



TM-4425L

2017-03

Processes



Stick (SMAW) Welding



TIG (GTAW) Welding



MIG (GMAW) Welding



Flux Cored (FCAW) Welding



Air Carbon Arc (CAC-A) Cutting and Gouging

Description

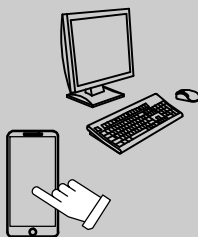
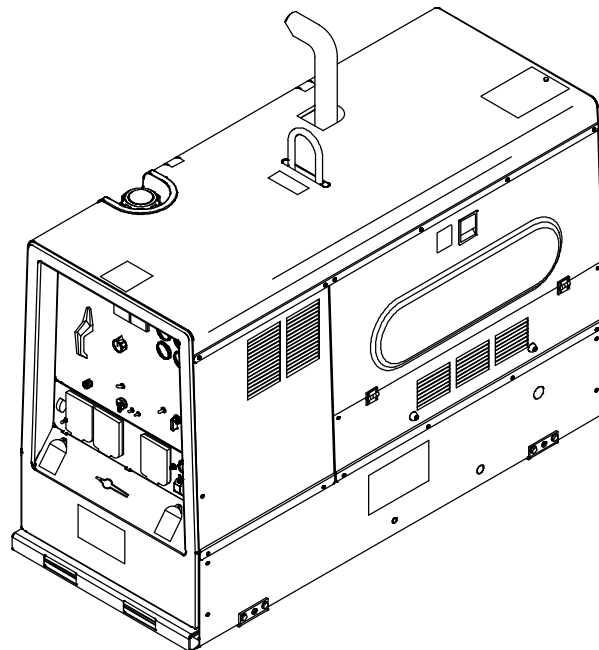


Engine Driven Welder/Generator

Big Blue[®] 400D Big Blue[®] 500 X Deutz

PARTS LIST

Eff W/Serial No. LE028711 Thru MG060004E



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

www.MillerWelds.com

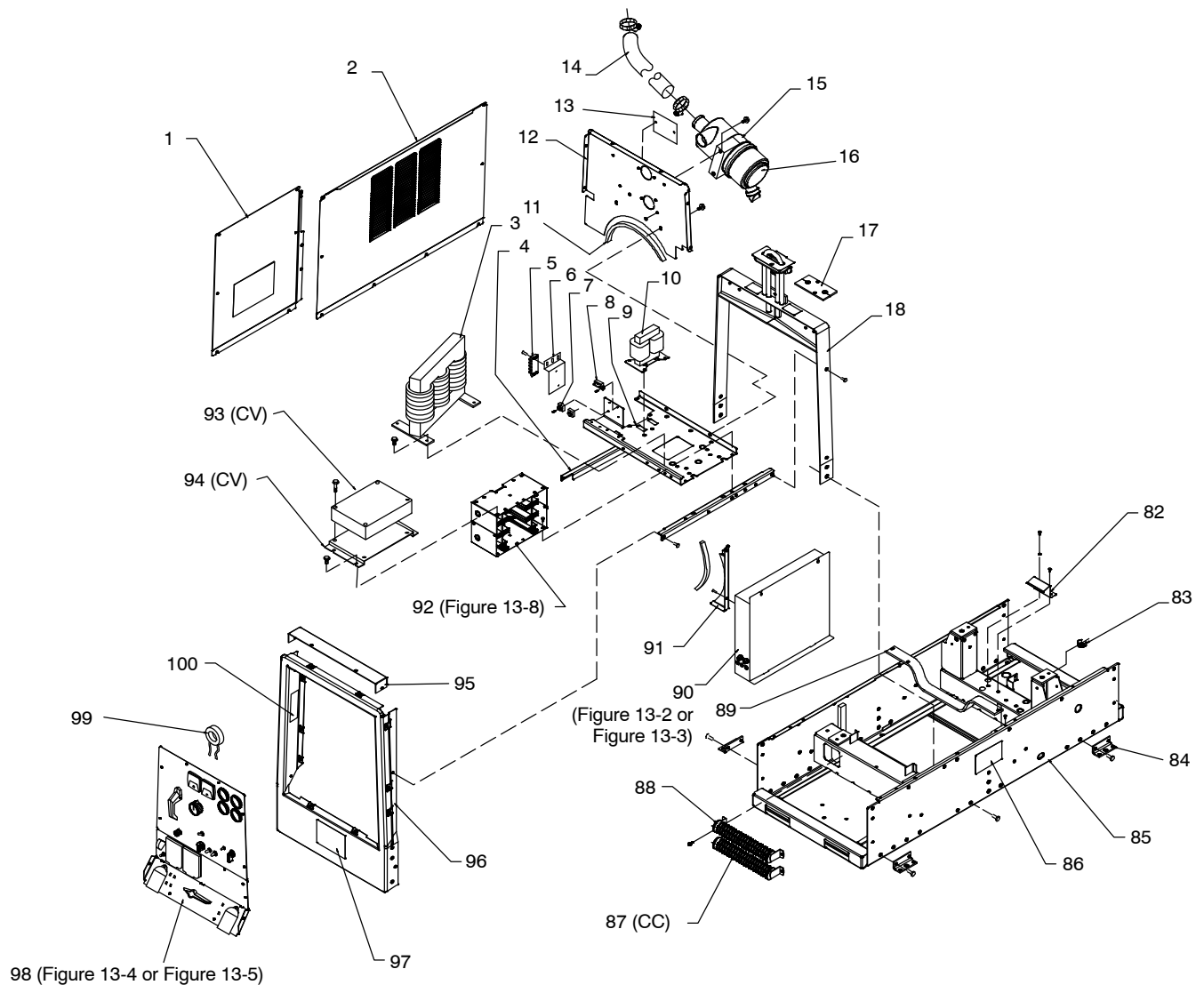
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SECTION 13 – PARTS LIST

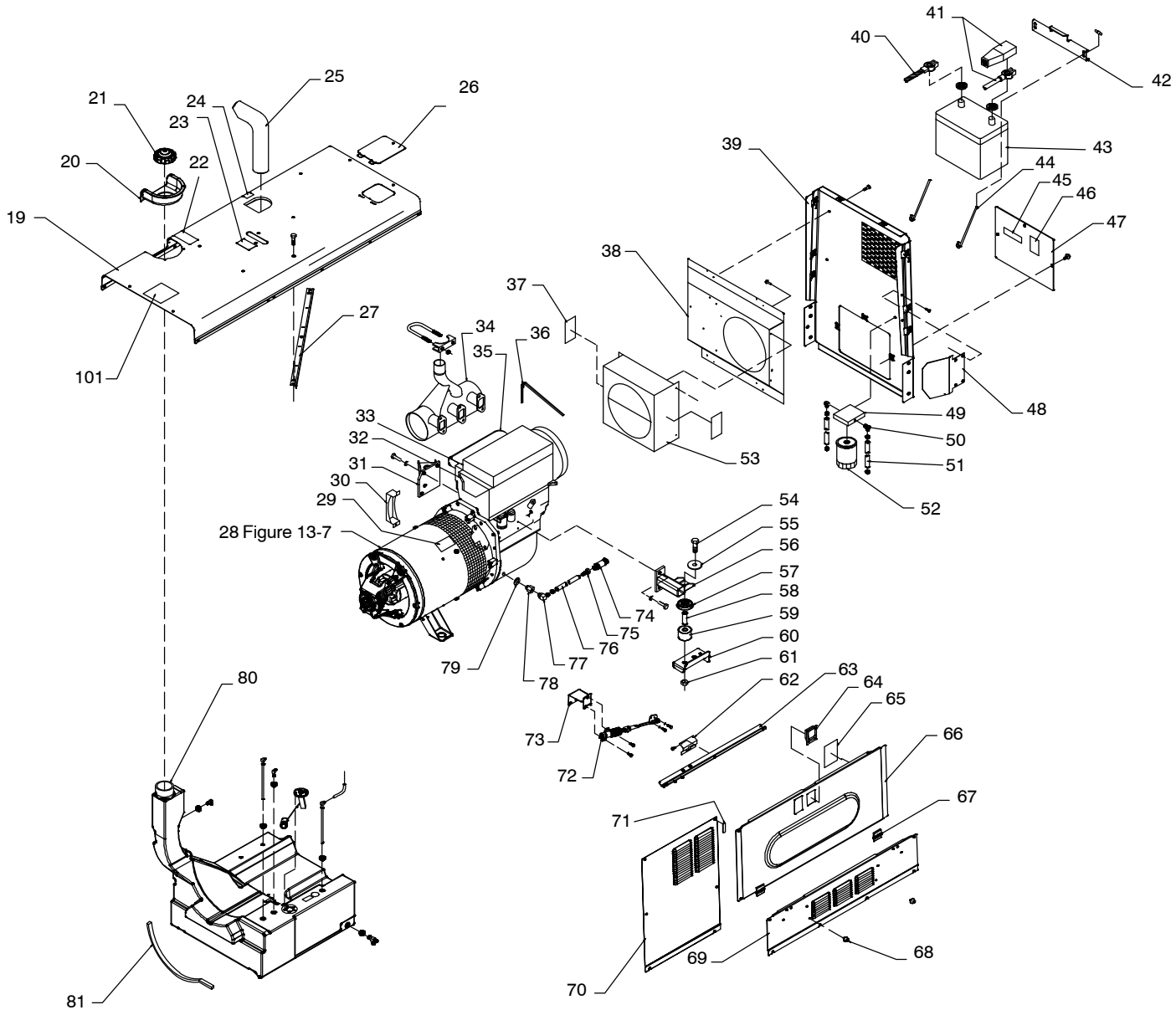
EFF W/SERIAL NO. LE028711 THRU MG060004E

 Hardware is common and not available unless listed.



CC CC Models Only
CV CC/CV Models Only

Figure 13-1. Main Assembly



Eff W/Serial No. LE028711 Thru MG060004E

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 13-1. Main Assembly				
1		189824	Panel, Gen Lh	1
1		◆199294	Panel, Gen Lh Ss	1
2		+189828	Panel, Engine Side (Prior to ME510133E)	1
2		+252811	Panel, Engine Side (Eff w/ME510133E)	1
2		◆+199301	Panel, Engine Side Ss	1
3	Z1	c _c 214972	Reactor, Ac	1
3	Z1	c _v 214964	Reactor, Ac	1
4		206352	Brace, Front To Center Upright	2
5	1T	038621	Block, Term 30A 4 Pole Frict Term Str	1
		038620	Link, Jumper Term Blk 30A	2
6		081499	Bracket, Mtg Strip Terminal	1
7	SR4, SR5	035704	Rectifier, Integ Bridge 40. Amp 800V	2
8	CB4	045061	Circuit Breaker, Auto Reset 24VDC 7 Amp	1
9		201697	Pan, Reactor And Rectifier	1
10	T1	201613	Transformer W/Bracket	1
10	T1	◆205636	Transformer W/Bracket (Environmental Coating)	1
11		263422	Extrusion, Rubber Clamp/Bulb (Order By Ft)	3ft
12		189708	Firewall, Top	1
13		191307	Cover, Plate	1
14		191829	Hose, Air Cleaner	1
15		189763	Bracket, Mtg Air Cleaner	1
16		189764	Air Cleaner, Intake	1
		*192938	Filter, Air Element Primary	1
		*◆192939	Filter, Air Element Safety	1
17		189464	Seal, Weather Lift Eye	1
		173909	Hose, Sae .312 Id X .560 Od X 24.000 (Order By Ft)	2
18		201658	Upright, Center Assembly	1
19		+201934	Cover, Top (Prior to MD440024E)	1
19		+263316	Cover, Top (Eff w/MD440024E)	1
19		◆+202640	Cover, Top Ss	1
20		189052	Grommet, Plastic Neck Filler Fuel	1
21		254678	Cap, Tank Screw-On 3.500 In W/Vent W/Lanyard 8 in.	1
22		192041	Label, Use Diesel Fuel Only (Prior to MF510042E)	1
22		272338	Label, Use Diesel Fuel Only (En/Fr-Sym) (Eff w/MF510042E)	1
23		108487	Label, Warning Falling Equipment (Prior to LF310974)	2
23		222513	Label, Warning Falling Equipment Can Cause Serious (Eff w/LF310974 thru MF510041E)	2
23		272339	Label, Warning Falling Equipment (En/Fr-Sym) (Eff w/MF510042E)	2
24		176230	Label, Warning Hot Exhaust (Prior to LF310974)	1
24		269515	Label, Warning Hot Exhaust Parts Do Not Touch (Eff w/LF310974 thru MF510041E)	1
24		272333	Label, Warning Hot Parts (En/Fr-Sym) (Eff w/MF510042E)	1
25		105734	Pipe, Muffler Extension Elbow 1.875 Od	1
25		201592	Pipe, Exhaust (Export Models)	1
		010875	Clamp, Muffler 2.000 Dia U Pld	1
26		201851	Cover, Radiator Access (Prior to MD440024E)	1
26		234509	Cover, Radiator Access (Eff w/MD440024E)	1
27		191354	Support, Cover	1
27		202633	Support, Cover E-Coat	1
28	Figure 13-7		Generator	1
29		013367	Label, Warning Moving Parts (Prior to LF310974)	2
29		225120	Label, Warning Moving Parts Can Cause Injury (Eff w/LF310974 thru MF510041E)	2
29		272334	Label, Warning Moving Parts (En/Fr-Sym) (Eff w/MF510042E)	2
30		191577	Guard, Starter	1
31		197370	Bracket, Mtg Engine Lh	1
32		190951	Edge Trim, Style TI750-B2 X 1/16 Black W/Clips 1.625 (Prior to MD130040E)	1
33		197639	Baffle, Air	1

Eff W/Serial No. LE028711 Thru MG060004E

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 13-1. Main Assembly (Continued)				
34		200731	Manifold, Exhaust Muffler (Included W/Engine – Export Models)	1
		010875	Clamp, Muffler 2.000 Dia U Pld	1
35		213878	Engine, Deutz Dsl Elec F3I2011 (Includes Manifold/Muffler) (Prior to LJ150081E)	1
35		237004	Engine, Deutz Dsl Elec D2011I03i (includes manifold/muffler) (Eff w/LJ150081E thru MB130096E)	1
35		251366	Engine, Deutz Dsl Elec D2011I03i (includes manifold/muffler) (Eff w/MB130097E thru MD070003E)	1
35		261639	Engine, Deutz Dsl Elec D2011I03i (Flex) (Eff w/MD070003E)	1
		*067265	Filter, Oil (Engine)	1
		*192744	Filter, Fuel Spin-On	1
		*066217	Filter, Fuel Secondary	1
		*195745	Switch, Oil Pressure	1
		*195746	Sender, Coolant	1
		♦207847	Heater, Block Engine 120 Volt 300 Watt	1
		179561	Extrusion, Rubber Clamp/Bulb 2.250lg (Order By Ft)	1
		179562	Extrusion, Rubber Clamp/Bulb 3.000lg (Order By Ft)	1
36		*216959	Belt, Blower	1
37		147923	Label, Warning Moving Parts (Prior to LF310974)	2
37		225120	Label, Warning Moving Parts Can Cause Injury (Eff w/LF310974 thru MF510041E)	2
37		272334	Label, Warning Moving Parts (En/Fr–Sym) (Eff w/MF510042E)	2
38		201714	Box, Air Intake	1
39		201748	Upright, Rear	1
39		♦202638	Upright, Rear Ss	1
40		190206	Cable, Bat Neg 42 In Lg No. 2 Awg W/Clamp And .375rng	1
41		190207	Cable, Bat Pos 45 In Lg No. 1 Awg W/Clamp And .406rng	1
42		261852	Bracket, Battery Holddown (Prior to ME020119E)	1
42		266385	Bracket, Battery Holddown (Eff w/ME020119E)	1
43	BATT		Battery, Stor 12v 650crk 110rsv Gp 24	1
44		201006	Bolt, J Stl .312–18 X 8.500 Pld	2
		208041	Spacer, Stl .323 Id X .625 Od X .141 Thk (Eff w/ME020119E)	2
		264924	Bracket, Battery Locator Adj (Eff w/ME020119E)	1
45		168385	Label, Warning Battery Explosion Can Blind (Prior to MF510042E)	1
45		272341	Label, Warning Battery Explosion (En/Fr–Sym) (Eff w/MF510042E)	1
46		147923	Label, Warning Moving Parts (Prior To LF310974)	2
46		225120	Label, Warning Moving Parts Can Cause Injury (Eff w/LF310974 thru MF510041E)	2
46		272334	Label, Warning Moving Parts (En/Fr–Sym) (Eff w/MF510042E)	2
47		+201183	Cover, Battery Access	1
47		202639	Cover, Battery Access Ss	1
48		+215252	Guard, Belt	1
49		206297	Base, Fuel Filter W/Fittings	1
50		145282	Fitting, Hose Brs Barbed Elbow M 5/16tbg X 1/4npt	2
51		196465	Hose, Sae .312 Id X .560 Od X 23.000	1
		200032	Hose, Sae .312 Id X .560 Od X 38.000	1
52		*192744	Filter, Fuel Spin-On	1
53		+201715	Box, Air Intake	1
54		199849	Screw, 625-11 X 4.00hexhd Pln Gr 5 Pld	4
55		071731	Washer, Flat .656 Id X 2.250 Od X .187t Stl Pld	4
56		197366	Bracket, Mtg Engine Rh	1
57		071890	Retainer, Mount Eng/Gen	4
58		071730	Tubing, Stl .875 Od X 12ga Wall X 2.500	4
59		083476	Mount, Eng/Gen Nprn .875 Id X 2.500 Od X 2.000	4
60		197373	Bracket, Support Base Rh	1
61		135205	Nut, 625-11 .94hex .76h Stl Pld Elastic Stop Nut	4
62		190992	Keeper, Latch Engine Access Door	1
63		190076	Channel, Stiffener Engine Access	1

