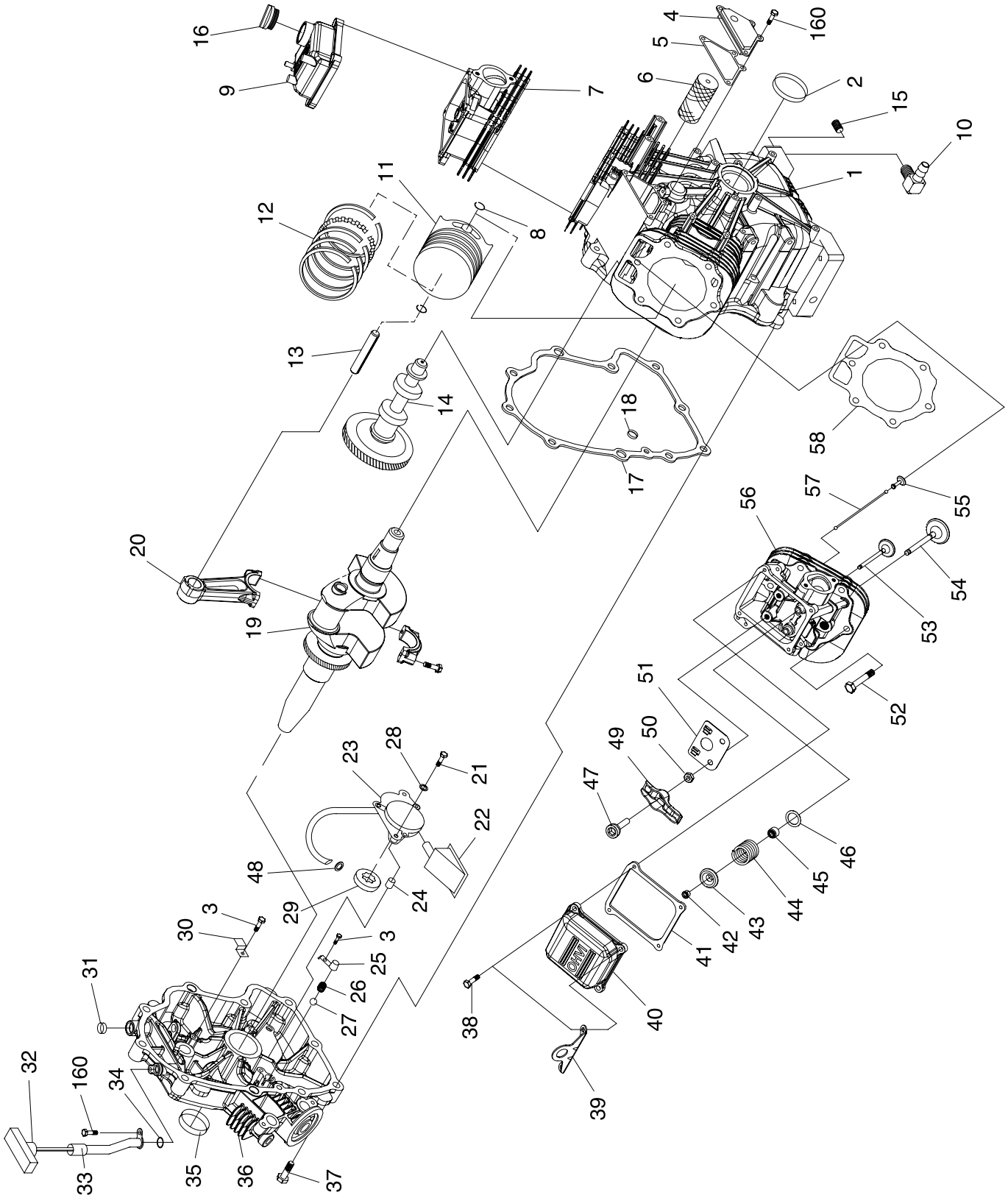
Commercial-Industrial-Residential Portable Generator System

