



PM-242702A

2020-07

Processes



Stick (SMAW) Welding



TIG (GTAW) Welding



Flux Cored (FCAW) Welding



Air Carbon Arc (CAC-A) Cutting and Gouging

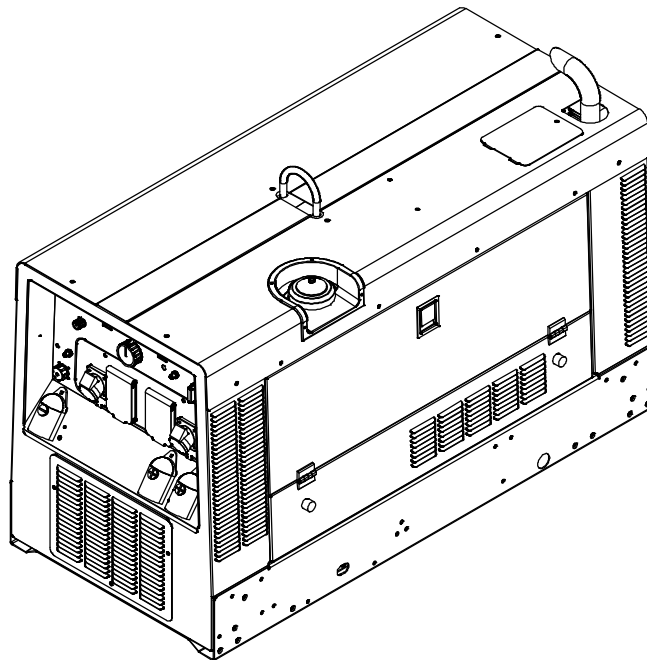
Description



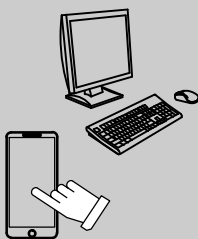
Engine Driven Welder/Generator

Big Blue[®] 500X Eco Pro

Eff w/Serial No. LK510011E And Following



PARTS MANUAL



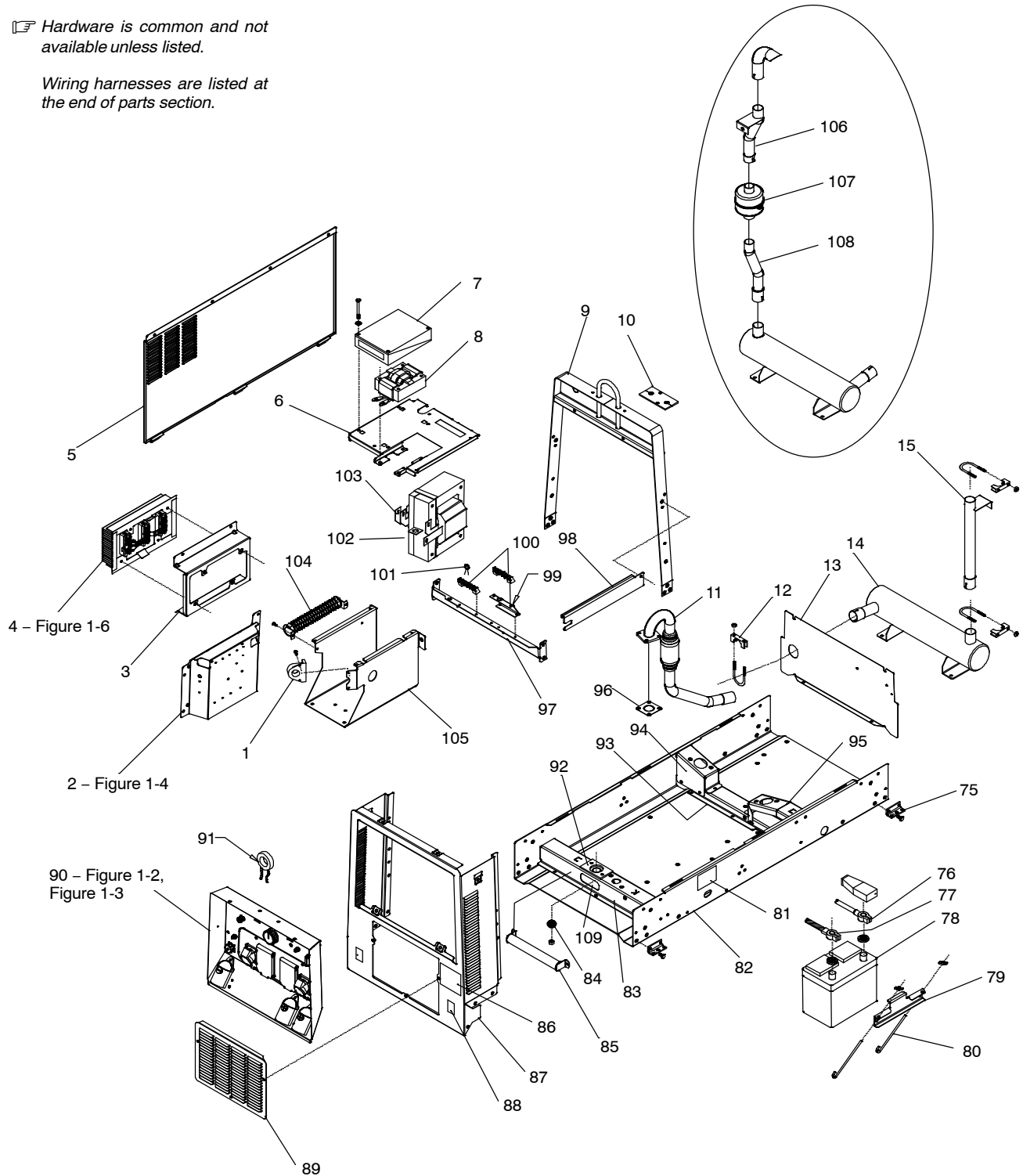
For product information,
Owner's Manual translations,
and more, visit

www.MillerWelds.com

SECTION 1 – PARTS LIST

 Hardware is common and not available unless listed.

