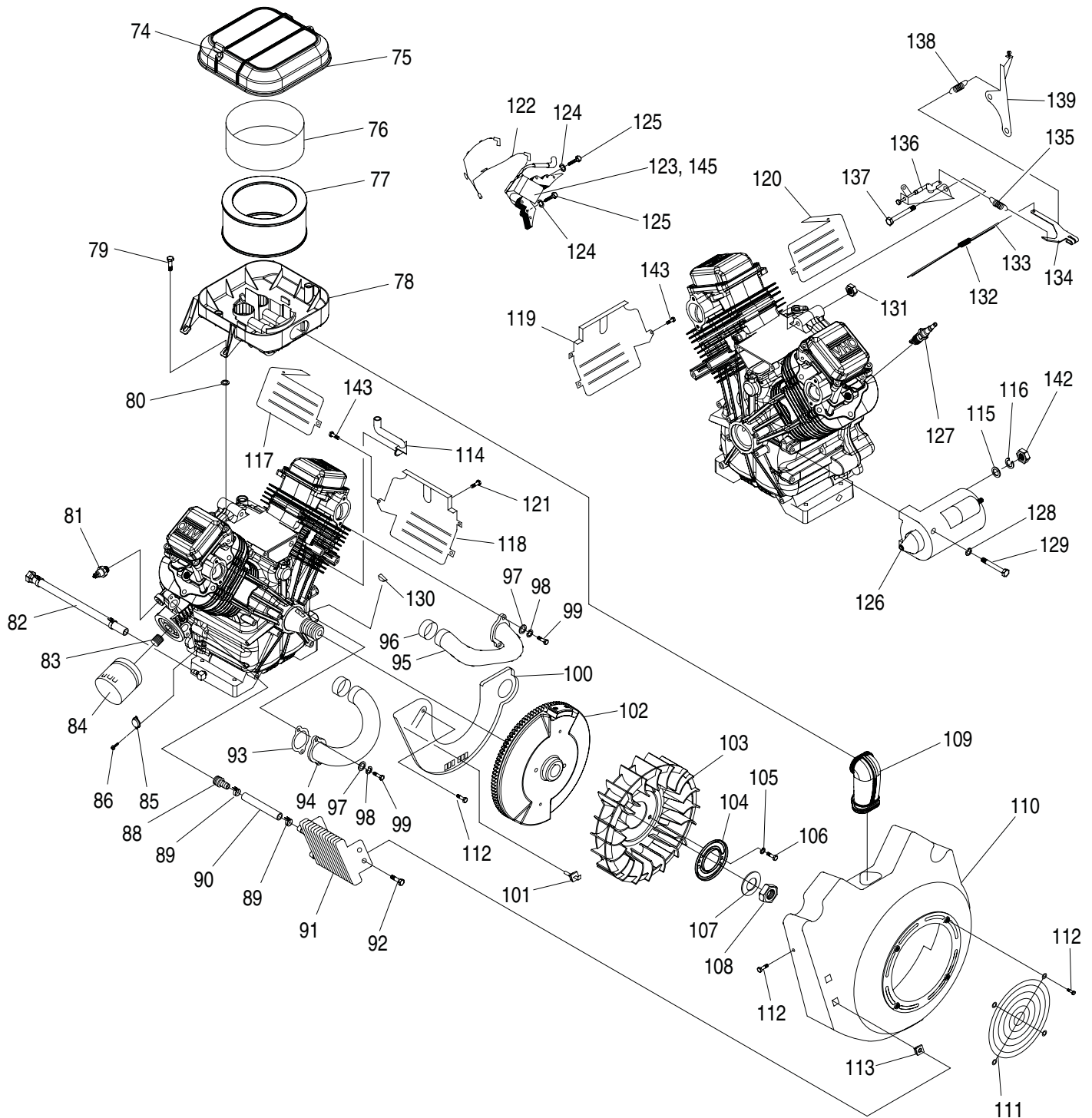
1	0C5729	1	ASSEMBLY, CRANKCASE HOUSING WITH SLEEVE
2	0E9843	1	SEAL, 38 I.D. CRANKSHAFT
3	090388	3	SCREW, TAPTITE M6-1.0 X 12 YC
4	0C5372	1	ASSEMBLY, BREATHER
5	0C3005	1	GASKET, BREATHER COVER
6	0E3372B	3	SEPARATOR, OIL BREATHER
7	0D8067A	1	ASSEMBLY, HEAD #1 G&S
8	071983	4	RETAINER, PISTON PIN 20
9	0C2981C	1	ROCKER, COVER NO OIL FILL
10	045761A	4	STUD M8-1.25/10MM X 30 G5 ZINC
11	0E2985	2	PISTON, HC
12	021533	2	SET, PISTON RING 90MM
13	0E1466	2	PIN PISTON
14	0D4041	1	ASSEMBLY, CAMSHAFT & GEAR
15	0C2983	1	SHAFT, GOVERNOR
16A	0C2985A	2	ROLLER BEARING, GOVERNOR PLATE
16B	0C2985B	1	ROLLER BEARING, GOVERNOR
17	0D4042	1	ASSEMBLY, GOVERNOR GEAR
18	0A7811	1	SPOOL, GOVERNOR MACHINED
19	0C2977	1	GASKET, CRANK CASE
20	0C5943	1	SEAL, OIL PASSAGE
21	0E4357E	1	ASSEMBLY, CRANKSHAFT HORIZONTAL DIRECT DRIVE
22	0E3223	2	ASSEMBLY, CONNECTING ROD
23	0D2157	2	SCREW SHC M6-1.0 X 50 G8.8
24	0E6098	1	SCREEN, OIL PICKUP
25	0D4123A	1	ASSEMBLY, OIL PUMP
26	078699E	2	SLEEVE, SEAMED DOWEL 10 DIA.
27	0C3011	2	COVER, OIL RELIEF
28	0C3009	2	SPRING, OIL RELIEF
29	0C3010	2	BALL, 1/2D OIL RELIEF
30	093873	2	WASHER, LOCK RIB M6
31	0C5315	1	GEROTOR, OUTER
32	0C5998	1	CLAMP, OIL TUBE
33	0D1667	1	ARM, GOVERNOR
34	0C2991	2	E-RING, GOVERNOR ARM
35	0C2988	1	THRUST WASHER, GOVERNOR
36	0C2992	1	BUSHING, GOVERNOR LOWER

