PM-259705B 2026–09

Processes

MIG (GMAW) Welding
Flux Cored (FCAW) Welding

Stick (SMAW) Welding

TIG (GTAW) Welding

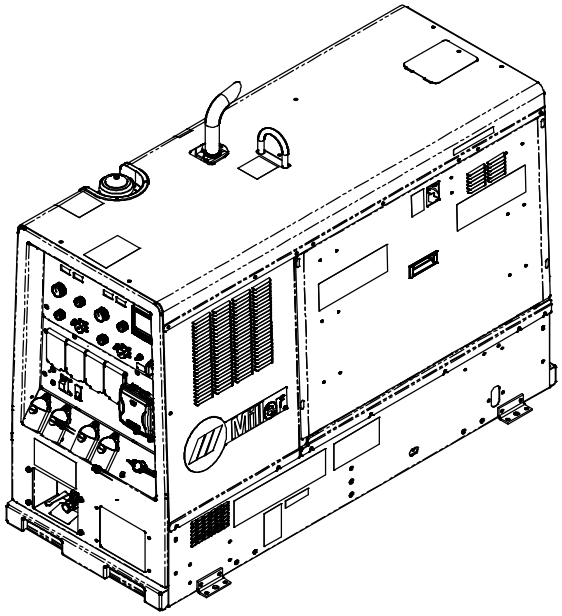
Air Carbon Arc (CAC-A) Cutting and Gouging

Description

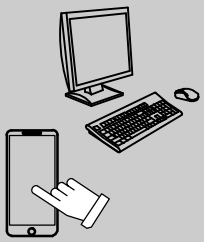
Engine Driven Welder/Generator And Air Compressor

Big Blue® 800 Duo Air Pak®

Eff w/Serial No. MD360063E Thru MH300475R



PARTS MANUAL



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

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SECTION 1 – PARTS LIST
EFF W/SERIAL NO. MD360063E THRU MH300475R

☞ *Hardware is common and not available unless listed.*

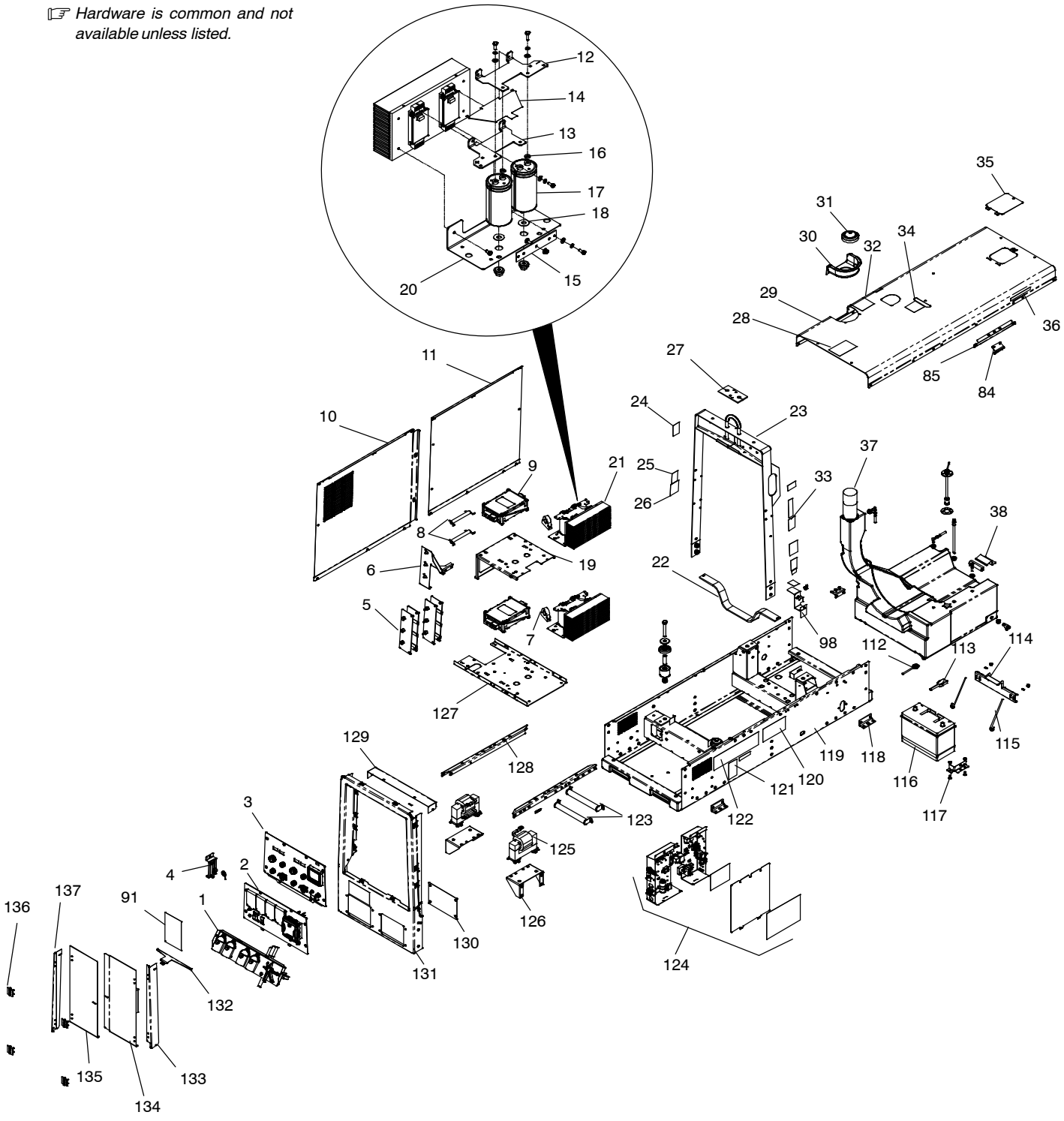
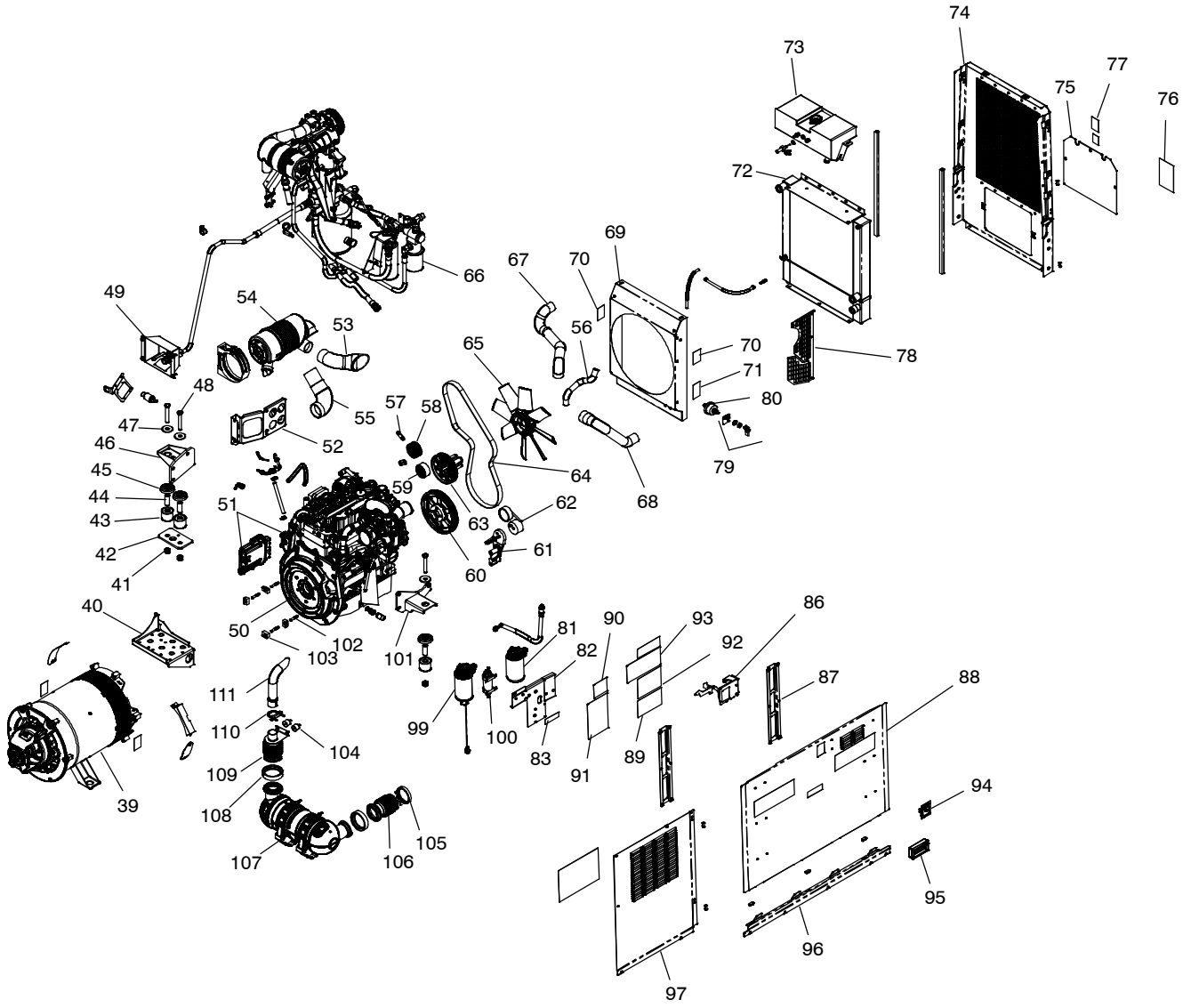


