



PM-262752A

2020-08

Processes



MIG (GMAW) Welding
Flux Cored (FCAW) Welding



Stick (SMAW) Welding



TIG (GTAW) Welding



Air Carbon Arc (CAC-A)
Cutting and Gouging

Description

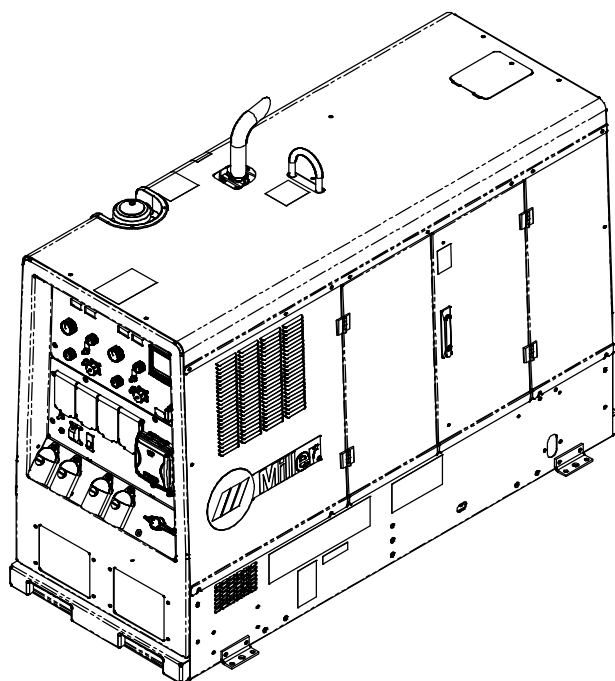


Engine Driven Welder/Generator

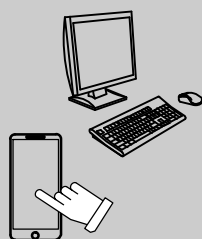
Big Blue[®] 800 Duo Pro

Big Blue[®] 800 Duo Pro SF

Eff w/Serial No. MD200174E Thru MH310356R



PARTS MANUAL



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

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SECTION 1 – PARTS LIST

EFF W/SERIAL NO. MD200174E Thru MH310356R

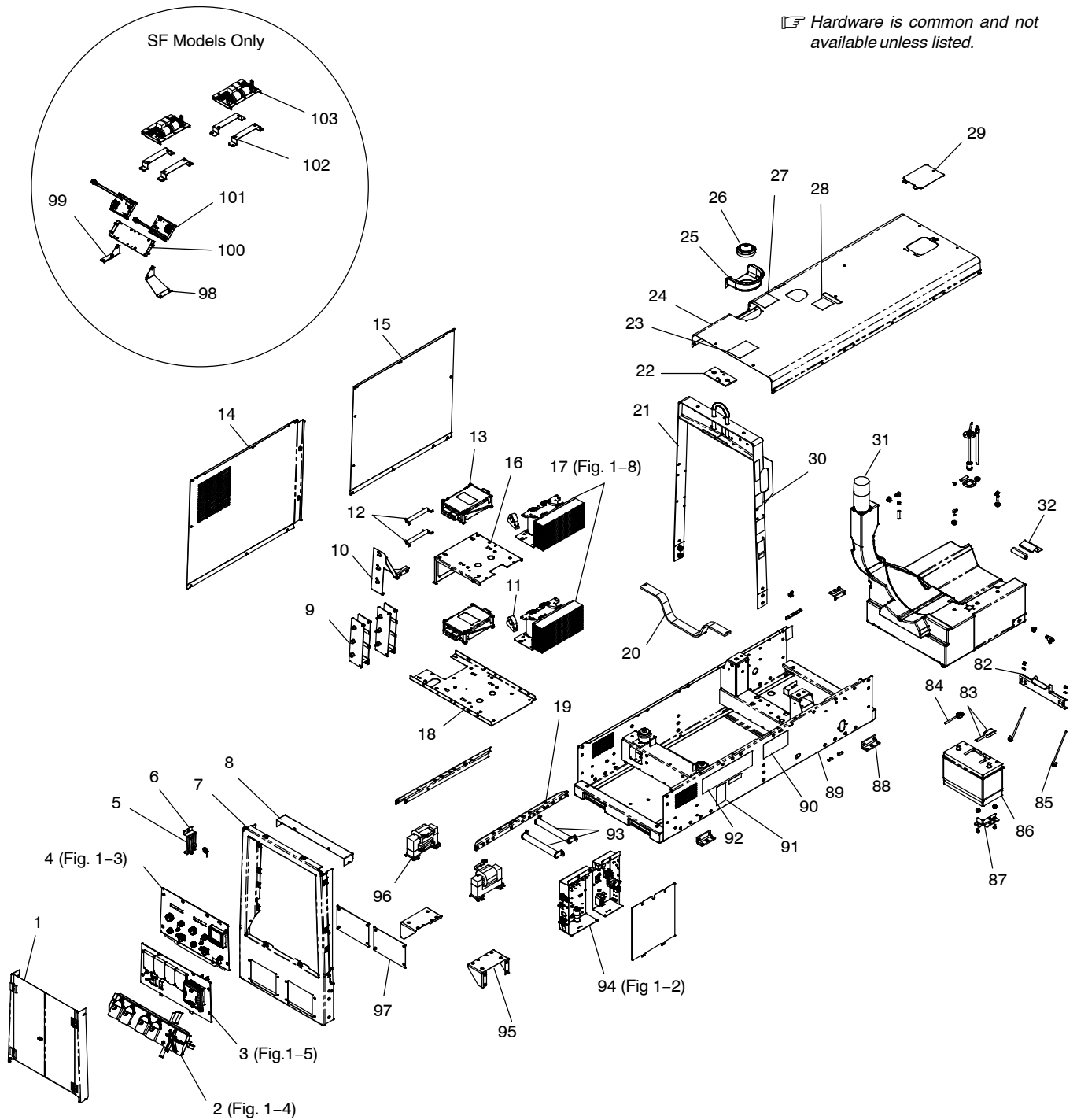
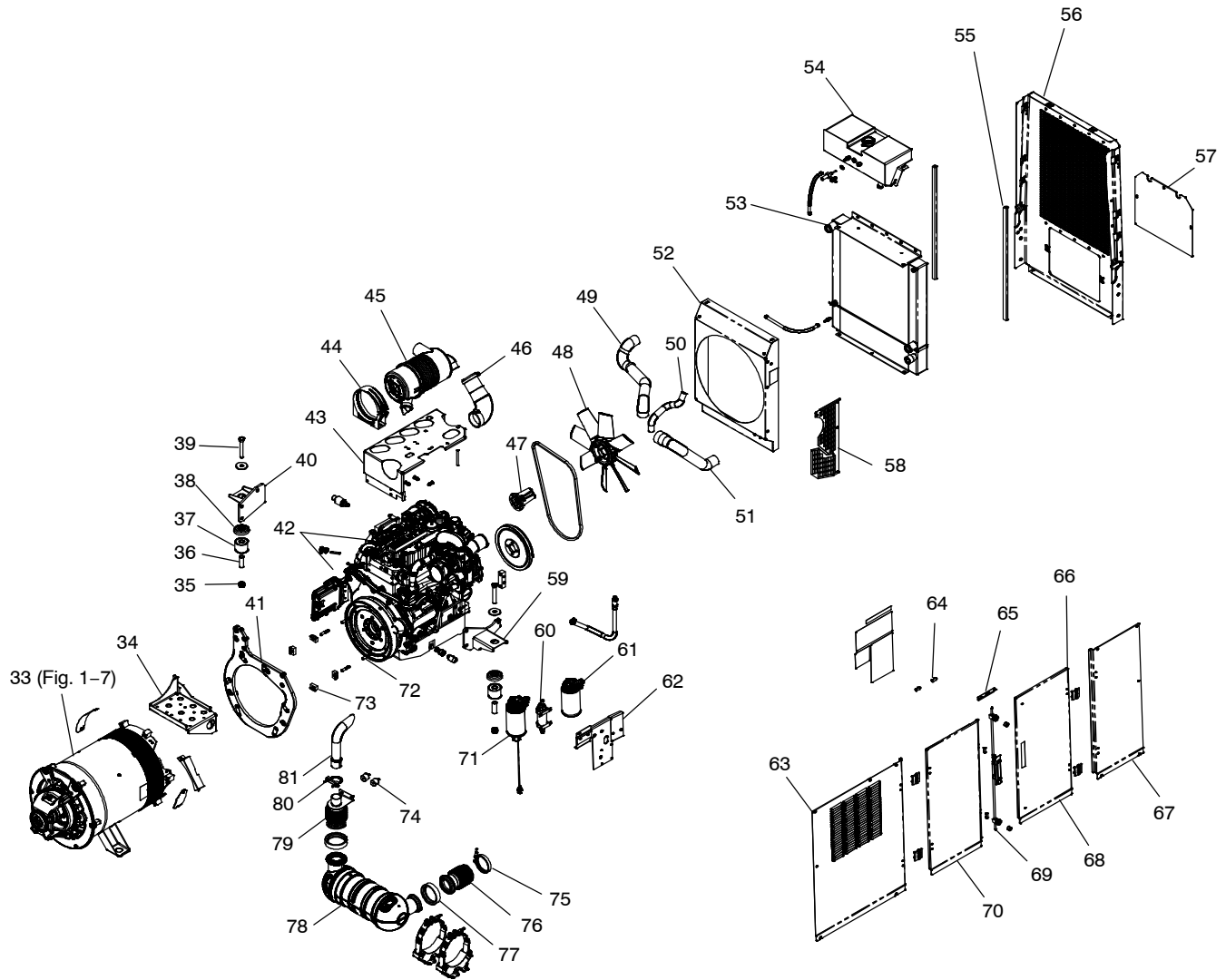