GT-990 & GT-760 Engine (Page 1) – Drawing No. 0E8589E

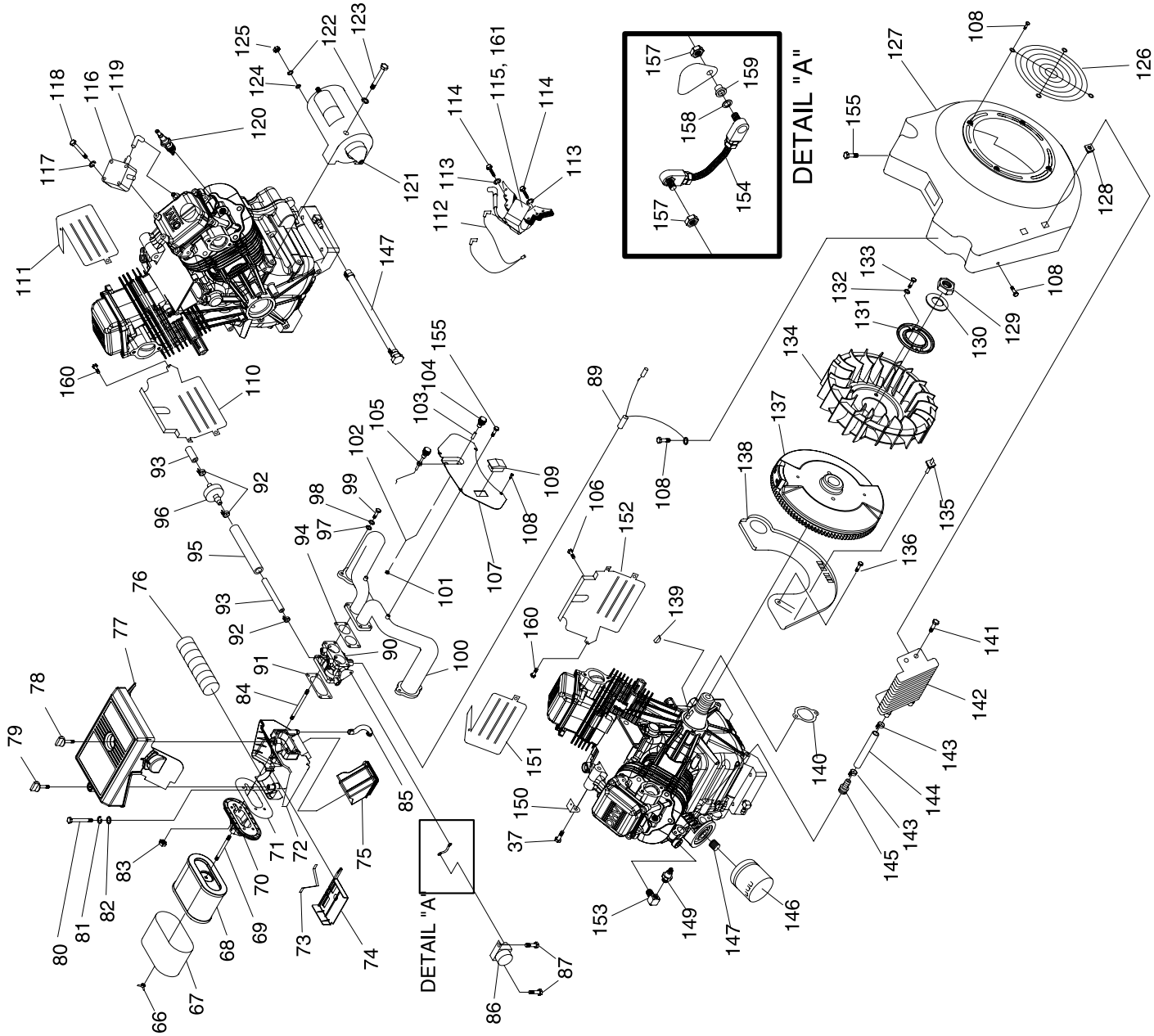


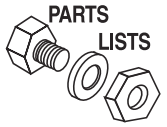
ITEM	PART #	QTY.	DESCRIPTION
1	0C5729	1	ASSEMBLY, CRANKCASE HOUSING WITH SLEEVE
2	0E9843	1	SEAL, 38 I.D. CRANKSHAFT
3	090388	3	SCREW, TAPTITE M6-1.0 X 12 BP
4	0C5372	1	ASSEMBLY, BREATHER
5	0C3005	1	GASKET, BREATHER COVER
6	0E3372B	1	SEPARATOR, OIL BREATHER
7	0D8067A	1	ASSEMBLY, HEAD #1
8	071983	4	RETAINER, PISTON PIN 20
9	0D5269	1	ROCKER, COVER
10	043790A	1	BARBED EL 90 3/8NPT X 3/8
11	0E2950	2	PISTON, LC (GT-990)
	0E2985	2	PISTON, HC (GT-760)
12	021533	2	SET, PISTON RING 90MM
13	0E1466	2	PIN PISTON
14	0D4041	1	ASSEMBLY, CAMSHAFT & GEAR
15	0D4788	2	PLUG STD PIPE 3/8 STEEL SQ HD
16	093064	1	ASSEMBLY, OIL FILL CAP
17	0C2977	1	GASKET, CRANK CASE
18	0C5943	1	SEAL, OIL PASSAGE
19	0E4357E	1	ASSEMBLY, CRANKSHAFT HORIZONTAL DIRECT DRIVE (GT-990)
	0E4356E	1	ASSEMBLY, CRANKSHAFT HORIZONTAL DIRECT DRIVE (GT-760)
20	0E3223	2	ASSEMBLY, CONNECTING ROD (GT-990)
	0E3222	2	ASSEMBLY, CONNECTING ROD (GT-760)
21	0D2157	2	SCREW SHC M6-1.0 X 50 G8.8
22	0E6098	1	SCREEN, OIL PICKUP
23	0D4123A	1	ASSEMBLY, OIL PUMP
24	078699E	2	SLEEVE, SEAMED DOWEL 10 DIA.
25	0C3011	2	COVER, OIL RELIEF
26	0C3009	2	SPRING, OIL RELIEF