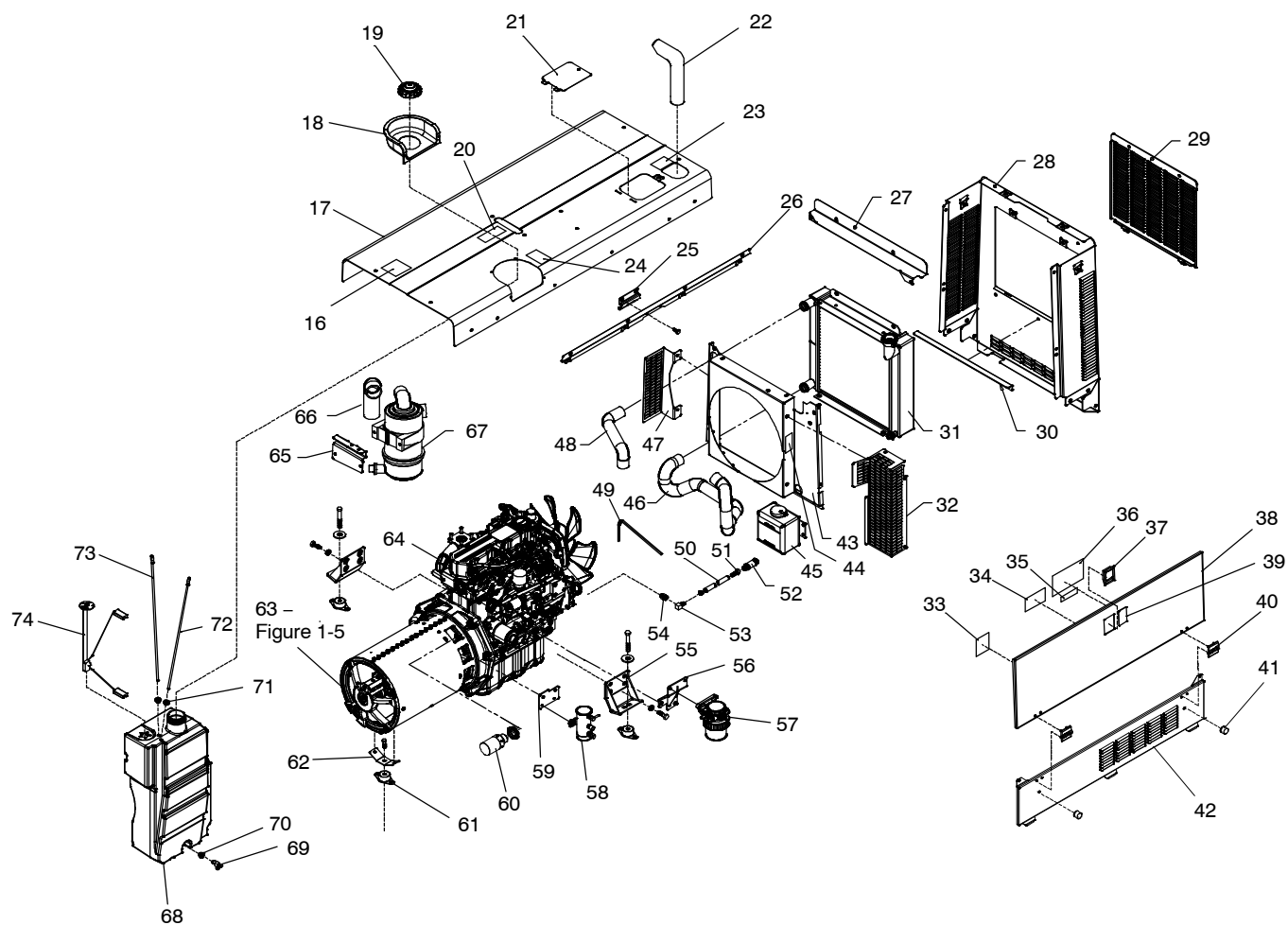
Wiring harnesses are listed at the end of parts section.



907 427-8A
907 427-3

Figure 1-1. Main Assembly

Eff w/Serial No. LK510011E And Following



907 427-10A

Eff w/Serial No. LK510011E And Following

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 1-1. Main Assembly				
1	HD1	168829	Transducer, Current 1000a Module Max Open Loop	1
2		Figure 1-4	Control Panel	1
3		217070	Bracket, Rectifier	1
4		Figure 1-6	Rectifier Assembly	1
		181853	Insulator, Screw (For Rectifier Mtg)	4
5		+243709	Panel, Engine Side	1
6		232425	Bracket, Vault	1
7	PC1	241020	Module, Main Control/Scr Gating	1
8	T1	232445	Xfmr, Control	1
9		213493	Upright, Center Assy (Prior to MC330071C)	1
9		259211	Upright, Center Assy (Eff w/MC330071C and following)	1
10		189464	Seal, Weather Lift Eye	1
11		241264	Pipe, Exhaust Flexible Inlet	1
12		209057	Clamp, Muffler 1.625 Dia U Pld	3
13		212604	Baffle, Air Lower Radiator	1
14		201528	Muffler, Exhaust Engine	1
15		212605	Pipe, Exhaust	1
16		233088	Label, Danger Using A Generator Indoors Can Kill You In Minutes (Prior to MF520019E)	1
16		272340	Label, Danger Using Generator Indoor (En/Fr/Sp-Sym) (Eff w/MF520019E)	1
17		+213470	Cover, Top (Prior to MB040167E)	1
17		+249656	Cover, Top (Eff w/MB040167E)	1
		049525	Nut, 312-18 U-nut Multi-thread	8
18		189052	Grommet, Plastic Neck Filler Fuel	1
19		190198	Cap, Tank Screw-on 3.500 In W/Vent W/Lanyard 8"	1
20		222513	Label, Warning Falling Equipment (Prior to MF520019E)	1
20		272339	Label, Warning Falling Equipment (En/Fr-Sym) (Eff w/MF520019E)	1
21		201851	Cover, Radiator Access	1
22		214604	Pipe, Exhaust Elbow	1
23		224265	Label, Warning Hot Exhaust Parts Do Not Touch (Prior to MF520019E)	1
23		272333	Label, Warning Hot Parts (En/Fr-Sym) (Eff w/MF520019E)	1
24		192041	Label, Use Diesel Fuel Only (Prior to MF520019E)	1
24		272338	Label, Use Diesel Fuel Only (En/Fr-Sym) (Eff w/MF520019E)	1
25		213472	Keeper, Latch Engine Access	1
26		213471	Bracket, Cover Top	2
27		212603	Baffle, Air Upper Radiator	1
28		+243710	Upright, Rear	1
29		243711	Panel, Rear Access	1
30		220295	Bracket, Stiffener	1
31		243698	Radiator, W/14# Cap 1 Row Core 1.250 Inlet/Outlet	1
		187120	Cap, Radiator Pressure 14 Lb	1
32		213503	Guard, Fan	1
		222652	Bracket, Mtg Hose	1
33		217698	Label, Help Codes	1
34		176108	Label, Warning Battery Explosion Can Blind (Prior to MF520019E)	1
34		272341	Label, Warning Battery Explosion (En/Fr-Sym) (Eff w/MF520019E)	1
35		203260	Label, Caution Do Not Use Ether (Prior to MF520019E)	1
35		272332	Label, Notice Do Not Use Ether (En/Fr-Sym) (Eff w/MF520019E)	1
36		239396	Label, Diesel Engine Maintenance Mitsubishi S4L2	1
37		245362	Latch, Paddle Series 20 (Black)	1
38		+213487	Door, Engine Access	1
39		225120	Label, Warning Moving Parts Can Cause Injury (Prior to MF520019E)	4
39		272334	Label, Warning Moving Parts (En/Fr-Sym) (Eff w/MF520019E)	4
		191626	Bumper, Door Engine Access	3
40		189975	Hinge, Door Access 180 Deg	2
41		087341	Bumper, Door 1.000 Od X .750 High Rbr 50 Duro W/O	2