Figure 1-1. Main Assembly



Eff w/Serial No. MD200174E Thru MH310356R

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 1-1. Main Assembly				
1		259269	Kit, Lock-out Vandalism	1
		265249	Mount, Access Lh	1
		265250	Mount, Access Rh	1
		259265	Door, Access Lh	1
		259268	Door, Access Rh W/Om Pocket	1
		259266	Tab, Lockout	1
		189975	Hinge, Door Access 180 Deg	4
		199036	Nut, M06-1.0 Hex 5h Stl Pld Sem Conical Washer	16
		155146	Sponge, Nprn .060 X 1.000 Wide X 4.000 Sce 41 Close	3
		209667	Latch, Paddle W/Lock	1
		176318	Padlock, Master Lock No 3ka 3212 Keyed Alike	1
2			Weld Output Panel see Figure 1-4	1
3			Auxiliary Power Panel see Figure 1-5 or Figure 1-6	1
4			Engine & Weld Control Front Panel see Figure 1-3	1
5	TE1	172661	Block, Stud Connection 6 Position	1
6		252195	Bracket, Mtg Strip Term 6 Pole	1
7		254117	Upright, Front	1
8		191448	Cover, Top Front Upright	1
9	SR6, SR26	248933	Rectifier, Si 3ph 300 Amp 600 Piv	2
10		259039	Bracket, Mtg Rectifier	1
11	HD1, HD21	168829	Transducer, Current 1000A Module Max Open Loop	2
12	R10, R210	188067	Resistor, Ww Fxd 100 W 200 Ohm W/Clips	2
13	PC1, PC21	258544	Module, Main Control/IGBT Gating	2
13	PC1, PC21	268528	Module, Main Control/IGBT Gating (SF Models)	2
14		260581	Panel, Generator Lh	1
15		259533	Panel, Engine Extension Lh	1
16		256489	Bracket, Mtg Vault	1
17			Weld Output Module see Figure 1-8	2
18		256487	Pan, Vault & Capacitors	1
19		206352	Brace, Front To Center Upright	2
20		218086	Bracket, Holddown Fuel Tank	1
21		+255669	Upright, Center Assy	1
		269515	Label, Warning Hot Parts (Prior to MF510042E)	1
		272333	Label, Warning Hot Parts (En/Fr-Sym) (Eff w/MF510042E)	1
		225120	Label, Warning Moving Parts Can Cause Injury (Prior to MF510042E)	1
		272334	Label, Warning Moving Parts (En/Fr-Sym) (Eff w/MF510042E)	1
22		189464	Seal, Weather Lift Eye	1
23		233088	Label, Danger Using A Generator Indoors Can Kill (Prior to MF510042E)	1
23		272340	Label, Danger Using Generator Indoor (En/Fr/Sp-Sym) (Eff w/MF510042E)	1
24		+259206	Cover, Top	1
24		270822	Cover, Top w/ Protective Coating (SF Models)(Consisting Of)	1
		222513	Label, Warning Falling Equipment Can Cause Serious (Prior to MF510042E)	1
		272339	Label, Warning Falling Equipment (En/Fr-Sym) (Eff w/MF510042E)	1
		192041	Label, Use Diesel Fuel Only (Prior to MF510042E)	1
		272338	Label, Use Diesel Fuel Only (En/Fr-Sym) (Eff w/MF510042E thru MH060317R)	1
		227728	Label, Warning Use Diesel Fuel Only (Trilingual) (Eff w/MH060318R)	1
		233088	Label, Danger Using A Generator Indoors Can Kill (Prior to MF510042E)	1
		272340	Label, Danger Using Generator Indoor (En/Fr/Sp-Sym) (Eff w/MF510042E)	1
		269515	Label, Warning Hot Parts (Prior to MF510042E)	1
		272333	Label, Warning Hot Parts (En/Fr-Sym) (Eff w/MF510042E)	1
25		189052	Grommet, Plastic Neck Filler Fuel	1
26		190198	Cap, Tank Screw-on 3.500 In W/Vent W/Lanyard 8"	1

Eff w/Serial No. MD200174E Thru MH310356R

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 1-1. Main Assembly (Continued)				
... 27		192041	Label, Use Diesel Fuel Only (Prior to MF510042E)	1
... 27		272338	Label, Use Diesel Fuel Only (En/Fr-Sym) (Eff w/MF510042E thru MH060317R)	1
... 27		227728	Label, Warning Use Diesel Fuel Only (Trilingual) (Eff w/MH060318R)	1
... 28		222513	Label, Warning Falling Equipment Can Cause Serious (Prior to MF510042E)	1
... 28		272339	Label, Warning Falling Equipment (En/Fr-Sym) (Eff w/MF510042E)	1
... 29		201851	Cover, Radiator Access	1
... 30		269515	Label, Warning Hot Parts (Prior to MF510042E)	1
... 30		272333	Label, Warning Hot Parts (En/Fr-Sym) (Eff w/MF510042E)	1
... 31		254108	Tank, Fuel (Consisting Of)	1
		124253	Bushing, Tank Fuel	3
		189912	Fitting, Stl Barbed Elbow W/.047 In Orf Zinc Pld	1
		189913	Fitting, Stl Barbed Elbow Zinc Pld	1
		259536	Bushing, Tank Fuel	1
		259499	Ftg, Stand Pipe Hose .500 X 9.265 Lg 90 Deg Zinc	1
		084173	Clamp, Hose .460 - .545 Clp Dia Slftng	1
		190142	Sender, Fuel Gauge 9.7500 Deep Tank	1
		189910	Fitting, Stand Pipe Hose .3125 X 9.260 Lg 90deg Zinc	1
		181572	Bushing, Tank Fuel	1
		189908	Valve, Drain Fuel 180deg	1
... 32		196220	Bracket, Holddown Fuel Tank Rear	1
... 33			Generator see Figure 1-7	
... 34		258901	Bracket, Mtg DOC	1
... 35		135205	Nut, 625-11 .94hex .76h Stl Pld Elastic Stop Nut	2
... 36		071730	Tubing, Stl .875 Od X 12ga Wall X 2.500	2
... 37		083476	Mount, Eng/Gen Nprn .875 Id X 2.500 Od X 2.000	2
... 38		071890	Retainer, Mount Eng/Gen	2
		071731	Washer, Flat .656 Id X 2.250 Od X .187t Stl Pld	2
... 39		199849	Screw, 625-11 X 4.00hexhd Pln Gr 5 Pld	2
... 40		253933	Bracket, Mtg Engine Lh	1
... 41		253827	Adapter, Engine Deutz 2.9l	1
... 42		256692	Engine, Deutz Dsl Elec Td 2.9l 4	1
		*067265	Oil Filter	1
		199507	Hose, Oil Drain Assy 20 In (Consisting Of)	1
		165271	Valve, Oil Drain 3/8-18nptf	1
		176529	Fitting, Hose Brs Barbed Fem 1/2tbg X 3/8npt	1
		113854	Hose, Sae .500 Id X .780 Od Xc Oil (Order By Ft)	2ft
		176528	Fitting, Hose Brs Barbed Elbow Fem 1/2 Tbg X 1/2 Npt	1
		173336	Fitting, Adapter Oil Drain	1
			Washer, Oil Drain (Available Through Engine Manufacturer)	1
		259883	Heater,Block Engine 120V 530W	1
... 43		262754	Bracket, Mtg Air Cleaner	1
... 44		189763	Bracket, Mtg Air Cleaner	1
... 45		255768	Air Cleaner, Intake (Engine)	1
		*192938	Filter, Air Element Primary	1
		◆192939	Filter, Air Element Safety	1
... 46		254977	Hose, Air Cleaner	1
... 47		258537	Adapter, Fan	1
... 48		207203	Fan, Engine Cooling 18.000 8 Blade Suction	1
... 49		255666	Hose, Radiator Upper Deutz (2013 2.9 Liter)	1
... 50		260285	Hose, Rbr .875 Id (Water Pump To Expansion Tank)	1
... 51		255667	Hose, Radiator Lower Deutz (2013 2.9 Liter)	1
... 52		+259649	Shroud, Fan	1
		225120	Label, Warning Moving Parts Can Cause Injury (Prior to MF510042E)	1
		272334	Label, Warning Moving Parts (En/Fr-Sym) (Eff w/MF510042E)	1
... 53		259648	Radiator/Oil Cooler 3 Row Core 1.500 In/Outlet	1
... 54		255549	Tank, Radiator Expansion	1