Figure 1-1. Main Assembly

Eff w/Serial No. MD360063E Thru MH300475R



907 535–3

Item No.	Dia. Mkgs.	Part No.	Description	Quantity

Figure 1-1. Main Assembly

1		Figure 1-4	Weld Output Panel	1
2		Figure 1-5	Auxiliary Power Panel	1
3		Figure 1-3	Engine & Weld Control Front Panel	1
4		252195	Bracket, Mtg Strip Term 6 Pole	1
	TE1	172661	Block, Stud Connection 6 Position	1
5	SR6, SR26	248933	Rectifier, Si 3ph 300 Amp 600 Piv	2
6		259039	Bracket, Mtg Rectifier	1
7	HD1, HD21	168829	Transducer, Current 1000A Module Max Open Loop	2
8	R10, R210	188067	Resistor, Ww Fxd 100 W 200 Ohm W/Clips	2
9	PC1, PC21	258544	Module, Main Control/IGBT Gating	2
10		260581	Panel, Generator LH	1
11		259533	Panel, Engine Extension LH	1
12		250348	Bus Bar, Negative	2
13		250350	Bus Bar, Positive	2
14		250323	Insulator, Rectifier	2
15		245378	Buss Bar, AC	2
16		247093	Stand-off, Conductive Bus	4
17	C3, C23	246841	Capacitor, Elctlt 35000 uF 100 VDC Can 3.00 Dia	4
18		239547	Washer, Flat Nylon .516 Id X 1.250 Od X .062 Thk	4
19		256489	Bracket, Mtg Vault	1
20		250346	Bracket, Mtg Capacitors	2
21		247407	Heat Sink Assy, IGBT	2
22		218086	Bracket, Holddown Fuel Tank	1
23		+255669	Upright, Center Assy	1
24		269515	Label, Warning Hot Parts (Prior to MF510042E)	1
24		272333	Label, Warning Hot Parts (En/Fr−Sym) (Eff w/MF510042E)	1
25		225120	Label, Warning Moving Parts Can Cause Injury (Prior to MF510042E)	1
25		272334	Label, Warning Moving Parts (En/Fr−Sym) (Eff w/MF510042E)	1
26		270259	Label, Notice Do Not Spray Water On Electrical Part (Prior to MF510042E)	2
26		272331	Label, Notice Do Not Spray Water (En/Fr−Sym) (Eff w/MF510042E)	2
27		189464	Seal, Weather Lift Eye	1
28		233088	Label, Danger Using A Generator Indoors Can Kill (Prior to MF510042E)	1
28		272340	Label, Danger Using A Generator Indoor (En/Fr/Sp−Sym) (Eff w/MF510042E)	1
29		+259206	Cover, Top	1
30		189052	Grommet, Plastic Neck Filler Fuel	1
31		190198	Cap, Tank Screw-on 3.500 In W/Vent W/Lanyard 8”	1
32		190041	Label, Use Diesel Fuel Only (Prior to MF510042E)	1
32		272338	Label, Use Diesel Fuel Only (En/Fr−Sym) (Eff w/MF510042E thru MH060317R)	1
32		227728	Label, Warning Use Diesel Fuel Only (Trilingual) (Eff w/MH060318R)	1
33		269515	Label, Warning Hot Parts (Prior to MF510042E)	1
33		272333	Label, Warning Hot Parts (En/Fr−Sym) (Eff w/MF510042E)	1
34		222513	Label, Warning Falling Equipment Can Cause Serious (Prior to MF510042E)	1
34		272339	Label, Warning Falling Equipment (En/Fr−Sym) (Eff w/MF510042E)	1
35		201851	Cover, Radiator Access	1
36		203260	Label, Caution Do Not Use Ether (Prior to MF510042E)	1
36		272332	Label, Notice Do Not Use Ether (En/Fr−Sym) (Eff w/MF510042E thru MH060318R)	1
36		227731	Label, Caution Do Not Use Ether (Trilingual) (Eff w/MH060318R)	1
37		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

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
			Figure 1-1. Main Assembly (Continued)	
		084173	Clamp, Hose .460 - .545 Clp Dia Slfttng	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
38		196220	Bracket, Holddown Fuel Tank Rear	1
39		Figure 1-7	Generator	1
40		258901	Bracket, Mtg DOC	1
41		135205	Nut, 625-11 .94hex .76h Stl Pld Elastic Stop Nut	3
42		259691	Plate, Support Engine	1
43		083476	Mount, Eng/Gen Nprn .875 Id X 2.500 Od X 2.000	3
44		071730	Tubing, Stl .875 Od X 12ga Wall X 2.500	3
45		071890	Retainer, Mount Eng/Gen	3
46		259687	Bracket, Mtg Engine Lh Hd	1
47		071731	Washer, Flat .656 Id X 2.250 Od X .187t Stl Pld	3
48		199849	Screw, 625-11 X 4.00hexhd Pln Gr 5 Pld	3
49		206606	Box, Valve Ball	1
50		265233	Adapter, Engine Deutz 2.9l	1
51		256692	Engine, Deutz Dsl Elec 8556 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
52		254730	Bracket, Mtg Air Cleaner	1
53		259354	Hose, Air Pickup	1
54		255768	Air Cleaner, Intake (Engine)	1
		*192938	Filter, Air Element Primary	1
		♦192939	Filter, Air Element Safety	1
		189763	Bracket, Mtg Air Cleaner	1
55		254977	Hose, Air Cleaner	1
56		260285	Hose, Rbr .875 Id (Water Pump To Expansion Tank)	1
57		255770	Bracket, Mtg Alternator To Compressor Bkt	1
58		253942	Pulley, Alternator	1
59		253963	Pulley, Idler 76mm Od 17mm Id 33mm W	1
60		253941	Pulley, Crankshaft	1
61		258014	Bracket, Mtg Tensioner	1
62		253958	Tensioner, Auto Belt	1
63		253940	Pulley, Water Pump	1
64		*253944	Belt, Micro-v 8 Rib	1
65		207203	Fan, Engine Cooling 18.000 8 Blade Suction	1
66		Figure 1-8	Compressor Assembly	1
67		255666	Hose, Radiator Upper Deutz (2013 2.9 Liter)	1
68		255667	Hose, Radiator Lower Deutz (2013 2.9 Liter)	1
69		+259302	Shroud, Fan	1
70		225120	Label, Warning Moving Parts Can Cause Injury (Prior to MF510042E)	2
70		272334	Label, Warning Moving Parts (En/Fr−Sym) (Eff w/MF510042E)	2
71		210229	Label, Compressor Oil Fill (Prior to MF510042E)	1
71		272498	Label, Notice Compressor Oil Fill (En/Fr−Sym) (Eff w/MF510042E)	1
72		259648	Radiator/Oil Cooler 3 Row Core 1.500 In/Outlet (US)	1
73		255549	Tank, Radiator Expansion	1
		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

Item No.	Dia. Mkgs.	Part No.	Description	Quantity

Figure 1-1. Main Assembly (Continued)