Eff w/Serial No. LK510011E And Following

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 1-1. Main Assembly (Continued)				
42		243708	Panel, Rocker	1
43		+241176	Shroud, Radiator	1
44		225120	Label, Warning Moving Parts Can Cause Injury	2
44		272334	Label, Warning Moving Parts (En/Fr-Sym) (Eff w/MF520019E)	2
45		190190	Tank, Coolant Recovery	1
46		241286	Hose, Radiator Lower	1
47		241266	Guard, Fan	1
48		241256	Hose, Radiator Upper	1
49		242883	Belt, Alternator	1
		199505	Hose Assy, Oil Drain 32.000 Lg (Includes)	1
50		113854	Hose, Sae .500 Id X .780 Od Xcoil	2.6 Ft.
51		176529	Ftg, Hose Brs Barbed Fem 1/2 Tbg X 3/8 Npt	1
52		165271	Valve, Oil Drain 3/8-18 Nptf	1
53		197448	Ftg, Hose Brs Barbed Elbow M 1/2 Tbg X 3/8 Npt	1
54		236978	Ftg, Adapter Oil Drain Mitsubishi	1
55		244218	Bracket, Mtg Engine	2
56		243950	Bracket, Mtg Fuel Filter	1
57		242881	Filter, Fuel Spin-on (Prior to MB200187E)	1
57		252781	Filter, Fuel Spin-on (Eff w/MB200187E)	1
58		241265	Pump, Fuel	1
59		241255	Bracket, Mtg Fuel Pump	1
60		242538	Actuator, Linear	1
		243763	Nut, M30x1.5 Hex	1
61		213266	Mount, Engine/Generator Flange Mtg	3
62		213461	Bracket, Mtg Generator	1
63		Figure 1-5	Generator Assembly	1
64		242642	Engine, Mitsubishi Dsl Elec S4L2 (Prior to MD230158E)	1
64		263125	Engine, Mitsubishi Dsl Elec S4L2 (Eff w/MD230158E)	1
		*213858	Filter, Fuel In-line 5/16x5/16 Mic 125 -175	1
		*242882	Filter, Lube Oil	1
		244711	Filter Kit, Mitsubishi (S4I2) (Prior to MA250132E)	1
		252782	Filter Kit, Mitsubishi (S4I2) (Eff w/MA250132E)	1
		244039	Switch, Coolant Temp N.C. 111c	1
		244040	Switch, Lubricating Oil Pressure N.c.	1
65		241268	Bracket, Mtg Air Intake (Prior to MB040167E)	1
65		249550	Bracket, Mtg Air Intake (Eff w/MB040167E)	1
66		241272	Hose, Air Intake	1
67		197613	Air Cleaner, Intake 5.250 In (Includes) (Prior to MB040167E)	1
		197675	Dust Ejector, Air Cleaner	1
		197677	Cover Assy, Air Cleaner	1
		197678	Body, Air Cleaner	1
		*197676	Element, Air Cleaner	1
		197829	Bracket, Mtg Air Cleaner	1
		*197679	Element, Air Cleaner Safety	1
67		249657	Air Cleaner, Intake 5.250 In (Includes) (Eff w/MB040167E)	1
		249661	Dust Ejector, Air Cleaner	1
		249659	Cover Assy, Air Cleaner	1
		249658	Body, Air Cleaner	1
		249664	Latch	1
		*197676	Element, Air Cleaner	1
		197829	Bracket, Mtg Air Cleaner	1
		*197679	Element, Air Cleaner Safety	1
68		227643	Tank, Fuel (Includes Fuel Cap And Items Below) (Prior to MD370084E)	1
68		262722	Tank, Fuel (Includes Fuel Cap And Items Below) (Eff w/MD370084E)	1
69		189908	Valve, Drain Fuel 180 Deg Zinc Pld	1
70		181572	Bushing, Tank Fuel	1
71		124253	Bushing, Tank Fuel	1