Eff w/Serial No. MD200174E Thru MH310356R

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 1-1. Main Assembly (Continued)				
.....		261866	Sensor, Coolant Level Monitor	1
.....		243038	Washer, Seal Oil Cu .560 Id X .840 Od X .042 T	1
.....		173818	Ftg, Hose Brs Barbed Elbow M 1/4 Tbg X 1/4 Npt	1
55		260226	Extrusion, Rubber W/Adhesive .750 X .750 X 27.000	2
56		254275	Upright, Rear Radiator	1
57		+201183	Cover, Battery Access	1
.....		168385	Label, Warning Battery Explosion Can Blind (Prior to MF510042E)	1
.....		272341	Label, Warning Battery Explosion (En/Fr-Sym) (Eff w/MF510042E)	1
.....		225120	Label, Warning Moving Parts Can Cause Injury (Prior to MF510042E) ..	1
.....		272334	Label, Warning Moving Parts (En/Fr-Sym) (Eff w/MF510042E)	1
58		255756	Guard, Fan Rh	1
59		253934	Bracket, Mtg Engine Rh	1
60		255767	Pump, Fuel (D2013 2.9l)	1
61		*255765	Filter, Fuel Secondary (D2013 2.9l)	1
62		+259335	Bracket, Mtg Fuel Filters/Pump	1
.....		272555	Label, Notice Drain Water From Fuel Filter (En/Fr) (Eff w/MF510042E) .	1
63		262948	Panel, Generator Rh	1
.....		217698	Label, Help Codes	1
.....		257145	Label, Suggested Arc Control Settings	2
.....		203260	Label, Caution Do Not Use Ether (Prior to MF510042E)	1
.....		272332	Label, Notice Do Not Use Ether (En/Fr-Sym) (Eff w/MF510042E thru MH060317R)	1
.....		227731	Label, Caution Do Not Use Ether (Trilingual) (Eff w/MH060318R)	1
.....		260007	Label, Maintenance Deutz D2.9l4/Td2.9l4	1
.....		259890	Channel, Stiffen Engine Access	1
64		191626	Bumper, Door Access Engine	6
65		261785	Bracket, Retainer Rod	1
66		189975	Hinge, Door Access 180 Deg	4
67		258906	Panel, Engine Rh	1
68		258905	Door, Engine Access Rh	1
69		262502	Latch Assy, Swinghandle Sealed W/Lock & Rods	1
70		+258657	Door, Engine Access Lh	1
71		*255764	Filter, Fuel Pre (D2013 2.9l)	1
72		259997	Stud, Stl M10-1.5 X 52mm Gr8.8	4
73		259855	Block, Mtg Rotor	4
74		256251	Mount, Vibration	2
75			Clamp, V Band (Order from engine manufacturer)	1
76		254724	Pipe, Exhaust Bellows Flex	1
77			Clamp, V Band (2 Sets) (Order from engine manufacturer)	2
78			DOC (Order from engine manufacturer)	1
79		261816	Reducer, Exhaust Flex 3 In Marmon To 1-7/8 St	1
80		010875	Clamp, Muffler 2.000 Dia U Pld	1
81		105734	Pipe, Exhaust Elbow 1.750 Od	1
82		264794	Bracket, Battery Holddown (Prior to ME020269E)	1
82		266385	Bracket, Battery Holddown (Eff w/ME020269E)	1
83		264020	Cable, Bat Pos 45" No 1 Awg/8ga Aux W/Clamp & .400	1
84		190206	Cable, Bat Neg 42.000 No 1 Awg W/Clamp & .400 Rng	1
85		201006	Bolt, J Stl .312-18 X 8.500 Pld	2
.....		208041	Spacer, Stl .323 Id X .625 Od X .141 Thk (Eff w/ME020269E)	2
86			Battery, Stor 12v 928 Crk 198 Rsv Gp 31 Maint Free	1
87		261907	Bracket, Battery Locator	1
88		191897	Bracket, Mtg Unit	4
89		+259182	Base	1
90		224266	Label, Warning Do Not Weld On Base (Prior to MF510042E)	2
90		272342	Label, Warning Do Not Weld On Base (En/Fr-Sym) (Eff w/MF510042E) ..	2
91			Label, Rating Label (Order By Model & Serial No.)	1
92		233953	Label, Warning General Precautionary Csa (Prior to MF510042E)	1
92		272343	Label, Warning General Precautionary (En/Fr-Sym) (Eff w/MF510042E) ..	2

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

... 93 ...	R3, R8 ...	189699 ..	Resistor,Ww Tap 375 W 10 Ohm W/Mtg Bkt	1
... 94			Control Box Assembly see Figure 1-2	1
... 95		248940 ..	Bracket,Mtg Stabilizer	2
... 96 ...	Z1, Z21 ...	249772 ..	Stabilizer	2
... 97		207096 ..	Cover, Box Front Upright	2
... ..	CT1	105370 ..	Xfmr, Current	1
... 98		270187 ..	Bracket, Support Rh Wcc Interface Potted Assy's (SF Models)	1
... 99		270186 ..	Bracket, Support Lh Wcc Interface Potted Assy's (SF Models)	1
... 100		270185 ..	Bracket, Mtg Wcc Interface Potted Assys (SF Models)	1
.. 101 PC3, PC23 ..		266810 ..	Circuit Card Assy, Wcc Interface Potted (SF Models)	2
.. 102		270216 ..	Bracket, Mtg Wcc Filter Network Potted Assy (SF Models)	4
.. 103		269559 ..	Circuit Card Assy, Wcc Filter Network Potted (SF Models)	2