ITEM PART NO. QTY. DESCRIPTION

37	0C3971C	1	ASSEMBLY, DIPSTICK WITH HANDLE
38	0C5305	1	TUBE, DIPSTICK
39	0C3027	1	O-RING, OIL CLR 3/8 X 1/2
40	0E9842	1	SEAL, 42 I.D. CRANKSHAFT
41	0C5731	1	ASSEMBLY, HOUSING COVER WITH SLEEVE
42	0C3006	9	SCREW, HHFC M10-1.5 X 55
43	080318	8	SCREW HHFC M6-1.0 X 25
44	093064	1	ASSEMBLY, OIL FILL CAP
45	0C8808	2	HOOK, LIFTING
46	0D2723B	1	ROCKER, COVER WITH OIL FILL
47	0C2979	2	GASKET, VALVE COVER
48	086515	8	KEEPER, VALVE SPRING
49	0D2274	4	RETAINER, VALVE SPRING
50	0D3867	4	SPRING, VALVE
51	078672	2	SEAL, VALVE STEM D7
52	0C5371	4	WASHER, VALVE SPRING
53	072694	4	STUD, ROCKER ARM PIVOT
54	0D3998	4	NUT HEX M8-1.0 G8 YEL CHR
55	0C3027	2	O-RING, 3/8" X 1/2"
56	0D5313	4	ROCKER ARM
57	0D6024	2	PLATE, PUSH ROD GUIDE
58	0C2976	12	SCREW HHFC M8-1.25 X 65
59	086516	2	VALVE, EXHAUST
60	0C2229	2	VALVE, INTAKE
61	083897	4	TAPPET, SOLID
62	0D8067B	1	ASSEMBLY, HEAD #2 G&S
63	0D9853D	4	PUSHROD, 147
64	0C2978	2	GASKET, HEAD
65	043790	1	BARBED ELBOW 90 3/8NPT X 3/8
66	0D4010	1	KIT GASKET
67	0D4011	1	KIT PISTON & RINGS
68	0D4012	1	KIT BREATHER ASSEMBLY
69	0D4013	1	KIT GOVERNOR ASSEMBLY
70	0D8675A	1	KIT HEAD ASSEMBLY CYLINDER 1
71	0D8675B	1	KIT HEAD ASSEMBLY CYLINDER 2
72	0D4015	1	KIT OIL RELIEF
73	0D4016	1	KIT GEAR COVER

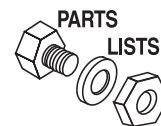
Section 7 — Exploded Views and Parts Lists

Air-cooled 7 kW, 12 kW and 15 kW Generators
GT-990/760 Engine – Drawing No. 0E8774-M Part 2



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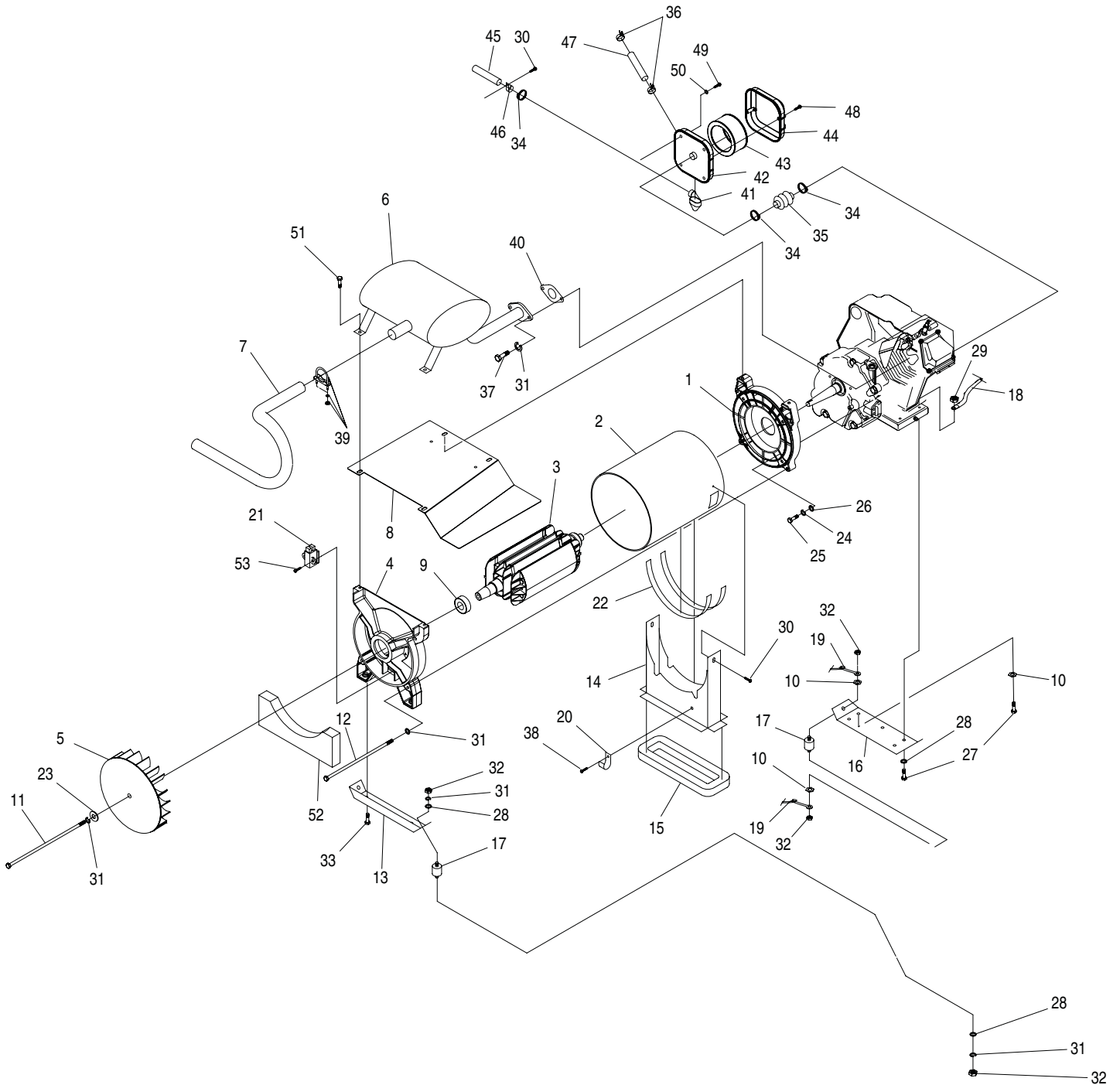
Air-cooled 7 kW, 12 kW and 15 kW Generators
GT-990/760 Engine – Drawing No. 0E8774-M Part 2