27	0C3010	2	BALL, 1/2D OIL RELIEF
28	093873	2	WASHER, LOCK RIB M6
29	0C5315	1	GEROTOR, OUTER
30	0C5998	1	CLAMP, OIL TUBE
31	0D4497	1	PLUG-CRANKCASE GOVERNOR BORE
32	0C3971E	1	ASSEMBLY, DIPSTICK WITH HANDLE
33	0D3745	1	TUBE, DIPSTICK
34	0C3027	3	O-RING, OIL CLR
35	0E9842	1	SEAL, 42 I.D. CRANKSHAFT
36	0C5731	1	ASSEMBLY, HOUSING COVER WITH SLEEVE
37	0C3006	10	SCREW, HHFC M10-1.5 X 55
38	080318	8	SCREW HHFC M6-1.0 X 25
39	0C8808	2	HOOK, LIFTING
40	0C2981C	1	ROCKER, COVER
41	0C2979	2	GASKET, VALVE COVER
42	086515	8	KEEPER, VALVE SPRING
43	0D2274	4	RETAINER, VALVE SPRING
44	0D3867	4	SPRING, VALVE
45	078672	2	SEAL, VALVE STEM D7
46	0C5371	4	WASHER, VALVE SPRING
47	072694	4	STUD, ROCKER ARM PIVOT
48	0C3027	2	O-RING, 3/8" X 1/2"
49	0D5313	4	ROCKER ARM
50	0D3998	4	NUT, HEX M8-1.0 GB YELLOW CHROME
51	0D6024	2	PLATE, PUSH ROD GUIDE
52	0C2976	12	SCREW HHFC M8-1.25 X 65
53	086516	2	VALVE, EXHAUST
54	0C2229	2	VALVE, INTAKE
55	083897	4	TAPPET, SOLID
56	0D8067B	1	ASSEMBLY, HEAD #2
57	0D9853D	4	PUSHROD 147
58	0C2978	2	GASKET, HEAD
59	0D6008	1	KIT GEAR COVER
60	0D4010	1	KIT GASKET
61	0D6007	1	KIT PISTON & RINGS
62	0D4012	1	KIT BREATHER ASSEMBLY
63	0D8675A	1	KIT HEAD ASSEMBLY CYL 1
64	0D8675B	1	KIT HEAD ASSEMBLY CYL 2
65	0D4015	1	KIT OIL RELIEF