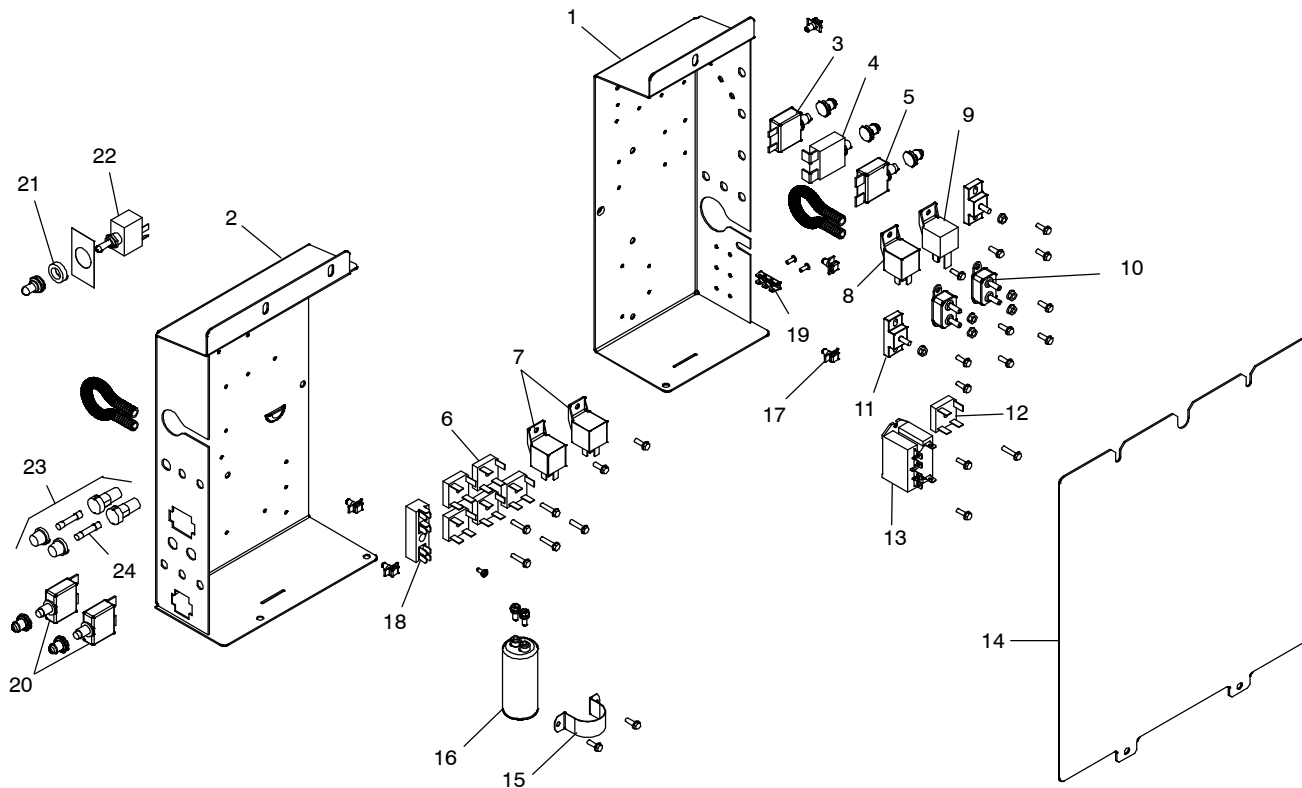
◆OPTIONAL

*Recommended Spare Parts.

+ 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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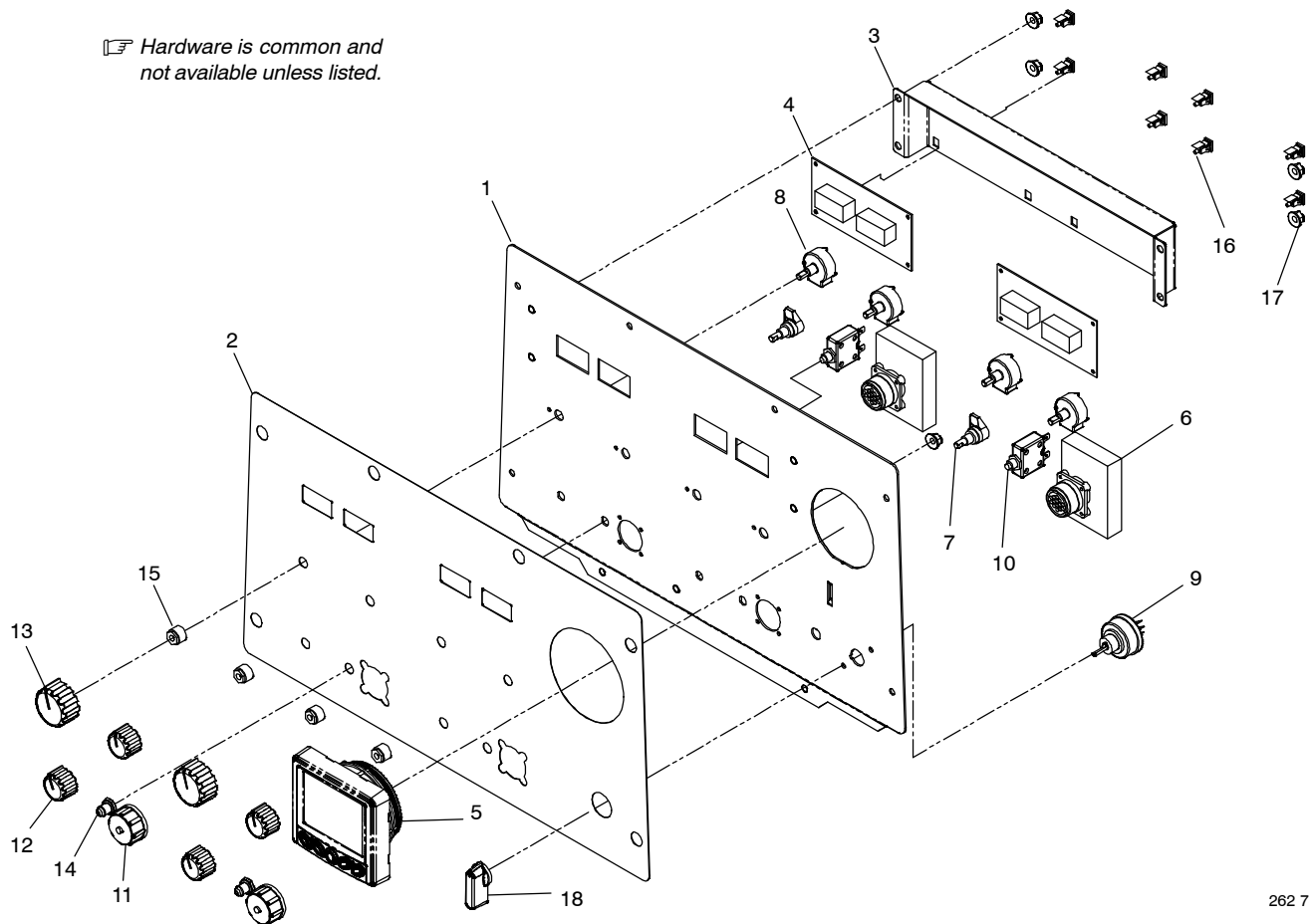
Figure 1-2. Control Box Assembly

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 1-2. Control Box Assembly (Figure 1-1 Item 94)				
... 1		258576	.. Control Box, Rh	1
... 2		258577	.. Control Box, Lh	1
... 3	CB11	093997	.. Supplementary Protector, Man Reset 1p 30A 250VAC	1
... 4	CB12	093996	.. Supplementary Pro, Man Reset 1p 20A 250VAC Frict	1
... 5	CB2	139266	.. Supplementary Protector, Man Reset 1p 15A 250VAC	1
... 6	SR1-SR4,SR23	035704	.. Rectifier, Integ Bridge 40. Amp 800V	5
... 7	CR4,CR24	173069	.. Relay, Encl 12VDC Spdt 30A/20A 5pin Flange Mtg	2
... 8	CR1, CR3	258445	.. Relay, Encl 12VDC Spdt 50A/14VDC W/Diode 5pin (Prior to MG130030E)	2
... 8	CR3	258445	.. Relay, Encl 12VDC Spdt 50A/14VDC W/Diode 5pin (Eff w/MG130030E)	1
... 9	CR8	258446	.. Relay, Encl 12VDC Spst 70A/14VDC W/Diode 4pin	1
... 10	CB10,CB13	190374	.. Circuit Breaker, Auto Reset 12VDC 40 Amp	2
... 11	TE3, TE4	072253	.. Stud, Connection Single 10-32 X .500 X 1.250 Mtg	2
... 12	SR5	035704	.. Rectifier, Integ Bridge 40. Amp 800V	1
... 13	CR5	223710	.. Relay, Encl 12VDC Dpst-No 25A 6pin Flange	1
... 14		258582	.. Cover, Control Box	1
... 15		177136	.. Clamp, Capacitor 1.375 Dia	1
... 16	C6	087110	.. Capacitor, Elctlt 240 uF 200 VDC Can 1.39 Di	1
... 17		204737	.. Cable Tie Mount, Winged Push	5
... 18	TE2	190210	.. Block, Term 5-3-3	1
... 19		129524	.. Term, Frict 250x032 Uninsul Male .130 Stud Mtg 3pr	1
... 20	CB3-CB4	139266	.. Supplementary Protector, Man Reset 1p 15A 250VAC	2
... 21		202209	.. Spacer, Nylon .805 Od X .510 Id X .220 Lg	1
... 22	S5	028111	.. Switch, Tgl Dpst 20A 250V Spd Term	1
...		021385	.. Boot, Toggle Switch Lever	1
...		258549	.. Label, Vrd On/Off	1
... 23	F1-F2	256852	.. Holder, Fuse Mintr W/10A Slo-Blo Fuse	2
... 24		*085874	.. Fuse, Mintr Cer Slo-blo 10. Amp 250 Volt	2
...	R4	273604	.. Resistor Assy (Part Of Weld Harness)	1

*Recommended Spare Parts.