Eff W/Serial No. LE028711 Thru MG060004E

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 13-1. Main Assembly (Continued)				
63		♦202635	Channel, Stiffener Engine Access E-Coat	1
64		245362	Latch, Paddle Series 20 (Black)	1
65		215233	Label, Diesel Engine Maintenance Deutz (Wordless Label) (Prior to LJ150081E)	1
65		237352	Label, Maintenance Big Blue Deutz Series Ce (Eff w/LJ150081E)	1
66		+200989	Door, Engine Access	1
66		+210736	Door, Engine Access Ss	1
67		189975	Hinge, Door Access 180deg	2
68		208141	Stop, Door (Prior to MC250042E)	2
68		254634	Bumper, Door 1.000 Od X .750 High Nprn 50 Duro (Eff w/MC250042E)	2
69		269531	Panel, Rocker	1
69		199298	Panel, Rocker Ss	1
70		189827	Panel, Gen Rh	1
70		199300	Panel, Gen Rh Ss	1
71		191626	Bumper, Door Engine Access	2
72	TS1	♦174064	Idle Solenoid Assembly	1
73		173929	Bracket, Mtg Solenoid (Prior to LE132786)	1
73		219229	Bracket, Mtg Solenoid (Eff w/LE132786 And Prior To ME390146E)	1
73		269216	Bracket, Mtg Solenoid (Eff w/ME390146E)	1
		199505	Hose Assy, Oil Drain 32.000 Lg (Consisting Of)	1
74		165271	Valve, Oil Drain 3/8-18nptf	1
75		176529	Fitting, Hose Brs Barbed Fem 1/2tbg X 3/8npt	1
76		269052	Hose, Nitrile .500 Id X .765 Od X Roll Blk Brd	2.666ft
77		176528	Fitting, Hose Brs Barbed Elbow Fem 1/2 Tbg X 1/2 Npt	1
78		173336	Fitting, Adapter Oil Drain	1
79			Washer, Oil Drain (Available Through Engine Manufacturer)	1
80		259019	Kit, Field Fuel Tank (Includes)	1
		257007	Tank, Fuel	1
		258232	Fuel Line Assy, W/Clamps 42.000 In	1
		218086	Bracket, Holddown Fuel Tank	1
81		263420	Extrusion, Rubber W/Adhesive 1.000 X 1.000 D (Order By Ft)	6ft
82		196220	Bracket, Hold Down Fuel Tank Rear	1
83		192362	Bracket, Mtg Nyl 1/2 Conduit	1
84		191897	Bracket, Mtg Unit	4
85		+262408	Base	1
85		♦+203382	Base E-Coat	1
86		200864	Label, Warning Do Not Weld On Base (Wordless Label)	2
86		224266	Label, Warning Do Not Weld On Base (Prior to MF510042E)	2
86		272342	Label, Warning Do Not Weld On Base (En/Fr-Sym) (Eff w/MF510042E)	2
87	R2	c _v 189699	Resistor, Ww Tap 375w 10 Ohm W/Mtg Bkt	1
88	R3	189699	Resistor, Ww Tap 375w 10 Ohm W/Mtg Bkt	1
89		191512	Bracket, Hold Down Fuel Tank (Prior to LE028734)	1
89		218086	Bracket, Hold Down Fuel Tank (Eff w/LE028734)	1
90		Figure 13-2, Figure 13-3	Control Box Assembly	1
91		189731	Firewall, Lower	1
92		Figure 13-8	Main Rectifier Assembly	1
93	PC1	c _v 189143	Module, Field Current Regulator	1
94		c _v 193453	Bracket, Mtg Box Fcr	1
95		191448	Top, Cover Front Upright	1
95		♦199305	Top, Cover Front Upright Ss	1
96		+201750	Upright, Front	1
96		♦+202637	Upright, Front Ss	1
97		134792	Label, Warning General Precautionary (Prior to LH170025E)	1
97		233953	Label, Warning General Precautionary (Eff w/LH170025E thru MF510041E)	1
97		272343	Label, Warning General Precautionary (Eff w/MF510042E)	1
98		Figure 13-4, Figure 13-5	Panel, Front W/Components	1
99		202130	Xfmr, Current Sensing	1
100		212944	Label, Cc Stick Overlap Weld Ranges	1

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
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Figure 13-1. Main Assembly (Continued)

.. 101	233088 ..	Label, Danger Using A Generator Indoors Can Kill You In Minutes (Unit) (Eff w/LH170025E thru MF510041E)	1
.. 101	272340 ..	Label, Danger Using Generator Indoor (En/Fr/Sp-Sym) (Eff w/MF510042E)	1
.....	190058 ..	Nut, .250-20 U-Nut Multi-Thread	19
.....	049525 ..	Nut, 312-18 U-Nut Multi-Thread	32
.....	237013 ..	Label, Hour/Fuel Meter Usage (Prior to LJ350167E)	1
.....	238650 ..	Label, Hour/Fuel Meter Usage (Eff w/LJ350167E)	1

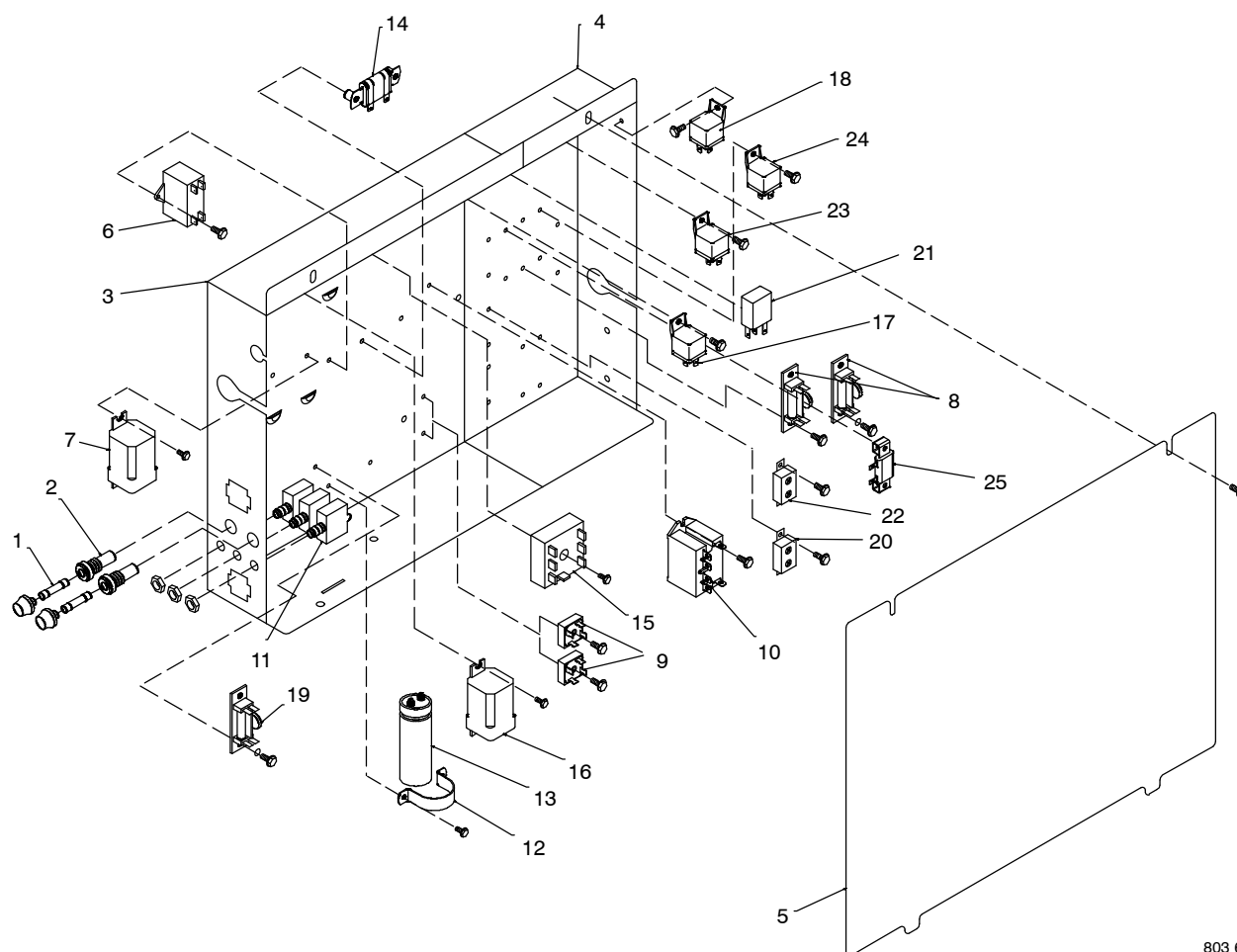
Prior to LF310974:

.....	192505 ..	Kit, Label (Includes Safety & Informational Labels)	1
.....	201062 ..	Kit, Label (Includes Safety & Informational Labels) (Export Models)	1

Eff w/LF310974 thru MF510041E:

.....	215217 ..	Kit, Label (Includes Safety & Informational Labels) (Cc Models)	1
.....	215240 ..	Kit, Label (Includes Safety & Informational Labels) (Cc/Cv Models)	1
.....	216987 ..	Kit, Label (Includes Safety & Informational Labels) (Cc Export Models) .	1
.....	216986 ..	Kit, Label (Includes Safety & Informational Labels) (Cc/Cv Export Models) 1	

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

* Recommended Spare Parts. **C_C** CC models only. **C_V** CC/CV models only. ♦ 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.**

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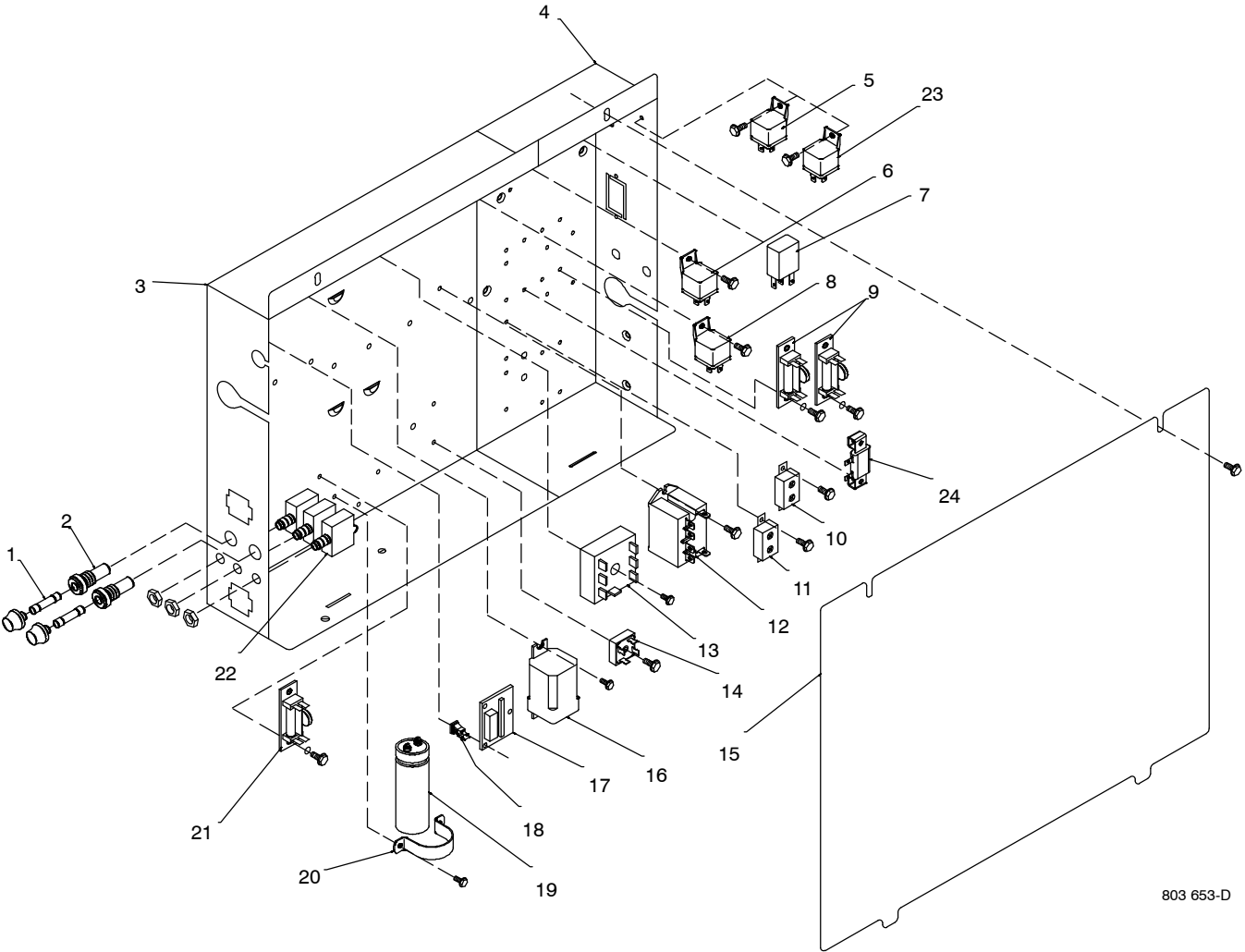
Figure 13-2. Control Box Assembly – CC Models

Eff W/Serial No. LE028711 Thru MG060004E

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 13-2. Control Box Assembly – CC Models (Figure 13-1 Item 90)				
... 1 ...	F1, F2 ..	*085874 ..	Fuse, Mintr Cer Slo-Blo 10A 250V	2
... 2		046432 ..	Holder, Fuse Mintr .250 X 1.250	2
... 3		201077 ..	Control Box, Lh	1
... 4		201078 ..	Control Box, Rh	1
... 5		201079 ..	Cover, Control Box	1
... 6	C12	191944 ..	Capacitor, Polyp Met Film 10. uF 250 Vac 10%	1
... 7	CR7	188636 ..	Relay, Ocv Control	1
... 8 ...	D8/C8 ...	189701 ..	Diode/Capacitor Board	1
... 9 ..	SR1, SR2 ..	035704 ..	Rectifier, Integ 40A 800V	2
... 10	CR5	199999 ..	Relay, Encl 12VDC Dpst–No 30A 6pin Flange (Prior to LF310974)	1
... 10	CR5	223710 ..	Relay, Encl 12VDC Dpst–No 25A 6pin Flange (Eff w/LF310974)	1
... 11	CB11, 12, 13	139266 ..	Supplementary Protector, Man Reset 1p 15A 250VAC	3
... 12		177136 ..	Clamp, Capacitor 1.375dia	1
... 13	C9	087110 ..	Capacitor, Elctlt 240uF 200VDC	1
... 14	R6	141424 ..	Resistor, Ww Fxd 30 W 25 Ohm Faston Te	1
... 15	PC7 ..	♦195706 ..	Module, Pull To Idle, Two Output, 7 Pin	1
... 16	CR4 ...	♦113247 ..	Relay, Encl 12VDC Dpdt 20A/120VAC 8pin Flange Mtg	1
... 17	CR6 ..	♦090104 ..	Relay, Encl 12VDC Spst 30A/15VDC 5pin Flange Mtg	1
... 18	CR3 ..	♦090104 ..	Relay, Encl 12VDC Spst 30A/15VDC Spin Flange Mtg	1
... 19 ...	D1/C1 ...	189701 ..	Diode/Capacitor Board	1
... 20	CB10	190374 ..	Circuit Breaker, Auto Reset 12VDC 40A	1
... 21	CR1	214876 ..	Relay, Encl 6vds Spst 35A/14VDC 5 Pin (Prior to MB460063E)	1
... 21	CR1	252053 ..	Relay, Encl 12vds Spst 35A/14VDC 5 Pin (Eff w/MB460063E)	1
... 22	CB14 ..	♦205927 ..	Circuit Breaker, Auto Reset 12VDC 12 Amp	1
... 23	CR8 ..	♦197325 ..	Relay, Encl 12VDC Spst 70A 4pin Flange Mtg	1
... ..	TD1	214928 ..	Timer, Delay On Make/Break Open 30 Sec 12VDC (Prior to LJ110096E)	1
... 24	CR9	090104 ..	Relay, Encl 12VDC Spst 30A/15VDC 5pin Flange Mtg (export models) (Eff w/LH023056 thru MA340014E)	1
... 25	R7	235250 ..	Resistor, Hsc 30w 3 Ohm (Export Models) (Eff w/LH023056 thru MA340014E)	1

♦Optional *Recommended Spare Parts.