Eff w/Serial No. LK510011E And Following

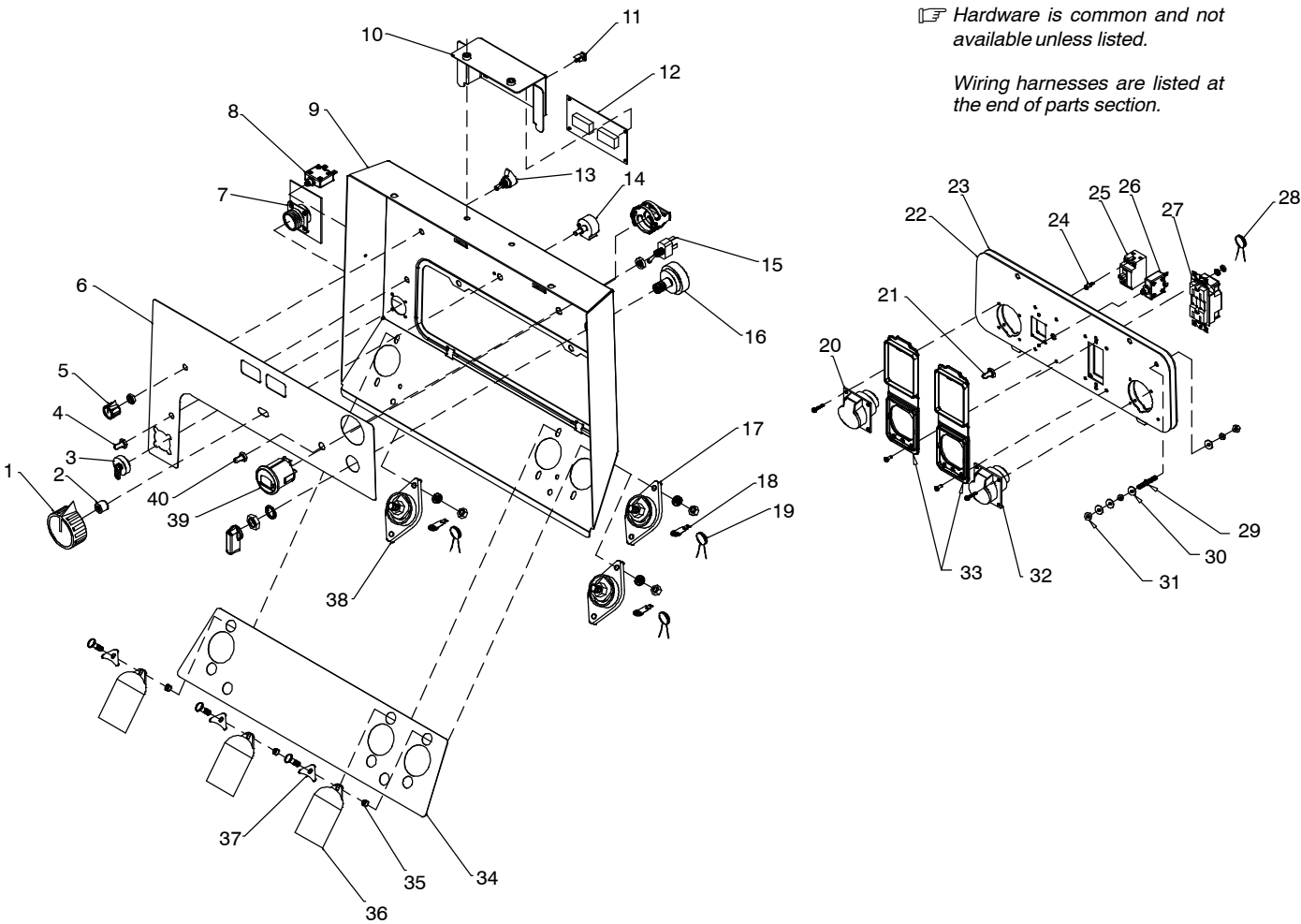
Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 1-1. Main Assembly (Continued)				
72		212611	Hose, Fuel Stand Pipe W/3/16 In Ftg (Return)	1
73		212610	Hose, Fuel Stand Pipe W/5/16 In Ftg (Supply)	1
		010323	Weldcraft Clamp, Hose .250-.625 Clp Dia (Eff w/MD370084E)	1
74	SENDER	235191	Sender, Fuel Gauge	1
75		213668	Bracket, Mtg Unit	4
76		190207	Cable, Bat Pos 45 In Lg No 1 Awg W/Clamp & .406 Rng	1
77		190206	Cable, Bat Neg 42 In Lg 2 Awg W/Clamp & .375 Rng	1
78	BATT		Battery, Stor 12v 585 Crk 95 Rsv Gp 55 Maint Free	1
79		213466	Bracket, Battery Holddown (Prior to MD130238E)	1
79		261792	Bracket, Battery Holddown (Eff w/MD130238E) (Not Shown)	1
80		213465	Bolt, J Stl .312-18 X 7.250 Pld	2
81		224266	Label, Warning Do Not Weld On Base (Prior to MF520019E)	2
81		272342	Label, Warning Do Not Weld On Base (En/Fr-Sym) (Eff w/MF520019E)	2
82		213458	Base	1
83		213460	Crossmember, Generator	1
84		213463	Spacer/Stubber, Generator Mtg	1
85		189699	Resistor, Ww Tap 375 W 10 Ohm W/Mtg Bkt	1
86		226150	Label, Ce Sound Power Level 96db	1
87		+226104	Upright, Front	1
88		233952	Label, Warning General Precautionary (Wordless) (Prior to MF520019E)	1
88		272343	Label, Warning General Precautionary (En/Fr-Sym) (Eff w/MF520019E)	1
89		220955	Panel, Front Access	1
90	Figure 1-2, 13-3		Front Panel Assembly	1
91	CT1	105370	Xfmr, Current	1
92		213462	Pad, Mtg Generator	1
93		213459	Crossmember, Engine	1
		213464	Bracket, Battery Locator (In Base - Not Shown) (Prior to MD130238E)	1
		261784	Bracket, Battery Locator (In Base - Not Shown) (Eff w/ MD130238E)	1
94		213485	Support, Engine Lh	1
95		213483	Support, Engine Rh	1
96		245752	Gasket, Exhaust Outlet	1
97		213500	Brkt, Beam Support	1
98		214753	Bracket, Holddown Fuel Tank	1
99		285297	Adapter, Terminal Block	1
100	TE1, TE2	172661	Block, Stud Connection 6 Position	2
101	C11	217054	Capacitor, Cer Disc .0047 Uf 3000 Vdc W/Terms	1
102	Z1	245553	Stabilizer	1
103	TP1	244183	Thermostat, Nc Open 180f Close 155f Flange Faston	1
		192303	Angle, Mtg Stabilizer	2
104	R3	213027	Resistor, WW Tap 300 W 40 Ohm	1
		173734	Link, Jumper	3
105		213504	Tray, Reactor&Rectifier	1
106		♦244508	Pipe, Exhaust Spark Arrestor	1
107		♦088528	Spark Arrestor, Exhaust	1
108		♦244507	Pipe, Exhaust	1
109		221001	Label, Warning Electric Shock Wordless (Ce) (Prior to MF520019E)	1
		238650	Label, Hour/Fuel Meter Usage	1
		213506	Bracket, Hold-Down Fuel Tank (Not Shown)	1
		218460	Kit, Label (Includes Safety And Informational Labels) (Prior to MF520019E)	1

+ When ordering a component originally displaying a precautionary label, the label should also be ordered.

* Recommended Spare Parts.

♦ Optional

To maintain the factory original performance of your equipment, use only Manufacturer's Suggested Replacement Parts. Model and serial number required when ordering parts from your local distributor.



907 427-12A

Figure 1-2. Panel, Front w/Components (Prior to MD230163E)

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 1-2. Panel, Front w/Components (Prior to MD230163E) (Figure 1-1 Item 90)				
1		097926	Knob, Pointer 2.375 Dia X .250 Id W/Set Screwsplstc	1
2		072590	Lock, Shaft Pot .375-32 X .250 Dia Shaft Tall	1
3		170391	Conn, Circ Ms Protective Cap Size 20 Nylon	1
4		190323	Boot, Circuit Breaker Clear Hex Nut	1
5		097922	Knob, Pointer .875 Dia X .250 Id W/Set Screwsplstc	1
6			Nameplate, Control (Order By Model & Serial No.)	1
7	PC6	229949	Circuit Card Assy, Connector/Receptacle	1
8	CB8	083432	Supplementary Pro, Man Reset 1p 10a 250vac Frict	1
9		240669	Panel, Front Engine/Weld Control	1
10		214762	Bracket, Meter Hole Cover	1
10		♦214543	Enclosure, Circuit Card Assy	1
11		♦134201	Stand-off Support, Pc Card .312/.375w/Post&lock .43	4
12	PC2	♦214660	Circuit Card Assy, Display W/Program	1
13	R1	242793	Switch, Rotary 3 Posn 1p 200ma 28vdc W/Resistors	1
14	R2	193118	Pot, Cp Flat 1t 2. W 1k Ohm Linear	1
15	S4	021467	Switch, Tgl Spst 3a 250v Off-none-(On) Spd Term	1