... 74		254275	Upright, Rear Radiator	1
		260226	Extrusion, Rubber W/Adhesive .750 X .750 X 27.000	2
... 75		+201183	Cover, Battery Access	1
... 76		168385	Label, Warning Battery Explosion Can Blind (Prior to MF510042E)	1
... 76		272341	Label, Warning Battery Explosion (En/Fr−Sym) (Eff w/MF510042E)	1
... 77		225120	Label, Warning Moving Parts Can Cause Injury (Prior to MF510042E)	1
... 77		272334	Label, Warning Moving Parts (En/Fr−Sym) (Eff w/MF510042E)	1
... 78		255756	Guard, Fan Rh	1
... 79		209612	Lever, Switch Lockout Disconnect Switch	1
... 80		209611	Switch, Disc Battery 2p 6-36 Volts	1
... 81		*255765	Filter, Fuel Secondary (D2013 2.9l)	1
... 82		+259335	Bracket, Mtg Fuel Filters/Pump	1
... 83		272555	Label, Notice Drain Water From Fuel Filter (En/Fr)	1
... 84		190992	Keeper, Latch Engine Access Door	1
... 85		206604	Channel, Stiffener Engine Access	1
... 86		209092	Bracket, Mtg Safety Latch	1
... 87		209090	Bracket, Stiffener Panel	2
... 88		+259532	Panel, Engine Access Lift Off	1
... 89		260658	Label, Maintenance Air Compressor	1
... 90		217698	Label, Help Codes	1
... 91		257145	Label, Suggested Arc Control Settings	2
... 92		209059	Schematic, Air System (Big Blue Air Pak)	1
... 93		260007	Label, Maintenance Deutz D2.9l4/Td2.9l4	1
... 94		199592	Latch, Paddle Series 20 (Black)	1
... 95		210681	Handle, Pocket Pull Door Access	1
... 96		259402	Panel, Rocker Short	1
... 97		259406	Panel, Generator RH	1
... 98		260961	Bracket, Mtg Switch	1
... 99		*255764	Filter, Fuel Pre (D2013 2.9l)	1
.. 100		255767	Pump, Fuel (D2013 2.9l)	1
.. 101		253929	Bracket, Mtg Engine RH	1
.. 102		259997	Stud, Stl M10-1.5 X 52mm Gr8.8	4
.. 103		259855	Block, Mtg Rotor	4
.. 104		256251	Mount, Vibration	2
.. 105			Clamp, V Band (Order from engine manufacturer)	1
.. 106		254724	Pipe, Exhaust Bellows Flex	1
.. 107			DOC (Order from engine manufacturer)	1
.. 108			Clamp, V Band (2 Sets) (Order from engine manufacturer)	2
.. 109		261816	Reducer, Exhaust Flex 3 In Marmon To 1-7/8 St	1
.. 110		010875	Clamp, Muffler 2.000 Dia U Pld	1
.. 111		255774	Pipe, Exhaust Elbow 3.000 Od	1
.. 112		190206	Cable, Bat Neg 42.000 No 1 Awg W/Clamp & .400 Rng	1
.. 113		264019	Cable, Bat Pos 24” No 1 Awg/8ga Aux W/Clamp & .400	1
.. 114		264794	Bracket, Battery Holddown (Group 31 Size) (Prior to ME020269E)	1
.. 114		264793	Bracket, Battery Holddown (Group 24 Size) (Prior to ME020269E)	1
.. 114		266385	Bracket, Battery Holddown (Eff w/ME020269E)	1
.. 115		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
.. 116			Battery, Stor 12V 660 Crk 110 Rsv Gp 24 Maint Free	1
.. 117		264924	Bracket, Battery Locator	1
.. 118		191897	Bracket, Mtg Unit	4
.. 119		+269943	Base	1
.. 120		224266	Label, Warning Do Not Weld On Base (Prior to MF510042E)	2
.. 120		272342	Label, Warning Do Not Weld On Base (En/Fr−Sym) (Eff w/MF510042E)	2
.. 121			Label, Rating Card (Order By Model & Serial No.)	1
.. 122		233953	Label, Warning General Precautionary Csa (Prior to MF510042E)	2
.. 122		272343	Label, Warning General Precautionary (En/Fr−Sym) (Eff w/MF510042E)	2
.. 123	R3, R8	189699	Resistor, Ww Tap 375 W 10 Ohm W/Mtg Bkt	1

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
			Figure 1-1. Main Assembly (Continued)	
.. 124	Figure 1-2	..	Control Box Assembly	1
.. 125	.. Z1, Z21	... 249772 ..	Stabilizer	2
.. 126		..... 248940 ..	Bracket, Mtg Stabilizer	2
.....	CT1	.... 105370 ..	Xfmr, Current	1
.. 127		..... 256487 ..	Pan, Vault & Capacitors	1
.. 128		..... 206352 ..	Brace, Front To Center Upright	2
.. 129		..... 191448 ..	Cover, Top Front Upright	1
.. 130		..... 207096 ..	Cover, Box Front Upright	1
.. 131		..... 254117 ..	Upright, Front	1
.. 132		..... 259266 ..	Tab, Lockout	1
.. 133		..... 265250 ..	Mount, Access RH	1
.. 134		..... 259268 ..	Door, Access RH w/Om Pocket	1
.. 135		..... 259265 ..	Door, Access LH	1
.. 136		..... 189975 ..	Hinge, Door Access 180 Deg	4
.. 137		..... 265249 ..	Mount, Access LH	1

♦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.

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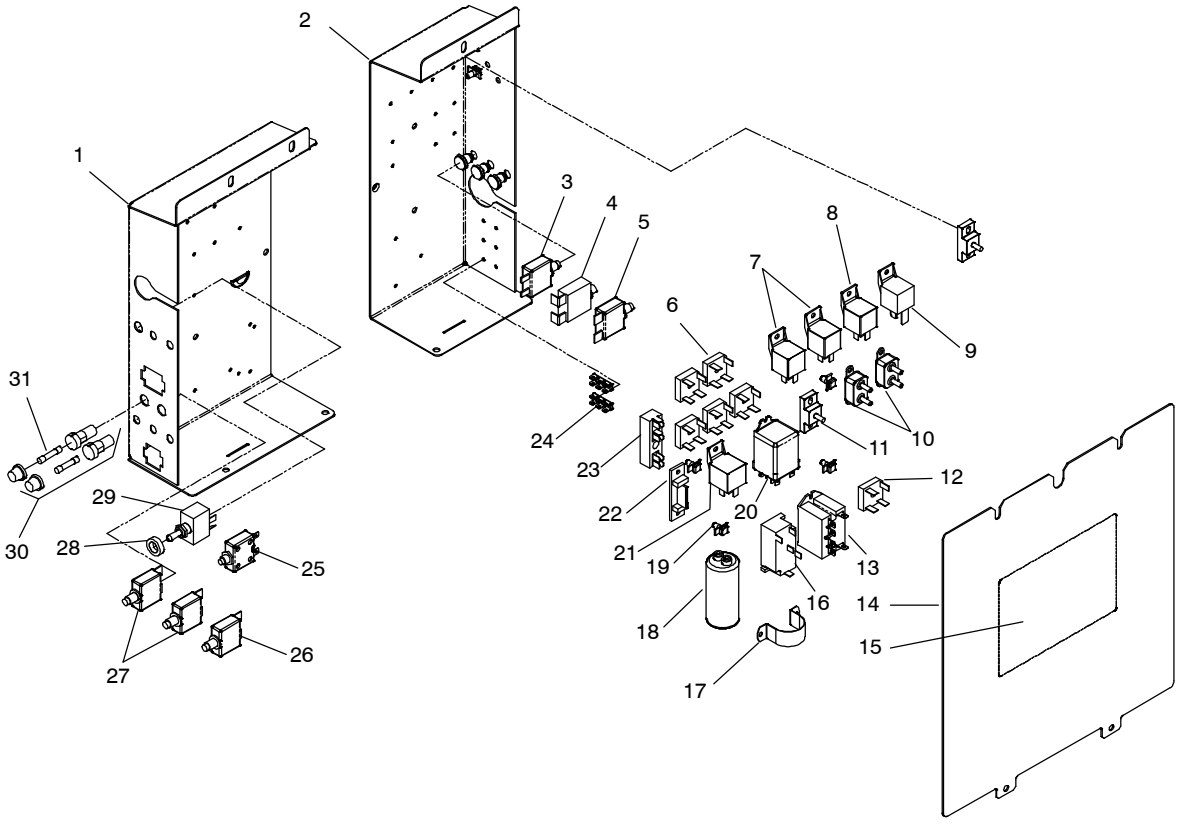