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.



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Figure 13-3. Control Box Assembly – CC/CV Models

Eff W/Serial No. LE028711 Thru MG060004E

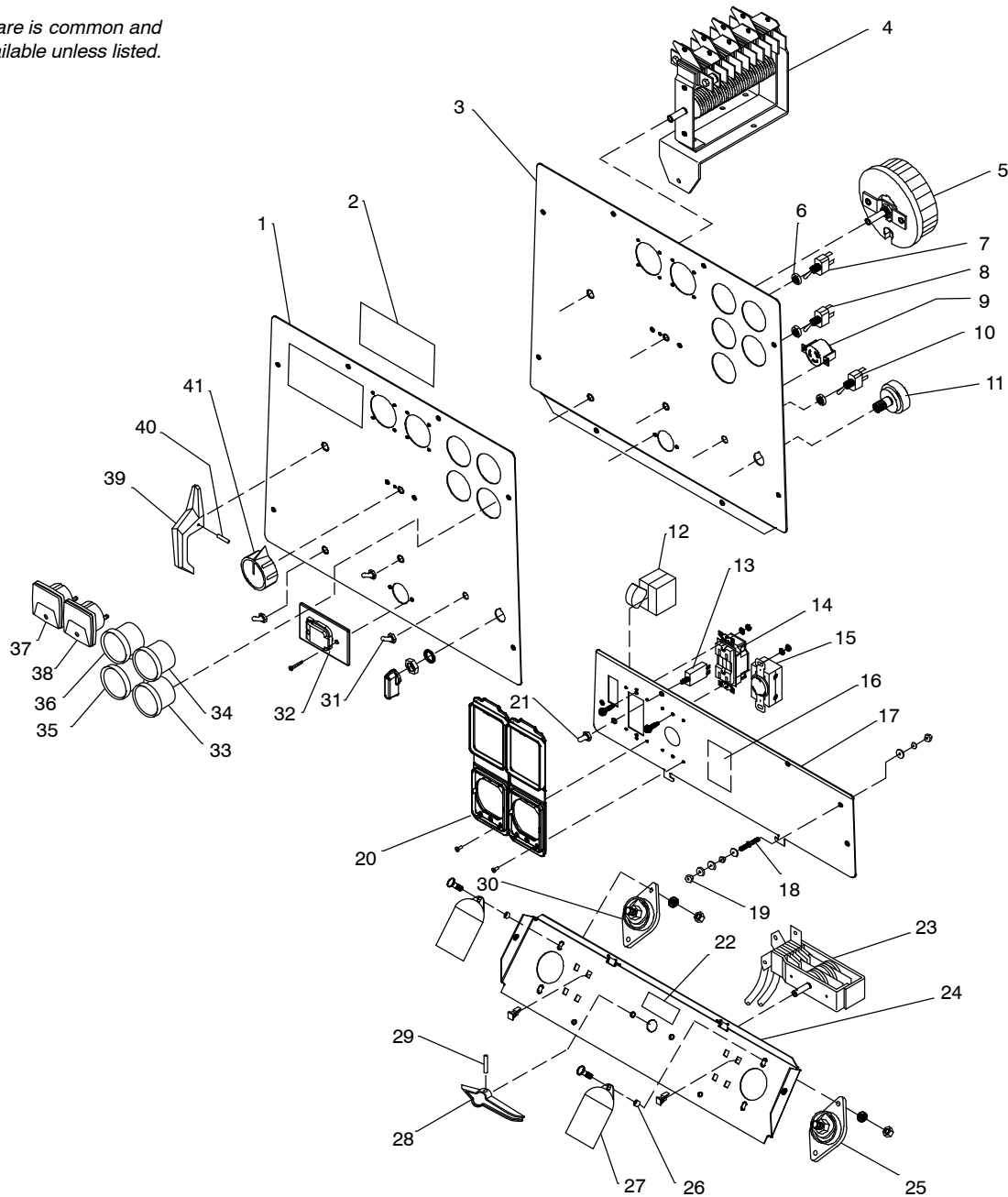
Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 13-3. Control Box Assembly – CC/CV Models (Figure 13-1 Item 90)				
... 1 ...	F1, F2 ..	*085874 ..	Fuse, Mintr Cer Slo-Blo 10A 250V	2
... 2		046432 ..	Holder, Fuse Mintr .250 X 1.250	2
... 3		201077 ..	Control Box, Lh	1
... 4		201078 ..	Control Box, Rh	1
... 5	CR3 ..	♦090104 ..	Relay, Encl 12VDC Spst 30A/15VDC 5pin Flange Mtg	1
... 6	CR8 ..	♦197325 ..	Relay, Encl 12VDC Spst 70A 4pin Flange Mtg	1
... 7	CR1	214876 ..	Relay, Encl 6vds Spst 35A/14VDC 5 Pin (Prior to MB460063E)	1
... 7	CR1	252053 ..	Relay, Encl 12vds Spst 35A/14VDC 5 Pin (Eff w/MB460063E)	1
... 8	CR6 ..	♦090104 ..	Relay, Encl 12VDC Spst 30A/15VDC 5pin Flange Mtg	1
... 9 ...	D8/C8 ...	189701 ..	Diode/Capacitor Board	1
... 10	CB14 ..	♦205927 ..	Circuit Breaker, Auto Reset 12VDC 12 Amp	1
... 11	CB10	190374 ..	Circuit Breaker, Auto Reset 12VDC 40A	1
... 12	CR5	199999 ..	Relay, Encl 12VDC Dpst–No 30A 6pin Flange (Prior to LF310974)	1
... 12	CR5	223710 ..	Relay, Encl 12VDC Dpst–No 25A 6pin Flange (Eff w/LF310974)	1
... 13	PC7 ..	♦195706 ..	Module, Pull To Idle, Two Output, 7 Pin	1
... 14	SR1	035704 ..	Rectifier, Integ 40A 800V	1
... 15		201079 ..	Cover, Control Box	1
... 16	CR4 ..	♦113247 ..	Relay, Encl 12VDC Dpdt 20A/120VAC 8pin Flange Mtg	1
... 17	PC9	192224 ..	Circuit Card Assy, Display	1
... 18		134201 ..	Stand-Off, Support Pc Card	3
... ..	TD1	214928 ..	Timer, Delay On Make/Break Open 30 Sec 12VDC (Prior to LJ110096E)	1
... 19	C9	087110 ..	Capacitor, Elctlt 240uF 200VDC	1
... 20		177136 ..	Clamp, Capacitor 1.375dia	1
... 21 ...	D1/C1 ...	189701 ..	Diode/Capacitor Board	1
... 22	CB11, 12, 13	139266 ..	Supplementary Protector, Man Reset 1p 15A 250VAC	3
... 23	CR9	090104 ..	Relay, Encl 12VDC Spst 30A/15VDC 5pin Flange Mtg (Export Models) (Eff w/LH023056 thru MA340014E)	1
... 24	R7	235250 ..	Resistor, Hsc 30w 3 Ohm (Export Models) (Eff w/LH023056 thru MA340014E)	1

♦ Optional

*Recommended Spare Parts.

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.

☞ Hardware is common and
not available unless listed.



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Figure 13-4. Panel, Front w/Components – CC Models

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 13-4. Panel, Front w/Components – CC Models (Figure 13-1 Item 98)				
...	1	215070	Plate Screened, Ident Control Rating; (When ordering this item, the nameplate should also be ordered) (Prior to LJ110096E)	1
...	1	236971	Plate Screened, Ident Control Rating; (When ordering this item, the nameplate should also be ordered) (Eff w/LJ110096E thru LJ350166E)	1
...	1	240162	Plate Screened, Ident Control Rating; (When ordering this item, the nameplate should also be ordered) (Eff w/LJ350167E)	1
...	2		Nameplate, Screened (order by model and serial number)	1
...	3	215014	Panel, Engine/Weld Control (Prior to LJ110096E)	1
...	3	236608	Panel, Engine/Weld Control (Eff w/LJ110096E thru LJ350166E)	1
...	3	238616	Panel, Engine/Weld Control (Eff w/LJ350167E)	1
...	3	◆220544	Panel, Engine/Weld Control Ss	1

Eff W/Serial No. LE028711 Thru MG060004E

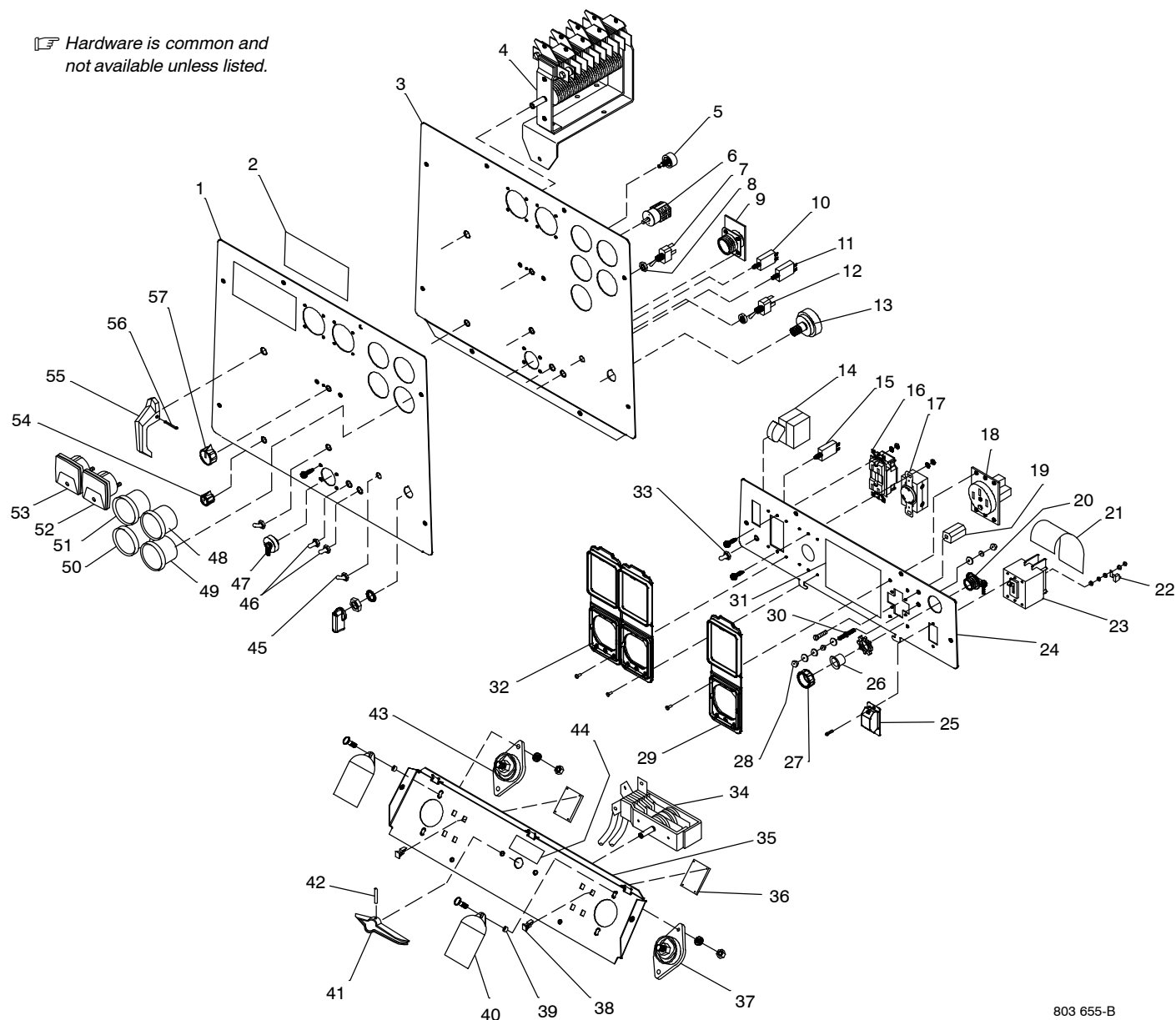
Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 13-4. Panel, Front w/Components – CC Models (Continued)				
4	S3	208278	Switch, Range/Changeover	1
		192558	Harness, Range (Consisting Of)	1
	RC6	148389	Conn, Rect Univ 084 4p/S 1 Row Rcpt	1
5	R1	188635	Rheostat, Ww 300w 34 Ohm	1
6		202209	Spacer, Nylon	3
7	S6	011622	Switch, Tgl Dpdt 15A 125VAC	1
8	S5	011609	Switch, Tgl Spdt 15A 125VAC On-None-On Spd Term Chr	1
9	RC13	032897	Receptacle, Twlk Grd 2p3w 15A 125V	1
10	S2	021467	Switch, Tgl Spst 3a 250V Off-None-(On) Spd Term	1
11	S1	212436	Switch, Ignition 4posn W/Handle (Prior to LJ350167E)	1
11	S1	217680	Switch, Ignition 4posn W/O Handle (Eff w/LJ350167E)	1
		207073	Lever, Ignition Switch (Eff w/LJ350167E)	1
		201244	Washer, Tooth.728idx1.166odx.050t Stl Pld Int.688 (Eff w/LJ350167E)	1
	Figure 13-6		Auxiliary Power Group, Export	
		215365	Auxiliary Power Group, Domestic (Includes)	
12	CB1	201083	Supplementary Protector, Man Reset 2p 20 A, 250VAC	1
		201553	Clip, Circuit Breaker Retaining	1
13	CB2	093996	Supplementary Protector, Man Reset 1p 20A 250VAC	1
14	GFCI1	246865	Rcpt, Str Dx Grd 2p3w 20A 125v *5-20r Gfi	1
15	RC1	147632	Receptacle, Tw Lk Grd 2p3w 30A 250V L6-30r	1
16		190861	Label, Warning Electric Shock And Moving Parts Etc	1
17		+215347	Panel, Gen Pwr	1
17		♦+215045	Panel, Gen Pwr Ss	1
18		083030	Stud, Brs .250-20 X 1.750 W/Hex Collar	1
19		601836	Nut, 250-20 .50hex .19h Brs	3
20		209056	Cover, Receptacle W/Gasket	2
21		206795	Boot, Circuit Breaker Clear Hex Nut	1
22		♦196073	Label, Do Not Switch While Welding	1
23	S12	♦195825	Switch, Polarity	1
23	S12	♦220491	Switch, Polarity/Ac	1
24		201125	Panel, Mtg Terminal Pwr Output	1
24		♦199303	Panel, Mtg Terminal Pwr Output Ss	1
25		241433	Terminal, Pwr Output Black	1
		180735	Washer, Output Stud	2
26		181169	Spacer, Output Stud	2
27		186621	Boot, Generic Output Stud	2
28		♦059773	Handle, Switch	1
29		♦010647	Pin, Spring Cs .156 X 1.250	1
30		241432	Terminal, Pwr Output Red	1
31		021385	Boot, Toggle Switch Lever	1
32		201045	Cover, Receptacle Twistlock	1
33		♦193228	Meter, Volt Dc 8- 18 Scale 2.250	1
34	FUEL	192265	Gauge, Fuel Elec Switch W/O Sensor (Prior to LJ110096E)	1
34	FUEL/HM	232113	Gauge, Fuel Elec/Hour Meter (Eff w/LJ110096E)	1
	HM	210424	Meter, Hour 12-24VDC 2.25dia (Prior to LJ110096E)	1
35		217084	Gauge, Coolant Temp 0- 300 Deg F	1
		195746	Sender, Coolant Temp & 130c Switch	1
36		217083	Gauge, Pressure Oil 0-100 Psi	1
		195745	Switch, Pressure Oil 1.5 Bar Nc Cont	1
37		♦164874	Volt Meter, W/Leads	1
38		♦164873	Ammeter, W/Leads	1
39		189161	Handle, Switch Range	1
40		010647	Pin, Spring Cs .156 X 1.250	1
41		019602	Knob, Pointer	1
		024103	Blank, Snap-In Nyl .750 Mtg Hole Black	1

♦ Optional

+ 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.