ITEM	PART NO.	QTY.	DESCRIPTION	ITEM	PART NO.	QTY.	DESCRIPTION
74	0C5136A	2	KNOB, AIR CLEANER	111	0D1131	1	GUARD, FAN
75	0C3024	1	COVER, AIRBOX NG/LP	112	045756	25	SCREW TAPTITE M6-1X10 YELLOW CHROME
76	0C3040	1	PRE-CLEANER,	113	0C9763	4	NUT, GROMMET 1/4 PLUG
77	0C8127	1	ELEMENT, AIR CLEANER	114	0C3036A	1	HOSE, BREATHER
78	0D8564A	1	ASSEMBLY, MIXER/AIRBOX 990	115	022145	1	WASHER FLAT 5/16-M8 ZINC
	0D8564B	1	ASSEMBLY, MIXER/AIRBOX 760	116	022129	1	WASHER LOCK M8-5/16
79	0D2595	4	SCREW SHOULDER (8MM) M6-1.0 X 18	117	0C3018	1	WRAPPER, UPPER CYLINDER 1
80	0D4417	4	WASHER, RUBBER 1/4" X 1/8" THICK	118	0C3019	1	WRAPPER, LOWER CYLINDER 1
81	0C3025	1	SWITCH, OIL PRESS	119	0D1142A	1	WRAPPER, LOWER CYLINDER 2
82	0D3083	1	ASSEMBLY, OIL DRAIN HOSE	120	0D1143	1	WRAPPER, UPPER CYLINDER 2
83	0C7292	1	NIPPLE, 3/4"-16 UNF	121	0E6043	2	SCREW TAPTITE M5-0.8 X 8 ZP
84	070185B	1	OIL FILTER	122	0F1177	1	ASSEMBLY, GROUND WIRE
85	075281	1	SWITCH, THERMAL 284F	123	0C3052	1	ASSY, IGNITION COIL GV-990 CYLINDER 2
86	0F2094	2	SCREW, M3-0.5 X 6 SEMS	124	022097	4	WASHER LOCK M6-1/4
87				125	092079	4	SCREW TAPTITE M6-1.0 X 25 BP
88	035461	2	BARBED STR 1/4NPT X 3/8	126	0E4271	1	STARTER
89	0F6301	4	CLAMP, HOSE OETIKER 16.5mm	127	0D4529	2	SPARKPLUG
90	0C9806	2	HOSE, 3/8" I.D. X 6" LONG	128	022129	2	WASHER LOCK M8-5/16
91	0C3026	1	COOLER, OIL	129	061906	2	SCREW HHC M8-1.25 X 85 G8.8
92	0C9764	4	PLASTITE, 1/4-15 X 3/4	130	082774	1	KEY, WOODRFF 4 X 19D
93	0C3043	2	GASKET, MANIFOLD / PORT	131	0E5343	1	NUT HEX LOCK M10-1.50
94	0C7694	1	MANIFOLD CYLINDER 2	132	0C8468	1	SPRING, ANTI-LASH
95	0C7693	1	MANIFOLD CYLINDER 1	133	0C3048	1	ROD, GOVERNOR CONTROL
96	0C3041A	2	SLEEVE, RUBBER	134	0D3754	1	ASSEMBLY, GOVERNOR LEVER
97	070008	4	WASHER FLAT M8 SS	135	0D3742	1	SPRING, GOVERNOR
98	070006	4	WASHER LOCK M8 SSTL	136	0C8482	1	ASSEMBLY, GOVERNOR ADJUSTER
99	040976	4	SCREW SHC M8-1.25 X 20 G12.9	137	0E0486	1	SCREW SHC M10-1.5 X 75 G10.9
100	0C3016A	1	PLATE, BACKING WITH OIL COOLER	138	0D3743	1	SPRING, GOVERNOR IDLE
101	0E4997	1	GROUND WIRE CONNECTOR	139	0D3705	1	ASSEMBLY, GOVERNOR ADJUSTER BRACKET
102	0C3725B	1	FLYWHEEL ASSEMBLY	140	0C2993	1	SEAL, GOVERNOR SHAFT
103	0C3031	1	FAN, NYLON	142	045771	1	NUT HEX M8-1.25 G8
104	0C3032	1	PLATE, FAN	143	0D6147	7	SCREW HHFC M6-1.0 X 10mm
105	0A5992	2	WASHER SHAKEPROOF INT M8 SS	144	0E8152	1	O-RING 0.49" I.D. X 0.07" THICK
106	051754	2	SCREW HHC M8-1.25 X 12 G8.8	145	0E7743	1	ASSY, IGNITION COIL 270mm CYLINDER 1
107	0C3033	1	WASHER, 25mm I.D.				
108	0C3034	1	NUT, HEX M24				
109	0C8549A	1	SNORKEL, AIR INTAKE				
110	0C3022A	1	HOUSING, BLOWER NG COOLER				

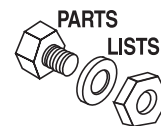
Section 7 – Exploded Views and Parts Lists

Air-cooled 7 kW, 12 kW and 15 kW Generators
7 kW Generator – Drawing No. 0D3504-E



Section 7 — Exploded Views and Parts Lists

Air-cooled 7 kW, 12 kW and 15 kW Generators
7 kW Generator – Drawing No. 0D3504-E