Item 59 (Kit) includes items 3, 30, 35 & Kit item 65
Item 60 (Kit) includes items 2, 5, 17, 18, 34, 35, 40, 57, 139, 153.
Item 61 (Kit) includes items 8, 11, 12, 13
Item 62 (Kit) includes items 4, 5, 6
Item 63 (Kit) includes items 7, 41, 42, 43, 44, 45, 46, 47, 49, 50, 51, 52, 53, 54, 57, 58
Item 64 (Kit) includes items 41, 42, 43, 44, 45, 46, 47, 49, 50, 51, 52, 53, 54, 56, 57, 58
Item 65 (Kit) includes items 25, 26, 27

Commercial-Industrial-Residential Portable Generator System

GT-990 & GT-760 Engine (Page 2) – Drawing No. 0E8589E

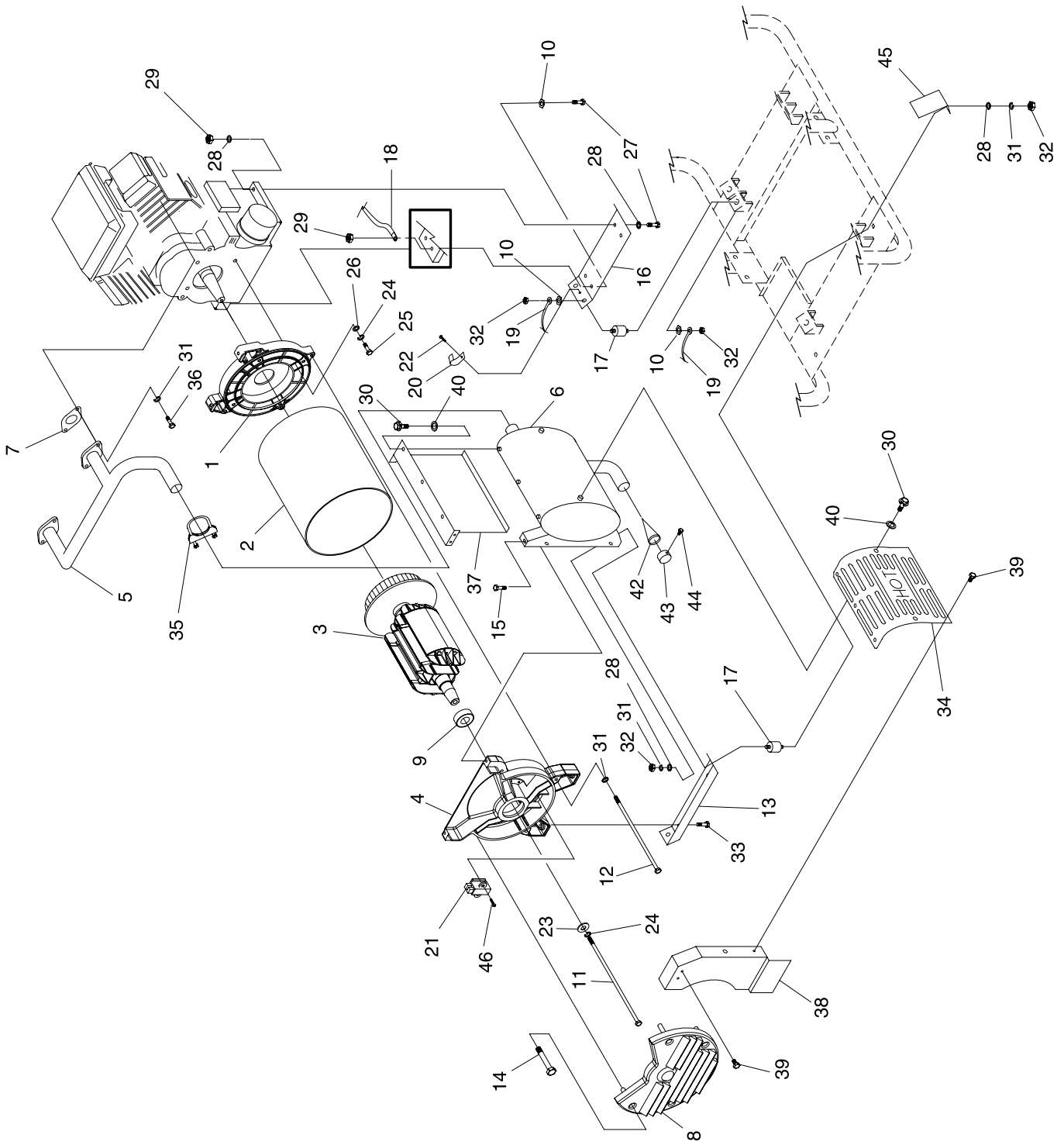


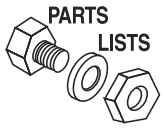


ITEM	PART #	QTY.	DESCRIPTION
66	0D6592	1	WINGNUT, AIRBOX
67	0D4511	1	PRECLEANER, AIR
68	0D9723	1	ELEMENT, AIR CLEANER
69	0E5302	1	STUD M6-1.0 X 73
70	0D4183	1	ADAPTER, SPIT BACK
71	0D6327	1	GASKET, SPITBACK
72	0D2774B	1	BASE, AIRBOX (GT-990)
	0E4870	1	BASE, AIRBOX (GT-760)
73	0D5125	1	SPRING, WINTER/SUMMER VALVE
74	0D2930	1	VALVE, SUMMER / WINTER
75	0D4612A	1	SNORKEL, AIR INTAKE
76	0D6143	1	TUBE, HEAT RISER 50.8 I.D.
77	0D2775	1	COVER, AIRBOX
78	0D5014A	1	KNOB, AIRBOX 17mm
79	0D5014B	1	KNOB, AIRBOX 95MM
80	049721	1	SCREW HHC M6-1.0 X 35
81	022097	1	WASHER LOCK M6-1/4
82	022473	1	WASHER FLAT 1/4
83	052857	4	NUT LOCK FLANGE M6-1.0
84	0D6021	4	STUD, METRIC
85	0C9093A	1	HOSE, BREATHER
86	0D4522	1	CONTROLLER ASSEMBLY
87	074908	2	SCREW HHTT M5-0.8 X 10
89	0E3398	1	ASSEMBLY, WIRE
90	0E2548	1	CARBURETOR (GT-990)
	0E5077	1	CARBURETOR (GT-760)
91	0D4026	1	GASKET, CARB TO SPACER (GT-990)
	0D4024	1	GASKET, CARB/AIRBOX (GT-760)
92	048031C	4	CLAMP HOSE BAND 1/4
93	030340	12"	HOSE ¼ ID
94	0D4023	1	GASKET, MANIFOLD TO CARB (GT-990)
	0D5282	1	GASKET, MANIFOLD TO CARB (GT-760)
95	086061G	1	SLEEVING 1/2" I.D.
96	0D6313	1	FILTER, FUEL
97	070008	4	WASHER FLAT M8
98	070006	4	WASHER LOCK M8
99	049821	4	SCREW SHC M8-1.25 X 30
100	0C9911	1	MANIFOLD, INTAKE
101	051714	1	NUT HEX M3-0.5
102	0D5411	1	ROD, SUMMER / WINTER VALVE
103	0D5445	1	BUSHING, MINI CONTROL PANEL
104	0D5416A	1	KNOB, CONTROL SUMMER / WINTER