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Figure 1-2. Control Box Assembly

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
			Figure 1-2. Control Box Assembly (Figure 1-1 Item 124)	
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		260105	Label, Component Layout Control Box	1
16	CR15	♦172015	Time Delay Relay (Prior to ME270030E)	1
16	CR15	♦268474	Relay, Delay Fix 12VDC Spst (N.O.) 10A 30sec (Eff w/ME270030E)	1
17		177136	Clamp, Capacitor 1.375 Dia	1
18	C6	087110	Capacitor, Elctlt 240 uF 200 VDC Can 1.39 Di	1
19		204737	Cable Tie Mount, Winged Push	5
20	CR10	113247	Relay, Encl 12VDC Dpdt 20A/120VAC 8pin Flange Mtg	1
21	CR14	♦090104	Relay, Encl 12VDC Spst 30A/15VDC 5pin Flange Mtg	1
22	C10/D10	189701	Diode/Capacitor Board	1
23	TE2	190210	Block, Term 5−3−3	1
	R4	273604	Resistor Assy (Part of Weld Harness)	1
24		129524	Term, Frict 250x032 Uninsul Male .130 Stud Mtg 3pr	2
25	CB15	083432	Supplementary Pro, Man Reset 1p 10A 250VAC Frict	1
26	CB14	♦139266	Supplementary Protector, Man Reset 1p 15A 250VAC	1
27	CB3−CB4	139266	Supplementary Protector, Man Reset 1p 15A 250VAC	2
28		202209	Spacer, Nylon .805 Od X .510 Id X .220 Lg	1
29	S5	028111	Switch, Tgl Dpst 20A 250V Spd Term	1
		021385	Boot, Toggle Switch Lever	1
30	F1−F2	256852	Holder, Fuse Mintr W/10A Slo−Blo Fuse	2
31		*085874	Fuse, Mintr Cer Slo-blo 10. Amp 250 Volt	2

*Recommended Spare Parts.

♦OPTIONAL

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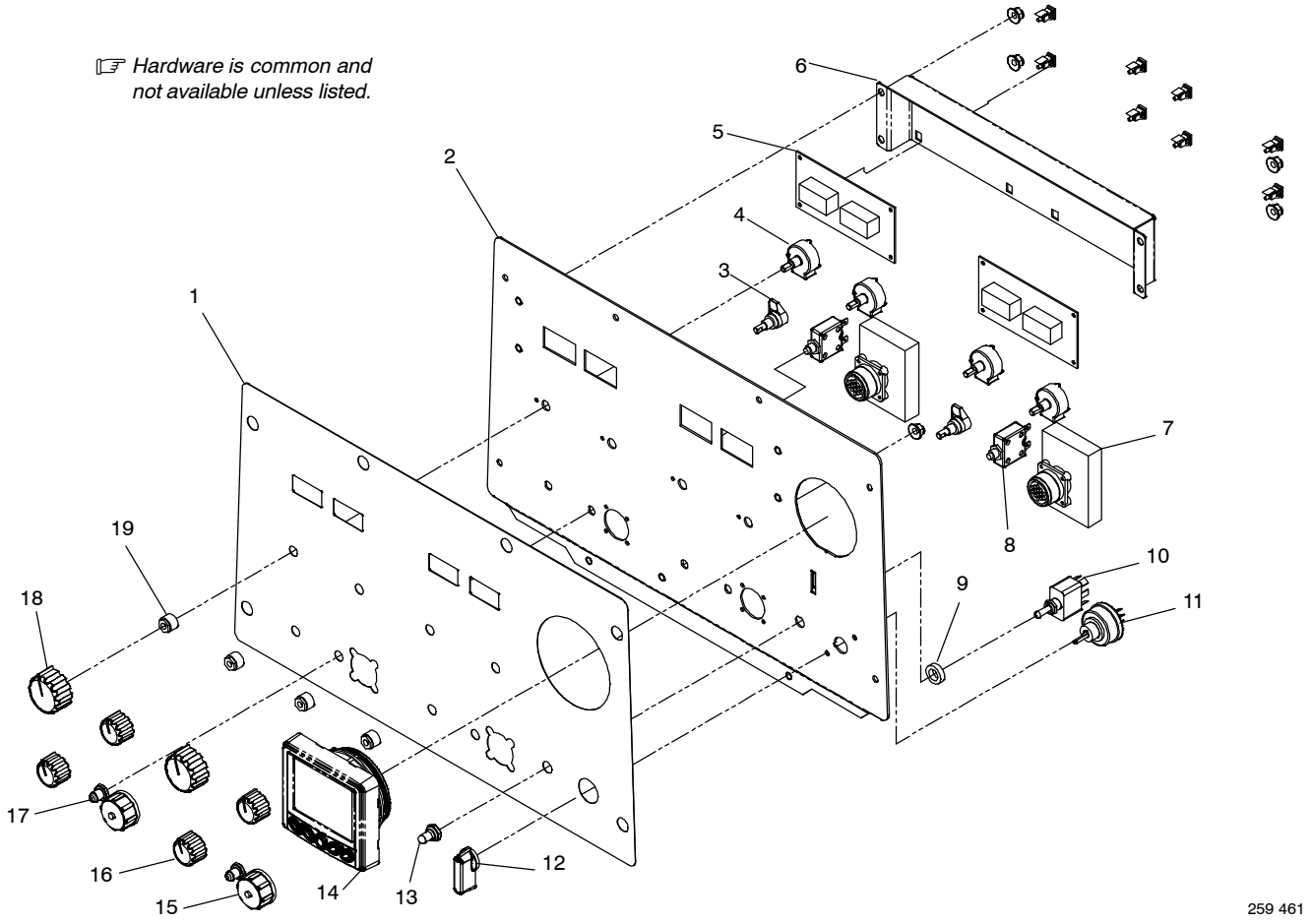

Figure 1-3. Panel, Front Engine & Weld Controls

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 1-3. Panel, Front Engine & Weld Controls (Figure 1-1, Item 3)				
1			Label, Nameplate (Order by model and serial number)	1
2		258684	Panel, Engine/Weld Control	1
3	R1, R21	246961	Switch, Rotary 8 Posn 1p 200mA 28VDC W/Resistors	2
4	R2,R5,R22,R25	193118	Pot, Cp Flat 1t 2. W 1k Ohm Linear	4
5	PC2, PC22	251527	Circuit Card Assy, Display W/Program	2
6		258683	Enclosure, Dual Circuit Card Assy	1
7	PC5, PC25	242263	Circuit Card Assy, Connector/Receptacle (R)	2
8	CB9, CB29	083432	Supplementary Pro, Man Reset 1p 10A 250VAC Frict	2
9		202209	Spacer, Nylon .805 Od X .510 Id X .220 Lg	1
		201244	Washer, Tooth.728idx1.166odx.050t Stl Pld Int.688	1
10	S10	206624	Switch, Tgl Sptt 6a 125vac (On)–On–(On)Spd Term	1
11	S1	217680	Switch, Ignition 4 Position W/Out Handle	1
12		207073	Lever, Ignition Switch	1
13		021385	Boot, Toggle Switch Lever	1
14	DISPLAY	256689	Display, Lcd Alphanumeric Engine	1
15		170391	Conn, Circ Ms Protective Cap Size 20 Nylon	2
16		207080	Knob, Pointer 1.125 Dia	4
17		190323	Boot, Circuit Breaker Clear Hex Nut	2
18		218764	Knob, Pointer 1.625 Dia	2
19		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
		134201	Stand–Off Support, Pc Card .312/.375w/Post&Lock .43	8
		152461	Nut, 250–20 .44hex .23h Stl Pld Sem Cone Wshr.65d	5