 Hardware is common and not available unless listed.



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Figure 13-5. Panel, Front w/Components – CC/CV Models

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 13-5. Panel, Front w/Components – CC/CV Models (Figure 13-1 Item 98)				
...	1	215158	.. Plate Screened, Ident Control; (When ordering this item, the nameplate should also be ordered) (Prior to LJ110096E)	1
...	1	236970	.. Plate Screened, Ident Control; (When ordering this item, the nameplate should also be ordered) (Eff w/LJ110096E thru LJ350166E)	1
...	1	240163	.. Plate Screened, Ident Control; (When ordering this item, the nameplate should also be ordered) (Eff w/LJ350167E)	1
...	2		Nameplate, Screened (order by model and serial number)	1
...	3	215014	.. Panel, Engine/Weld Control (Prior to LJ110096E)	1
...	3	236608	.. Panel, Engine/Weld Control (Eff w/LJ110096E thru LJ350166E)	1
...	3	238616	.. Panel, Engine/Weld Control (Eff w/LJ350167E)	1
...	3	♦220544	.. Panel, Engine/Weld Control Ss	1
...	4	S3	208278 .. Switch, Range/Changeover	1
...	5	R1	193118 .. Pot, Cp Flat 1t 2w 1k Ohm Linear	1
...	6	S6	193234 .. Switch, Rotary 6 Position Gold Contacts	1

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Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 13-5. Panel, Front w/Components – CC/CV Models (Continued)				
.....		196603	Seal, Switch 6 Position Rotary .250 Shaft	1
... 7	S5	011609	Switch, Tgl Spdt 15A 125VAC On-None-On Spd Term Chr	1
... 8		202209	Spacer, Nylon	2
... 9	PC6	242944	Circuit Card Assy, Connector/Receptacle	1
... 10	CB5	139266	Supplementary Protector, Man Reset 1p 15A 250VAC	1
... 11	CB6	083432	Supplementary Protector, Man Reset 1p 10A 250VAC Frict	1
... 12	S2	021467	Switch, Tgl Spst 3a 250V Off-None-(On) Spd Term	1
... 13	S1	212436	Switch, Ignition 4 Position W/Handle (Prior to LJ350167E)	1
... 13	S1	217680	Switch, Ignition 4posn W/O Handle (Eff w/LJ350167E)	1
.....		207073	Lever, Ignition Switch (Eff w/LJ350167E)	1
.....		201244	Washer, Tooth.728idx1.166odx.050t Stl Pld Int.688 (Eff w/LJ350167E) .	1
.....		Figure 13-6	Auxiliary Power Group, Export	
.....		215437	Auxiliary Power Group, Domestic (Includes)	
... 14	CB1	201083	Supplementary Protector, Man Reset 2p 20 A, 250VAC	1
.....		201553	Clip, Circuit Breaker Retaining	1
... 15	CB2	093996	Supplementary Protector, Man Reset 1p 20A 250VAC	1
... 16	GFC11	246865	Rcpt, Str Dx Grd 2p3w 20A 125v *5-20r Gfi	1
... 17	RC1	147632	Receptacle, Tw Lk Grd 2p3w 30A 250V L6-30r	1
... 18	RC5	◆182954	Rcpt, Str 3p4w 50A 125/250V	1
... 19		◆025248	Stand-Off, Insul .250-20 X 1.2	1
... 20		◆604102	Connector, Clamp Cable 1.000	1
... 21		◆197527	Guard, Circuit Breaker	1
... 22		◆197363	Terminal, Ring Tng Screw Clamp	3
... 23	CB7	◆214926	Supplementary Protector, Man Reset 3p 50A 250VAC	1
... 24		+215347	Panel, Generator Power	1
... 24		+◆215363	Panel, Generator Power (Full Kva Option)	1
... 25		◆214927	Boot, Circuit Breaker 3 Pole	1
... 26		◆197508	Plug, Protective	1
... 27		◆077440	Bushing, Conduit 1 In	1
... 28		601836	Nut, 250-20 .50hex .19h Brs	3
... 29		◆209056	Cover, Receptacle W/Gasket	1
... 30		083030	Stud, Brs .250-20 X 1.750 W/Hex Collar	1
.....	CT2	◆197433	Transformer, Current Sensing	1
... 31		190861	Label, Warning Electric Shock And Moving Parts	1
... 31		◆197399	Label, Warning 3 Ph Generator Power	1
... 32		209056	Cover, Receptacle W/Gasket	2
... 33		206795	Boot, Circuit Breaker Clear Hex Nut	1
... 34	S12	◆195825	Switch, Polarity	1
.....	S12	◆220491	Switch, Polarity/Ac	1
... 35		201125	Panel, Mtg Terminal Pwr Output	1
... 36	PC4, PC5	242935	Circuit Card Assembly, Filter Hf	2
... 37		241433	Terminal, Pwr Output Black	1
.....		180735	Washer, Output Stud	2
... 38		134201	Stand-Off, Support	12
... 39		181169	Spacer, Output Stud	2
... 40		186621	Boot, Generic Output Stud	2
... 41		◆059773	Handle, Switch	1
... 42		◆010647	Pin, Spring Cs .156 X 1.250	1
... 43		241432	Terminal, Pwr Output Red	1
... 44		◆196073	Label, Do Not Switch While Welding	1
... 45		021385	Boot, Toggle Switch Lever	1
... 46		190323	Boot, Circuit Breaker Clear Hex Nut	2
... 47		170391	Conn, Circ Ms Protective Cap Size 20	1
... 48	HM	210424	Meter, Hour 12-24VDC 2.25dia (Prior to LJ110096E)	1
... 48	FUEL/HM	232113	Gauge, Fuel Elec/Hour Meter (Eff w/LJ110096E)	1
.....	FUEL	192265	Gauge, Fuel Elec Switch W/O Sensor (Prior to LJ110096E)	1
... 49		◆193228	Meter, Volt Dc 8- 18 Scale 2.250	1

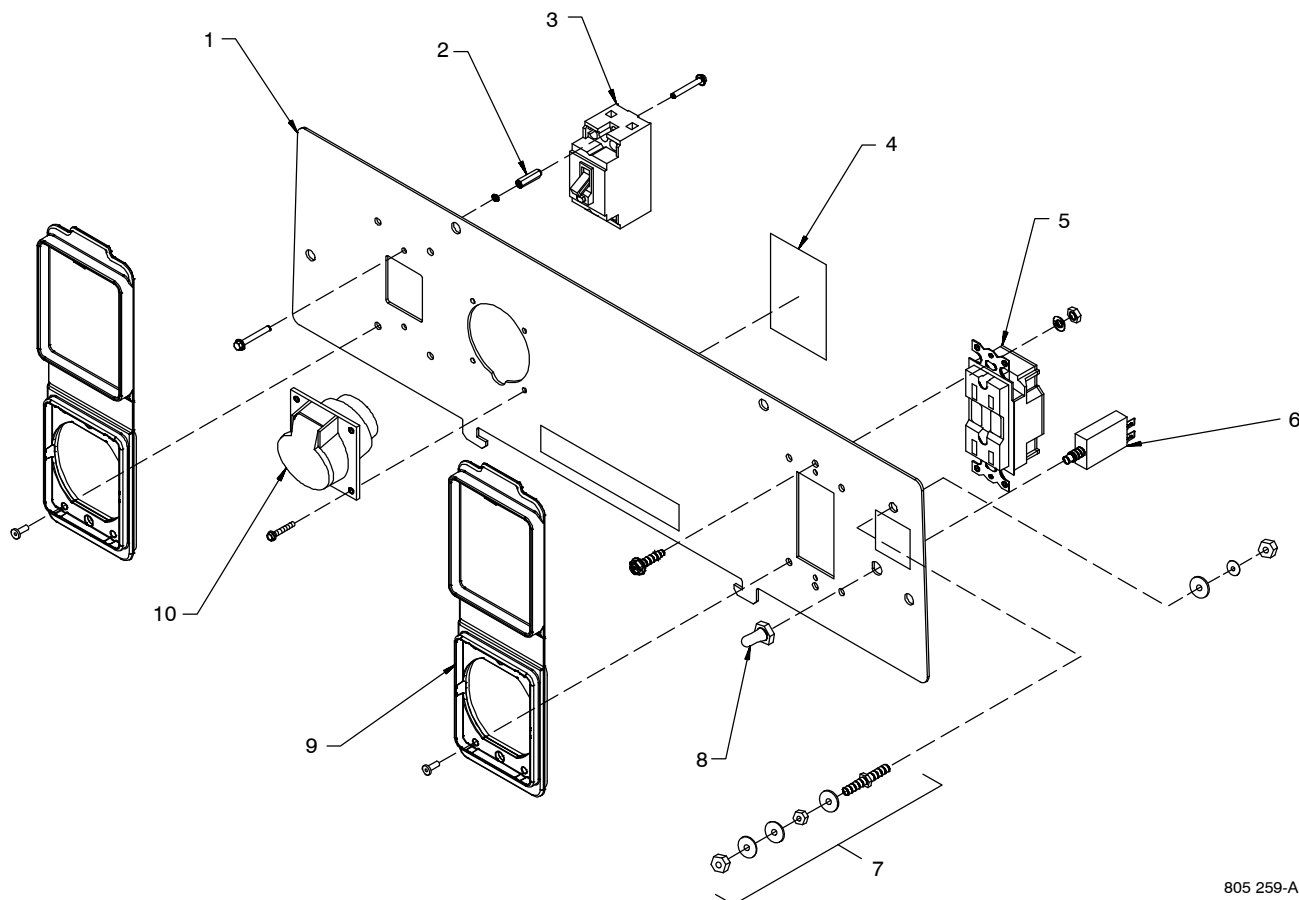
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Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 13-5. Panel, Front w/Components – CC/CV Models (Continued)				
... 50		217084	.. Gauge, Coolant Temp 0– 300 Deg F Electric Switch	1
.....		195746	.. Sender, Coolant Temp & 130c Switch	1
... 51		217083	.. Gauge, Pressure Oil 0–100 Psi Electric Switch	1
.....		195745	.. Switch, Pressure Oil 1.5 Bar Nc Cont	1
... 52	◆	164873	.. Ammeter, W/Leads	1
... 53	◆	164874	.. Volt Meter, W/Leads	1
... 54		207080	.. Knob, Pointer .875 Dia X .250 Id W/Set Screws Plstc	1
.....		230337	.. Switch Handle W/Pin (Consisting Of)	
... 55		189161	 Handle, Switch Range	1
... 56		010647	 Pin, Spring Cs .156 X 1.250	1
... 57		097926	.. Knob, Pointer 2.375 Dia X .250 Id	1
.....		024103	.. Blank, Snap-In Nyl .750 Mtg Hole Blk	1
.....		120304	.. Blank, Snap-In Nyl .250 Mtg Hole Black	2

◆Optional

+ 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.



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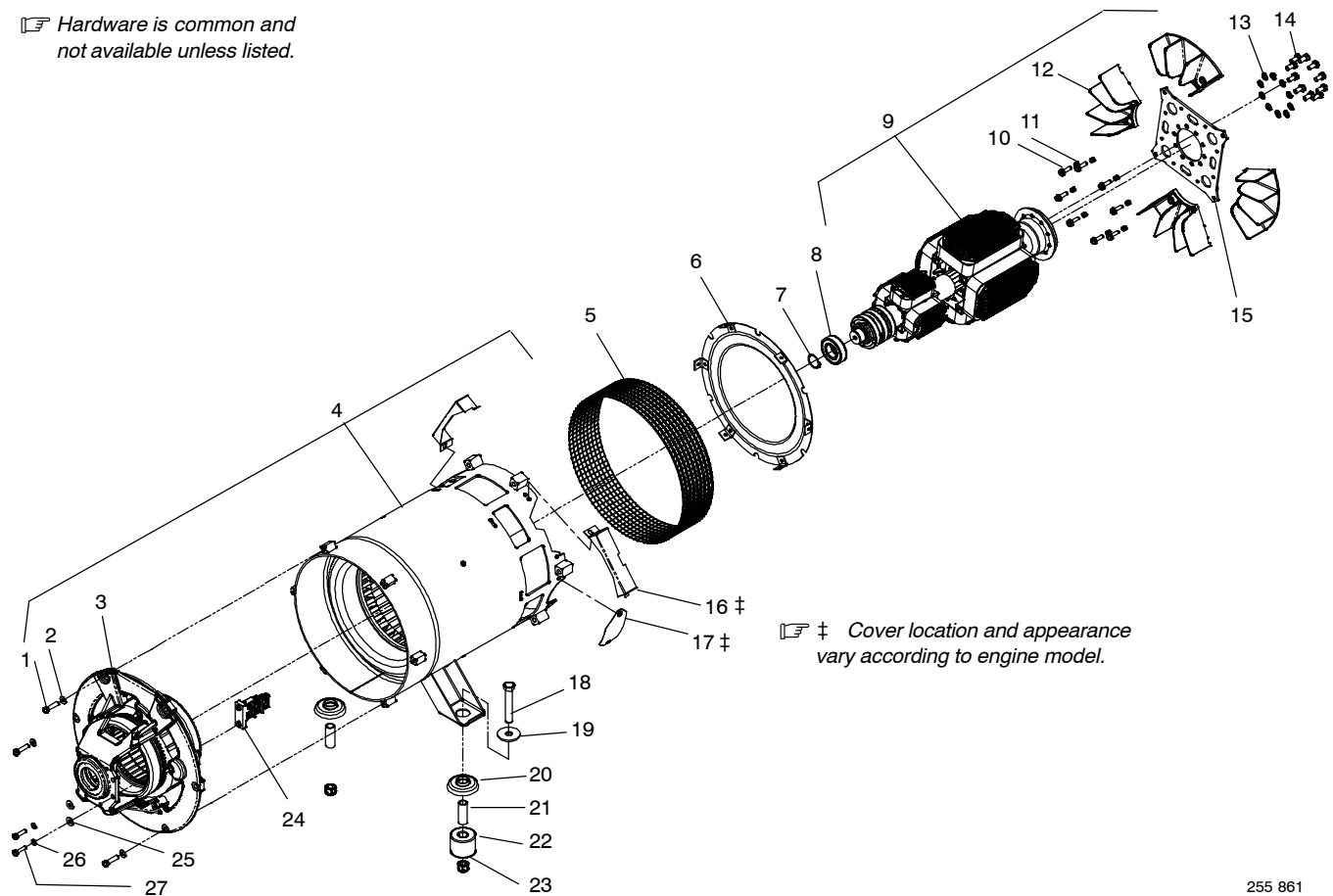
Figure 13-6. Auxiliary Power Group, Export

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 13-6. Auxiliary Power Group, Export				
1		+223121	Panel, Aux Power (Export)	1
2		144844	Stand-off, No 6-32 X .875 Lg .250 Hex Al Fem	2
3	ELCB1	222991	Circuit Breaker, Elcb 16a 220V 0.030A Trip	1
4		200910	Label, Warning Electric Shock And Moving Parts Ce (Prior to MF510042E)	1
4		272330	Label, Warning Electric Shock/Moving Parts (Sym) (Eff w/MF510042E)	1
5	GFCI1	246614	Receptacle, GFCI 15/20A	1
6	CB2	093996	Circuit Breaker, Man Reset 1p 20A 250VAC Frict	1
7		083030	Stud, Brs .250-20 X 1.750 W/Hex Collar	1
		601836	Nut, 250-20 .50hex .19h Brs	3
8		190323	Boot, Circuit Breaker Clear Hex Nut	1
9		209056	Cover, Receptacle W/Gasket	2
10	RC1	176355	Rcpt, Str 2p3w 16a 220V Flange Mtg	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.

☞ Hardware is common and
not available unless listed.