105	0D5398	1	CHOKE ASSEMBLY
106	0E6043	2	SCREW TAPTITE M5-0.8 X 8 ZP
107	0D3432	1	PANEL, CONTROL FACE PLATE
108	045756	24	SCREW TAPTITE M6-1.0X 10 YELLOW CHROME
109	0D4767	1	SWITCH ROCKER
110	0D1142A	1	WRAPPER, LOWER CYLINDER 2
111	0D1143	1	WRAPPER, UPPER CYLINDER 2
112	0F1177	1	ASSEMBLY, GROUND WIRE
113	022097	4	WASHER LOCK M6-1/4
114	092079	4	SCREW TAPTITE M6-1.0 X 25 BP
115	0C3052	2	ASSEMBLY, IGNITION COIL
116	0C4147	1	PUMP, IMPULSE
117	022264	2	WASHER LOCK M4
118	0D6142	2	SCREW PPHM M4-0.7 X 40
119	0D5399A	1	ELBOW, RUBBER 90 DEG.
120	0E7585	2	SPARKPLUG, CHAMPION RC14YC
121	0E4271	1	STARTER, DELCO REMY SD80
122	022129	3	WASHER LOCK M8-5/16
123	061906	2	SCREW HHC M8-1.25 X 85 G8.8
124	022145	1	WASHER, FLAT M8
125	045771	1	NUT, HEX M8-1.25 G8
126	0D1131	1	GUARD,FAN
127	0C3022B	1	HOUSING, BLOWER GASOLINE COOLER
128	0C9763	4	NUT, GROMMET 1/4 PLUG
129	0C3034	1	NUT,HEX M24
130	0C3033	1	WASHER, M24
131	0C3032	1	PLATE, FAN
132	0A5992	2	WASHER SHAKEPROOF INT M8 SS
133	051754	2	SCREW HHC M8-1.25 X 12 G8.8
134	0C3031	1	FAN, NYLON
135	085011	1	INSULATOR ASSEMBLY IGNITION
136	045756	4	SCREW TAPTITE M6-1X10 YELLOW CHROME
137	0C3725A	1	FLYWHEEL ASSEMBLY
138	0C3016A	1	PLATE, BACKING GT990 WITH OIL COOL
139	082774	1	KEY, WOODRUFF 4 X 19D
140	0C3043	2	GASKET, MANIFOLD / PORT
141	0C9764	4	PLASTITE,1/4-15 X 3/4
142	0C3026	1	COOLER, OIL
143	0C7649	4	CLAMP HOSE .38-.87
144	0C9806	2	HOSE, 3/8" I.D. X 6" LONG
145	035461A	2	BARBED STR 1/4NPT X 3/8 WITH VIBRA SEAL
146	070185	1	FILTER, OIL D 69 X 64 LONG
147	0C7292	1	NIPPLE, 3/4"-16 UNF
148	0D3083	1	ASSEMBLY, OIL DRAIN HOSE
149	0C3025	1	SWITCH, OIL PRESS
150	0D4550	1	BRACKET, AIRBOX SUPPORT
151	0C3018	1	WRAPPER, UPPER CYLINDER 1
152	0C3019	1	WRAPPER, LOWER CYLINDER 1
153	046964A	1	BRASS ST ELBOW 1/4 NPT
154	0E0409	1	ASSY, ROD, GOV. STEPPER MOTOR
155	0C8563	6	SCREW HHHC M6-1.0 X12
157	0D9784	2	NUT, LOCK HEX M3-0.5 (GT-990)
	0E4869	2	NUT, HEX W/TOOTH WASHER M3-0.5 (GT-760)
158	031879	1	WASHER FLAT #4 (GT-990)
	0E4868	1	WASHER FLAT #4 (GT-760)
159	0D6098	1	SPACER, ROD (GT-760 ONLY)