Eff w/Serial No. LK510011E And Following

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 1-2. Panel, Front w/Components (Prior to MD230163E) (Continued)				
... 16	S1	217680	Switch, Ignition 4 Position W/Out Handle	1
		207073	Lever, Ignition Switch	1
		201244	Washer, Tooth.728idx1.166odx.050t Stl Pld Int.688	1
... 17		241432	Terminal, Pwr Output Red	2
... 18		010381	Connector, Rectifier	3
... 19	C13, 14, 15	128750	Capacitor, Cer Disc .1 Uf 500 Vdc W/Terms	3
... 20	RC11	176355	Rcpt, Str 2p3w 16a 220v Flange Mtg	1
... 21		206795	Boot, Circuit Breaker Clear Hex Nut	1
... 22			Nameplate, Generator Power (Order By Model & Serial No.)	1
... 23		239423	Panel, Power CE	1
... 24		144844	Stand-off, No 6-32 X .875 Lg .250 Hex Al Fem	4
... 25	ELCB1	222991	Circuit Breaker, Elcb 20a 220v 0.030a Trip	1
... 26	CB5	093996	Supplementary Pro, Man Reset 1p 20a 250vac Frict	1
... 27	GFCI1	151981	Rcpt, Str Dx Grd 2p3w 15/20a 125v *5-20r Gfi (Prior to MA100124E)	1
... 27	GFCI1	246865	Rcpt, Str Dx Grd 2p3w 20a 125v *5-20r Gfi (Eff w/MA100124E)	1
... 28	C11	217054	Capacitor, Cer Disc .0047 Uf 3000 Vdc W/Terms	1
... 29	GRD	083030	Stud, Brs .250-20 X 1.750 W/Hex Collar	1
... 30		010915	Washer, Flat .257idx0.640odx.031t Brs	4
... 31		601836	Nut, 250-20 .50hex .19h Brs	3
... 32	RC12	173555	Rcpt, Str 2p3w 16a 130v Flange Mtg	1
... 33		209056	Cover, Receptacle W/Gasket	2
... 34			Nameplate, Weld Terminal (Order By Model & Serial No.)	1
... 35		181169	Spacer, Output Stud	3
... 36		186621	Boot, Generic Output Stud	3
... 37		180735	Washer, Output Stud	3
... 38		241433	Terminal, Pwr Output Black	1
... 39	FUEL/HM	246181	Gauge, Fuel Elec/Hour Meter	1
... 40		021385	Boot, Toggle Switch Lever	1

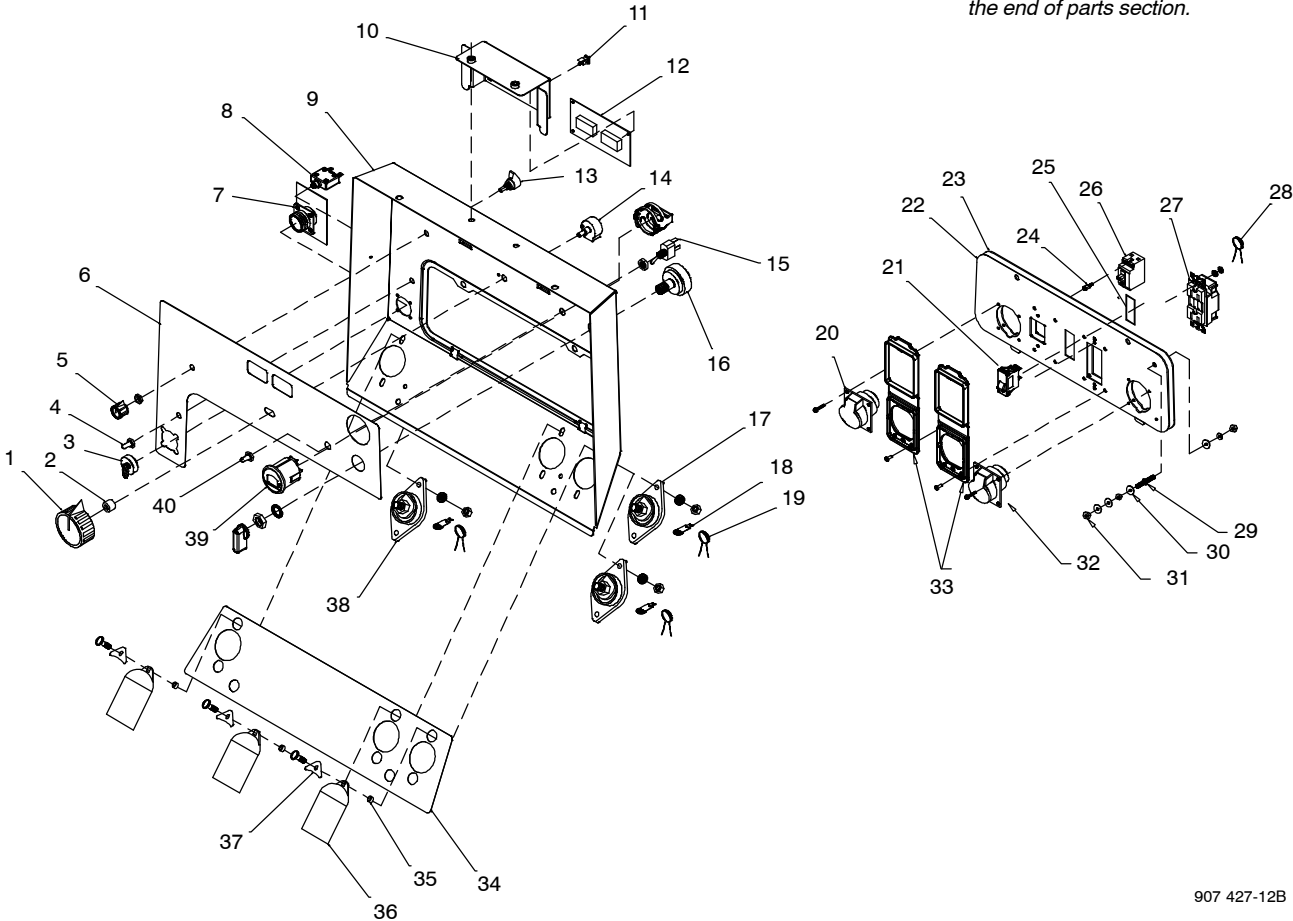
♦ Optional

To maintain the factory original performance of your equipment, use only Manufacturer's Suggested Replacement Parts. Model and serial number required when ordering parts from your local distributor.

Eff w/Serial No. LK510011E And Following

Hardware is common and not available unless listed.

Wiring harnesses are listed at the end of parts section.



907 427-12B

Figure 1-3. Panel, Front w/Components (Eff w/MD230163E)

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 1-3. Panel, Front w/Components (Eff w/MD230163E) (Figure 1-1 Item 90)				
1		218764	Knob, Pointer 1.625 Dia	1
2		072590	Lock, Shaft Pot .375-32 X .250 Dia Shaft Tall	1
3		170391	Conn, Circ Ms Protective Cap Size 20 Nylon	1
4		190323	Boot, Circuit Breaker Clear Hex Nut	1
5		207080	Knob, Pointer 1.125 Dia	1
6		264656	Label, Controls	1
7	PC6	242263	Circuit Card Assy, Connector/Receptacle	1
8	CB8	083432	Supplementary Pro, Man Reset 1p 10a 250vac Frict	1
9		255467	Panel, Front Engine/Weld Control (Prior to ME340102E)	1
9		268979	Panel, Front Engine/Weld Control (Eff w/ME340102E)	1
10		214762	Bracket, Meter Hole Cover	1
10		214543	Enclosure, Circuit Card Assy	1
11		134201	Stand-off Support, Pc Card .312/.375w/Post&lock .43	4
12	PC2	242527	Circuit Card Assy, Display W/Program	1
13	R1	242793	Switch, Rotary 3 Posn 1p 200ma 28vdc W/Resistors	1
14	R2	193118	Pot, Cp Flat 1t 2. W 1k Ohm Linear	1
15	S4	021467	Switch, Tgl Spst 3a 250v Off-none-(On) Spd Term	1