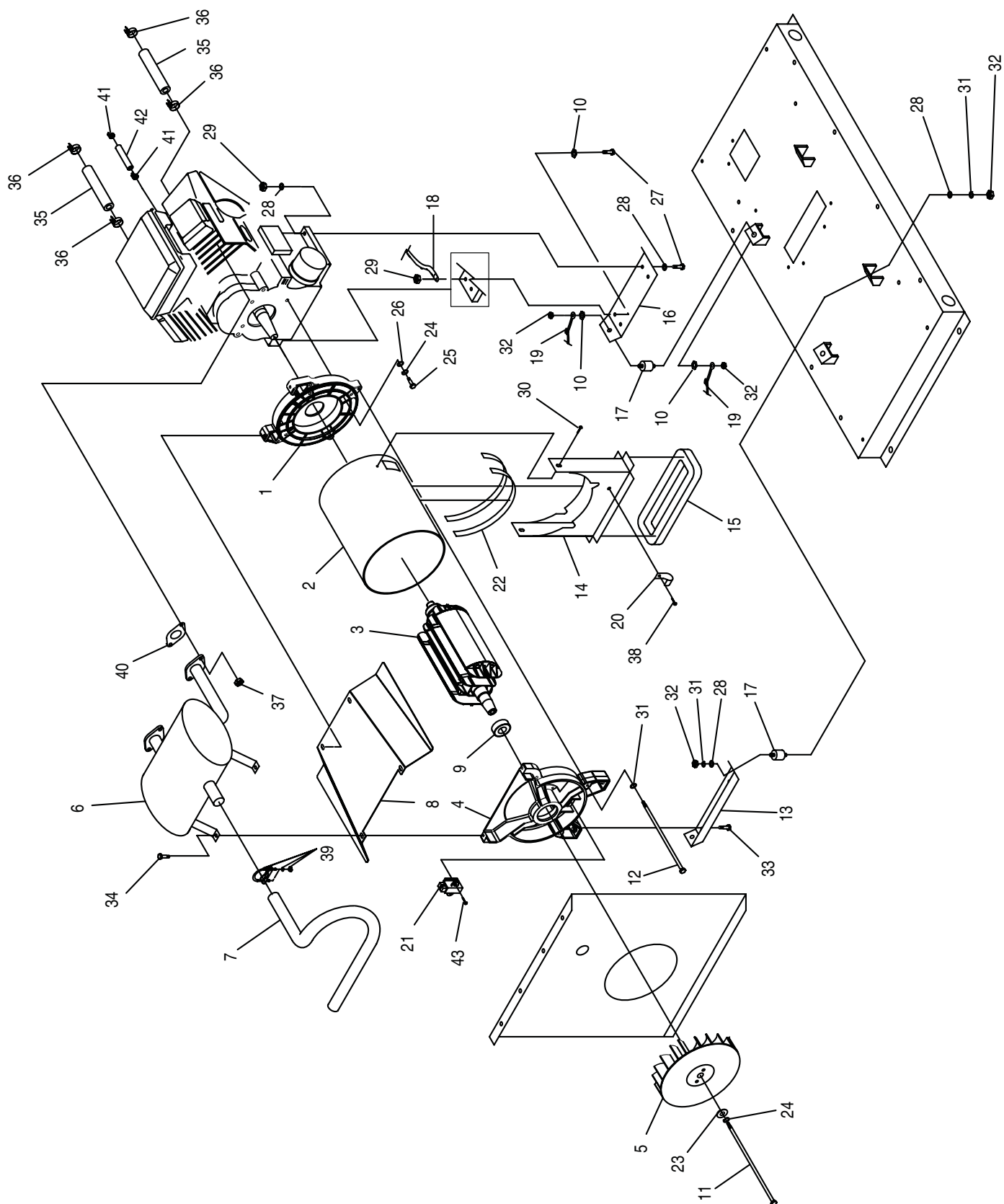


ITEM	PART NO.	QTY.	DESCRIPTION
1	0C6934	1	ADAPTOR, ENGINE
2	0C9935H	1	STATOR
3	0C9934H	1	ROTOR
4	0C6043A	1	CARRIER, REAR BEARING
5	0C8096	1	FAN, 8" CURVED BLADE
6	0C9593	1	MUFFLER
7	0D3220	1	TAIL PIPE, MUFFLER
8	0C8860	1	PANEL, MUFFLER BASE
9	031971	1	BEARING #6205-2RS-C3
10	0C3168	3	5/16 SPECIAL L/WASH
11	056147	1	BOLT ROTOR HHCS 5/16"-24 X 13-1/2" G5
12	0D1847	4	BOLT STATOR HHCS M8-1.25 x 305mm
13	0C7038C	1	BRACKET, ALTERNATOR MOUNTING
14	0D1647	1	DUCT, ALTERNATOR AIR
15	0D2558	1	GASKET, ALTERNATOR AIR DUCT
16	0C7038B	1	BRACKET, ENGINE MOUNTING
17	0C7758	4	RUBBER MOUNT
18	0388050AE0	1	CABLE, #6 40" BLACK BATTERY
19	0C2417A	1	EARTH STRAP 3/8X 3/8
20	082121C	1	CLIP-J VINYL COAT .625 ID
21	066386	1	ASSEMBLY BRUSH HOLDER
22	029451	1.8 FT	TAPE ELEC UL FOAM 1/8 X 1/2
23	049451	1	WASHER FLAT .406ID X 1.62OD
24	022237	4	WASHER LOCK 3/8
25	022511	4	BOLT HHC 3/8-16 X 1-1/4 G5
26	022131	4	WASHER FLAT 3/8 ZINC
27	039287	4	SCREW HHC M8-1.25 X 45 G8.8
28	022145	12	WASHER FLAT 5/16 ZINC
29	049820	4	NUT LOCK HEX M8-1.25 NYL INSRT
30	090388	3	SCREW TAP M6-1.0X12 BP
31	022129	13	WASHER LOCK M8-5/16
32	022259	8	NUT HEX 5/16-18 STEEL
33	059637	2	SCREW TAPTITE 3/8-16X 3/4" BP
34	048031K	3	BAND, HOSE CLAMP 35.05 DIA.
35	0C9592	1	BELLOWS
36	048031M	2	HOSE CLAMP 3/4"
37	040976	2	SCREW SHC M8-1.25 X 20 G12.9
38	0C2824	1	SCREW TAPR #10-32 X 9/16
39	025145	1	U-BOLT 5/16"-18 X 1.25" W/ SADDLE
40	090239	1	GASKET, EXHAUST
41	0C6989	1	STINGER, ENGINE AIR IN
42	0D1214	1	BASE, AIR CLEANER
43	0C8127	1	ELEMENT, AIR CLEANER
44	0C3024	1	COVER, AIR CLEANER NG/LP
45	0D2273	1	TUBE, 1.25"O.D. x 20Ga. x 12.125" LONG
46	055934N	1	CLAMP VINYL 1.31 X .281 Z
47	0F7065	1.25 FT	HOSE LP 1/2" I.D.
48	0C5136A	2	KNOB, AIR CLEANER
49	074906	4	SCREW TAPTITE M6-1 X 20 BP
50	022473	4	WASHER FLAT 1/4 ZINC
51	0D4662	6	SCREW HHTT M8-1.2 X 20 BP
52	0C8290	1	GASKET, PANEL
53	066849	2	SCREW HHTT M5-0.8 X 16

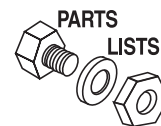
Section 7 – Exploded Views and Parts Lists