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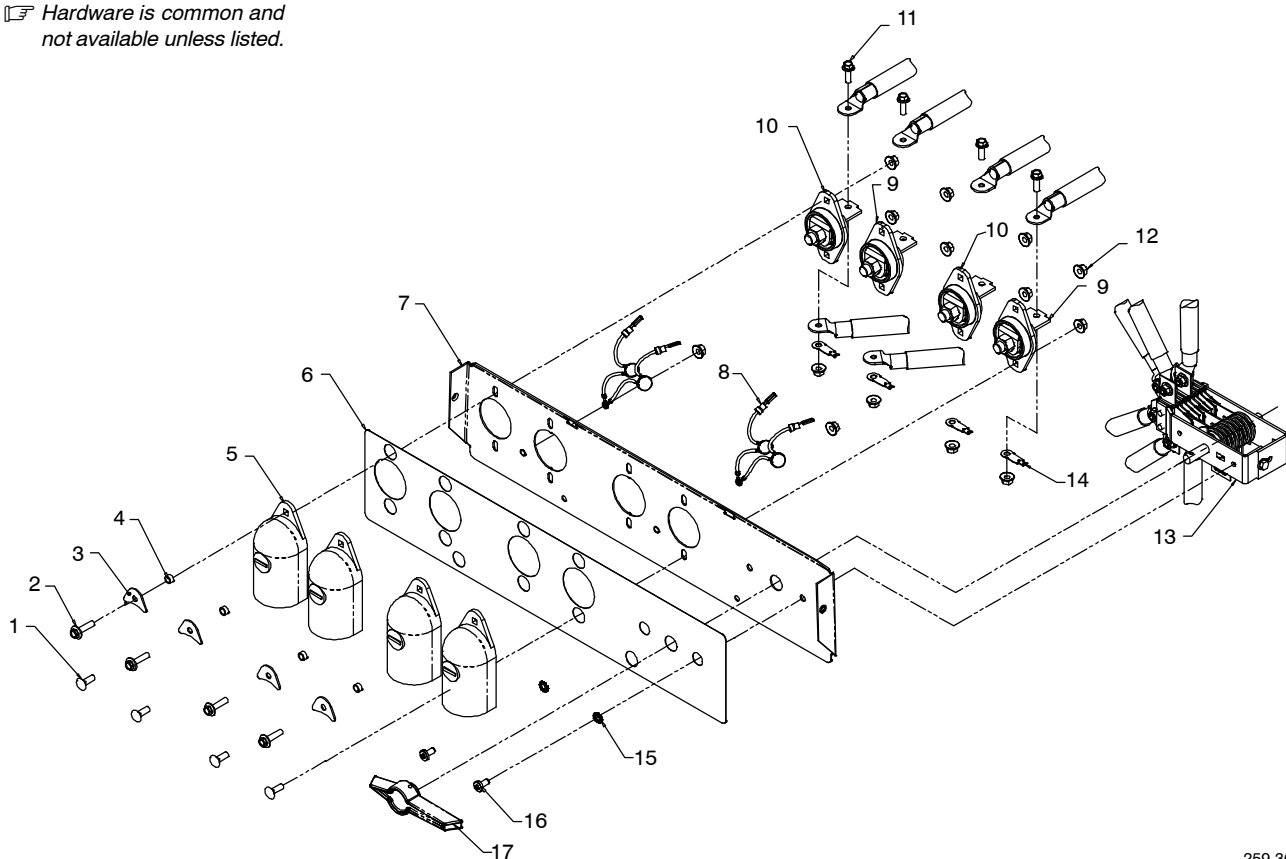
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Figure 1-3. Panel, Front Engine & Weld Controls

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 1-3. Panel, Front Engine & Weld Controls (Figure 1-1, Item 4)				
1		258684	Panel, Engine/Weld Control	1
2			Label, Nameplate (Order By Model & Serial Number)	1
3		258683	Enclosure, Dual Circuit Card Assy	1
4	PC2,PC22	251527	Circuit Card Assy, Display W/Program	2
5	DISPLAY	256689	Display, LCD Alphanumeric Engine	1
6	PC5,PC25	242263	Circuit Card Assy, Connector/Receptacle (R)	2
7	R1,R21	246961	Switch, Rotary 8 Posn 1p 200ma 28vdc W/Resistors	2
8	R2,R5,R22,R25	193118	Pot, Cp Flat 1t 2. W 1k Ohm Linear	4
9	S1	217680	Switch, Ignition 4 Position W/Out Handle	1
10	CB9,CB29	083432	Supplementary Pro, Man Reset 1p 10A 250VAC Frict	2
11		170391	Conn, Circ Ms Protective Cap Size 20 Nylon	2
12		218764	Knob, Pointer 1.625 Dia	2
13		207080	Knob, Pointer 1.125 Dia	4
14		190323	Boot, Circuit Breaker Clear Hex Nut	2
15		072590	Lock, Shaft Pot .375-32 X .250 Dia Shaft Tall	4
		242579	Screw, K40x 10 Pan Hd-Phl Stl Pld Pt Thread Forming	8
16		134201	Stand-Off Support, Pc Card .312/.375w/Post&Lock .43	8
17		152461	Nut, 250-20 .44hex .23h Stl Pld Sem Cone Wshr.65d	5
18		207073	Lever, Ignition Switch	1
		201244	Washer, Tooth.728idx1.166odx.050t Stl Pld Int.688	1
		270453	Label, Warning Read Owner's Manual Wordless (Eff w/MF510042E)	1

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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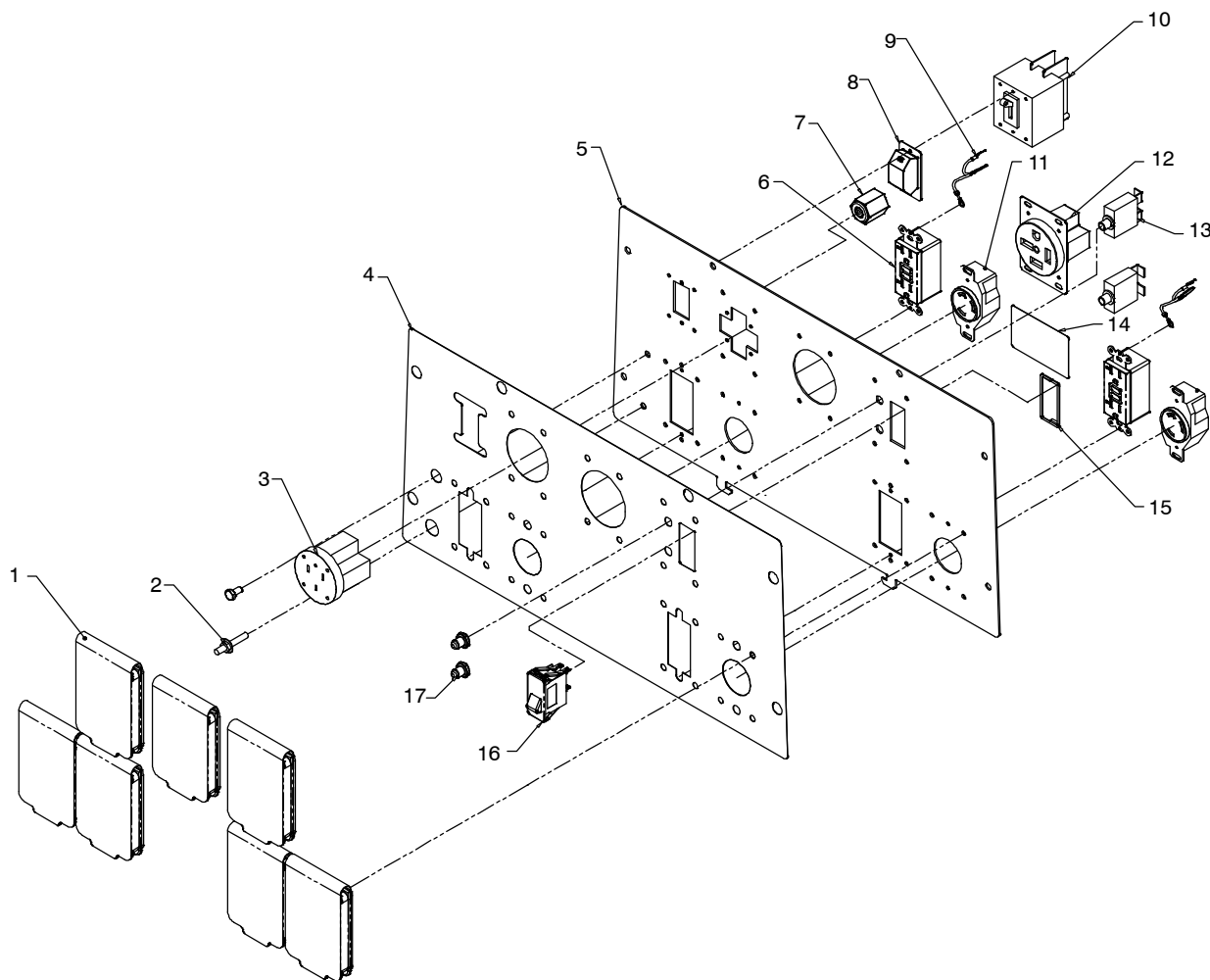