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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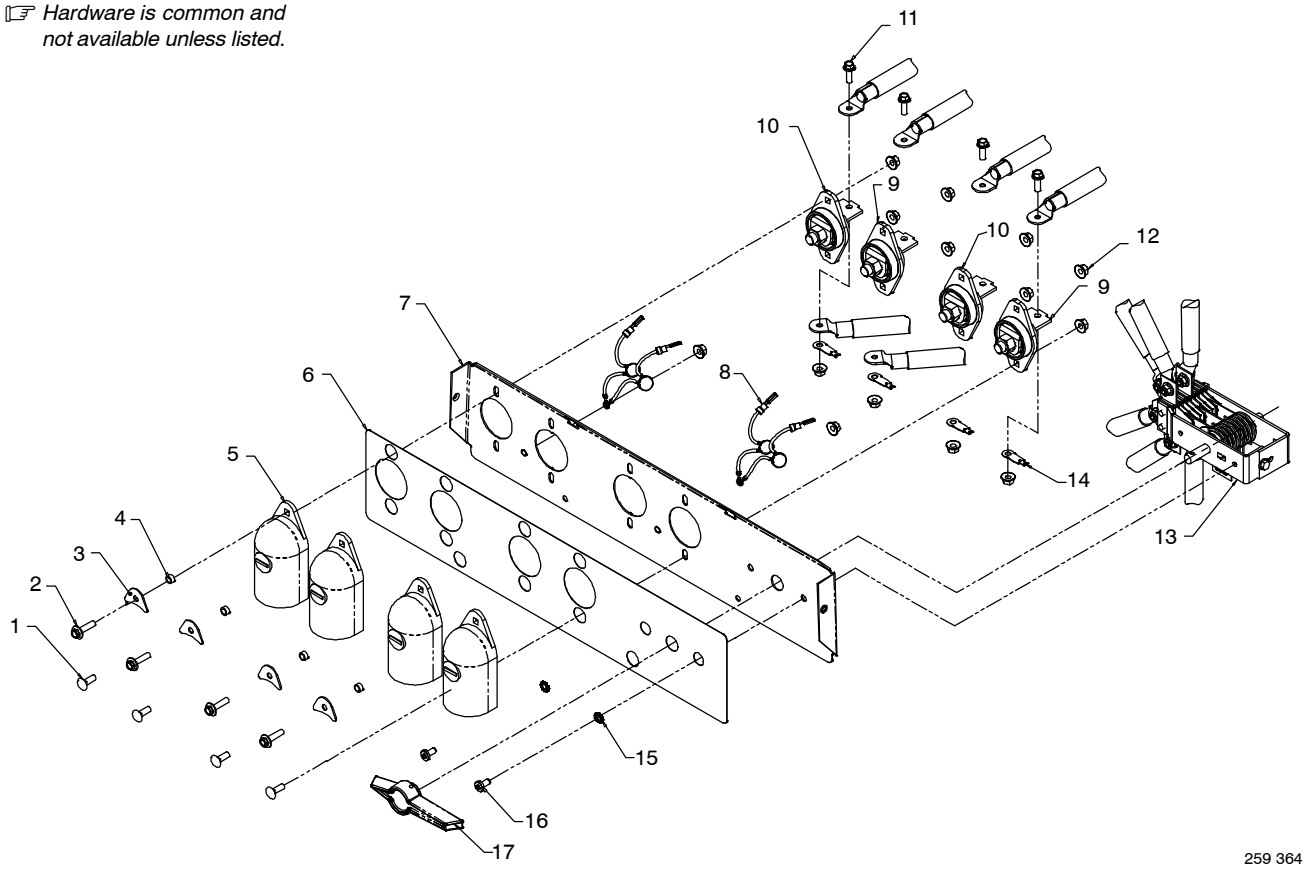

Figure 1-4. Panel, Weld Output

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
			Figure 1-4. Panel, Weld Output (Figure 1-1, Item 1)	
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	4
9		290798	Terminal, Pwr Output Black	2
10		298788	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	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

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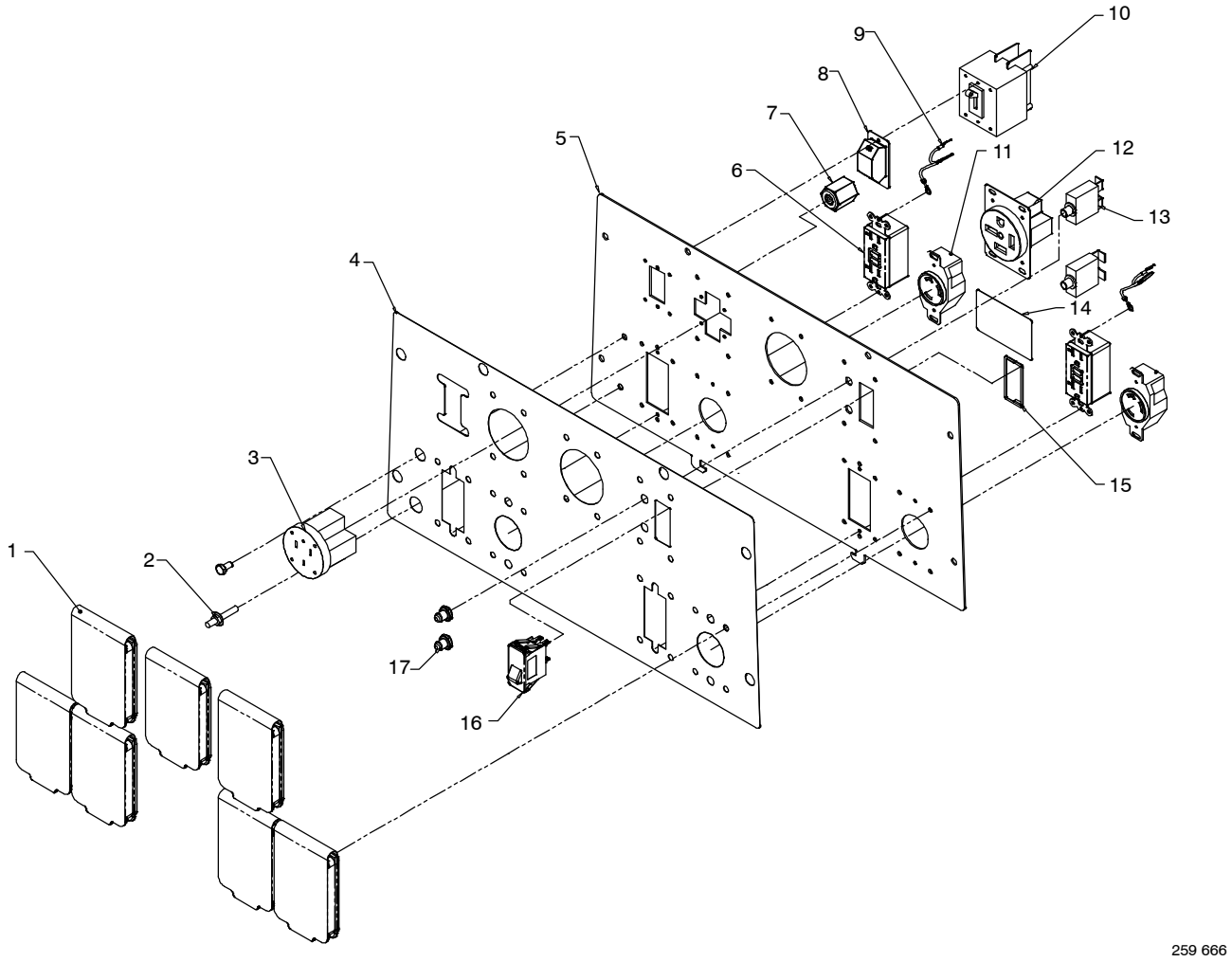

Figure 1-5. Panel, Auxiliary Power North America (Prior To Serial No. ME260126E)

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
			Figure 1-5. Panel, Auxiliary Power North America (Figure 1-1, Item 2)	
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.