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Figure 13-7. Generator

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
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Figure 13-7. Generator (Figure 13-1, Item 28)

...	1	132053	.. Screw, 375-16x1.50 Hex Hd-PIn Gr5 Pld Blk	6
...	2	183387	.. Washer, Cone .380idx .860odx.109t Stl Pld 4000lbs	6
...	3	264056	.. Endbell W/Exciter Stator (Includes)	1
...		264058	 Stator, Exciter/Aux Power	1
...		604538	 Washer, Flat .344idx0.688odx.065t Stl Pld Ansi.312	4
...		172684	 Nut, 312-18 .50hex .27h Stl Pld Sem Cone Wshr.76d	4
...		257974	 Kit, Endbell w/O-ring (Includes)	
...		203635	 Endbell, Gen	1
...		143220	 O-Ring, 2.859 Id X .139 Cs 70 Duro Viton	1
...		604537	 Nut, 312-18 .50hex .28h Stl Pld	4
...		604538	 Washer, Flat .344idx0.688odx.065t Stl Pld Ansi.312	4
...		261463	 Screw, 312-18x4.50 Hex Hd-pln Stl Gr5 Pld Full	4
...	4	+215011	.. Stator, Weld/Power Assy Complete	1
...	4	+♦216318	.. Stator, Weld/Power Assy Complete (Full Kva Option)	1
...	5	190197	.. Guard, Generator Wire Mesh	1
...		172674	.. Spring, Ext .240 Od X .041 Wire X 3.500 Pld	2
...	6	039207	.. Baffle, Air Gen	1
...		172555	.. Screw, M10-1.5x 50 Hex Hd-PIn 8.8 Pld	6
...	7	024617	.. Ring,Rtng Ext 1.375 Shaft X .050 Thk	1
...	8	053390	.. Bearing,Ball Rdl Sgl Row 1.370 X 2.830 X .6	1
...	9	212996	.. Rotor, Generator	1
...	10	080389	.. Screw, 312-18x1.00 Hexwhd.66d Stl Pld Slffmg Tap-Rw	8
...	11	083883	.. Washer, Lock .402idx0.709odx.087t Stl Pln Split10mm	8
...	12	206242	.. Fan, Rotor Segmented Assy Gen	4
...	13	083883	.. Washer, Lock .402idx0.709odx.087t Stl Pln Split10mm	10

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Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 13-7. Generator (Continued)				
... 14	...	049026	.. Screw, M10-1.5x 25 Hex Hd-Pln 8.8 Pln	10
... 15	...	210332	.. Plate, Flex Hubmount	1
... 16	...	191579	.. Cover, Starter Hole	1
... 17	...	191580	.. Cover, Starter Hole	1
...	...	199849	.. Screw, 625-11x4.00 Hex Hd-pln Gr5 Pld	3
... 18	...	071731	.. Washer, Flat .656idx2.250odx.187t Stl Pld	2
... 19	...	071890	.. Retainer, Mount Eng/Gen	2
... 20	...	071730	.. Tubing, Stl .875 Od X12ga Wall X 2.500	2
... 21	...	083476	.. Mount, Eng/Gen Nprn .875id X 2.500od X 2.000 60 Dur	2
... 22	...	135205	.. Nut, 625-11 .94hex .77h Stl Pld Elastic Stop Nut	2
... 23	...	602159	.. Screw, 312-18x .75 Hexwhd.66d Stl Pld Slffmg Tap-Rw	6
... 24	...	189142	.. Brushholder, Generator	1
...	...	*190823	.. Brush, Contact Elect .250 X.500 X 1.250 Grd Ay	3
...	...	208469	.. Clip, Spring	3
... 25	...	602242	.. Washer, Flat .375idx0.875odx.083t Stl Pld Blk	2
... 26	...	602211	.. Washer, Lock .318idx0.586odx.078t Stl Pld Split.312	2
... 27	...	604534	.. Screw, 312-18x1.25 Hex Hd-Pln Gr5 Pld	2

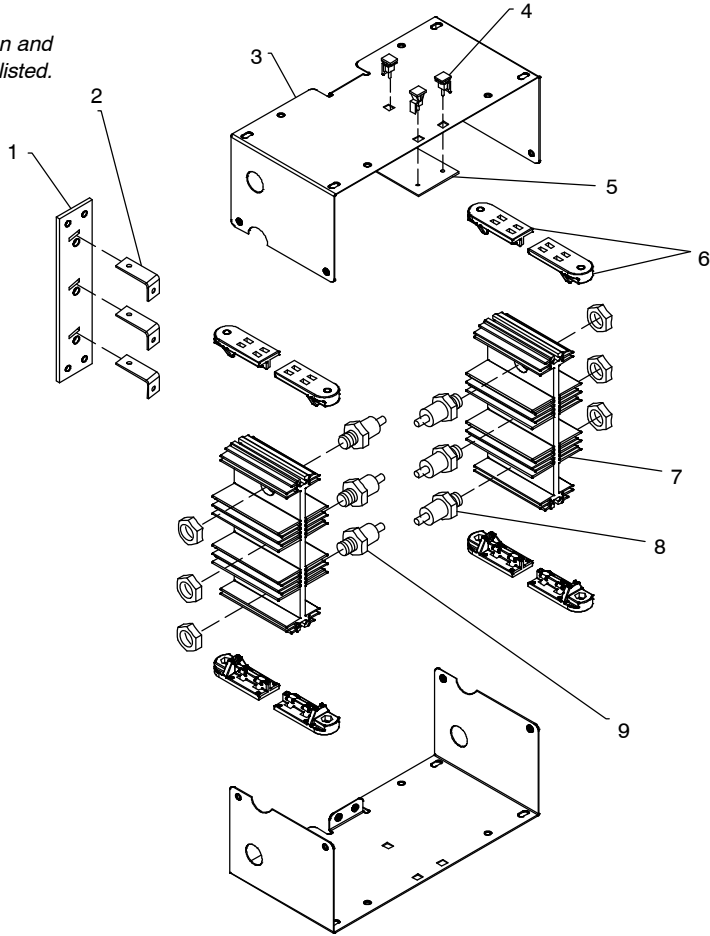
+ When ordering a component originally displaying a precautionary label, the label should also be ordered.

*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.

☞ Hardware is common and not available unless listed.



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Figure 13-8. Main Rectifier Assembly

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
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Figure 13-8. Main Rectifier Assembly (Figure 13-1 Item 92)

.....	SR3		239784	..	Rectifier, (Consisting Of)		1
... 1	.....	.....	188137	....	Connection Board, Rectifier Ac	.....	1
... 2	.....	.....	188517	....	Bus Bar, Connection Board	.....	3
... 3	.....	.....	188135	....	Enclosure, Rectifier	.....	2
... 4	.....	.....	134201	....	Stand-Off, Support	.....	3
... 5	 PC3	.....	269140	....	Circuit Card Assy, Protection	.....	1
... 6	.....	.....	188136	....	Insulator, Heat Sink	.....	8
... 7	.....	.....	188493	....	Heat Sink, Rectifier Al	.....	2
... 8	. D3, D5, D7	. 037956	....	Diode, Rect 275A 300V Sp (Prior to LH002538)	.....	3	
... 8	. D3, D5, D7	. 208334	....	Diode, Rect 275A 300V Sp (Eff w/LH002538 thru MA080187E)	.....	3	
... 8	. D3, D5, D7	. 245097	....	Diode, Rect 300A 500V Do-9 (Straight) Modified (Eff w/MA080188E)	. 3		
... 9	. D2, D4, D6	. 037957	....	Diode, Rect 275A 300V Rp (Prior to LH002538)	.....	3	
... 9	. D2, D4, D6	. 208335	....	Diode, Rect 275A 300V Rp (Eff w/LH002538 thru MA080187E)	.....	3	
... 9	. D2, D4, D6	. 245096	....	Diode, Rect 300A 500V Do-9 (Reverse) Modified (Eff w/MA080188E)	. 3		

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.

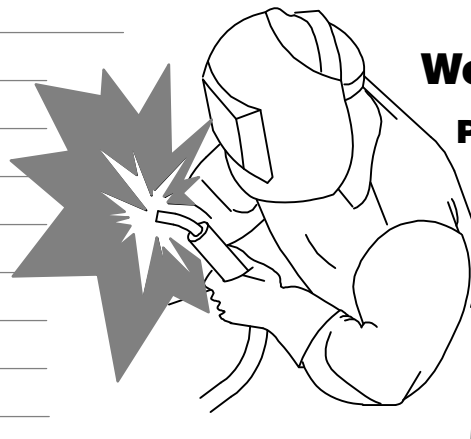
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 Some wiring harness components (switches, relays, supplementary protectors) are also referenced elsewhere in this parts list. Purchase components separately or as part of the associated wiring harness.

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Wiring Harnesses				
		215054	Harness, Control Box, CC Weld Control (includes) (Prior to LJ110096E)	1
		236606	Harness, Control Box, CC Weld Control (includes) (Eff w/LJ110096E thru LJ350166E)	1
		238763	Harness, Control Box, CC Weld Control (includes) (Eff w/LJ350167E)	1
	SR1, SR2	035704	Rectifier, Integ Bridge 40. Amp 800V	2
	D1/C1	189701	Diode/Capacitor Board	1
	RC4	047483	Conn, Rect Univ 084 15p/S 3row Rcpt Cable/Panel Lkg	1
CB11, CB12, CB13		139266	Supplementary Protector, Man Reset 1p 15A 250VAC	3
	CR7	188636	Relay, Ocv Control	1
		148850	Socket, Relay 5 Pin	1
	S6	011622	Switch, Tgl 3pdt 15A 125VAC On–none–on Spd Term	1
	S5	011609	Switch, Tgl Spdt 15A 125VAC On–none–on Spd Term Chr	1
		211292	Conn, Pack 4p 1row Female	1
		211293	Conn, Pack Terminal Position Assurance(Lock)	1
		164617	Clip, Wiring Straight	3
	S2	021467	Switch, Tgl Spst 3a 250V Off–none–(On) Spd Term	1
		150316	Conn, Rect Univ 039 6p/S 3row Plug Cable Lkg	5
	RC3	158466	Conn, Rect Univ 084 12p/S 3row Rcpt Cable/Panel Lkg	1
	RC1	135133	Conn, Rect Univ 084 9p/S 3row Rcpt Cable/Panel Lkg	1
		215377	Harness, Control Box, CV Weld Control (includes) (Prior to LJ110096E)	1
		236603	Harness, Control Box, CV Weld Control (includes) (Eff w/LJ110096E thru LJ350166E)	1
		238683	Harness, Control Box, CV Weld Control (includes) (Eff w/LJ350167E)	1
CB11, CB12, CB13		139266	Supplementary Protector, Man Reset 1p 15A 250VAC	3
	SR1	035704	Rectifier, Integ Bridge 40. Amp 800V	1
		148850	Socket, Relay 5 Pin	1
	RC4	047483	Conn, Rect Univ 084 15p/S 3row Rcpt Cable/Panel Lkg	1
	RC3	158466	Conn, Rect Univ 084 12p/S 3row Rcpt Cable/Panel Lkg	1
	RC1	135133	Conn, Rect Univ 084 9p/S 3row Rcpt Cable/Panel Lkg	1
		150316	Conn, Rect Univ 039 6p/S 3row Plug Cable Lkg	6
	S6	193234	Switch, Rotary 6 Posn Gold Contacts	1
		021467	Switch, Tgl Spst 3a 250V Off–none–(On) Spd Term	1
	S5	011609	Switch, Tgl Spdt 15A 125VAC On–none–on Spd Term Chr	1
	D1/C1	189701	Diode/Capacitor Board,	1
		193183	Conn, Rect Cinch 18 Pin	1
		196602	Plug, Cavity 18,30 Position Cinch Connector	4
		196603	Seal, Switch 6 Position Rotary .250 Shaft	1
		141450	Conn, Rect Metrmate 10skt 1row Plug Cable Lkg	1
		093995	Circuit Breaker, Man Reset 1p 15A 250VAC Frict	2
		211292	Conn, Pack 4p 1row Female	1
		211293	Conn, Pack Terminal Position Assurance (Lock)	1
		215013	Harness, Weld Control CC (includes)	1
	PLG3	158465	Conn, Rect Univ 084 12p/S 3row Plug Cable Lkg	1
		187654	Seal, Wire Univ 12p/S 3row	1
	PLG6	114063	Conn, Rect Univ 084 4p/S 1row Plug Cable Lkg	1

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Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Wiring Harnesses (Continued)				
.....		215207 ..	Harness, Weld Control CV (includes)	1
.....	PLG6	114063 ..	Conn, Rect Univ 084 4p/S 1row Plug Cable Lkg	1
.....	PLG8	193184 ..	Conn, Rect Cinch 30 Pin	1
.....	PLG13 ...	147992 ..	Conn, Rect Univ 039 10p/S 2row Plug Cable Lkg	1
.....	PLG3	158465 ..	Conn, Rect Univ 084 12p/S 3row Plug Cable Lkg	1
.....		187654 ..	Seal, Wire Univ 12p/S 3row	1
.....		196602 ..	Plug, Cavity 18,30 Position Cinch Connector	6
.....		215659 ..	Harness, Engine Control (includes)	1
D10/C10, D11/C11 ..		189701 ..	Diode/Capacitor Board	2
.....	CB10	190374 ..	Circuit Breaker, Auto Reset 12VDC 40 Amp	1
.....	CR1	090104 ..	Relay, Encl 12VDC Spst 30A/15VDC 5pin Flange Mtg (Prior to MC190038E)	1
.....	CR1	252053 ..	Relay, Encl 12VDC Spst 35A/14VDC 5 Pin (Eff w/MC190038E)	1
.....		148850 ..	Socket, Relay 5 Pin	1
.....	PLG4	114062 ..	Conn, Rect Univ 084 15p/S 3row Plug Cable Lkg	1
.....		212116 ..	Conn, Deutsch 2p 1row Female Plug	3
.....		212117 ..	Conn, Deutsch Wedge Lock 2 Position	3
.....	CR8	197325 ..	Relay, Encl 12VDC Spst 70A 4pin Flange Mtg	1
.....		192558 ..	Harness, Range Switch (includes)	1
.....	RC6	148389 ..	Conn,Rect Univ 084 4p/S 1row Rcpt Cable/Panel Lkg	1
.....		201109 ..	Harness, Receptacle Auxiliary Power (Domestic Models) (includes)	1
.....	RC1	147632 ..	Rcpt, Tw Lk Grd 2p3w 30A 250V *L6-30r	1
.....	GFCI1 ...	246865 ..	Rcpt, Str Dx Grd 2p3w 20A 125v *5-20r Gfi	1
.....	CB2	093996 ..	Circuit Breaker, Man Reset 1p 20A 250VAC Frict	1
.....		201053 ..	Harness, Receptacle Auxiliary Power (Export Models) (includes) (Prior to LJ005955)	1
.....		223132 ..	Harness, Receptacle Auxiliary Power (Export Models) (Includes) (Eff w/LJ005955)	1
.....	GFCI1 ...	246614 ..	Receptacle, GFCI 15/20A	1
.....	CB3	139266 ..	Supplementary Protector, Man Reset 1p 15A 250VAC	1
.....	CB2	093996 ..	Supplementary Protector, Man Reset 1p 20A 250VAC (Prior to LJ005955)	1
.....		190259 ..	Harness, Brushholder (includes)	1
.....	PLG1	135134 ..	Conn, Rect Univ 084 9p/S 3row Plug Cable Lkg	1
.....		187651 ..	Seal, Wire Univ 9p/S 3row	1
.....		235251 ..	Harness, Fuel Shutdown Solenoid (Eff w/LH023056 thru MA340014E)	1
.....	R7	235250 ..	Resistor, Hsc 30w 3 Ohm	1
.....		148850 ..	Socket, Relay 5 Pin	1



Pros weld and cut safely. Read the safety rules at the beginning of this manual.