Commercial-Industrial-Residential Portable Generator System

Generator – Drawing No. 0D4488D

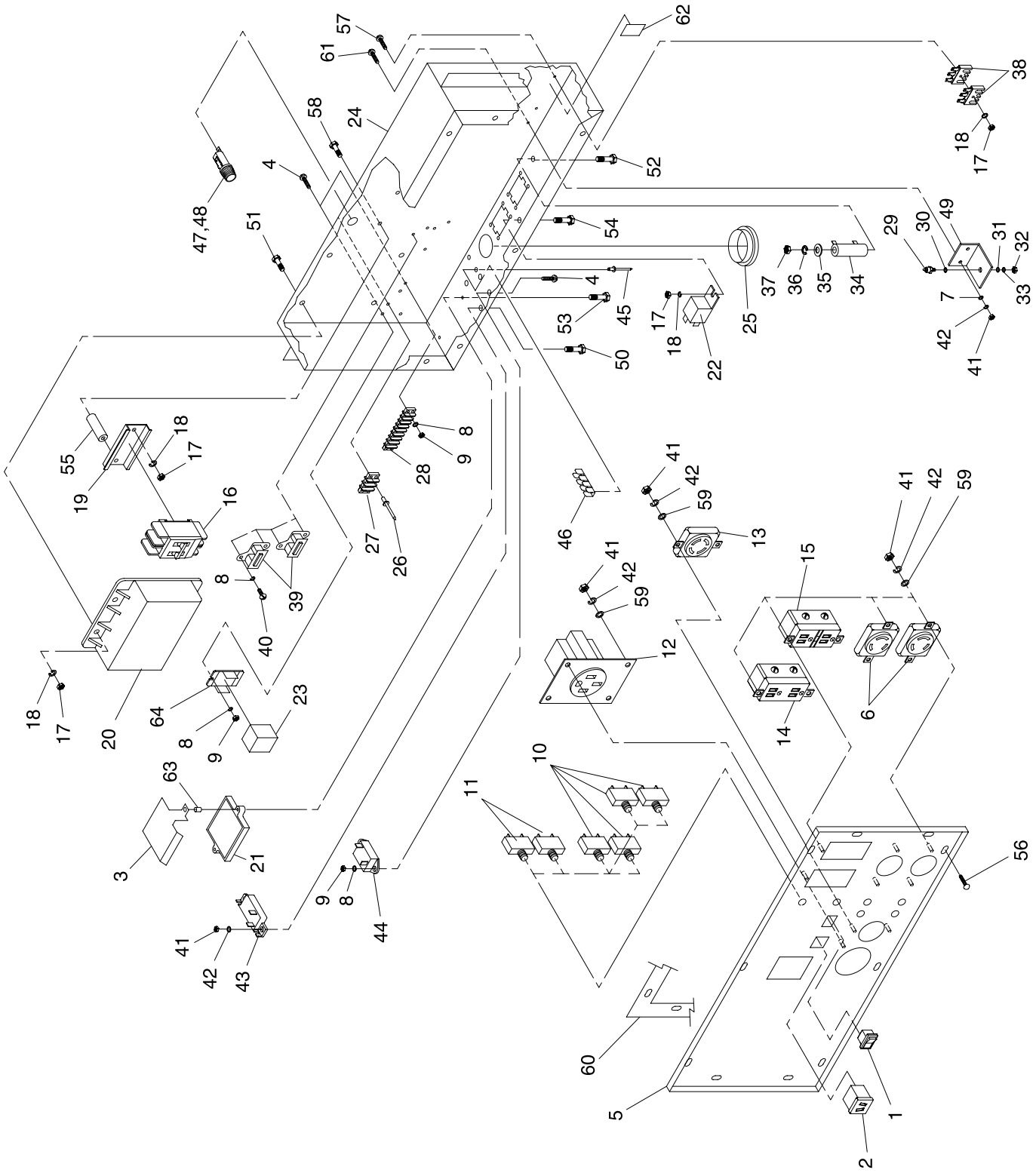


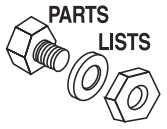


ITEM	PART NO.	QTY.	DESCRIPTION
1	0C6934	1	ADAPTOR, ENGINE
2	0D2123	1	STATOR 12.5KW
	0D2134		STATOR 15KW
	0D2136		STATOR 18KW
3	0D21320SRV	1	ASSEMBLY, ROTOR WITH FAN 12.5KW
	0D21330SRV		ASSEMBLY, ROTOR WITH FAN 15KW
	0D2135		ROTOR 18KW
4	0C6043B	1	CARRIER, REAR BEARING
5	0D2492	1	EXHAUST MANIFOLD
6	0D2726	1	MUFFLER
7	0C4138	2	GASKET, EXHAUST
8	0D3547	1	COVER, ALTERNATOR AIR IN
9	031971	1	BEARING
10	0C3168	3	5/16 SPECIAL LOCK WASHER
11	0D1838	1	SCREW IHHC 3/8-24 X 15.50 G5
12	0D3549	4	SCREW IHHC M8-1.25 X 400 G8.8
13	0C7038E	1	BRACKET, ALT MOUNTING
14	032712	4	SCREW HHTT #10-32 X 1.75
15	0D4662	1	SCREW HHTT M8-1.2 X 20
16	0C7038D	1	ENGINE MOUNTING PLATE
17	0C7758	6	RUBBER MOUNT
18	0388050AF0	1	BATTERY CABLE, BLACK
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	0C2824	1	SCREW TAP-R #10-32 X 9/16
23	0A2038	1	WASHER FLAT 3/8 ZINC
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-M10 ZINC
27	051731	4	SCREW HHC M8-1.25 X 50 G8.8
28	022145	21	WASHER FLAT 5/16 ZINC
29	049820	4	NUT LOCK HEX M8-1.25 NYLON INSERT
30	079246	5	SCREW HHC M6-1.0 X 16 WITH LOCK WASHER
31	022129	18	WASHER LOCK M8-5/16
32	022259	12	NUT HEX 5/16-18 STEEL
33	059637	2	SCREW TAPTITE 3/8-16 X 3/4 BP
34	0D5100	1	SHIELD, MUFFLER HEAT
35	0D5823	1	U-BOLT & SADDLE
36	0C8565	4	SCREW SHC M8-1.25 X 18
37	0D5833	1	PANEL, MUFFLER BOX BACK
38	0D5834	1	PANEL, MUFFLER BOX END
39	090388	3	SCREW HHTT M6-1.0 X 12
40	022473	5	WASHER FLAT 1/4
41	N/A	-	NOT USED
42	0D5133	1	SPARK ARRESTOR SCREEN
43	0D5133A	1	RETAINER, SPARK ARREST SCREEN
44	045764	1	SCREW HHTT M4-0.7 X 8
45	0D6214	1	SHIELD, RUBBER MOUNT
46	066849	2	SCREW HHTT M5-0.8 X 16