Eff w/Serial No. LK510011E And Following

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 1-3. Panel, Front w/Components (Eff w/MD230163E) (Continued)				
... 16	S1	217680	Switch, Ignition 4 Position W/Out Handle	1
		207073	Lever, Ignition Switch	1
		201244	Washer, Tooth.728idx1.166odx.050t Stl Pld Int.688	1
... 17		241432	Terminal, Pwr Output Red	2
... 18		010381	Connector, Rectifier	3
... 19	C13, 14, 15	128750	Capacitor, Cer Disc .1 Uf 500 Vdc W/Terms	3
... 20	RC11	176355	Rcpt, Str 2p3w 16a 220v Flange Mtg	1
... 21	CB5	201083	Supplementary Protector, Man Reset 2p 20a 250vac	1
... 22		264655	Label, Aux Pwr	1
... 23		264658	Panel, Aux Power	1
... 24		144844	Stand-off, No 6-32 X .875 Lg .250 Hex Al Fem	4
... 25		201553	Clip, Retaining Circuit Breaker	1
... 26	ELCB1	222991	Circuit Breaker, Elcb 16a 220v 0.030a Trip	1
... 27	GFCI1	264614	Rcpt, Str Dx Grd 2p3w 20a 125v *5-20r Gfi	1
... 28	C11	217054	Capacitor, Cer Disc .0047 Uf 3000 Vdc W/Terms	1
... 29	GRD	083030	Stud, Brs .250-20 X 1.750 W/Hex Collar	1
... 30		010915	Washer, Flat .257idx0.640odx.031t Brs	4
... 31		601836	Nut, 250-20 .50hex .19h Brs	3
... 32	RC12	173555	Rcpt, Str 2p3w 16a 130v Flange Mtg	1
... 33		209056	Cover, Receptacle W/Gasket	2
... 34			Label, Nameplate (Order by model and serial no.)	1
... 35		181169	Spacer, Output Stud	3
... 36		186621	Boot, Generic Output Stud	3
... 37		180735	Washer, Output Stud	3
... 38		241433	Terminal, Pwr Output Black	1
... 39	FUEL/HM	246181	Gauge, Fuel Elec/Hour Meter	1
... 40		021385	Boot, Toggle Switch Lever	1
... 41		270453	Label, Warning Read Owner's Manual Wordless (Eff w/ME520019E)	1

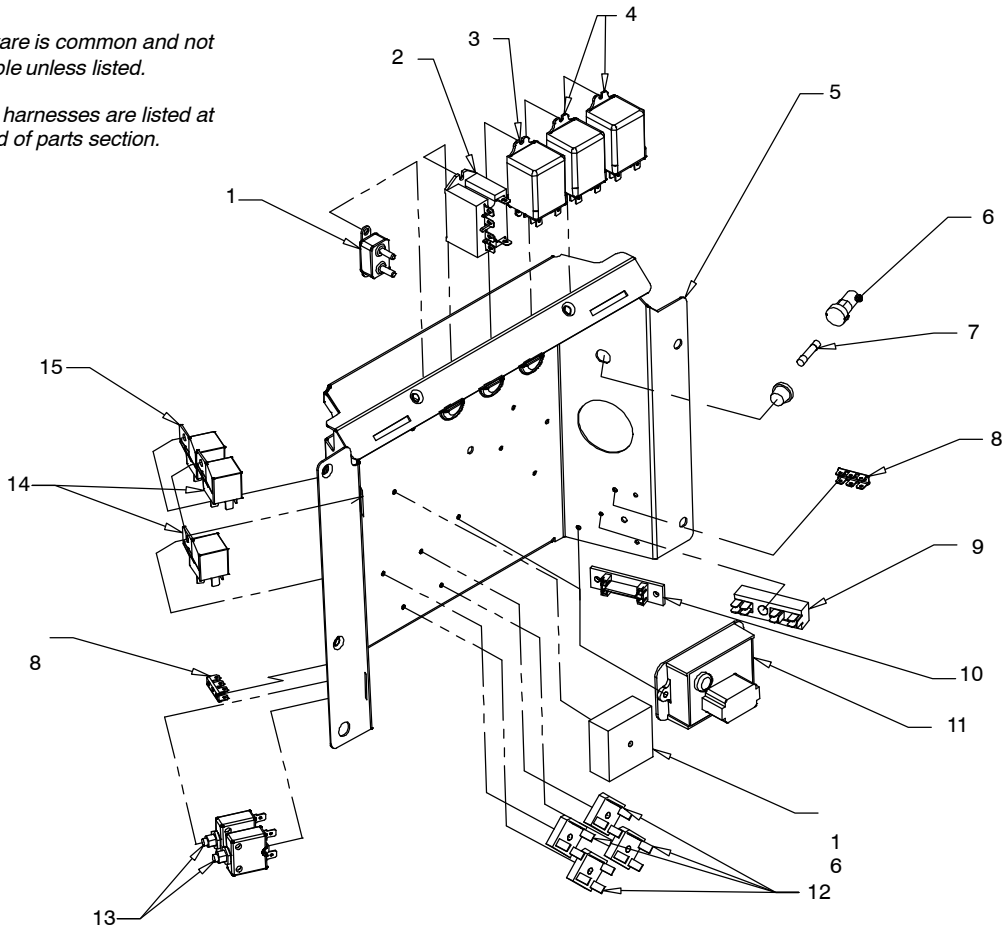
♦ Optional

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Eff w/Serial No. LK510011E And Following

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Wiring harnesses are listed at the end of parts section.