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Figure 1-4. Panel, Weld Output

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 1-4. Panel, Weld Output (Figure 1-1, Item 2)				
1		005107	Bolt, Crg Stl .250-20 X .750 Gr5 Pld	4
2		108941	Screw, 250-20x1.00 Hexwhd.61d Gr5 Pld	4
3		180735	Washer, Output Stud	4
4		181169	Spacer, Output Stud	4
5		186621	Boot, Generic Output Stud	4
6		258836	Label, Output Panel W/Parallel Airpak	1
7		258685	Panel, Mtg Terminal Power Output	1
8	C4, 5, 24, 25	128750	Capacitor, Cer Disc .1 uF 500 VDC W/Terms (Not Used In SF Mod)	4
9		241433	Terminal, Pwr Output Black	2
10		241432	Terminal, Pwr Output Red	2
11		108940	Screw, 250-20x .75 Hexwhd.61d Gr5 Pld	4
12		152461	Nut, 250-20 .44hex .23h Stl Pld Sem Cone Wshr.65d	14
13	S3	259356	Switch, Paralleling W/Leads (Std Models)	1
13	S3	270729	Switch, Paralleling W/Leads (SF Models)	1
14		010381	Connector, Rectifier	4
15		602208	Washer, Tooth.256idx0.510odx.028t Stl Pld Ext.250 A	2
16		189445	Screw, 250-20x .50 Pan Hd-Phl Stl Pld	2
17		230339	Switch Handle W/Pin	1

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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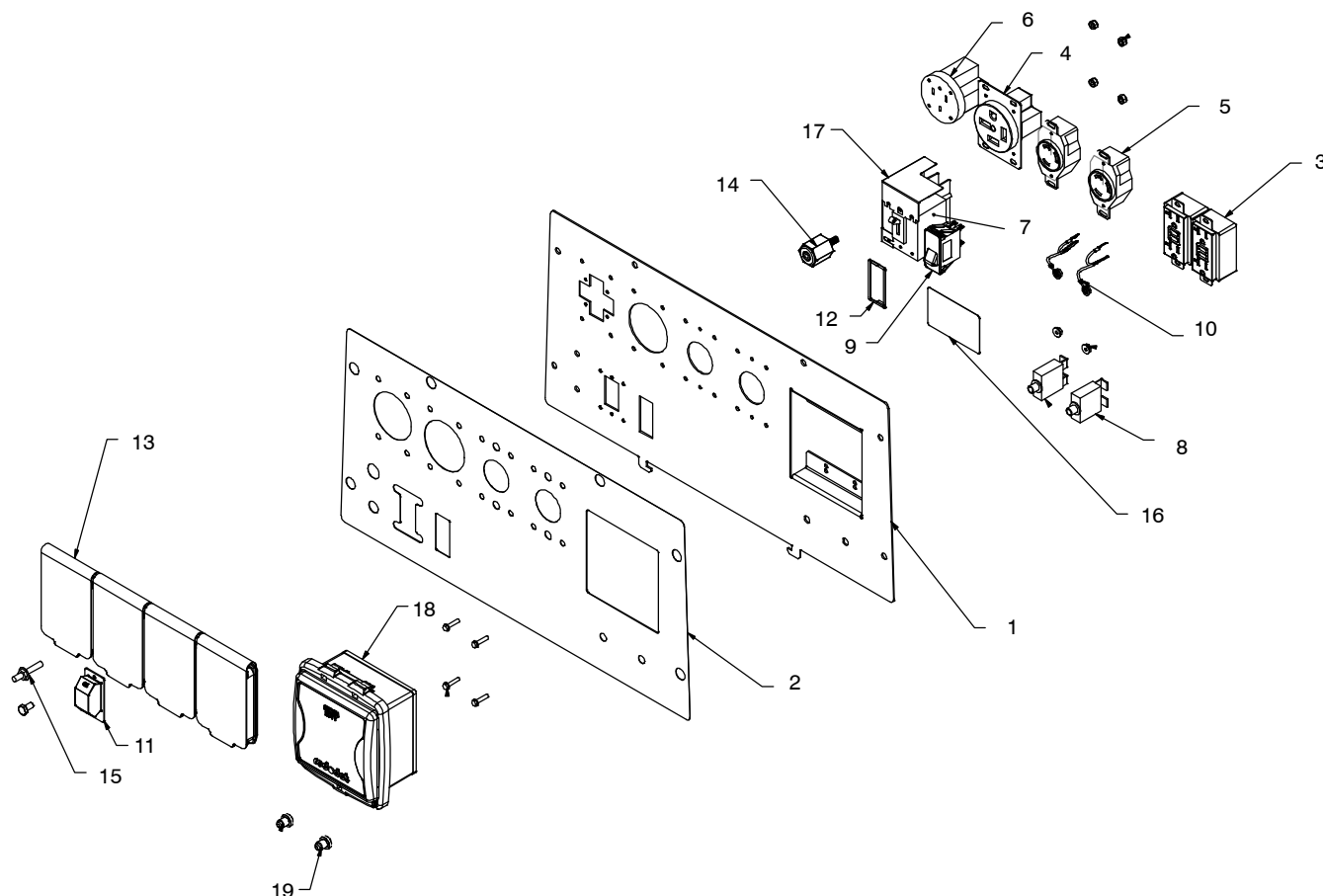
Figure 1-5. Panel, Auxiliary Power North America Prior To Serial No. ME260126E

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
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Figure 1-5. Panel, Auxiliary Power North America (Figure 1-1, Item 3)

...	1	209056	.. Cover, Receptacle W/Gasket	7
...	2	197203	.. Grounding Stud Assy, Brass	1
...	3	RC5	182954 .. Rcpt, Str 3p4w 50A 125/250V Flush Mtg *14-50	1
...	4	259528	.. Label, Auxiliary Power Panel	1
...	5	248894	.. Panel, Aux Power	1
...	6	GFCI1, 2	246865 .. Rcpt, Str Dx Grd 2p3w 20a 125v *5-20r Gfi	2
...	7	025248	.. Stand-off, Insul .250-20 X 1.250 Lg X .437 Thd	1
...	8	214927	.. Boot, Circuit Breaker 1 Pole	1
...	9	C1-C2	217054 .. Capacitor, Cer Disc .0047 uF 3000 VDC W/Terms	2
...	10	CB1	214926 .. Supplementary Protector, Man Reset 3p 50A 250VAC	1
...	11	RC1, RC2	147632 .. Receptacle, Tw Lk Grd 2p3w 30A 250V L6-30r	2
...	12	RC4	254094 .. Rcpt, Str 3p4w 50A 250V Flush Mtg	1
...	13	CB7, CB8	093996 .. Supplementary Pro, Man Reset 1p 20A 250VAC Frict	2
...	14	190861	.. Label, Warning Electric Shock And Moving Parts Etc	1
...	15	201553	.. Clip, Retaining Circuit Breaker	1
...	16	CB6	201083 .. Supplementary Protector, Man Reset 2p 20A 250VAC	1
...	17	190323	.. Boot, Circuit Breaker Clear Hex Nut	1

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.