Commercial-Industrial-Residential Portable Generator System

Control Panel – Drawing No. 0E0227B

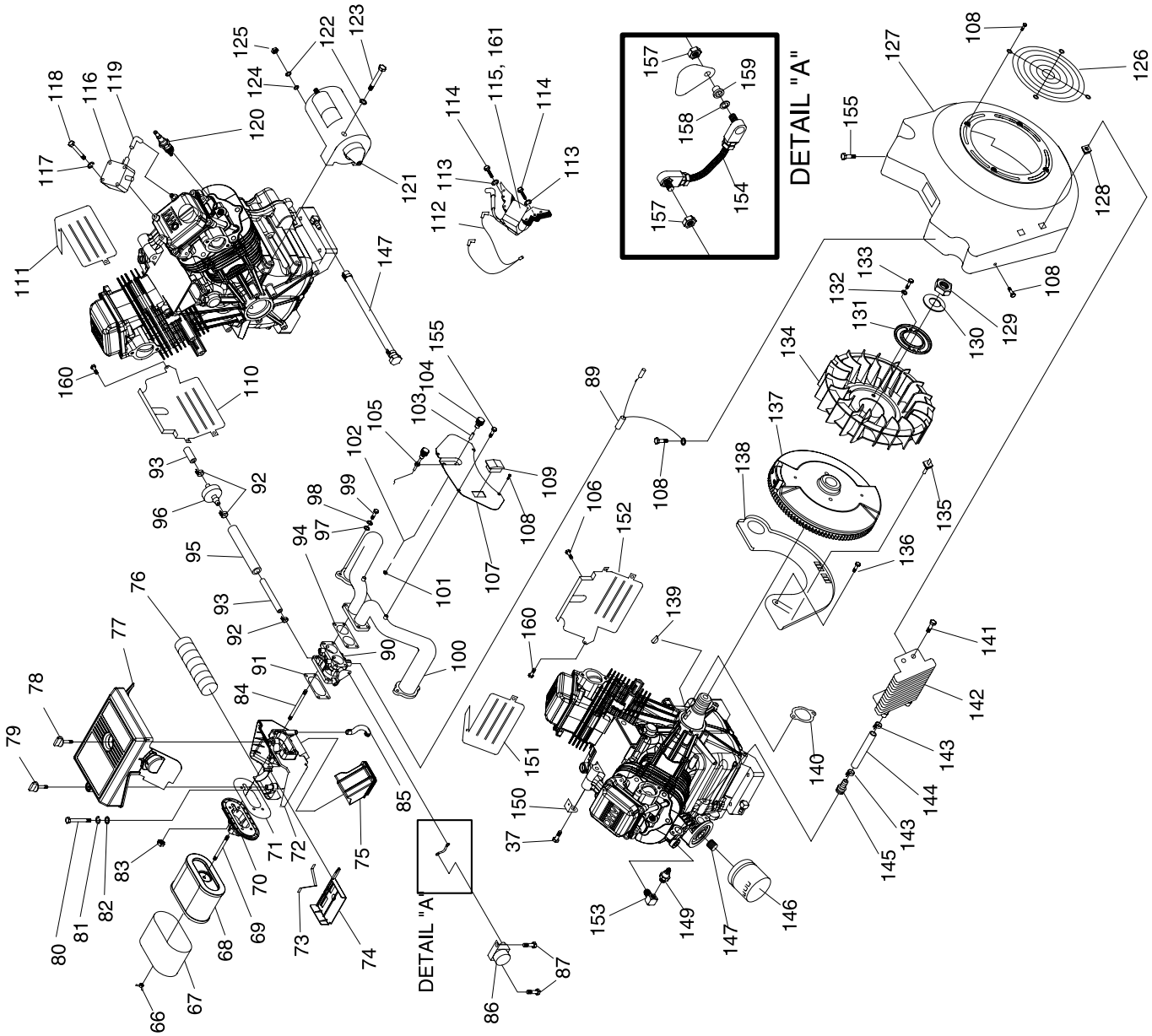


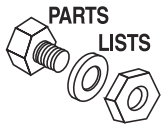


ITEM	PART NO.	QTY.	DESCRIPTION
1	087968	1	SWITCH, ROCKER -/0
2	090418	1	OUTLET, 12VDC SNAP
3	0D6640	1	COVER, GOVERNOR CONTROL
4	090987	6	SCREW PPHM M3-0.5 X 12
5	0D2502	1	PANEL, SHEET METAL
6	068868	2	OUTLET 30A 120V RECEPT
7	022985	2	WASHER FLAT #6
8	043182	10	WASHER LOCK M3
9	051714	6	NUT HEX M3-0.5 G8
10	075207A	4	CIRCUIT BREAKER 30A
11	075207	2	CIRCUIT BREAKER 20A
12	0D4969	1	OUTLET 50A 125/250V
13	043437	1	OUTLET 30A 125/250V
14	0D4968	1	OUTLET 20A 120V DPLX
15	0D4966	1	OUTLET 20A 120V GFCI
16	0D1004E	1	CIRCUIT BREAKER 50A 400V 2POLE
17	051716	8	NUT HEX M5-0.8 G8
18	022152	8	WASHER LOCK #10
19	0D5045	1	DIN RAIL 59.5mm LONG
20	067680	1	ASSEMBLY VOLTAGE REGULATOR 60HZ
21	0D4409	1	ELECTRONIC GOVERNOR / IDLE CONTROLLER
22	052844	1	RELAY PNL 12VDC SPST 30A
23	0F3100	1	RELAY 3PDT 12VDC
24	0D2691	1	CONTROL PANEL BOX
25	023484L	1	BUSHING SNAP
26	0A1661	2	RIVET POP .156 X .160-.164 / #20
27	048766	1	BLOCK TERMINAL 20A 2 X 6 X 1100V
28	0D3550	1	BLOCK DOUBLE ROW TERMINAL 8 POSITION
29	049939	1	RECTIFIER MSC 12A 600V
30	070370	1	WASHER MICA .203
31	030468	1	WASHER STEP NYLON .20
32	022158	1	NUT HEX #10-32
33	023897	1	WASHER FLAT #10
34	057405	1	RESISTOR 25R 5% 25W
35	022473	1	WASHER FLAT 1/4
36	022097	1	WASHER LOCK M6-1/4
37	049813	1	NUT HEX M6-1.0 G8
38	065795	2	RECTIFIER-BATTERY CHARGER
39	0D4804	2	TRANSFORMER, IDLE CURRENT
40	0C1085	4	SCREW PPHM M3-0.5 X 8
41	051715	18	NUT HEX M4-0.7 G8
42	022264	18	WASHER LOCK M4
43	048505	1	CIRCUIT BREAKER 6 X 1
44	087962	1	CIRCUIT BREAKER 10 X 1 12VDC 1/4"QC
45	036261	2	RIVET POP .125 X .129-.133 / #30
46	0A2769	1	LUG GRND 8 TABS
47	032300	1	HOLDER FUSE
48	028578	1	FUSE 10A X AGC10
49	055444	1	HEATSINK
50	075475	2	SCREW PPHM M4-0.7 X 10
51	049815	4	SCREW HHC M5-0.8 X 16 G8.8
52	0A2053	1	SCREW HHC M6-1.0 X 65 G8.8
53	055440	2	SCREW HHC M5-0.8 X 25 G8.8
54	045770	1	SCREW HHC M5-0.8 X 10 G8.8
55	0D5734	2	SPACER .25 X .50 X 1.5
56	074908	18	SCREW HHTT M5-0.8 X 10
57	075235	1	SCREW PPHM M5-0.8 X 30
58	080823	2	SCREW PPHM M5-0.8 X 50
59	038150	14	WASHER FLAT #8
60	0D6140	1	GASKET, PORTABLE CONTROL PANEL
61	075476	2	SCREW PPHM M4-0.7 X 16
62	027565	A/R	TAPE ELEC UL PERMACEL
63	058000K	2	NUT TRIC M5-0.8
64	0F3101	1	RELAY BASE 3PDT 12VDC