TM-4425L

2017-03

Processes



Stick (SMAW) Welding



TIG (GTAW) Welding



Air Carbon Arc (CAC-A) Cutting and Gouging

Description



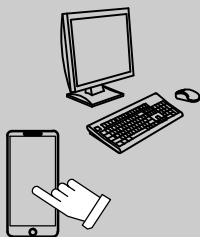
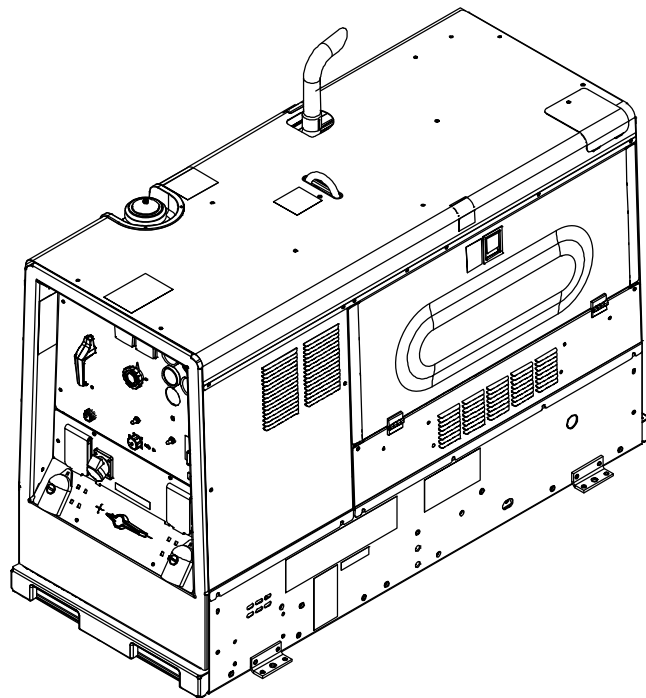
Engine Driven Welder/Generator

Big Blue[®] 500 X

Deutz

PARTS LIST

Eff W/Serial No. MG060005E And Following



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

www.MillerWelds.com

File: Engine Drive



SECTION 14 – PARTS LIST

EFF W/SERIAL NO. MG060005E AND FOLLOWING

 Hardware is common and not available unless listed.

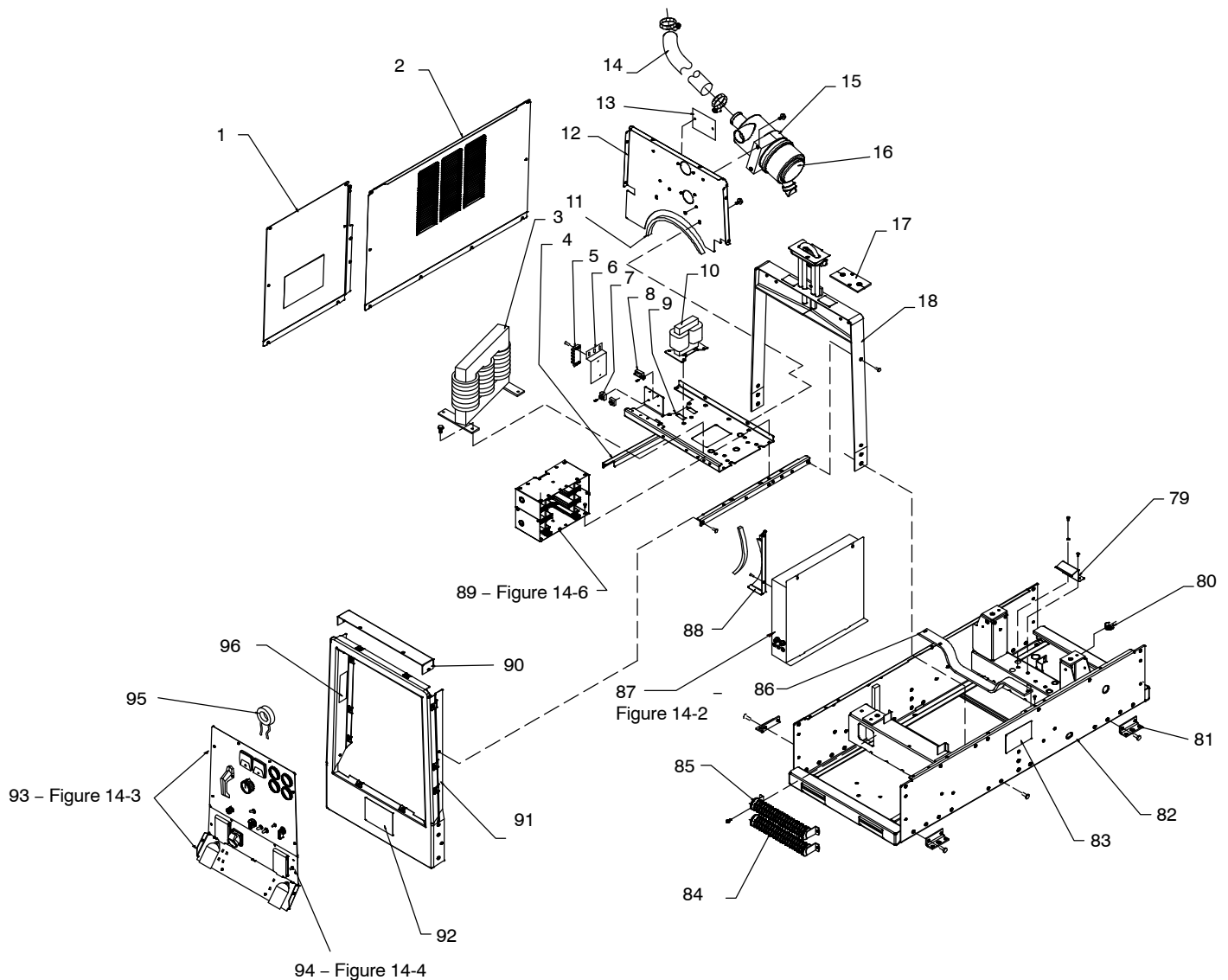
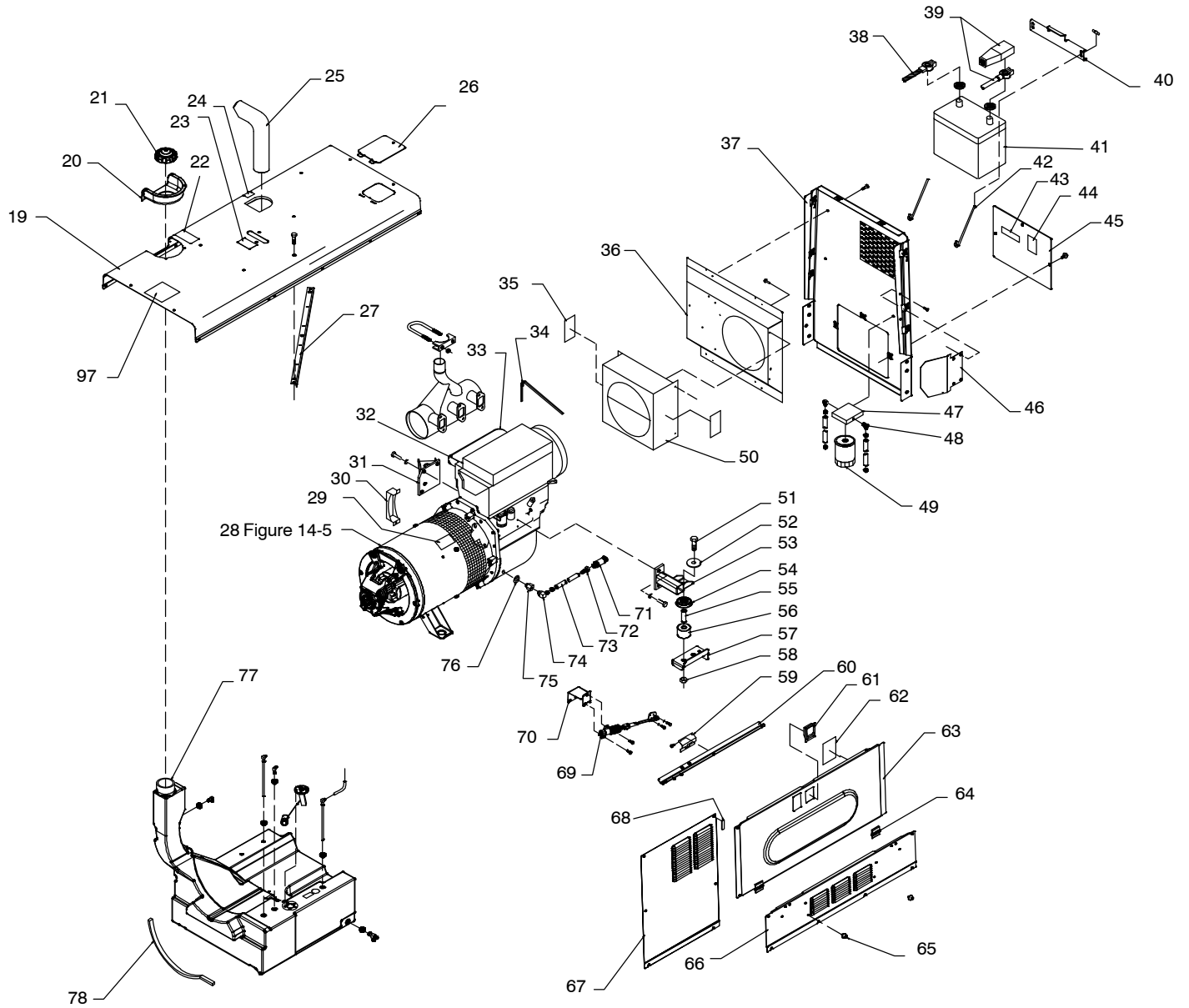


Figure 14-1. Main Assembly

Eff W/Serial No. MG220008E And Following



Eff W/Serial No. MG060005E And Following

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 14-1. Main Assembly				
1		189824	Panel, Gen Lh	1
2		+252811	Panel, Engine Side	1
3	Z1	214972	Reactor, Ac	1
4		206352	Brace, Front To Center Upright	2
5	1T	038621	Block, Term 30A 4 Pole Frict Term Str	1
		038620	Link, Jumper Term Blk 30A	2
6		081499	Bracket, Mtg Strip Terminal	1
7	SR4, SR5	035704	Rectifier, Integ Bridge 40. Amp 800V	2
8	CB4	045061	Circuit Breaker, Auto Reset 24VDC 7 Amp	1
9		201697	Pan, Reactor And Rectifier	1
10	T1	201613	Transformer W/Bracket	1
11		263422	Extrusion, Rubber Clamp/Bulb (Order By Ft)	3ft
12		189708	Firewall, Top	1
13		191307	Cover, Plate	1
14		191829	Hose, Air Cleaner	1
15		189763	Bracket, Mtg Air Cleaner	1
16		189764	Air Cleaner, Intake	1
		*192938	Filter, Air Element Primary	1
		*♦192939	Filter, Air Element Safety	1
17		189464	Seal, Weather Lift Eye	1
		173909	Hose, Sae .312 Id X .560 Od X 24.000 (Order By Ft)	2
18		201658	Upright, Center Assembly	1
19		+263316	Cover, Top	1
20		189052	Grommet, Plastic Neck Filler Fuel	1
21		254678	Cap, Tank Screw-On 3.500 In W/Vent W/Lanyard 8in	1
22		272338	Label, Use Diesel Fuel Only (En/Fr-Sym) (Prior to MH060318R)	1
22		227728	Label, Warning Use Diesel Fuel Only (Trilingual) (Eff w/MH060318R)	1
23		272339	Label, Warning Falling Equipment (En/Fr-Sym)	2
24		272333	Label, Warning Hot Parts (En/Fr-Sym)	1
25		105734	Pipe, Muffler Extension Elbow 1.875 Od	1
25		201592	Pipe, Exhaust (Export Models)	1
		010875	Clamp, Muffler 2.000 Dia U Pld	1
26		234509	Cover, Radiator Access	1
27		191354	Support, Cover	1
28	Figure 14-5		Generator	1
29		272334	Label, Warning Moving Parts (En/Fr-Sym)	2
30		191577	Guard, Starter	1
31		197370	Bracket, Mtg Engine Lh	1
32		197639	Baffle, Air	1
		010875	Clamp, Muffler 2.000 Dia U Pld	1
33		261639	Engine, Deutz Dsl Elec D2011I03i (Flex)	1
		*067265	Filter, Oil (Engine)	1
		*192744	Filter, Fuel Spin-On	1
		*066217	Filter, Fuel Secondary	1
		*195745	Switch, Oil Pressure	1
		*195746	Sender, Coolant	1
		♦207847	Heater, Block Engine 120 Volt 300 Watt	1
34		*216959	Belt, Blower	1
35		272334	Label, Warning Moving Parts (En/Fr-Sym)	2
36		201714	Box, Air Intake	1
37		201748	Upright, Rear	1
38		190206	Cable, Bat Neg 42 In Lg No. 2 Awg W/Clamp And .375rng	1
39		190207	Cable, Bat Pos 45 In Lg No. 1 Awg W/Clamp And .406rng	1
40		266385	Bracket, Battery Holddown	1
41	BATT		Battery, Stor 12v 650crk 110rsv Gp 24	1
42		201006	Bolt, J Stl .312-18 X 8.500 Pld	2
		208041	Spacer, Stl .323 Id X .625 Od X .141 Thk	2
		264924	Bracket, Battery Locator Adj	1
43		272341	Label, Warning Battery Explosion (En/Fr-Sym)	1
44		272334	Label, Warning Moving Parts (En/Fr-Sym)	2
45		+201183	Cover, Battery Access	1
46		+215252	Guard, Belt	1
47		206297	Base, Fuel Filter W/Fittings	1