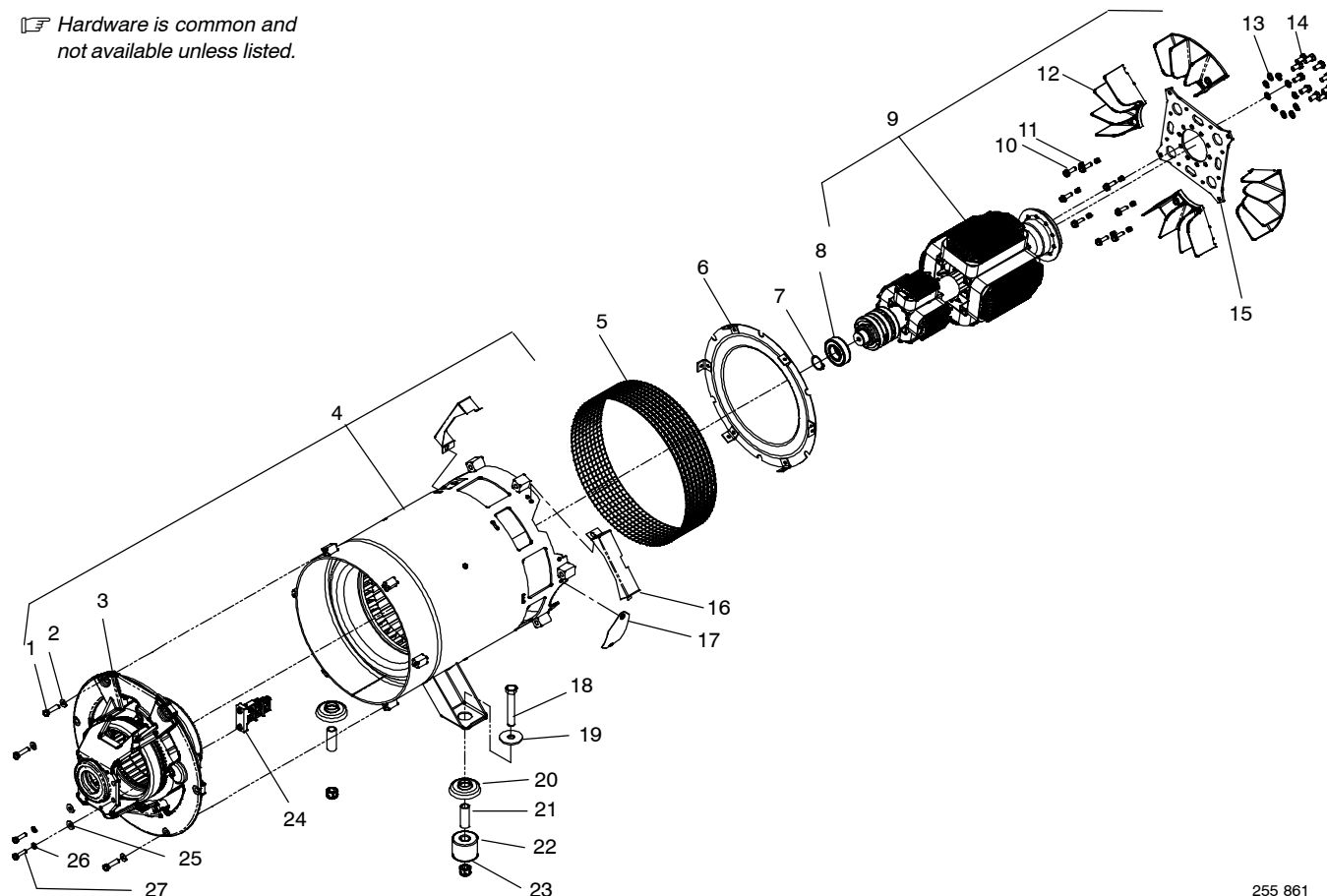
271 860-A

Figure 1-6. Panel, Auxiliary Power North America Eff w/Serial No. ME260126E

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 1-6. Panel, Auxiliary Power North America (Figure 1-1, Item 3)				
1		271859	Panel, Aux Power	1
2		271858	Label, Aux Power W/In Use Cover (Bw)	1
3		GFCI1-GFCI2 246614	Receptacle, GFCI 15/20A (Prior to MG510536R)	2
3		GFCI1-GFCI2 277874	Receptacle, GFCI 15/20A (Filtered) (Eff w/ MG510536R)	2
4		RC4 254094	Rcpt, Str 3p4w 50A 250V Flush Mtg	1
5		RC1-RC2 147632	Rcpt, Tw Lk Grd 2p3w 30A 250V *L6-30r	2
6		RC5 182954	Rcpt, Str 3p4w 50A 125/250V Flush Mtg *14-50	1
7		CB1 214926	Supplementary Protector, Man Reset 3p 50A 250VAC	1
8		CB7-CB8 093996	Supplementary Pro, Man Reset 1p 20A 250VAC Frict	2
9		CB6 201083	Supplementary Protector, Man Reset 2p 20A 250VAC	1
10		C1-C2 217054	Capacitor, Cer Disc .0047 uF 3000 VDC W/Terms	2
11		214927	Boot, Circuit Breaker 1 Pole	1
12		201553	Clip, Retaining Circuit Breaker	1
13		209056	Cover, Receptacle W/Gasket	4
14		207560	Insulator, Stand-Off With Stud	1
15		197203	Grounding Stud Assy, Brass	1
16		272330	Label, Warning Electric Shock/Moving Parts (Sym)	1
17		263778	Guard, Supplementary Protector	1
18		263905	Cover, Receptacle Weatherproof Duplex Dual	1
19		190323	Boot, Circuit Breaker	2

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.



255 861

Figure 1-7. Generator

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
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Figure 1-7. Generator (Figure 1-1, Item 33)

...	1	132053	.. Screw, 375-16x1.50 Hex Hd-Pln Gr5 Pld Blk	6
...	2	183387	.. Washer, Cone .380idx .860odx.109t Stl Pld 4000lbs	6
...	3	270955	.. Endbell, W/Exciter Stator	1
...		257974	.. Kit, Endbell w/O-ring (Includes)	
...		203635	.. Endbell, Gen	1
...		143220	.. O-Ring, 2.859 Id X .139 Cs 70 Duro Viton	1
...		270956	.. 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
...		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	+260669	.. 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-Pln 8.8 Pld	6
...	7	024617	.. Ring, Rtnng Ext 1.375 Shaft X .050 Thk	1
...	8	053390	.. Bearing, Ball Rdl Sgl Row 1.370 X 2.830 X .6	1
...	9	251855	.. 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

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 1-7. Generator (Continued)				
... 14		049026	.. Screw, M10-1.5x 25 Hex Hd-Pln 8.8 Pln	10
... 15		210332	.. Plate, Flex Hubmount	1
... 16		191577	.. Guard, Starter Deutz	2
... 17		191579	.. 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.

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.