Air-cooled 7 kW, 12 kW and 15 kW Generators

12 kW and 15 kW Generator – Drawing No. 0D3417-L



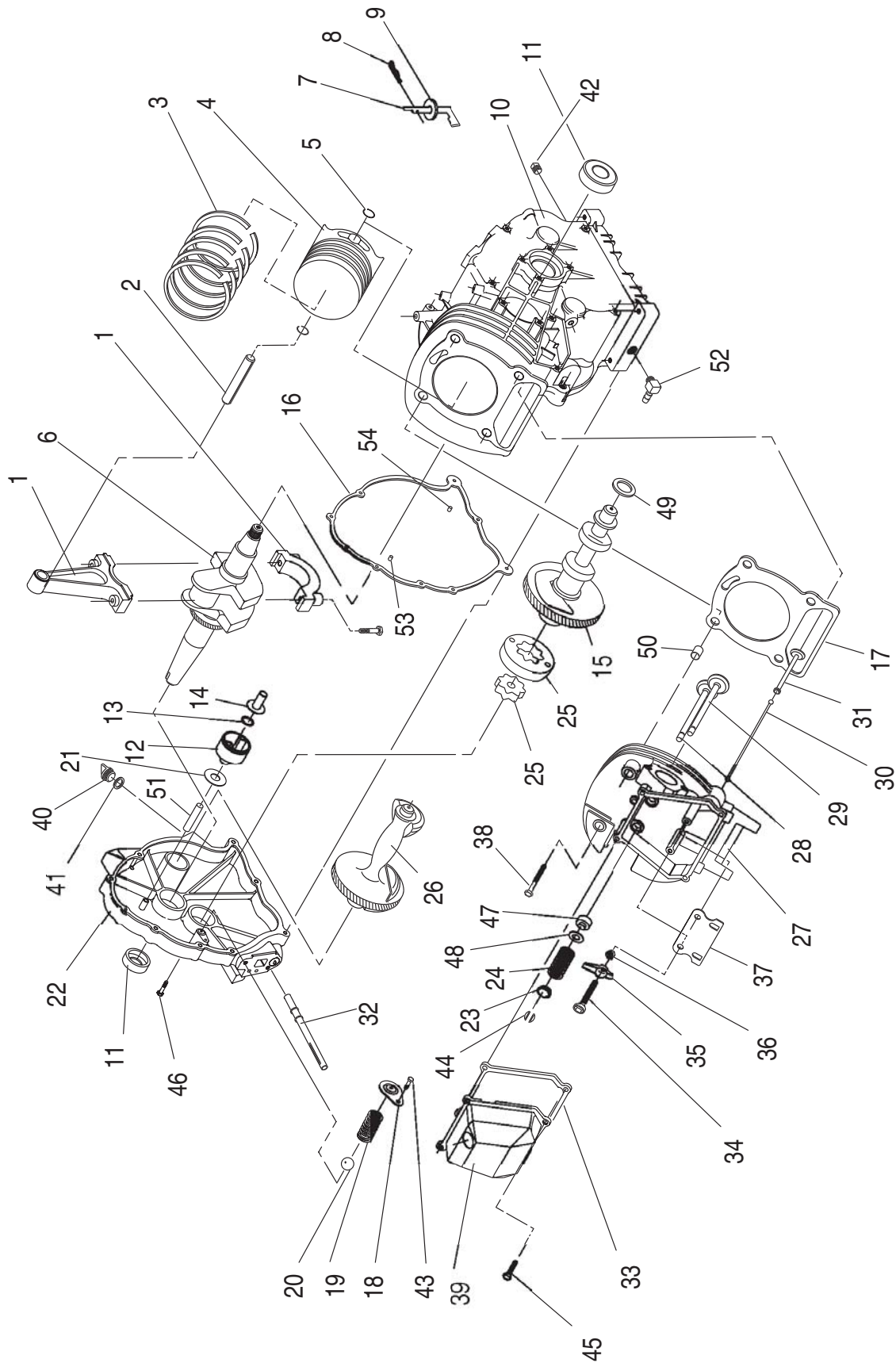
Section 7 — Exploded Views and Parts Lists
Air-cooled 7 kW, 12 kW and 15 kW Generators
12 kW and 15 kW Generator – Drawing No. 0D3417-L



ITEM	PART NO.	QTY.	DESCRIPTION
1	0C6934	1	ADAPTOR, ENGINE
2	0C7930	1	STATOR 12KW
	0D2359		STATOR 13KW / 15KW
3	0C7944	1	ROTOR 12KW
	0D2356		ROTOR 13KW / 15KW
4	0C6043	1	CARRIER, REAR BEARING
5	0D2336	1	FAN, 12" CURVED BLADE
6	0D6634	1	MUFFLER
7	0D3220	1	TAIL PIPE, MUFFLER
8	0C8101	1	PANEL, MUFFLER BASE
9	056482	1	BEARING 1.1811-2.8346
10	0C3168	3	5/16 SPECIAL LOCK WASHER
11	0D1838	1	BOLT, HHCS 3/8"-24 x 15.50"
12	0D1846	4	BOLT, HHCS M8-1.25 x 345mm
13	0C7038	1	BRACKET, ALTERNATOR MOUNTING
14	0D1609	1	DUCT, ALTERNATOR AIR
15	0D2559	1	GASKET, ALTERNATOR AIR DUCT
16	0C7038A	1	BRACKET, ENGINE MOUNTING
17	0C7758	4	RUBBER MOUNT
18	0388050AD0	1	CABLE, #6 48" BLACK BATTERY
19	0C2417A	1	EARTH STRAP 3/8X 3/8
20	082121C	1	CLIP-J, VYNL COAT 0.625" ID
21	066386	1	ASSEMBLY BRUSH HOLDER
22	029451	2.6 FT	TAPE ELEC UL FOAM 1/8 X 1/2
23	049451	1	WASHER FLAT .406ID X 1.62OD
24	022237	5	WASHER LOCK 3/8
25	022511	4	SCREW HHC 3/8-16 X 1-1/4 G5
26	022131	4	WASHER FLAT 3/8 ZINC
27	051731	4	SCREW HHC M8-1.25 X 50 G8.8
28	022145	12	WASHER FLAT 5/16 ZINC
29	049820	4	NUT LOCK HEX M8-1.25 NYL INSERT
30	045756	2	SCREW TAPTITE M6-1.0X10 BP
31	022129	10	WASHER LOCK M8-5/16
32	022259	8	NUT HEX 5/16-18 STEEL
33	059637	2	SCREW TAPTITE 3/8-16 X 3/4 BP
34	0D4662	4	SCREW 5/16-18X3/4" HH THD ROLL
35	0F7065	3 FT	HOSE RES 1/2 LP GAS
36	048031M	4	HOSE CLAMP 3/4" I.D.
37	0F0462	4	NUT HEX W/TOOTH WSHR M8-1.25
38	0C2824	1	SCREW TAP-R #10-32 x 9/16
39	025145	1	U-BOLT 5/16"-18 X 1.25" WITH SADDLE
40	0C4138	2	GASKET, EXHAUST PORT
41	040173	2	CLAMP HOSE #5.5 0.62"-0.62"
42	074995	1.44 FT	HOSE 1/4 ID LPG 350PSI UL21
43	066849	2	SCREW HHTT M5-0.8 X 16