Eff W/Serial No. MG220008E And Following

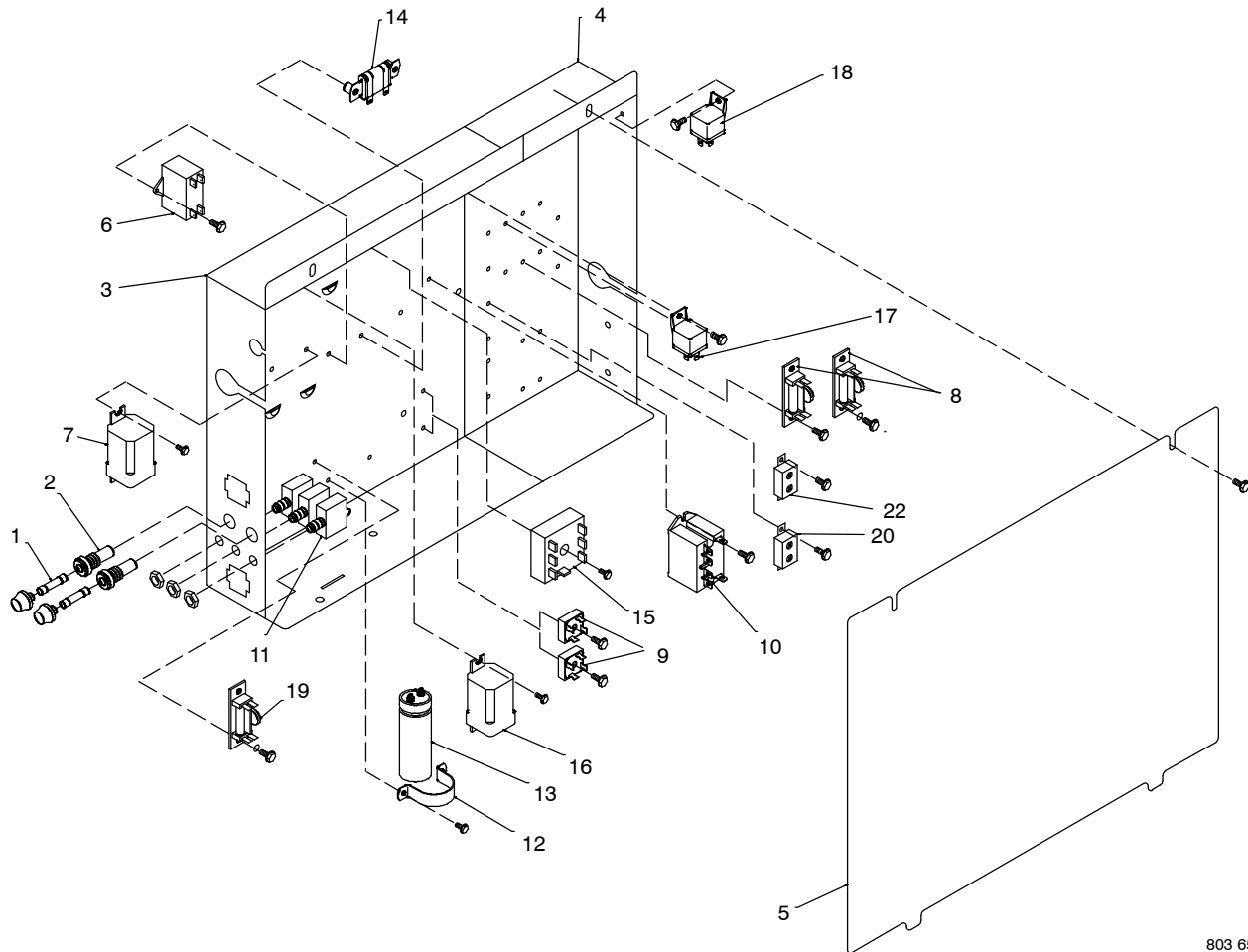
Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 14-1. Main Assembly (Continued)				
48		145282	Fitting, Hose Brs Barbed Elbow M 5/16tbg X 1/4npt	2
49		*192744	Filter, Fuel Spin-On	1
50		+201715	Box, Air Intake	1
51		199849	Screw, 625-11 X 4.00hexhd Pln Gr 5 Pld	4
52		071731	Washer, Flat .656 Id X 2.250 Od X .187t Stl Pld	4
53		197366	Bracket, Mtg Engine Rh	1
54		071890	Retainer, Mount Eng/Gen	4
55		071730	Tubing, Stl .875 Od X 12ga Wall X 2.500	4
56		083476	Mount, Eng/Gen Nprn .875 Id X 2.500 Od X 2.000	4
57		197373	Bracket, Support Base Rh	1
58		135205	Nut, 625-11 .94hex .76h Stl Pld Elastic Stop Nut	4
59		190992	Keeper, Latch Engine Access Door	1
60		190076	Channel, Stiffener Engine Access	1
61		245362	Latch, Paddle Series 20 (Black)	1
62		237352	Label, Maintenance Big Blue Deutz Series Ce	1
63		+200989	Door, Engine Access	1
64		189975	Hinge, Door Access 180deg	2
65		254634	Bumper, Door 1.000 Od X .750 High Nprn 50 Duro	2
66		269531	Panel, Rocker	1
67		189827	Panel, Gen Rh	1
68		191626	Bumper, Door Engine Access	2
69	TS1	◆174064	Idle Solenoid Assembly	1
70		◆269216	Bracket, Mtg Solenoid	1
		199505	Hose, Oil Drain Assy 32 In (Consisting Of)	1
71		165271	Valve, Oil Drain 3/8-18nptf	1
72		176529	Fitting, Hose Brs Barbed Fem 1/2tbg X 3/8npt	1
73		269052	Hose, Nitrile .500 Id X .765 Od X Roll Blk Brd (Order By Ft)	2ft
74		176528	Fitting, Hose Brs Barbed Elbow Fem 1/2 Tbg X 1/2 Npt	1
75		173336	Fitting, Adapter Oil Drain	1
76			Washer, Oil Drain (Available Through Engine Manufacturer)	1
77		259019	Kit, Field Fuel Tank (Includes)	1
		257007	Tank, Fuel	1
		258232	Fuel Line Assy, W/Clamps 42.000 In	1
		218086	Bracket, Holddown Fuel Tank	1
78		263420	Extrusion, Rubber W/Adhesive 1.000 X 1.000 D (Order By Ft)	6ft
79		196220	Bracket, Hold Down Fuel Tank Rear	1
80		192362	Bracket, Mtg Nyl 1/2 Conduit	1
81		191897	Bracket, Mtg Unit	4
82		+262408	Base	1
83		272342	Label, Warning Do Not Weld On Base (En/Fr-Sym)	2
84	R2	189699	Resistor, Ww Tap 375w 10 Ohm W/Mtg Bkt	1
85	R3	189699	Resistor, Ww Tap 375w 10 Ohm W/Mtg Bkt	1
86		218086	Bracket, Hold Down Fuel Tank	1
87		Figure 14-2	Control Box Assembly	1
88		189731	Firewall, Lower	1
89		Figure 14-6	Main Rectifier Assembly	1
90		191448	Top, Cover Front Upright	1
91		+201750	Upright, Front	1
92		272343	Label, Warning General Precautionary (En/Fr-Sym)	1
93		Figure 14-3	Panel, Front W/Components	1
94		Figure 14-4	Panel, Auxiliary Power	1
95		◆202130	Xfmr, Current Sensing	1
96		212944	Label, Cc Stick Overlap Weld Ranges	1
97		272340	Label, Danger Using Generator Indoor (En/Fr/Sp-Sym)	1
		190058	Nut, .250-20 U-Nut Multi-Thread	19
		049525	Nut, 312-18 U-Nut Multi-Thread	32
		238650	Label, Hour/Fuel Meter Usage	1
		272332	Label, Notice Do Not Use Ether (En/Fr-Sym) (Prior to MH060318R)	1
		227731	Label, Caution Do Not Use Ether (Trilingual) (Eff w/MH060318R)	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.

Eff W/Serial No. MG060005E And Following



803 652-D

Figure 14-2. Control Box Assembly

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
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Figure 14-2. Control Box Assembly (Figure 14-1 Item 87)

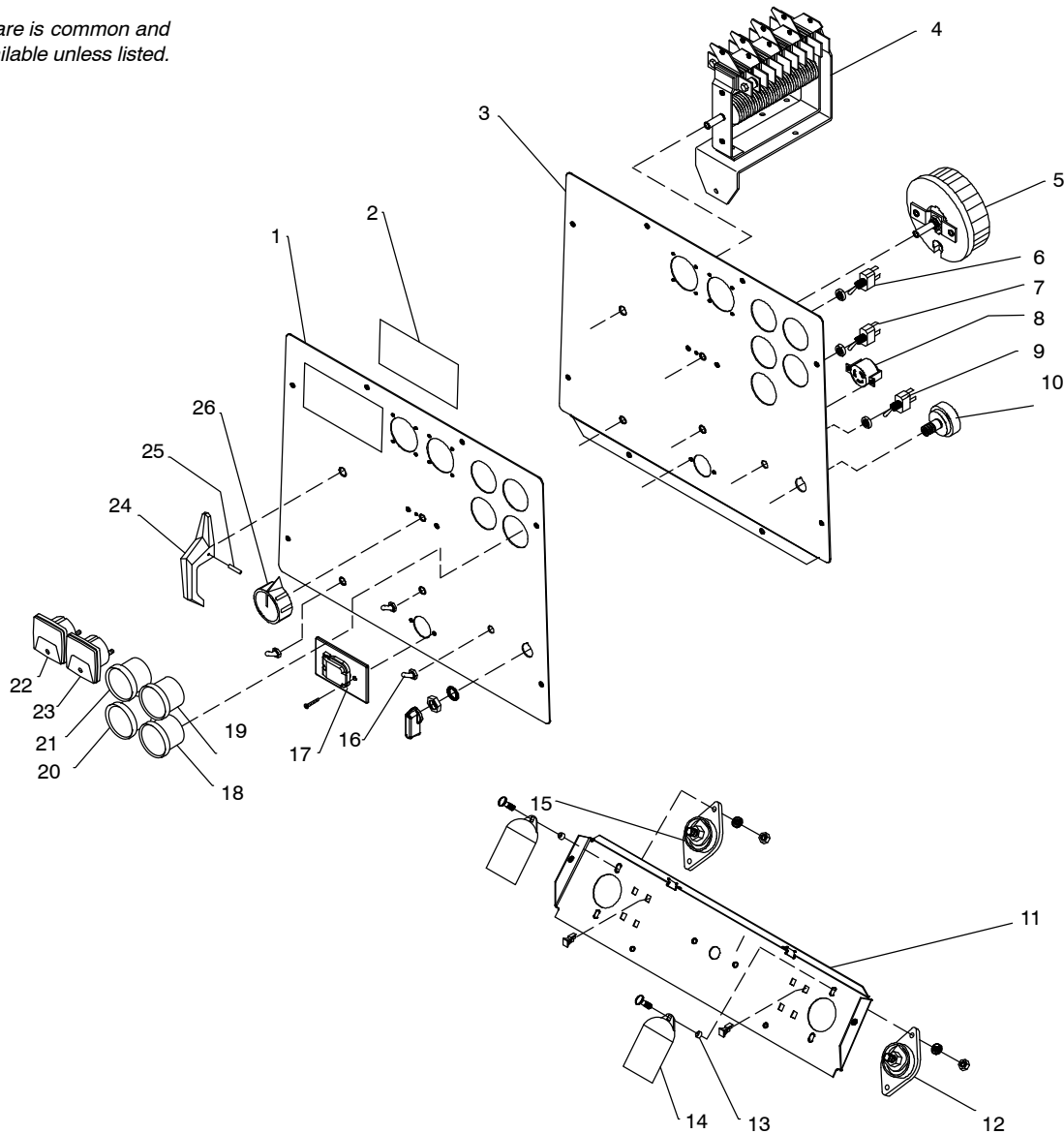
...	1	...	F1, F2	..	*085874	..	Fuse, Mintr Cer Slo-Blo 10A 250V		2
...	2	...		...	046432	..	Holder, Fuse Mintr .250 X 1.250	.....	2
...	3	...		...	201077	..	Control Box, Lh	.....	1
...	4	...		...	201078	..	Control Box, Rh	.....	1
...	5	...		...	201079	..	Cover, Control Box	.....	1
...	6	...	C12	...	191944	..	Capacitor, Polyp Met Film 10. uF 250 VAC 10%	.....	1
...	7	...	CR7	...	188636	..	Relay, Ocv Control	.....	1
...	8	...	D8/C8	...	189701	..	Diode/Capacitor Board	.....	1
...	9	...	SR1, SR2	...	035704	..	Rectifier, Integ 40A 800V	.....	2
...	10	...	CR5	...	223710	..	Relay, Encl 12VDC Dpst-No 25A 6pin Flange	.....	1
...	11	...	CB11, 12, 13	...	139266	..	Supplementary Protector, Man Reset 1p 15A 250VAC	.....	3
...	12	...		...	177136	..	Clamp, Capacitor 1.375dia	.....	1
...	13	...	C9	...	087110	..	Capacitor, Elctlt 240uF 200VDC	.....	1
...	14	...	R6	...	141424	..	Resistor, Ww Fxd 30 W 25 Ohm Faston Te	.....	1
...	15	...	PC7	...	◆195706	..	Module, Pull To Idle, Two Output, 7 Pin	.....	1
...	16	...	CR4	...	◆113247	..	Relay, Encl 12VDC Dpdt 20A/120VAC 8pin Flange Mtg	.....	1
...	17	...	CR6	...	◆090104	..	Relay, Encl 12VDC Spst 30A/15VDC 5pin Flange Mtg	.....	1
...	18	...	CR3	...	◆090104	..	Relay, Encl 12VDC Spst 30A/15VDC Spin Flange Mtg	.....	1
...	19	...	D1/C1	...	189701	..	Diode/Capacitor Board	.....	1
...	20	...	CB10	...	190374	..	Circuit Breaker, Auto Reset 12VDC 40A	.....	1
...	21	...	CR1	...	252053	..	Relay, Encl 12vds Spst 35A/14VDC 5 Pin	.....	1
...	22	...	CB14	...	◆205927	..	Circuit Breaker, Auto Reset 12VDC 12 Amp	.....	1

◆Optional *Recommended Spare Parts.

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. MG220008E And Following

☞ Hardware is common and not available unless listed.



803 654-C

Figure 14-3. Panel, Front w/Components

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 14-3. Panel, Front w/Components (Figure 14-1 Item 93)				
1		240162	Plate Screened, Ident Control Rating; (When ordering this item, the nameplate should also be ordered)	1
2			Nameplate, Screened (order by model and serial number)	1
3		238616	Panel, Engine/Weld Control	1
4	S3	208278	Switch, Range/Changeover	1
		192558	Harness, Range (Consisting Of)	1
	RC6	148389	Conn, Rect Univ 084 4p/S 1 Row Rcpt Cable/Panel Lkg	1
5	R1	188635	Rheostat, Ww 300w 34 Ohm	1
6	S6	011622	Switch, Tgl Dpdt 15A 125VAC	1
7	S5	011609	Switch, Tgl Spdt 15A 125VAC On-None-On Spd Term Chr	1
8	RC13	032897	Receptacle, Twlk Grd 2p3w 15A 125V	1
9	S2	021467	Switch, Tgl Spst 3a 250V Off-None-(On) Spd Term	1

Eff W/Serial No. MG060005E And Following

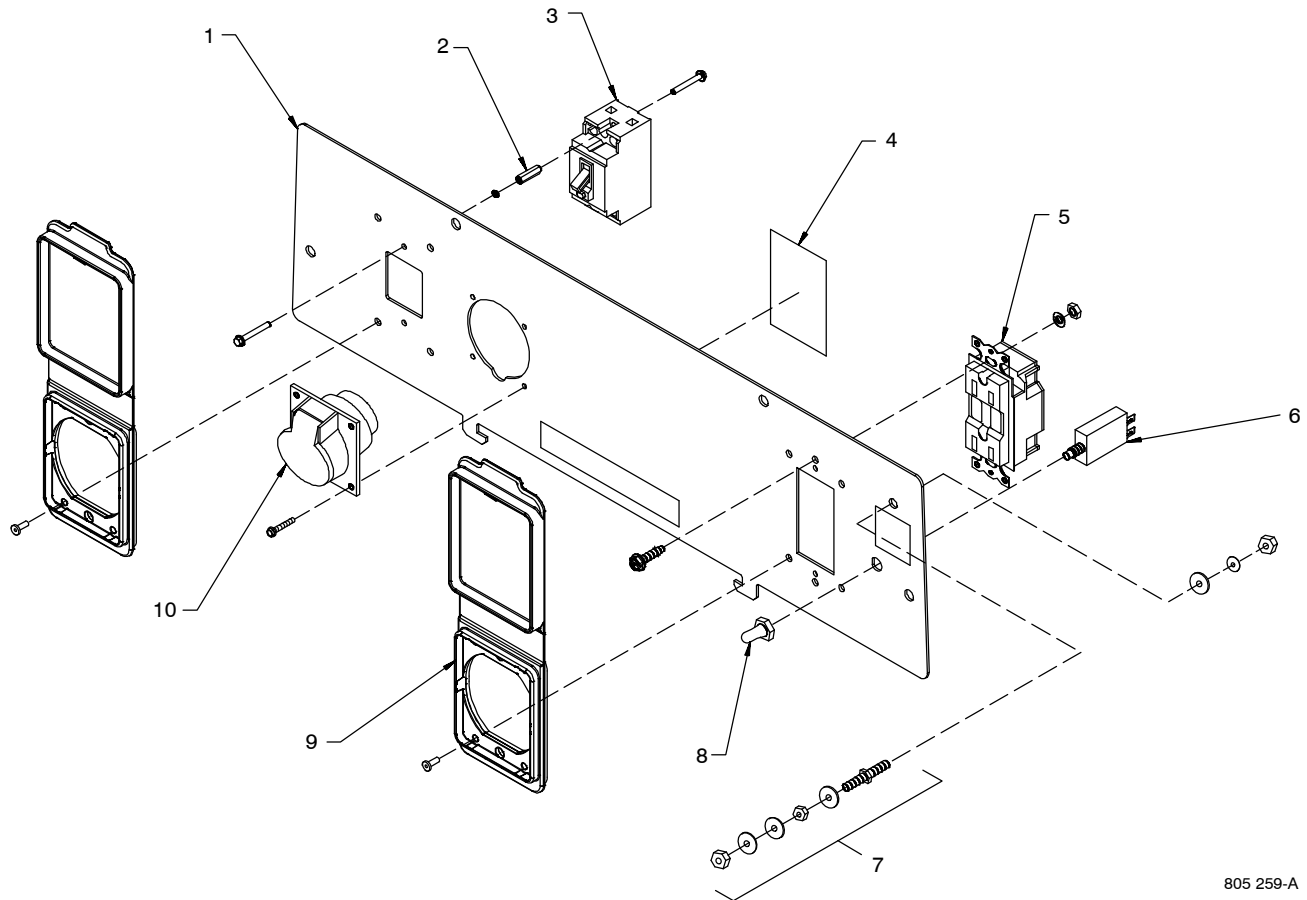
Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 14-3. Panel, Front w/Components (Continued)				
... 10	S1	217680	Switch, Ignition 4posn W/O Handle	1
		207073	Lever, Ignition Switch	1
		201244	Washer, Tooth.728idx1.166odx.050t Stl Pld Int.688	1
... 11		201125	Panel, Mtg Terminal Pwr Output	1
... 12		241433	Terminal, Pwr Output Black	1
		180735	Washer, Output Stud	2
... 13		181169	Spacer, Output Stud	2
... 14		186621	Boot, Generic Output Stud	2
... 15		241432	Terminal, Pwr Output Red	1
... 16		021385	Boot, Toggle Switch Lever	1
... 17		201045	Cover, Receptacle Twistlock	1
... 18		◆193228	Meter, Volt Dc 8– 18 Scale 2.250	1
... 19	FUEL/HM	232113	Gauge, Fuel Elec/Hour Meter	1
... 20		217084	Gauge, Coolant Temp 0– 300 Deg F	1
		195746	Sender, Coolant Temp & 130c Switch	1
... 21		217083	Gauge, Pressure Oil 0–100 Psi	1
		195745	Switch, Pressure Oil 1.5 Bar Nc Cont	1
... 22		◆164874	Volt Meter, W/Leads	1
... 23		◆164873	Ammeter, W/Leads	1
... 24		189161	Handle, Switch Range	1
... 25		010647	Pin, Spring Cs .156 X 1.250	1
... 26		019602	Knob, Pointer	1
		024103	Blank, Snap-In Nyl .750 Mtg Hole Black	1