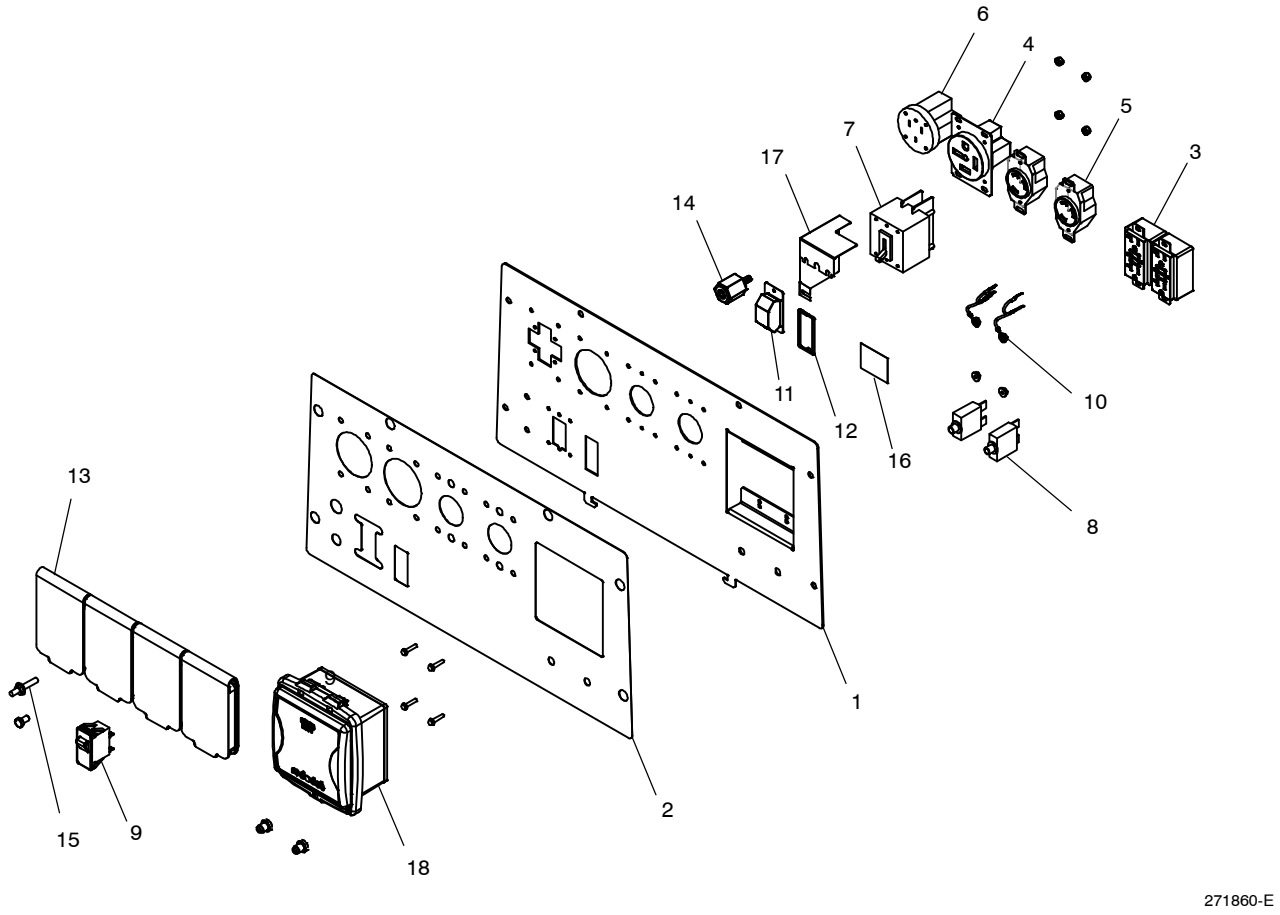

Figure 1-6. Panel, Auxiliary Power North America (Eff w/Serial No. ME260126E)

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
			Figure 1-6. Panel, Auxiliary Power North America (Figure 1-1, Item 2)	
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/MG510436R)	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

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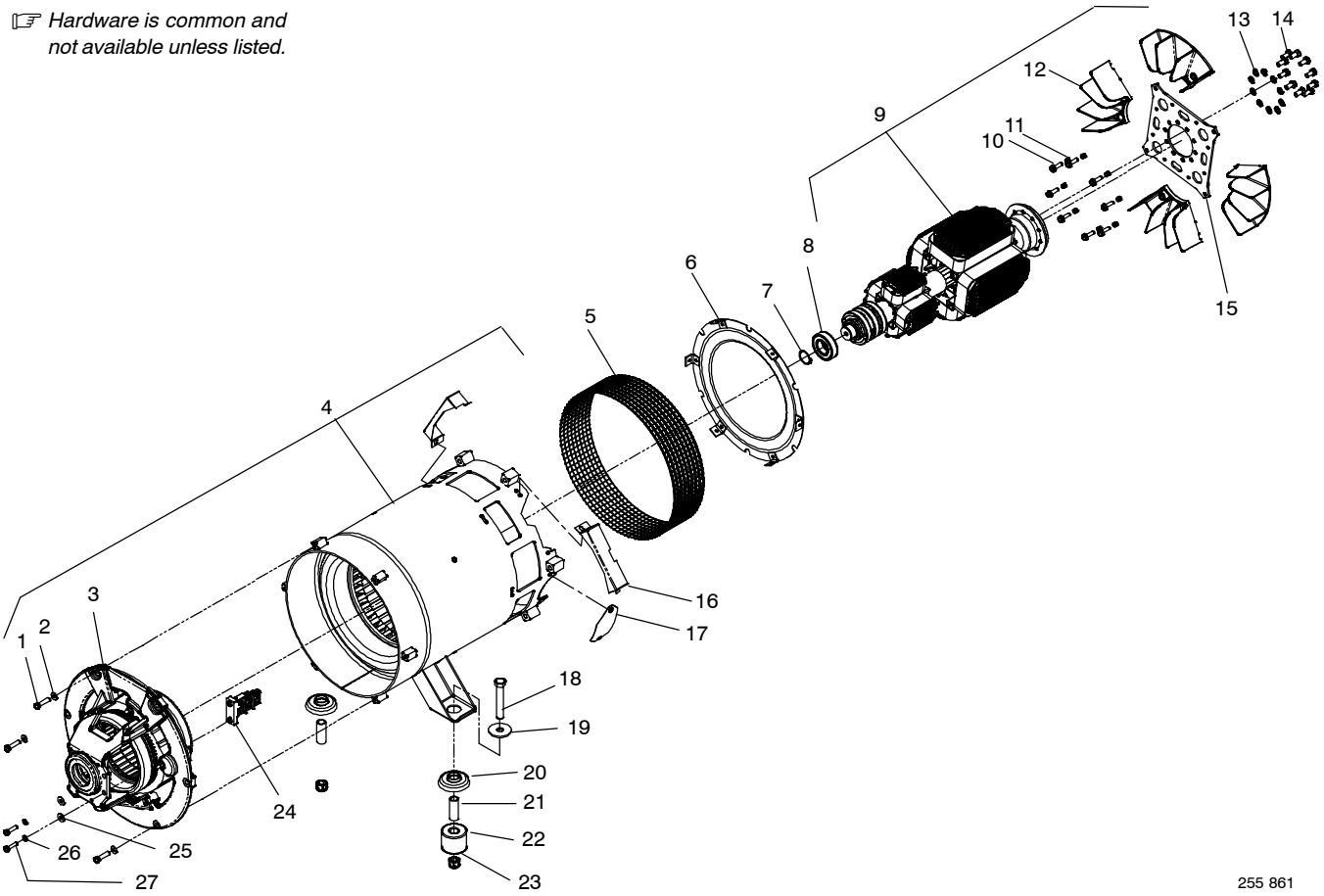

Figure 1-7. Generator

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
			Figure 1-7. Generator (Figure 1-1, Item 39)	
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, 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		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.