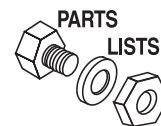
Section 7 – Exploded Views and Parts Lists

Air-cooled 7 kW, 12 kW and 15 kW Generators
GN410 Engine – Drawing No. 0F3981-A Part 1



Section 7 — Exploded Views and Parts Lists

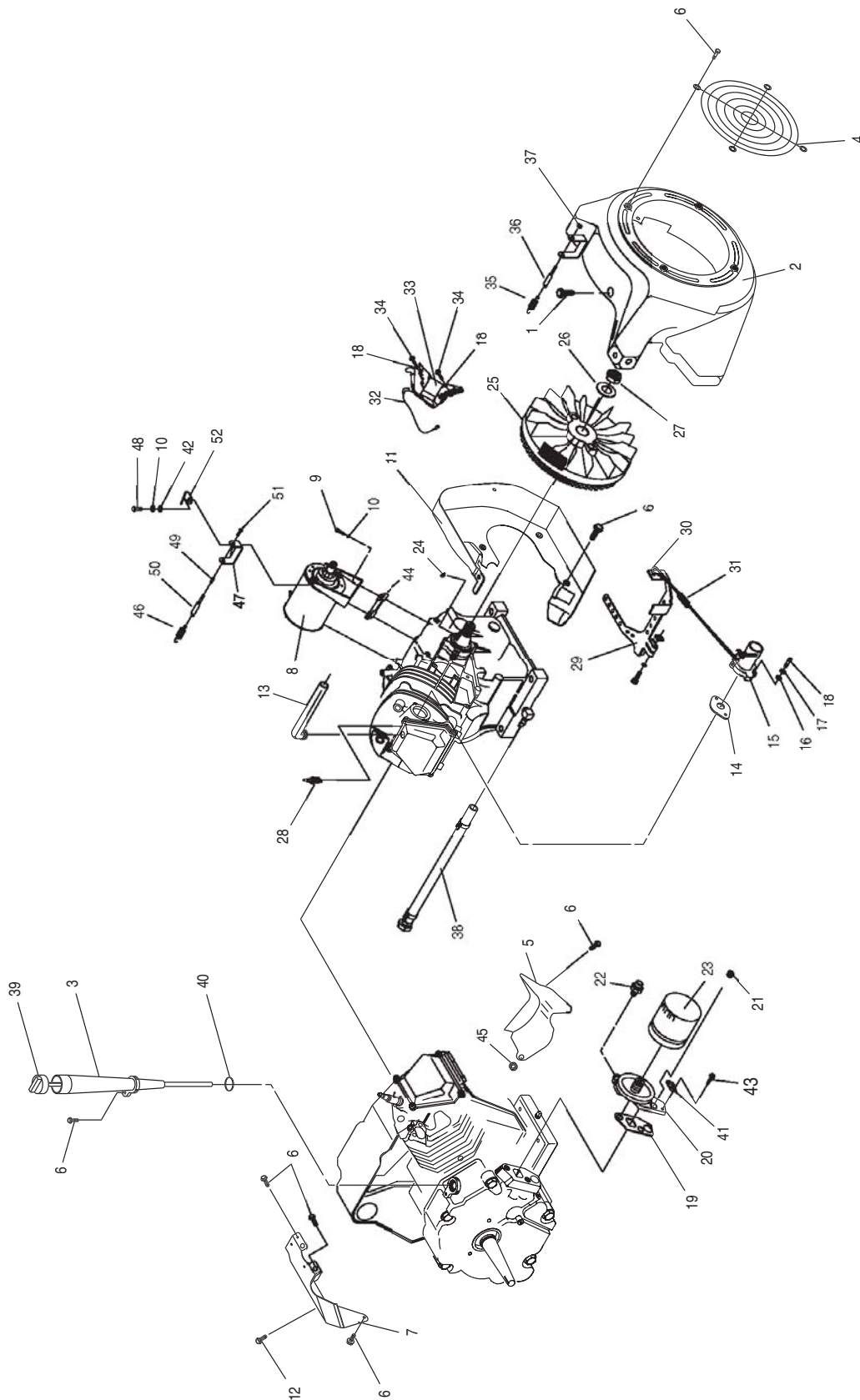
Air-cooled 7 kW, 12 kW and 15 kW Generators
GN410 Engine – Drawing No. 0F3981-A Part 1