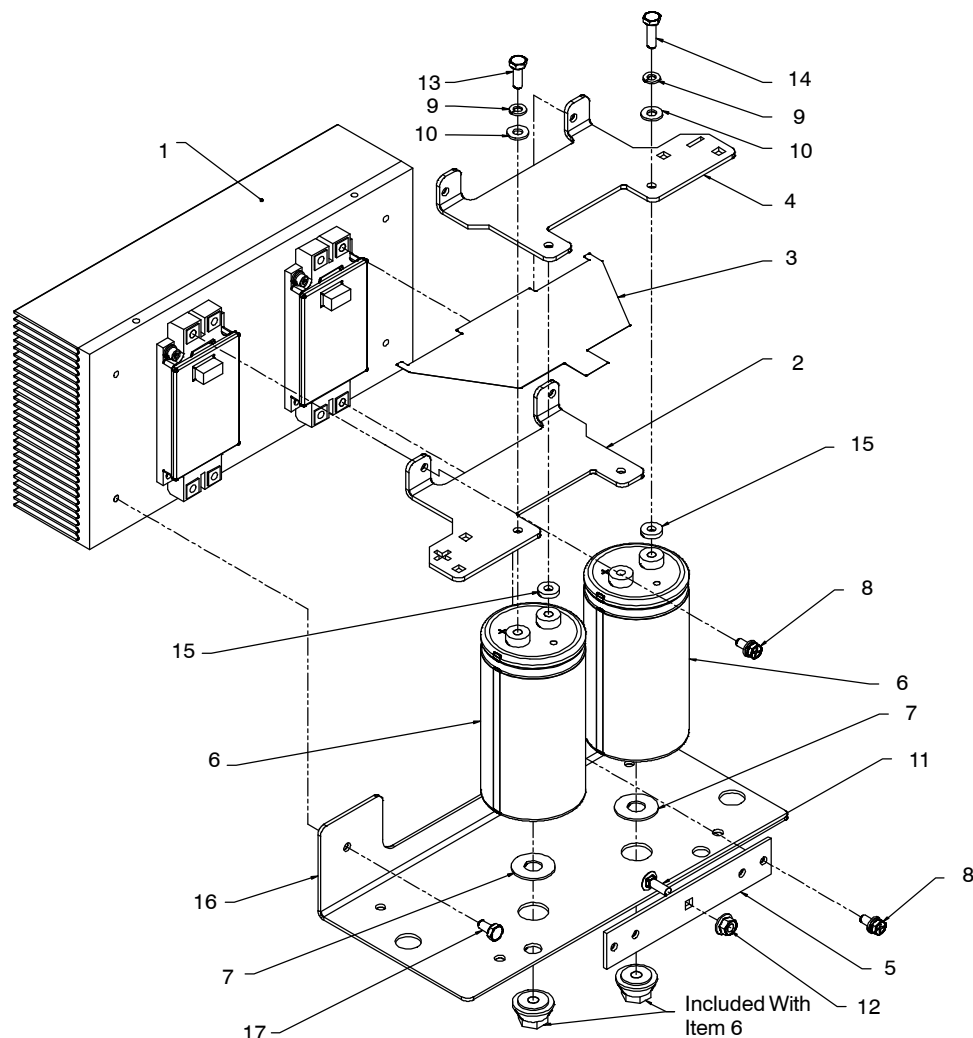


Figure 1-8. Weld Output Module

252 915-D

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 1-8. Weld Output Module (Figure 1-1, Item 17)				
1		247407	Heat Sink Assy, IGBT	1
2		250350	Bus Bar, Positive	1
3		250323	Insulator, Bus Bar	1
4		250348	Bus Bar, Negative	1
5		245378	Buss Bar, AC	1
6		246841	Capacitor, Elctlt 35000 uF 100 VDC Can 3.00 Dia	2
7		239547	Washer, Flat Nylon .516 Id X 1.250 Od X .062 Thk	2
8		202853	Screw, M 6-1.0x 14 Hex Hd-Pln Stl Pld Sems	8
9		602207	Washer, Lock .255idx0.489odx.062t Stl Pld Split.250	4
10		227186	Washer, Flat .254idx0.468odx.090t Stl Zc Cl	4
11		217283	Bolt, Crg Stl .250-20 X .750 Gr5 Pld	1
12		152461	Nut, 250-20 .44hex .23h Stl Pld Sem Cone Wshr.65d	1
13		223039	Screw, 250-28x .75 Hex Hd-Pln Stl Gr5 Pld Zinc Blk	2
14		223040	Screw, 250-28x .87 Hex Hd-Pln Stl Gr5 Pld Zinc Clr	2
15		247093	Stand-Off, Conductive Bus	2
16		250346	Bracket, Mtg Capacitors	1
17		602154	Screw, 250-20x .50 Hexwhd.50d Stl Pld Slffmg Tap-Rw	2

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. MD200174E Thru MH310356R

 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				
.....		258579 ..	Harness, Engine Deutz (Includes)	1
.....		258962 ..	Lead Assy, Elect W/Resistor & Splices	1
.....		258958 ..	Lead Assy, Twisted Pair W/Resistor	1
.....		258113 ..	Cable, Interconnecting 3 Ft 6.000 In	2
.....	PLG12 ..	215261 ..	Conn, Deutsch 12p 2row Female Plug	1
.....	PLG4 ..	238028 ..	Conn, Deutsch 6p 2row Female Plug	1
.....	PLG409 ..	177859 ..	Conn, Body 5 Terminal	1
.....	PLG13-PLG16	148850 ..	Socket, Relay 5 Pin	4
.....	PLG400 ..	258798 ..	Conn, Rect Quadlok Rcpt 94 Pos R Ang	1
.....	PLG400_1 ..	258809 ..	Conn, Rect Quadlok Cover 94 Posn	1
.....	PLG400_2 ..	258807 ..	Conn, Rect Quadlok Retainer Large 94 Posn	1
.....	PLG400_3 ..	258808 ..	Conn, Rect Quadlok Retainer Small 94 Posn	1
.....	PLG400_4,PLG401_5	258803 ..	Plug, Cavity	83
.....	PLG400_5,PLG401_4	258804 ..	Plug, Cavity	12
.....	PLG400_6 ..	258811 ..	Seal, Plug Single Wire	6
.....	PLG401 ..	258794 ..	Conn, Rect Quadlok Rcpt 60 Pos R Ang	1
.....	PLG401_1 ..	258802 ..	Conn, Rect Quadlok Cover 60 Posn	1
.....	PLG401_2 ..	258805 ..	Conn, Rect Quadlok Lever 60/94 Posn	2
.....	PLG401_3 ..	258806 ..	Conn, Rect Quadlok Retainer 60 Posn	1
.....	PLG402 ..	258716 ..	Conn, Rect Mcp 62 Pos 1.5k/2.8mm Ra	1
.....	PLG402_1 ..	258721 ..	Conn, Rect Mcp Cover 62 Posn	1
.....	PLG402_3 ..	240071 ..	Plug, Cavity 2.5mm Din72585	4
.....	PLG402_2,PLG403_2,			
.....	PLG405_2,PLG408_3	258720 ..	Plug, Cavity 3.6mm	25
.....	PLG402_4 ..	240074 ..	Seal, Plug Single Wire (5mm Hole)	12
.....	PLG402_5 ..	258719 ..	Seal, Plug Single Wire	24
.....	PLG403,PLG405 ..	258701 ..	Conn, Circ Cpc 4skt Plug Cable Pushin Din72585	2
.....	PLG403_1,PLG405_1	258708 ..	Seal, Plug Single Wire (2.5mm Hole) Din72585	6
.....	PLG404 ..	240077 ..	Connector, Housing 2p Junior-Timer Geh	1
.....	PLG406 ..	240098 ..	Connector, Housing	1
.....	PLG406_1 ..	240099 ..	Cap, Plug	1
.....	PLG406_2 ..	240100 ..	Clamp, Cable	1
.....	PLG407 ..	258709 ..	Conn, Rect Ng1 2pos Plug Cable	1
.....	PLG407_1 ..	258715 ..	Seal, Plug Single Wire (8mm Hole) Ng1	2
.....	PLG408 ..	258722 ..	Conn, Circ Cpc 4pin Rcpt Panel Pushin Din72585	1
.....	PLG408_1 ..	258724 ..	Seal, Plug Single Wire	3
.....		215265 ..	Conn, Deutsch Wedge Lock 12 Position	1
.....		238029 ..	Conn, Deutsch Wedge Lock 6 Position	1
.....	PLG410 ..	212116 ..	Conn, Deutsch 2P 1Row Female Plug	1
.....		212117 ..	Conn, Deutsch Wedge Lock 2 Position	1

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Wiring Harnesses				
.....		258581 ..	Harness, Weld (Includes)	1
.....	PLG6,PLG26	193184 ..	Conn, Rect Cinch 30 Pin	2
.....	PLG7,PLG11,			
.....	PLG27,PLG211	193183 ..	Conn, Rect Cinch 18 Pin	4
.....	PLG5,PLG10,PLG20,			
.....	PLG25,PLG210,			
.....	PLG220 ..	113751 ..	Conn, Rect Mini 045 8skt 2row Plug Cable Lkg	6
.....	PLG2,PLG9,PLG22,			
.....	PLG29 ..	214951 ..	Conn, Rect Univ 039 6p/S 3row Plug Cable Lkg Seal	4
.....	RC3,RC23 ..	155129 ..	Conn, Rect Univ 039 6p/S 3row Rcpt Cable/Panel Lkg	2
.....	PLG8,PLG28	231708 ..	Conn, Rect Univ 039 10p/S 2row Plug Cable Lkg Seal	2
.....	RC99	158466 ..	Conn, Rect Univ 084 12p/S 3row Rcpt Cable/Panel Lkg	1
.....	RC98	135133 ..	Conn, Rect Univ 084 9p/S 3row Rcpt Cable/Panel Lkg	1
.....	RC30	229933 ..	Conn, Rect Univ 039 10p/S 2row Rcpt Cable/Panel Lkg	1
.....		259207 ..	Cable, Lem 7 In	2
.....		196602 ..	Plug, Cavity 18,30 Position Cinch Connector	38
.....		129524 ..	Term, Frict 250x032 Uninsul Male .130 Stud Mtg 3pr	1
.....		214933 ..	Seal, Wire Univ 039	91
.....		214934 ..	Seal, Plug Univ 039	43
.....		187651 ..	Seal, Wire Univ 9p/S 3row	1
.....		187654 ..	Seal, Wire Univ 12p/S 3row	1

Notes

Notes

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