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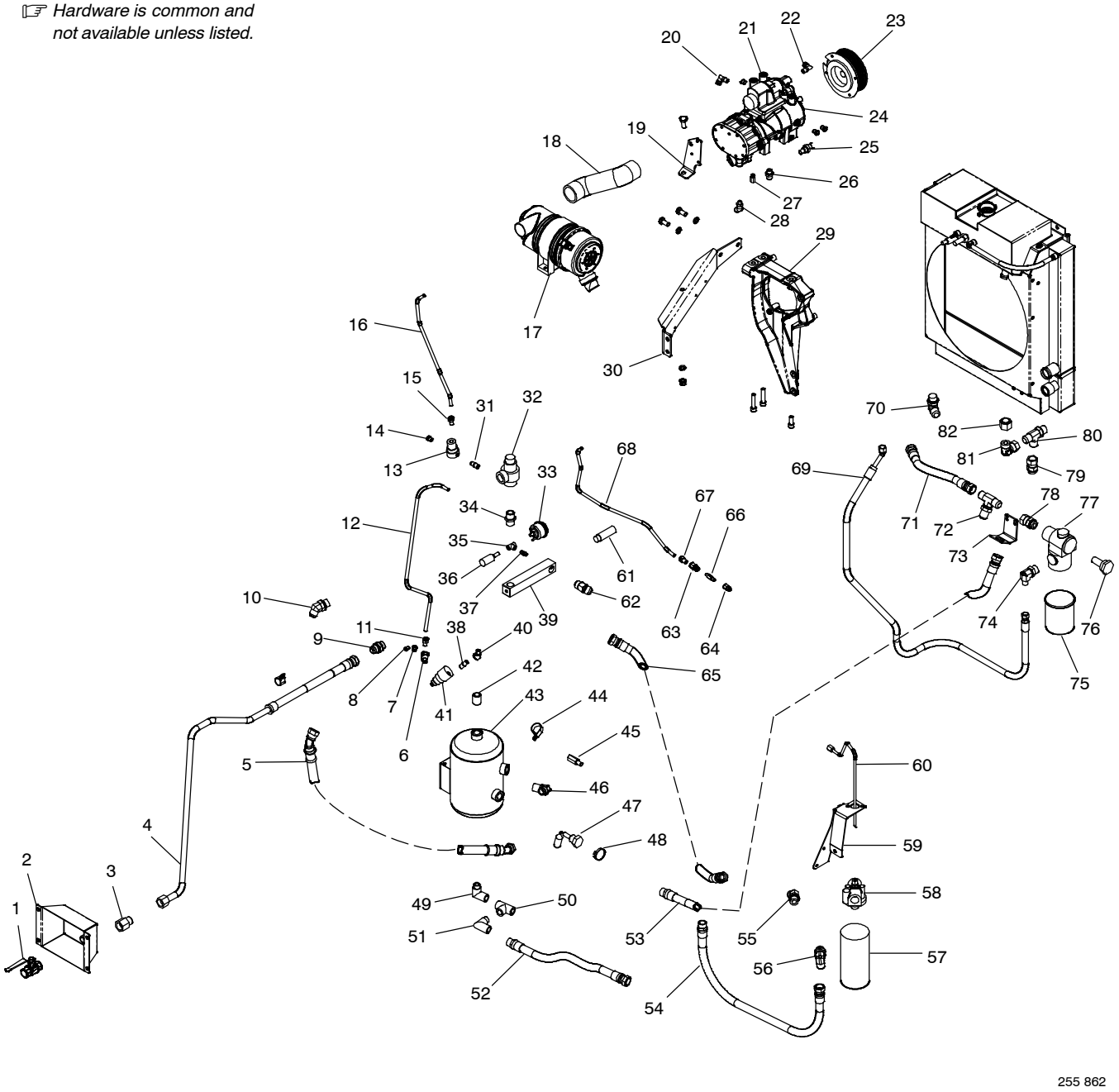

Figure 1-8. Air Compressor

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
			Figure 1-8. Air Compressor (Figure 1-1 Item 66)	
1		233721	Valve, Ball	1
2		206606	Box, Valve Ball	1
3		210523	Ftg, Flrd Stl Tube End/Female Pipe End 3/4	1
4		209635	Hose, Tubing Oil Assy W/Fittings 42.360lg	1
5		260299	Hose Assy, Air W/Fittings 3/4 X 37.000 Lg	1
6		071270	Ftg, Pipe Brs Tee St 1/4 Npt 071269	1
7		602887	Ftg, Pipe Brs Plug Hexhd 1/4 Npt	1
8		151662	Ftg, Pipe Brs Plug Hex .125 Npt	1
9		209621	Ftg, Stl Adapter 3/4 Sae-3/4 Jic	1
10		240354	Ftg, Stl Adapter 3/4 Sae-3/4 Jic 45 Deg	1
11		209854	Ftg, Pipe Stl Adapter M 1/4 Npt X 1/4 Line	1

Item No.	Dia. Mkgs.	Part No.	Description	Quantity

Figure 1-8. Air Compressor (Continued)

12		260317	Hose, Nylon Blue 1/4 Id X 3/8 Od X 30-1/2 Lg	1
13		210054	Valve, Automatic Blowdown	1
14		210040	Orifice/Muffler, Blowdown .120	1
15		209854	Ftg, Pipe Stl Adapter M 1/4 Npt X 1/4 Line	1
16		260318	Hose, Nylon Red 1/4 Id X 3/8 Od X 23-1/2 Lg	1
17		249657	Air Cleaner, Intake 5.250 In	1
		*197676	Element, Air Cleaner	1
18		254976	Hose, Air Intake	1
19		253948	Bracket, Mtg Compressor (Back)	1
20		260374	Ftg, Pipe Brs Elbow/Adapter M 1/4 Npt X 3/8 Od Line	1
		210016	Gasket, Unloader Valve	0
21		218305	Valve, Inlet Unloader 90dg	1
22		260374	Ftg, Pipe Brs Elbow/Adapter M 1/4 Npt X 3/8 Od Line	1
23		256685	Clutch, Electro Magnetic 12vdc W/8 Groove Pulley	1
24		210001	Airend, Gear-driven W/Tapered Input Shaft	1
		258419	Kit, Compressor Front Seal	0
25		206742	Switch, High Air Temperature 248f Nc	1
26		209853	Ftg, Pipe Stl Adapter M M16 1.5 X 1/2 Jic	1
27		209852	Ftg, Pipe Stl Adapter M M10 X 1/8 Npt F	1
28		260369	Ftg, Pipe Brs Elbow/Adapter M 1/8 Npt X 3/8 Od Line	1
29		253946	Bracket, Mtg Compressor	1
30		253951	Bracket, Mtg Compressor (Side)	1
31		117826	Ftg, Pipe Brs Nipple Close 1/4 Npt	1
32		210051	Valve, Check Minimum Pressure	1
33		206615	Sender, Pressure Oil 0- 200 Psi (Prior To MF390042E)	1
33		272762	Sender, Pressure Oil 0– 200 Psi (Eff w/MF390042E)	1
34		209767	Ftg, Pipe Stl Connector M 3/4 Sae-npt Adapter	1
35		602965	Ftg, Pipe Brs Tee 1/8 Npt	1
36		206746	Switch, Pressure 20psi Nc	1
37		073655	Ftg, Pipe Brs Nipple Hex 1/8 Npt	1
38		117826	Ftg, Pipe Brs Nipple Close 1/4 Npt	1
39		206937	Manifold, Air	1
40		084999	Ftg, Pipe Brs Elbow St 45 1/4 Npt	1
41		210053	Valve, Pressure Regulator	1
42		209787	Ftg, Pipe Stl Nipple Close 3/4 Npt Schedule 80	1
43		206939	Tank, Oil Separator	1
44		127854	Clamp, Stl Cush 1.312 Dia X .343 Mtg Hole	1
45		260442	Stand-off, M12-1.75 Male X1/4-20 Fem .75 Hex 1.5 Lg	1
46		260323	Ftg, Stl Elbow M 90deg 3/4 X (Npt-jic 90deg)	1
47		210058	Gauge, Oil Level (Modified)	1
48		247624	Pointer Assembly	1
49		209457	Ftg, Pipe Stl Elbow St 3/4 Npt	1
50		209766	Ftg, Pipe Stl Tee Street 3/4 Npt M-f-f	1
51		209457	Ftg, Pipe Stl Elbow St 3/4 Npt	1
52		209638	Hose, Oil W/Fittings 25.670 Lg	1
53		209639	Hose, Oil W/Fittings 23.320 Lg	1
54		210248	Hose Assy, Air W/Fittings 3/4 X 35.250 Lg	1
55		260324	Ftg, Stl Elbow 45d 3/4-bspp(M) O-ring X 3/4 Jic M	1
56		214686	Ftg, Pipe Stl Elbow 90dg 3/4bspp O-ring X 3/4 Jic M	1
57		*206747	Separator, Oil/Air Filter	1
58		220326	Head, Spin On Separator	1
59		255515	Bracket, Mtg Filter Base	1
60		259231	Tubing, Sst .312 Od X.028 W/Ftgs	1
61		206743	Valve, Safety Relief 150psi	1
62		209754	Ftg, Stl Elbow 45 Deg 3/4 Npt (M) X 3/4 Jic (M)	1
63		209755	Ftg, Pipe Stl Swivel F 1/4 Npt X 1/4 F Jic	1
64		209856	Ftg, Stl Adapter Tube End Reducer 04f X 05m	1
65		214685	Hose Assy, Air W/Fittings 3/4 X 20.750 Lg	1