Commercial-Industrial-Residential Portable Generator System

Frame, Handle & Wheel Kit – Drawing No. 0E0695A

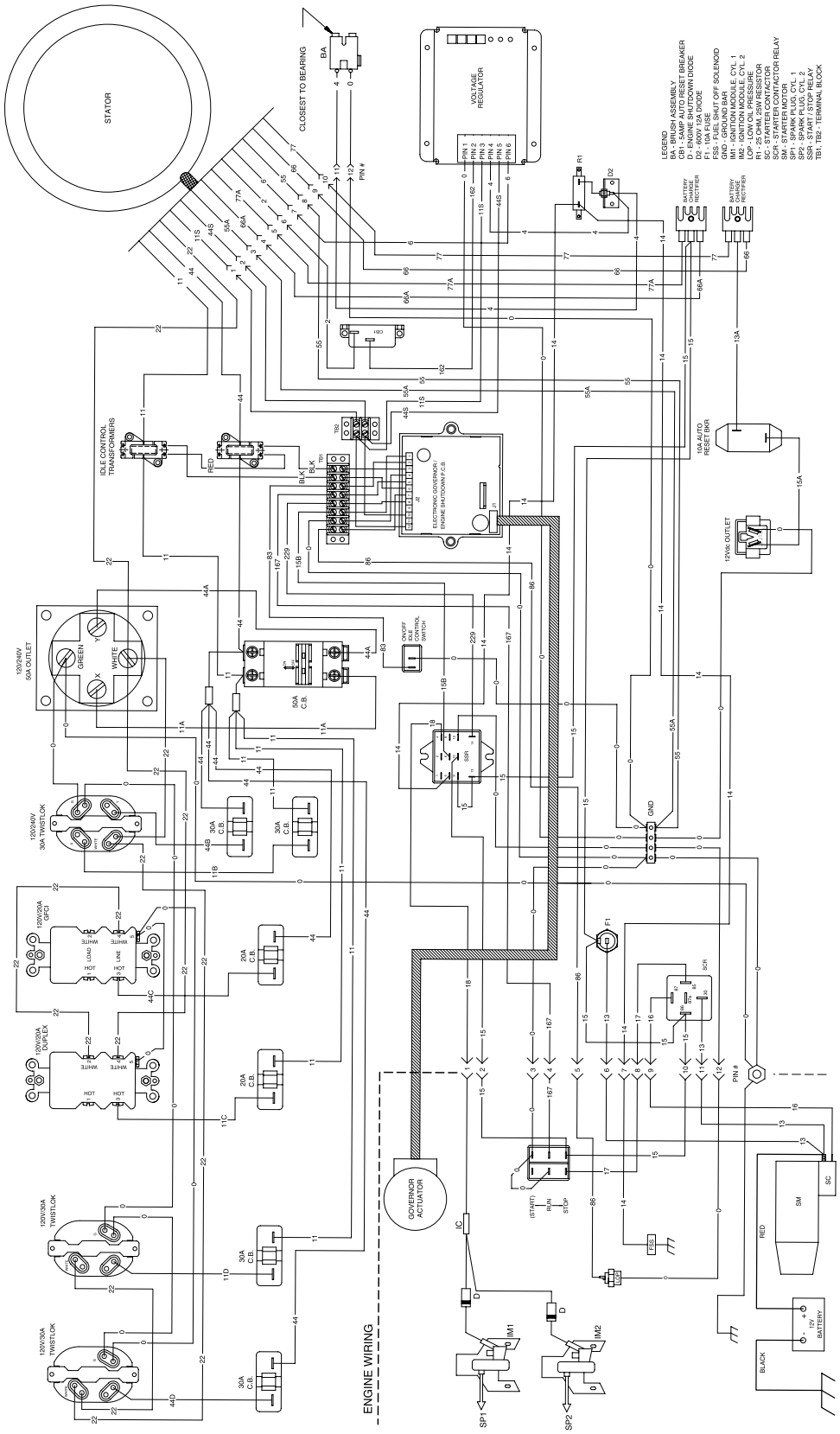




ITEM	PART NO.	QTY.	DESCRIPTION
1	057058	4	SCREW HHC M6-1.0 X 55
2	0D5315	4	RUBBER TANK MOUNT
3	0D4570	1	CAP, FUEL WITH GAUGE & VENT
4	0D22850SRV	1	KIT, FUEL TANK
5	045771	4	NUT HEX M8-1.25
6	022129	10	WASHER LOCK M8-5/16
7	022145	14	WASHER FLAT 5/16
8	0D4565	1	BRACKET BATTERY
9	0D3545	2	BOLT,BATTERY J-BOLT
10	022287	2	SCREW HHC 1/4-20 X 3/4 G5
11	022473	2	WASHER FLAT 1/4
12	022097	2	WASHER LOCK M6-1/4
13	022127	2	NUT HEX 1/4-20
14	0388040AK0	1	BATTERY CABLE, RED
15	0D4575	1	BATTERY U1
16	0D5202	1	NUT WING 5/16-18 BRASS
17	0D5199	4	WASHER FLAT 5/16 BRASS
18	029809	1	NUT HEX 5/16-18 BRASS
19	0C3168	1	5/16 SPECIAL L/WASH
20	0D5198	1	SCREW HHC 5/16-18 X 1.5 BRASS
21	0E0317	1	BRACKET FRONT FOOT (15 kW)
	0D2498	1	BRACKET FRONT FOOT (12.5 kW)
22	027007	2	VIB MOUNT
23	0D5303	4	WASHER FLAT .25ID X 1"OD
24	042909	2	SCREW HHC M8-1.25 X 30
25	090388	4	SCREW HHTT M6-1.0 X 12
26	064101	6	NUT LOCK FL 3/8-16
27	039214	6	BOLT CARR 3/8-16 X 1
28	0D9165	1	AXLE, 3/4"DIA X 30" (15 kW)
	0D2496	1	AXLE, 3/4"DIA X 27.25" (12.5 kW)
29	045900	2	WASHER FLAT 3/4" (15 kW)
	045900	4	WASHER FLAT 3/4" (12.5 kW)
30	0D7668	2	12.3" PNEUM WHEEL 3/4" AXLE (15 kW)
	0D2495	2	10" PNEUM WHEEL 3/4" AXLE (12.5 kW)
31	0D4999	2	PIN COTTER 1/8 X 1-1/4
32	0D4044	2	BRACKET, WHEEL SPACER
33	0D3700	4	NUT FLANGE M6-1.0 NYLOK
34	0D2497	1	HANDLE
35	022532	4	SCREW HHC 5/16-18 X 2-1/2 G5
36	027028	6	NUT LOCK HEX 5/16-18 NYLON INSERT
37	0D2271	1	FRAME
38	052762	4	SCREW HHC M5-0.8 X 45 G8.8
39	051713	8	WASHER FLAT M5
40	049226	4	WASHER LOCK M5
41	051716	4	NUT HEX M5-0.8
42	050190	2	WASHER FLAT 1"
43	078299	1	BUSHING TANK DEXTOR
44	080270	1	VALVE, PLASTIC TANK
45	0D5142	1	AIR DEFLECTOR
46	096021	2	GROMMET .75 X .06 X .50
47	048031C	2	CLAMP HOSE BAND ¼
48	030340	18"	HOSE ¼ ID
49	075763	1	BOOT BATTERY CABLE
50	075763A	1	BOOT STARTER CABLE
51	0E0318	2	SPACER, AXLE (15 kW)
52	030795	2	SCREW HHC 5/16"-18 X 1"

Commercial-Industrial-Residential Portable Generator System

Wiring Diagram – Drawing No. 0E0228



Commercial-Industrial-Residential Portable Generator System
Schematic – Drawing No. 0E0229A