242 269-B

Figure 1-4. Control Panel

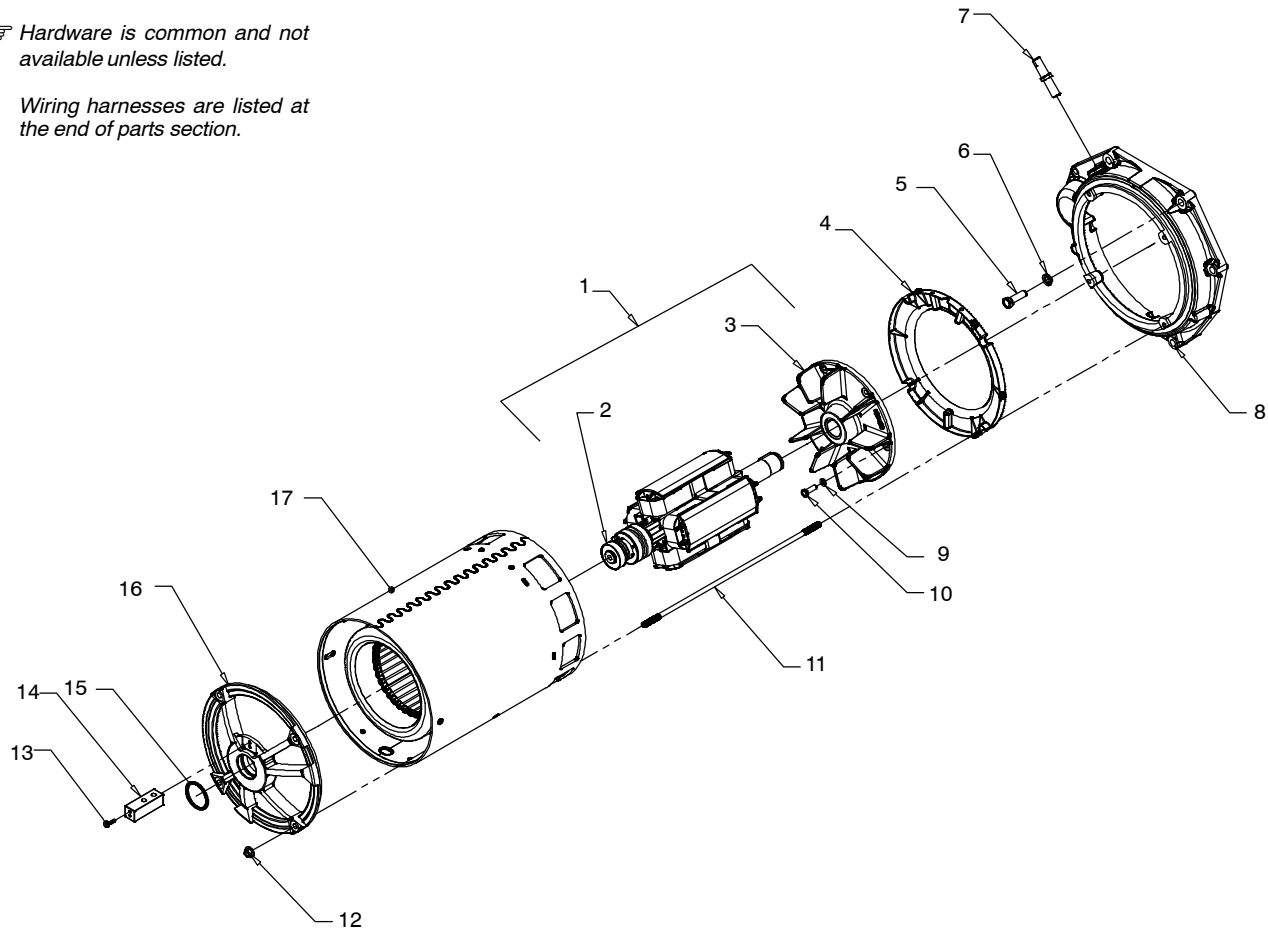
Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 1-4. Control Panel (Figure 1-1 Item 2)				
1	CB1	190374	Circuit Breaker, Auto Reset 12vdc 40 Amp	1
2	CR1	223710	Relay, Encl 12vdc Dpst-no 25a 6pin Flange	1
3	CR8	044588	Relay, Encl 12vdc 3pdt 10a/120vac 11pin Flange Mtg	1
4	CR5, CR9	113247	Relay, Encl 12vdc Dpdt 20a/120vac 8pin Flange Mtg	2
5		285300	Bracket, Mtg Components	1
6		046432	Holder, Fuse Mintr .250 X 1.250 Panel Mtg	1
7	F1	085874	Fuse, Mintr Cer Slo-blo 10. Amp 250 Volt	1
8		129524	Term, Frict 250x032 Uninsul Male .130 Stud Mtg 3pr	2
9	TE3	190210	Block, Term 5-3-3	1
10	D1	189701	Diode/Capacitor Board	1
11		242295	Module, Control Governor (Programed)	1
12	SR1,2,4,5	245446	Rectifier, Integ Bridge 1ph 35. Amp	4
	VR1	245944	Varistor, 1200v 700 Joule W/Terminals (on SR5 AC Terminals)	1
13	CB2, CB3	083432	Supplementary Pro, Man Reset 1p 10a 250vac Frict	2
		190323	Boot, Circuit Breaker Clear Hex Nut	2
14	CR4, CR7	173069	Relay, Encl 12vdc Spdt 30a/20a 5pin Flange Mtg	2
15	CR3	197325	Relay, Encl 12vdc Spst 70a 4pin Flange Mtg	1
	CR2	214876	Relay, Encl 6vdc Spst 35a/14vdc 5 Pin (in Harness) (Prior to MC010167E)	1
	CR2	252053	Relay, Encl 12vdc Spst 35a/14vdc 5 Pin (in Harness) (Eff w/MC010167E)	1
16	TD1	207139	Timer, Delay On Make/Break Open 3-60 Sec 12vdc (Eff w/MB370155E thru MD050030E)	1
16	TD1	260836	Timer, Delay On Make/Break Open 3 Sec 12vdc (Eff w/MD050031E)	1

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Eff w/Serial No. LK510011E And Following

 Hardware is common and not available unless listed.

Wiring harnesses are listed at the end of parts section.



907 427-13

Figure 1-5. Generator

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
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Figure 1-5. Generator (Figure 1-1 Item 63)

...	1	...	ROTOR	...	243820	..	Rotor, Generator 4 Pole (Includes)		1
...	2	...		...	181143	....	Bearing, Ball Rdl Sgl Row .984 X 2.047 X .591	.....	1
...	3	...		...	192600	....	Fan, Generator	.....	1
...	4	...		...	159918	..	Baffle, Fan	.....	1
...	5	...		...	243986	..	Screw, M12-1.25x 40 Hex Hd-pld Blk Grd 5	.....	7
...	6	...		...	602216	..	Washer, Lock .502idx0.879odx.151t Stl Pld Split.500	.....	7
...	7	...		...	242537	..	Pickup, Magnetic	.....	1
...	8	...		...	241075	..	Adapter, Engine Machined Mitsubishi S4I2	.....	1
...	9	...		...	602211	..	Washer, Lock .318idx0.586odx.078t Stl Pld Split.312	.....	6
...	10	...		...	192686	..	Screw, M 8-1.25x 25 Hex Hd-pln 8.8 Pld Din933	.....	6
...	11	...		...	212641	..	Stud, Stl .375-16 1.625x 19.000	.....	4
...	12	...		...	167788	..	Nut, 375-16 .56hex .34h Stl Pld Sem Cone Wshr.88d	.....	4
...	13	...		...	136343	..	Screw, K50x 20 Pan Hd-phl Stl Pld Pt Thread Forming	.....	2
...	14	...		...	244290	..	Brushholder Assy, Generator W/Leads	.....	1
...	15	...		...	183419	..	O-ring, 1.984 Id X .139 Cs 70 Duro Viton	.....	1
...	16	...		...	183336	..	Endbell	.....	1
...	17	..	STATOR	..	239393	..	Stator, Generator 4 Pole (Prior to MA250151E)	.....	1
...	17	..	STATOR	..	247444	..	Stator, Generator 4 Pole (Eff w/MA250151E)	.....	1