◆ Optional

+ 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. MG220008E And Following



805 259-A

Figure 14-4. Auxiliary Power Group, Export

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
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Figure 14-4. Auxiliary Power Group, Export

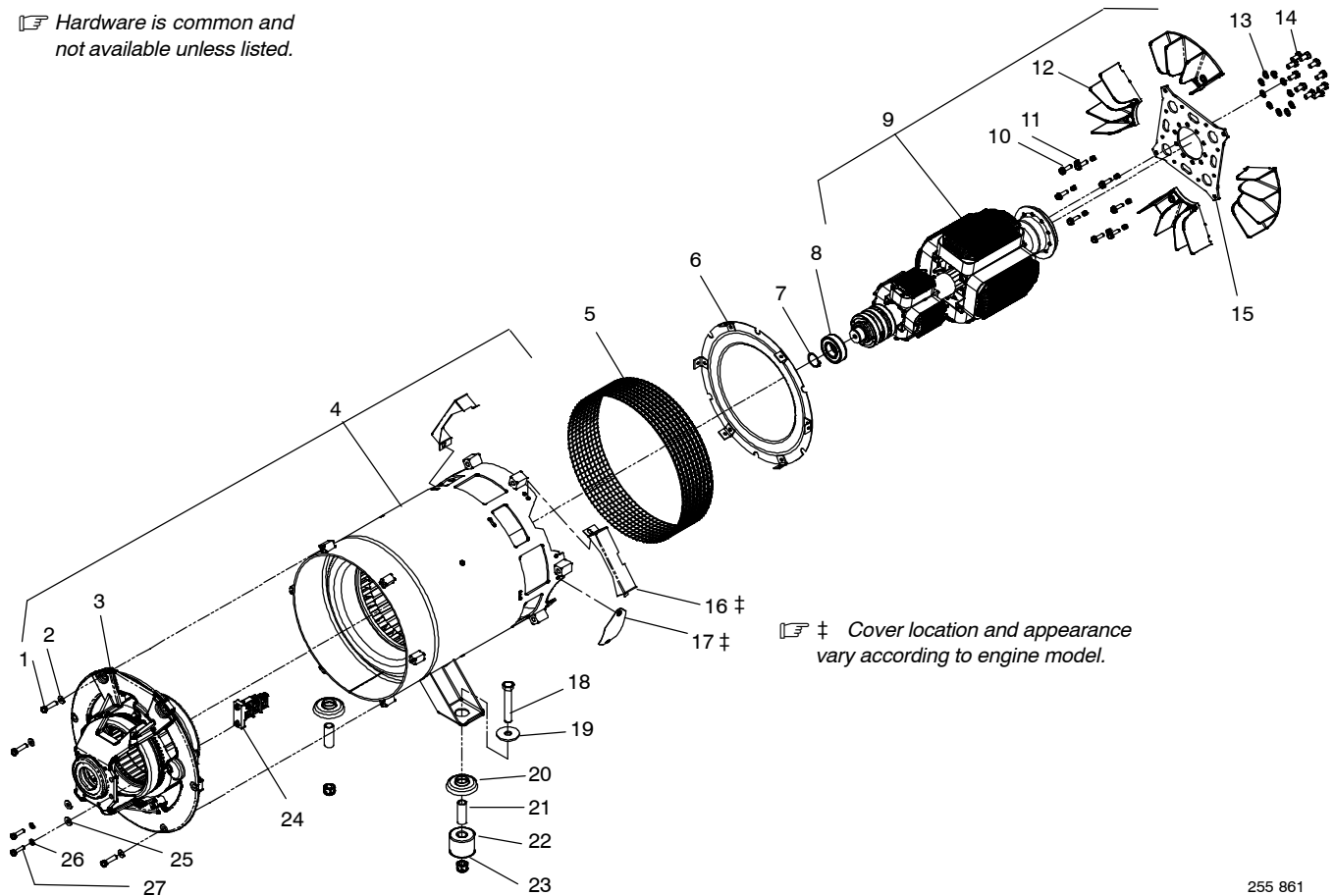
...	1	...	+223121	..	Panel, Aux Power (Export)	...	1
...	2	...	144844	..	Stand-off, No 6-32 X .875 Lg .250 Hex Al Fem	...	2
...	3	ELCB1	222991	..	Circuit Breaker, Elcb 16a 220V 0.030A Trip	...	1
...	4		272330	..	Label, Warning Electric Shock/Moving Parts (Sym)	...	1
...	5	GFCI1	246614	..	Receptacle, GFCI 15/20A (Prior to MG510536R)	...	1
...	5	GFCI1	277874	..	Receptacle, GFCI 15/20A (Filtered) (Eff w/MG510536R)	...	1
...	6	CB2	093996	..	Circuit Breaker, Man Reset 1p 20A 250VAC Frict	...	1
...	7		083030	..	Stud, Brs .250-20 X 1.750 W/Hex Collar	...	1
...			601836	..	Nut, 250-20 .50hex .19h Brs	...	3
...	8		190323	..	Boot, Circuit Breaker Clear Hex Nut	...	1
...	9		209056	..	Cover, Receptacle W/Gasket	...	2
...	10	RC1	176355	..	Rcpt, Str 2p3w 16a 220V Flange Mtg	...	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. MG060005E And Following

☞ Hardware is common and not available unless listed.



255 861

Figure 14-5. Generator

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
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Figure 14-5. Generator (Figure 14-1, Item 28)

...	1	132053	.. Screw, 375-16x1.50 Hex Hd-PIn Gr5 Pld Blk	6
...	2	183387	.. Washer, Cone .380idx .860odx.109t Stl Pld 4000lbs	6
...	3	264056	.. Endbell W/Exciter Stator (Includes)	1
...		264058	.. Stator, Exciter/Aux Power	1
...		604538	.. Washer, Flat .344idx0.688odx.065t Stl Pld Ansi.312	4
...		172684	.. Nut, 312-18 .50hex .27h Stl Pld Sem Cone Wshr.76d	4
...		257974	.. Kit, Endbell w/O-ring (Includes)	
...		203635	.. Endbell, Gen	1
...		143220	.. O-Ring, 2.859 Id X .139 Cs 70 Duro Viton	1
...		604537	.. Nut, 312-18 .50hex .28h Stl Pld	4
...		604538	.. Washer, Flat .344idx0.688odx.065t Stl Pld Ansi.312	4
...		261463	.. Screw, 312-18x4.50 Hex Hd-pln Stl Gr5 Pld Full	4
...	4	+215011	.. Stator, Weld/Power Assy Complete	1
...	5	190197	.. Guard, Generator Wire Mesh	1
...		172674	.. Spring, Ext .240 Od X .041 Wire X 3.500 Pld	2
...	6	039207	.. Baffle, Air Gen	1
...		172555	.. Screw, M10-1.5x 50 Hex Hd-PIn 8.8 Pld	6
...	7	024617	.. Ring,Rtng Ext 1.375 Shaft X .050 Thk	1
...	8	053390	.. Bearing,Ball Rdl Sgl Row 1.370 X 2.830 X .6	1
...	9	212996	.. Rotor, Generator	1
...	10	080389	.. Screw, 312-18x1.00 Hexwhd.66d Stl Pld Slffmg Tap-Rw	8
...	11	083883	.. Washer, Lock .402idx0.709odx.087t Stl Pln Split10mm	8
...	12	206242	.. Fan, Rotor Segmented Assy Gen	4
...	13	083883	.. Washer, Lock .402idx0.709odx.087t Stl Pln Split10mm	10

Eff W/Serial No. MG220008E And Following

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 14-5. Generator (Continued)				
... 14		049026	.. Screw, M10-1.5x 25 Hex Hd-Pln 8.8 Pln	10
... 15		210332	.. Plate, Flex Hubmount	1
... 16		191579	.. Cover, Starter Hole	1
... 17		191580	.. Cover, Starter Hole	1
		199849	.. Screw, 625-11x4.00 Hex Hd-pln Gr5 Pld	3
... 18		071731	.. Washer, Flat .656idx2.250odx.187t Stl Pld	2
... 19		071890	.. Retainer, Mount Eng/Gen	2
... 20		071730	.. Tubing, Stl .875 Od X12ga Wall X 2.500	2
... 21		083476	.. Mount, Eng/Gen Nprn .875id X 2.500od X 2.000 60 Dur	2
... 22		135205	.. Nut, 625-11 .94hex .77h Stl Pld Elastic Stop Nut	2
... 23		602159	.. Screw, 312-18x .75 Hexwhd.66d Stl Pld Slffmg Tap-Rw	6
... 24		189142	.. Brushholder, Generator	1
		*190823	.. Brush, Contact Elect .250 X.500 X 1.250 Grd Ay	3
		208469	.. Clip, Spring	3
... 25		602242	.. Washer, Flat .375idx0.875odx.083t Stl Pld Blk	2
... 26		602211	.. Washer, Lock .318idx0.586odx.078t Stl Pld Split.312	2
... 27		604534	.. Screw, 312-18x1.25 Hex Hd-Pln Gr5 Pld	2

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

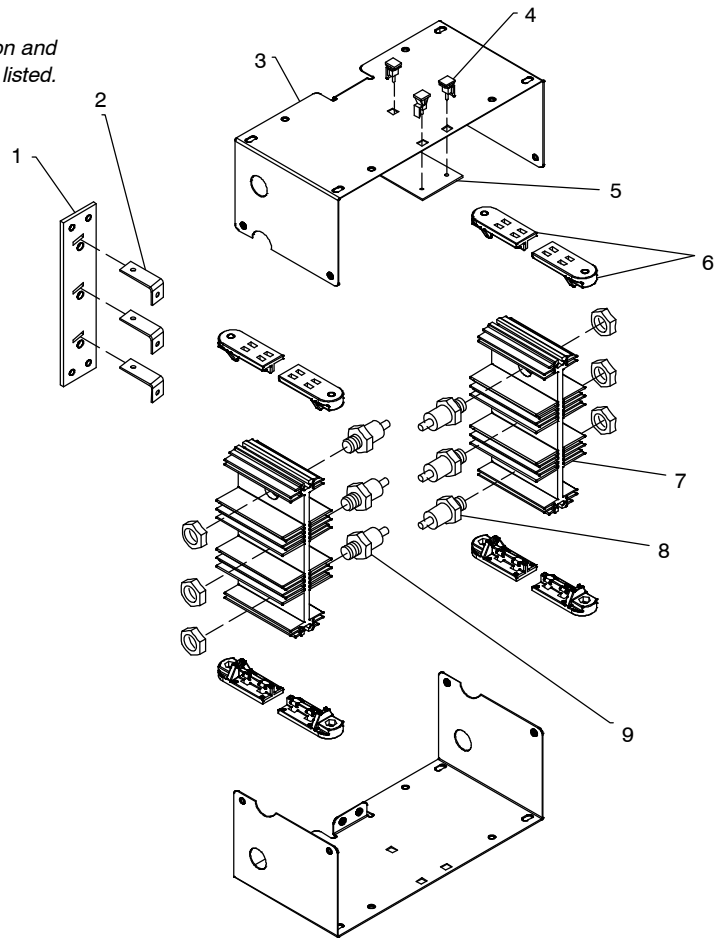
*Recommended Spare Parts.

♦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.

Eff W/Serial No. MG060005E And Following

☞ Hardware is common and not available unless listed.



802 279-A

Figure 14-6. Main Rectifier Assembly

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 14-6. Main Rectifier Assembly (Figure 14-1 Item 89)				
SR3	239784	Rectifier, (Consisting Of)	1	
1	188137	Connection Board, Rectifier Ac	1	
2	188517	Bus Bar, Connection Board	3	
3	188135	Enclosure, Rectifier	2	
4	134201	Stand-Off, Support	3	
5	PC3 269140	Circuit Card Assembly, Protection	1	
6	188136	Insulator, Heat Sink	8	
7	188493	Heat Sink, Rectifier Al	2	
8	D3, D5, D7 245097	Diode, Rect 300A 500V Do-9 (Straight) Modified	3	
9	D2, D4, D6 245096	Diode, Rect 300A 500V Do-9 (Reverse) Modified	3	

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. MG220008E 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				
.....		238763 ..	Harness, Control Box, CC Weld Control (includes) ..	1
..... SR1, SR2 ..		035704 ..	Rectifier, Integ Bridge 40. Amp 800V ..	2
..... D1/C1 ..		189701 ..	Diode/Capacitor Board ..	1
..... RC4 ..		047483 ..	Conn, Rect Univ 084 15p/S 3row Rcpt Cable/Panel Lkg ..	1
CB11, CB12, CB13 ..		139266 ..	Supplementary Protector, Man Reset 1p 15A 250VAC ..	3
..... CR7 ..		188636 ..	Relay, Ocv Control ..	1
.....		148850 ..	Socket, Relay 5 Pin ..	1
..... S6 ..		011622 ..	Switch, Tgl 3pdt 15A 125VAC On–none–on Spd Term ..	1
..... S5 ..		011609 ..	Switch, Tgl Spdt 15A 125VAC On–none–on Spd Term Chr ..	1
.....		211292 ..	Conn, Pack 4p 1row Female ..	1
.....		211293 ..	Conn, Pack Terminal Position Assurance(Lock) ..	1
.....		164617 ..	Clip, Wiring Straight ..	3
..... S2 ..		021467 ..	Switch, Tgl Spst 3a 250V Off–none–(On) Spd Term ..	1
.....		150316 ..	Conn, Rect Univ 039 6p/S 3row Plug Cable Lkg ..	5
..... RC3 ..		158466 ..	Conn, Rect Univ 084 12p/S 3row Rcpt Cable/Panel Lkg ..	1
..... RC1 ..		135133 ..	Conn, Rect Univ 084 9p/S 3row Rcpt Cable/Panel Lkg ..	1
.....		215013 ..	Harness, Weld Control CC (includes) ..	1
..... PLG3 ..		158465 ..	Conn, Rect Univ 084 12p/S 3row Plug Cable Lkg ..	1
.....		187654 ..	Seal, Wire Univ 12p/S 3row ..	1
..... PLG6 ..		114063 ..	Conn, Rect Univ 084 4p/S 1row Plug Cable Lkg ..	1
.....		215659 ..	Harness, Engine Control (includes) ..	1
D10/C10, D11/C11 ..		189701 ..	Diode/Capacitor Board ..	2
..... CB10 ..		190374 ..	Circuit Breaker, Auto Reset 12VDC 40 Amp ..	1
..... CR1 ..		252053 ..	Relay, Encl 12VDC Spst 35A/14VDC 5pin ..	1
.....		148850 ..	Socket, Relay 5 Pin ..	1
..... PLG4 ..		114062 ..	Conn, Rect Univ 084 15p/S 3row Plug Cable Lkg ..	1
.....		212116 ..	Conn, Deutsch 2p 1row Female Plug ..	3
.....		212117 ..	Conn, Deutsch Wedge Lock 2 Position ..	3
..... CR8 ..		197325 ..	Relay, Encl 12VDC Spst 70A 4pin Flange Mtg ..	1
.....		187655 ..	Seal, Wire Univ 15p/S 3row ..	1
.....		192558 ..	Harness, Range Switch (includes) ..	1
..... RC6 ..		148389 ..	Conn,Rect Univ 084 4p/S 1row Rcpt Cable/Panel Lkg ..	1
.....		223132 ..	Harness, Receptacle Auxiliary Power (Export Models) (Includes) ..	1
..... GFCI1 ..		246614 ..	Receptacle, GFCI 15/20A (Prior to MG510536R) ..	1
..... GFCI1 ..		277874 ..	Receptacle, GFCI 15/20A (Filtered) (Eff w/MG510536R) ..	1
..... CB3 ..		139266 ..	Supplementary Protector, Man Reset 1p 15A 250VAC ..	1
.....		190259 ..	Harness, Brushholder (includes) ..	1
..... PLG1 ..		168071 ..	Conn, Rect Univ 084 9p/S 3row Plug Cable Lkg (Service Kit) ..	1
.....		187651 ..	Seal, Wire Univ 9p/S 3row ..	1

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