ITEM	PART NO.	QTY.	DESCRIPTION
1	0E3221	1	ASSEMBLY, CONNECTING ROD
2	0E1466	1	PIN, PISTON D20
3	021533	1	SET, PISTON RING 90MM
4	0E2985	1	PISTON, HC
5	071983	2	RETAINER, PISTON PIN 20
6	0E8440	1	ASSEMBLY, CRANKSHAFT GH410 SMALL TAPER
7	0A7628	1	ARM, GOVERNOR RC45
8	078658	1	PIN, "R" GOVERNOR ARM
9	078659	2	WASHER, GOVERNOR ARM THRUST
10	088261E	1	CRANKCASE, SUBASSEMBLY WITH PLUGS GH410
11	0E3812	2	SEAL, 35 I.D. CRANKSHAFT
12	0E6519	1	ASSEMBLY, GOVERNOR GEAR
13	078645	1	C-RING, GOVERNOR GEAR RETAINER
14	0A7811	1	SPOOL, GOVERNOR- MACHINE
15	0A9877	1	ASSEMBLY, CAMSHAFT & GEAR
16	076701	1	GASKET , CRANKCASE
17	021713B	1	GASKET, HEAD 410
18	078691	1	COVER, OIL PRESSURE RELIEF
19	0A5771	1	SPRING, OIL RELIEF 360
20	0A5776	1	BALL, DIA 11/32 PRESSURE RELIEF
21	076361	1	WASHER, THRUST GOVERNOR GEAR
22	0A8898D	1	ASSEMBLY, COVER, GEAR TOP CHECK / FILL
23	0D2274	2	RETAINER, VALVE SPRING
24	0C4391	2	VALVE SPRING LF
25	086025	1	SET,GEROTOR 12 THK
26	0E3341	1	BALANCER
27	021714	1	ASSEMBLY,CYLINDER HEAD SEATS & GUIDES
28	086516	1	VALVE, EXHAUST
29	086517	1	VALVE, INTAKE
30	0D9853B	2	PUSH ROD 174.9
31	083897	2	TAPPET
32	077158	1	ASSEMBLY, SCREEN OIL PICK-UP
33	0C3150	1	GASKET, ROCKER COVER 410
34	072694	2	STUD, D20 PIVOT BALL
35	083907	2	ROCKER ARM
36	072696	2	NUT, JAM (ROCKER ARM)
37	078694	1	PLATE, PUSH ROD GUIDE
38	021742	4	SCREW, HHFL M10-1.5 X 105
39	0D6094	1	ASSEMBLY, ROCKER COVER BREATHER
40	076329	1	PLUG, OIL FILL PLASTIC
41	0E0057	1	O-RING 17.8 I.D. x 2.4
42	0D4788	1	PLUG, STANDARD PIPE 3/8 STEEL SQUARE HEAD
43	074908	1	SCREW, TAPTITE M5-0.8 X 10 BP
44	086515	4	KEEPER, VALVE SPRING
45	078606	4	SCREW & LOCKWASHER M6-1 X 12
46	0A1442	8	SCREW, HHFC M8-1.25 X 42
47	078672	1	SEAL, VALVE STEM D7
48	089673	2	WASHER, VALVE SPRING
49	0B2104	1	WASHER, LARGE SPRING
50	078699C	2	DOWEL, SEAMED SLEEVE
51	0A7627	1	SHAFT, GOVERNOR RC55
52	043790A	1	BARBED ELBOW 90 3/8NPT X 3/8 LOCKTITE
53	088590	1	DOWEL DIA 12 X 18L
54	078699B	1	DOWEL, SLEEVE SEAMED 12 DIA.

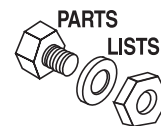
Section 7 — Exploded Views and Parts Lists

Air-cooled 7 kW, 12 kW and 15 kW Generators
GN410 Engine – Drawing No. 0F3981-A Part 2



Section 7 — Exploded Views and Parts Lists

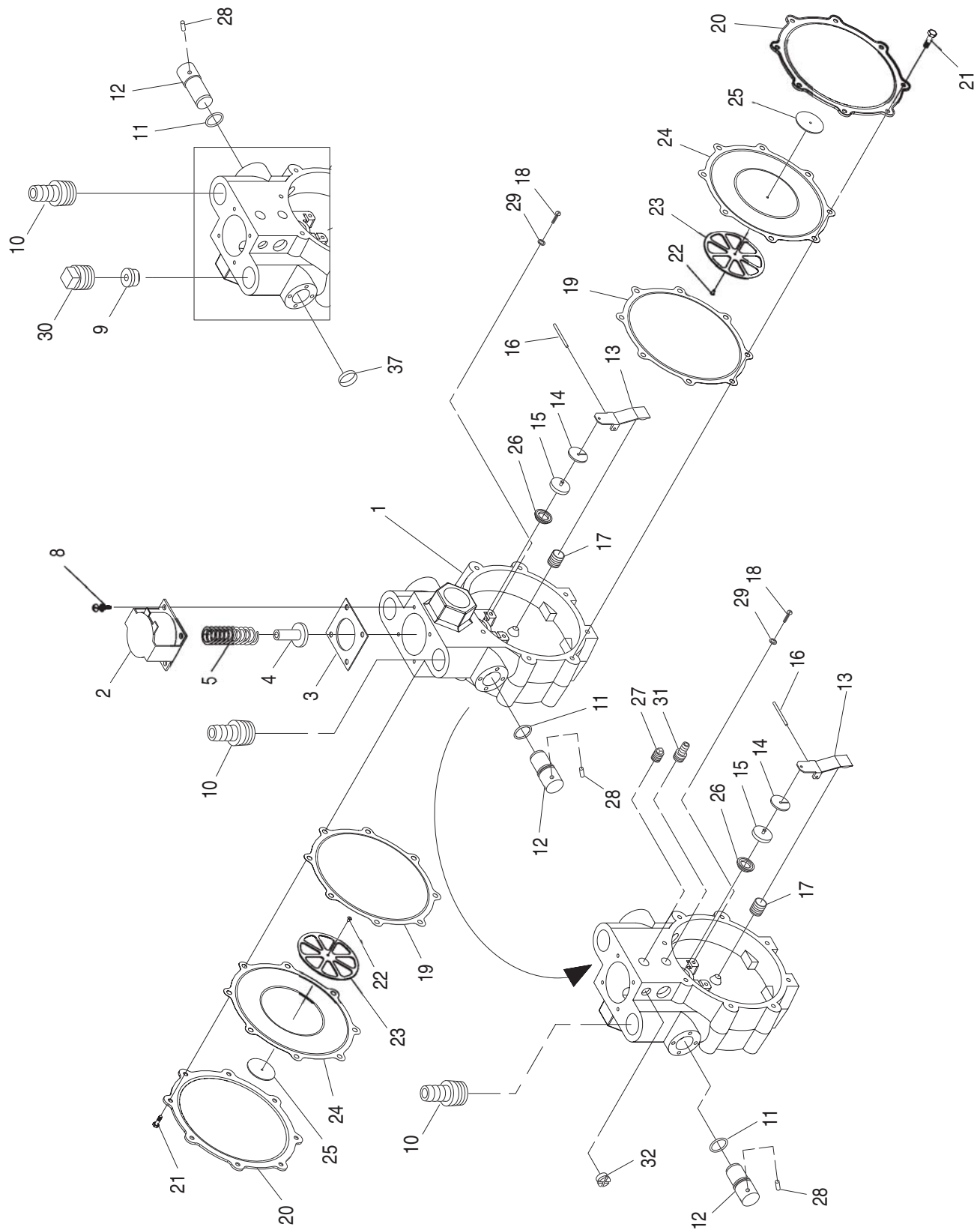
Air-cooled 7 kW, 12 kW and 15 kW Generators
GN410 Engine – Drawing No. 0F3981-A Part 2