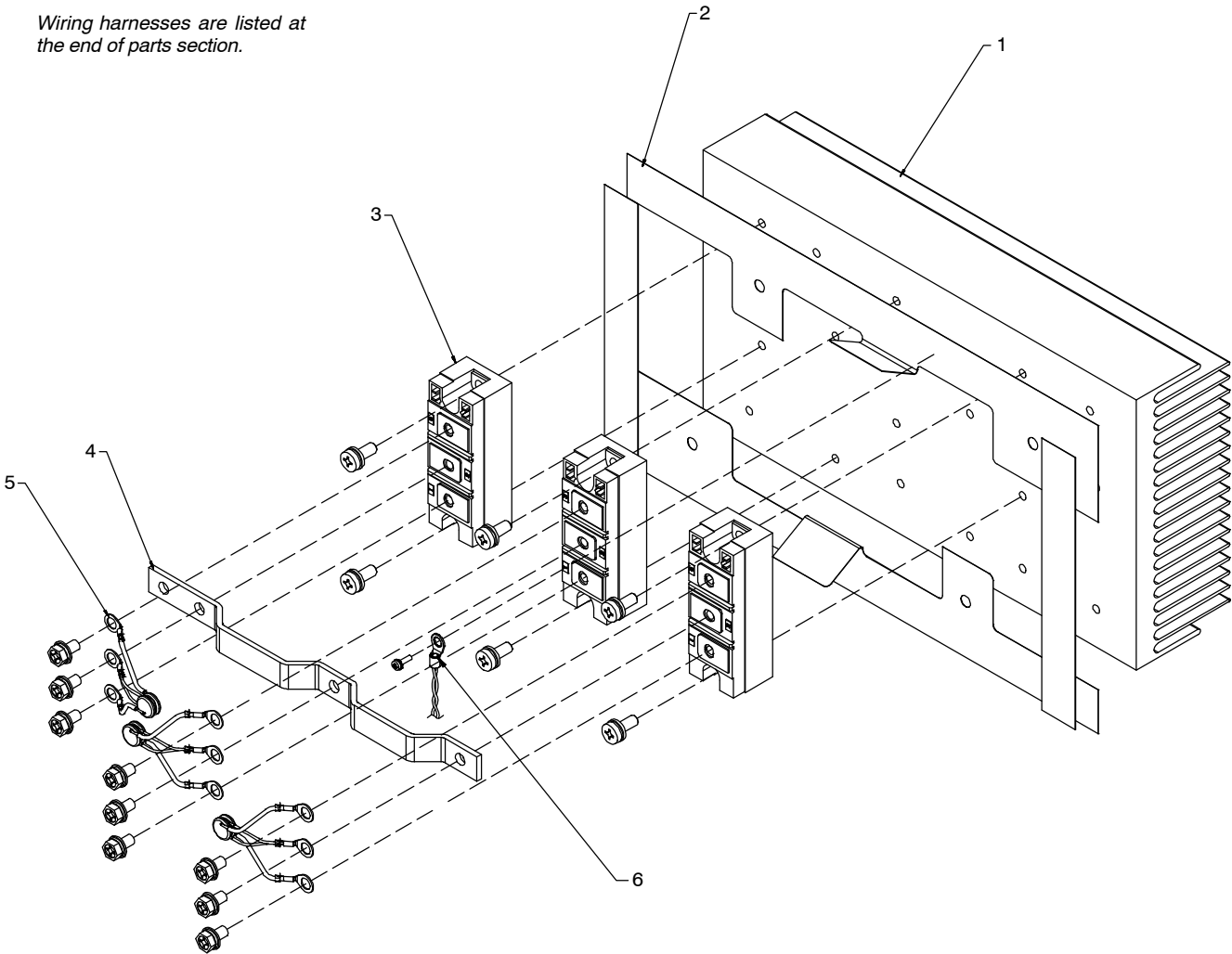
+ When ordering a component originally displaying a precautionary label, the label should also be ordered.

To maintain the factory original performance of your equipment, use only Manufacturer's Suggested Replacement Parts. Model and serial number required when ordering parts from your local distributor.

Eff w/Serial No. LK510011E And Following

☞ Hardware is common and not available unless listed.

Wiring harnesses are listed at the end of parts section.



804 010-A

Figure 1-6. Rectifier Assembly

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
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Figure 1-6. Rectifier Assembly (Figure 1-1 Item 4)

.....		217082 ..	Rectifier, Assembly (Includes)	1
... 1		211984	Heat Sink	1
... 2		212601	Insulator, Rectifier	1
... 3 .. MOD1,2,3 ..		196760	Thyristor, Scr Module 190a 400v Dual	3
... 4		217085	Bus Bar, Rectifier	1
... 5 C1-6		215611	Capacitor Assy	3
... 6 RT1		213930	Thermistor, Ntc 30k Ohm @ 25 Deg C 8.5in Lead	1
.....		181853 ..	Insulator, Screw (For Mounting Rectifier)	4

To maintain the factory original performance of your equipment, use only Manufacturer's Suggested Replacement Parts. Model and serial number required when ordering parts from your local distributor.

☞ Some wiring harness components (switches, relays, circuit breakers) are also referenced elsewhere in this parts list. Purchase components separately or as part of the associated wiring harness.

Eff w/Serial No. LK510011E And Following

 Some wiring harness components (switches, relays, supplementary protectors) are also referenced elsewhere in this parts list. Purchase components separately or as part of the associated wiring harness.

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Wiring Harnesses				
.....		242270 ..	Harness, Engine/Weld Mitsubishi (Eff w/LK510011E thru MD050030E)	1
.....		260875 ..	Harness, Engine/Weld Mitsubishi (Eff w/MD050031E and following)	1
.....		177859 ..	Conn, Body 5 Terminal	1
.....	PLG8	214932 ..	Conn, Rect Univ 039 8p/S 2row Plug Cable Lkg Seal	1
.....	PLG1, 3, 6	214933 ..	Seal, Wire Univ 039	20
.....	PLG2	150316 ..	Conn, Rect Univ 039 6p/S 3row Plug Cable Lkg	1
.....		231708 ..	Conn, Rect Univ 039 10p/S 2row Plug Cable Lkg Seal	1
.....	PLG3, 7	214934 ..	Seal, Plug Univ 039	8
.....	PLG5	113750 ..	Conn, Rect Mini 045 4skt 2row Plug Cable Lkg	1
.....	PLG3	214951 ..	Conn, Rect Univ 039 6p/S 3row Plug Cable Lkg Seal	1
.....	PLG6	193184 ..	Conn, Rect Cinch 30 Pin	1
.....	PLG4	196602 ..	Plug, Cavity 18,30 Position Cinch Connector	12
.....	PLG7	193183 ..	Conn, Rect Cinch 18 Pin	1
.....	PLG4	215340 ..	Conn, Rect Univ 039 2p/S 1row Rcpt Cable/Pnl Lkg	1
.....		217000 ..	Cable, Lem	1
.....		242288 ..	Harness, Governor Control	1
.....		214982 ..	Harness, Rectifier CC (Includes)	1
.....	PLG11	193183	Conn, Rect Cinch 18 Pin	1
.....		207716	Conn, Faston Mini Polarized 2 Skt G1k1	6
.....		207718	Conn, Faston Mini Polarized 2 Skt G2k2	3
.....		239422 ..	Harness, Receptacle Aux Power (Eff w/LK510011E thru MD230162E)	1
.....		264677 ..	Harness, Receptacle Aux Power (Eff w/MD230162E and following)	1
.....		242811 ..	Harness, Lead Extension	1

Notes

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