Item No.	Dia. Mkgs.	Part No.	Description	Quantity

Figure 1-8. Air Compressor (Continued)

. . . 66		210027	. . Valve, Check/Scavenge Orifice/Screen	1
. . . 67		209854	. . Ftg, Pipe Stl Adapter M 1/4 Npt X 1/4 Line	1
. . . 68		263516	. . Hose, Nylon White 1/4 Id X 3/8 Od X 33 Lg	1
. . . 69		258630	. . Hose, Tubing Oil Assy W/Fittings 42.500lg	1
. . . 70		209765	. . Ftg, Pipe Stl Elbow Adapter 90dg 3/4 Sae-jic-	1
. . . 71		210250	. . Hose Assy, Oil W/Fittings 3/4 X 15.500 Lg	1
. . . 72		210252	. . Ftg, Stl Bulkhead Branch Tee 3/4 Flare Tube End	1
. . . 73		256486	. . Bracket, Mtg Tubing	1
. . . 74		209756	. . Ftg, Pipe Stl Elbow M 90dg 1/2 Jic X 3/4 Sae	1
. . . 75		*206745	. . Filter, Oil	1
. . . 76		206744	. . Thermostat, 170f	1
. . . 77		210052	. . Valve, Oil Temperature Control	1
. . . 78		210251	. . Ftg, Stl Swivel Straight Thread Conn 3/4 O-ring	1
. . . 79		210251	. . Ftg, Stl Swivel Straight Thread Conn 3/4 O-ring	1
. . . 80		260477	. . Ftg, Pipe Stl Tee Branch Sae-12 X Jic-12	1
. . . 81		256393	. . Ftg, Stl Elbow 90 Deg Ns 3/4 F Jic X 3/4 M Orfs	1
. . . 82		209851	. . Ftg, Pipe Stl Tube End Cap 3/4 0rfs	1

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*Recommended Spare Parts.

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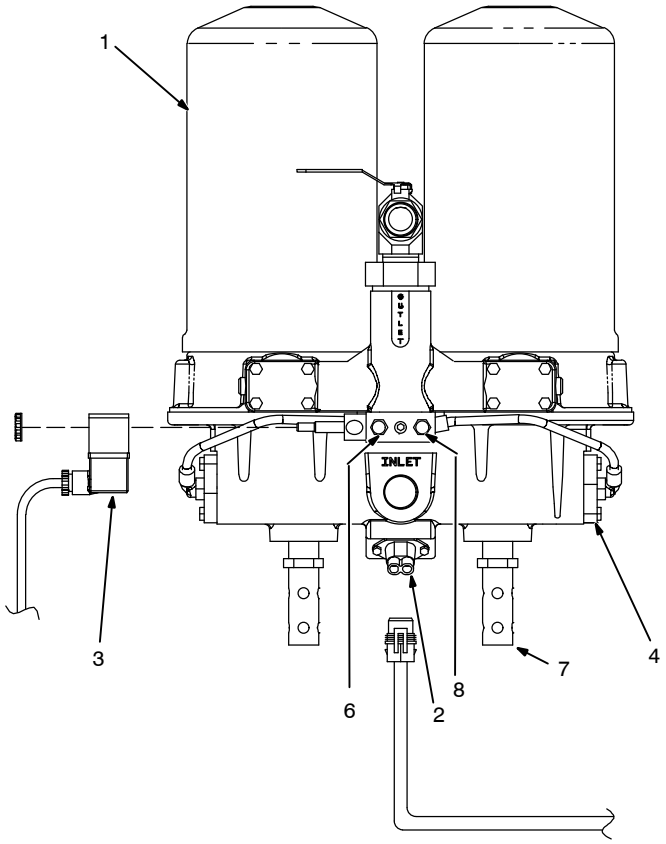

Figure 1-9. Optional Air Dryer Assemblies

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 1-9. Optional Air Dryer Assemblies				
1		193362	Cartridge, Desiccant	2
2		193365	Heater Assembly,12 V 75 W	1
3		219491	Timer, Ctrl w/Cord & Plug (2 Min Cycle)	1
4		219492	Kit, Unloader Valve (Valve/Misc O−rings/Seals)	1
5		219493	Kit, Inlet Valve (Check Valve/Spring/Gasket/O−rings) (Not Shown)	1
6		248678	Muffler, Exhaust	2
7		242536	Muffler, Air	2
8		239786	Valve, Ctrl (Valve/Solenoid) 12 V	1
		264669	Harness, Air Dryer T2000	1
Additional Components For Optional Rear Mounting Configuration:				
		271044	Cover, Battery Access Air Dryer Rear Assy	1
		213132	Hose, Tubing Oil Assy	1
		272334	Label, Warning Moving Parts (En/Fr−Sym)	1
		272341	Label, Warning Battery Explosion (En/Fr−Sym)	1
		272335	Label, Notice Do Not Disconnect Batt(En/Fr/Sp−Sym)	1
		213132	Hose, Tubing Oil Assy	1
		209768	Ftg, Flrd Stl Conn M 3/4 Npt−Jic	1
		244259	Bolt, Lag Stl .500 X 3.000 Pld	4
		602247	Washer, Flat .531idx1.062odx.095t Stl Pld Ansi.500	4
		602154	Screw, 250−20x .50 Hexwhd.50d Stl Pld Slffmg Tap−Rw	2

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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	
		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
	PLG14−PLG16	148850	Socket, Relay 5 Pin	3
	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
		259189	**Harness, Air Compressor Air Pak** (Includes)	1
	S10	206624	Switch, Tgl Sptt 6A 125VAC (On)−On−(On)Spd Term	1
	C10/D10	189701	Diode/Capacitor Board	1
	CB15	083432	Supplementary Pro, Man Reset 1p 10A 250VAC Frict	1
	CR10	113247	Relay, Encl 12VDC Dpdt 20A/120VAC 8pin Flange Mtg	1
	Mid	129524	Term, Frict 250x032 Uninsul Male .130 Stud Mtg 3pr	1
	Clutch	212116	Conn, Deutsch 2p 1row Female Plug	1

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
			Wiring Harnesses	
		258581	**Harness, Weld Air Pak** (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	150316	Conn, Rect Univ 039 6p/S 3row Plug Cable Lkg	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
	R4	273604	Resistor Assy	1

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
			Optional Components For Work Truck Configurations (907535002 And 907535003)	
		263148	Panel, Front Engine/Weld W/Cmpnts	1
		258839	Control Panel, Lower Truck Mount	1
		196093	Arrestor, Flame Fuel Cap Green W/3.500 Buttress Thd	1
		205712	Spark Arrestor	1
		234540	Spark Arrestor Mounting Kit (Horizontal)	1
		1065370010097	Gauge, Informer Air Restriction For Air Cleaner	2
		263393	Hose, Air Indicator W/Ftgs 17 In.	2
		263395	Ftg, Pipe Galv Elbow 90deg 1/8 Npt(M) X 1/8 Npt(F)	1
		010926	Hanger, Minerallic No 2	2
		604224	Screw, 250−20x .75 Hexwhd.50d Stl Pld Slffmg Tap−Rw	2
		176318	Padlock, Master Lock No 3ka 3212 Keyed Alike	1
		210744	Lock−Out Vandalism (Starting Panel Rr) (Includes)	1
		210745	Bezel, Mounting	1
		210746	Door, Access	1
		210747	Hinge, Cont Stl Stnls .042 X 1.250 X 5.000	1
		152461	Nut, 250−20 .44hex .23h Stl Pld Sem Cone Wshr.65d	1
		270752	Ftg, Stl Elbow 90 Deg 1/8 Ntp(F) To 1/8 Swivel(F)	2
		261874	Label, Weight & Dimensions Ap Rr	1
		210972	Label, Stop Engine 1 In High Letters Rr	1

Notes

Notes

Notes

Miller Electric Mfg. LLC
An Illinois Tool Works Company
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