ITEM	PART NO.	QTY.	DESCRIPTION
1	0C1069	5	SCREW, TAPTITE M6-1.0X8 YELLOW CHROME
2	0D2922	1	HOUSING, BLOWER
3	0C8435	1	TUBE, DIPSTICK
4	0C9997	1	GUARD, FAN
5	088434	1	WRAPPER, BOTTOM
6	045756	11	SCREW, TAPTITE M6-1X10 YELLOW CHROME
7	0C4176A	1	WRAPPER, TOP
8	0D9004A	1	ASSY, STARTER
9	059985	2	SCREW, SHC M8-1.25 X 45 G12.9
10	022129	3	WASHER, LOCK M8-5/16
11	0C2458A	1	BACKPLATE, L/F D/F
12	083512	1	SCREW, TAPTITE M8-1.25 X 16 BP
13	0D1401A	1	BREATHER TUBE
14	091039	1	GASKET, INTAKE ADAPTER
15	0C9619	1	ASSEMBLY, PLASTIC CARB
16	049811	2	WASHER, FLAT M6
17	022097	4	WASHER, LOCK M6-1/4
18	040945	2	SCREW, SHC M6-1.0 X 20 G12.9
19	086999	1	GASKET,OIL FILTR ADAPTER
20	0D5667A	1	ADAPTER, OIL FILTER
21	049821	2	SCREW, SHC M8-1.25 X 30 G12.9
22	099236	1	SWITCH, OIL 8.0 PSI
23	070185B	1	OIL FILTER
24	082774	1	KEY, WOODRFF 4 X 19D
25	091222E	1	FLYWHEEL WITH RING GEAR 32DEG.
26	067198N	1	WASHER,BELV-20 X 2.2
27	067890	1	NUT, HEX - FLYWHEEL
28	0E7585	1	SPARKPLUG
29	072734	1	ASSEMBLY,GOVERNOR LEVER 12 HP
30	072735	1	ROD,GOVERNOR CONTROL.
31	0C3978	1	SPRING, ANTI-LASH
32	0C6040	1	ASSEMBLY, WIRE
33	0D9760	1	ASSEMBLY, IGNITION COIL
34	092079	2	SCREW, TAPTITE M6-1.0 X 25 BP
35	0F3800	1	SPRING GOVERNOR
36	083502	1	BOLT, GOVERNOR ADJUST M5
37	082025	1	NUT HEX LOCK M5-0.8 NYINS ZINC
38	0D3083	1	ASSEMBLY, OIL DRAIN HOSE
39	0E7887C	1	ASSEMBLY, CAP & DIPSTICK
40	090072	1	O-RING 9/16 X 3/4 X 3/32
41	075281	1	SWITCH, THERMAL
42	022145	1	WASHER FLAT 5/16 - M8
43	0F2094	2	SCREW, M3-0.5 X 6 SEMS
44	0C4373	1	SPACER, ENDFRAME
45	022717B	1	GOMMET
46	0F3865	1	SPRING SECONDARY
47	0F3855	1	BRACKET SECONDARY GOVERNOR SPRING
48	039253	1	SCREW HHC M8-1.25 x 20
49	0D3751	1	SPRING, IDLE RETURNING
50	0F3921	1	BARREL GOVERNOR ADJUSTMENT
51	0C8493	1	SCREW SHC M5-0.8 x 30
52	0D8758	1	ENGINE LIFT HOOK

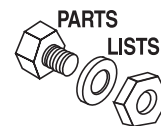
Section 7 – Exploded Views and Parts Lists

Air-cooled 7 kW, 12 kW and 15 kW Generators
Gas Regulator – Drawing No. 0D8720-G



Section 7 — Exploded Views and Parts Lists

Air-cooled 7 kW, 12 kW and 15 kW Generators
Gas Regulator – Drawing No. 0D8720-G



ITEM	PART NO.	QTY.	DESCRIPTION
1	0D5694	1	CASTING, TWIN REGULATOR HOUSING
2	0F5022	1	SOLENOID COIL, 12VDC
3	0C4647	1	GASKET , SOLENOID
4	0D4166	1	PLUNGER, LP REGULATOR ASSEMBLY
5	0C6070	1	SPRING-SOLENOID, PLUNGER
8	0F4795	4	SCREW PPHM SEMS M4-0.7 X 10
9	0C5760J	1	JET, GN 410 ENGINE LP (7KW)
10	0C6606	2*	BARBED STRAIGHT 1/2NPT x 1/2
11	097934	2*	O-RING, CHECK VALVE
12	0C4645	2*	ADJUSTER SCREW, TWIN REGULATOR
13	0C5761	2	LEVER, REGULATOR
14	0C5968	2	SUPPORT, INLET SEAL
15	0C6066	2	SEAL, INLET
16	0C5759	2	PIN, PIVOT ARM
17	0C5764	2	SPRING, REGULATOR
	0C5764A	2	SPRING, REGULATOR (7KW)
18	070728	4	SCREW, PFHMS M3-0.5 x 5
19	0C6069	2	GASKET, DIAPHRAGM
20	0C5762	2	COVER, TWIN REGULATOR
21	045764	16	SCREW, TAPTITE M4X8 BP
22	0C6731	2	RIVET, POP .118 X .125
23	0C6067	2	SUPPORT, DIAPHRAGM
24	0C4706	2	DIAPHRAGM, TWIN REGULATOR
25	0C6068	2	CAP, DIAPHRAGM SUPPORT
26	0C4643A	2	INLET, TWIN REGULATOR 11.11 DIA.
27	026073	1	PLUG, STANDARD PIPE 1/8" STEEL SQUARE HEAD
	026073	2	PLUG, STANDARD PIPE 1/8" STEEL SQUARE HEAD (7KW)
28	0A4032	2*	PIN, LIMITED ADJUSTMENT
29	0D3308	4	WASHER, FLAT M3 X 10mm O.D.
30	024310	1	PLUG, STANDARD PIPE 1/2" STEEL SQUARE HEAD (7KW)
31	028414A	1	BARBED STRAIGHT 1/8"NPT X 1/4"
32	0D5698A	1	JET IDLE PRIMER PHILLIPS HD (V-TWIN ONLY)
37	0D3973	1	PLUG, EXPANSION 16mm

* A QUANTITY OF 1 IS TO BE USED ON 7KW HOME STANDBY