



PM-275624A

2020-09

Processes



MIG (GMAW) Welding
Flux Cored (FCAW) Welding



Stick (SMAW) Welding



TIG (GTAW) Welding



Air Carbon Arc (CAC-A)
Cutting and Gouging

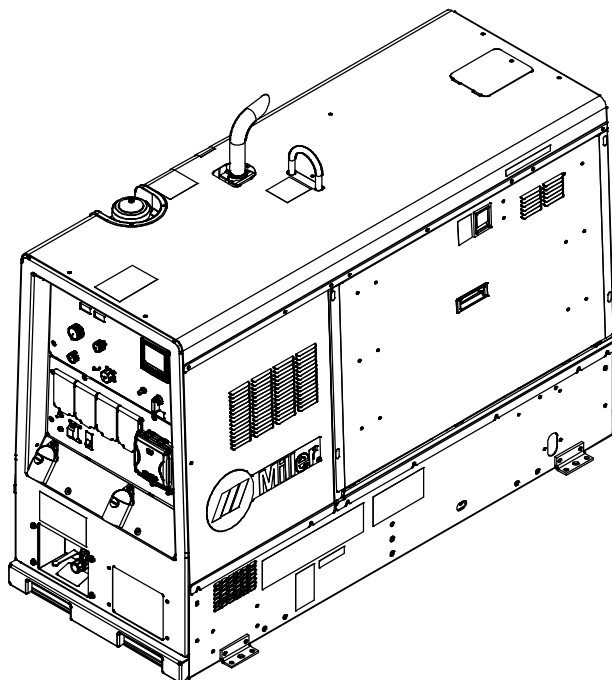
Description



Engine Driven Welder/Generator And
Air Compressor

Big Blue[®] 600 Air Pak[®]

Eff w/Serial No. MG161217R Thru MH320244R



PARTS MANUAL



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

www.MillerWelds.com

SECTION 1 – PARTS LIST

EFF W/SERIAL NO. MG161217R Thru MH320244R

 Hardware is common and not available unless listed.

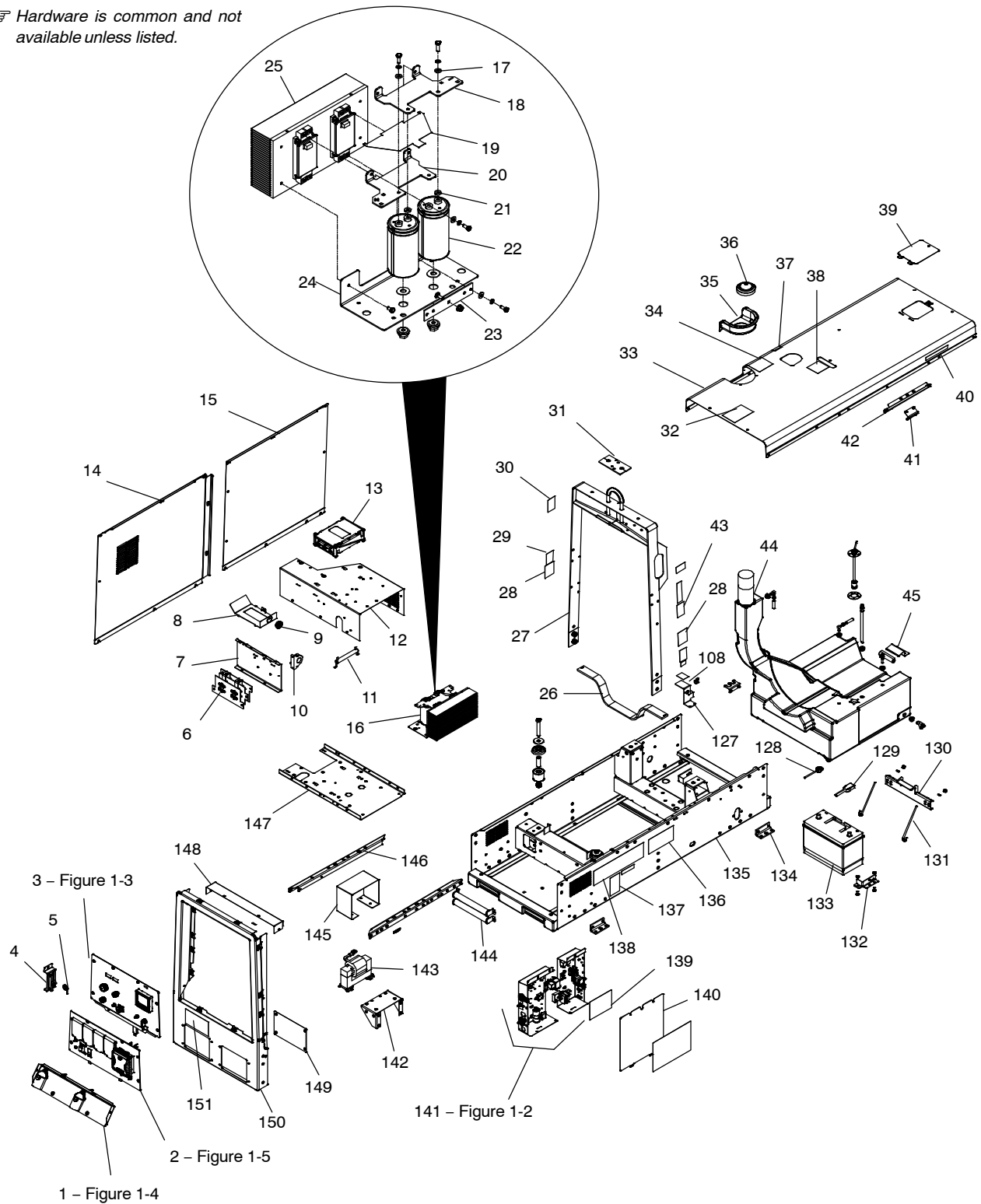
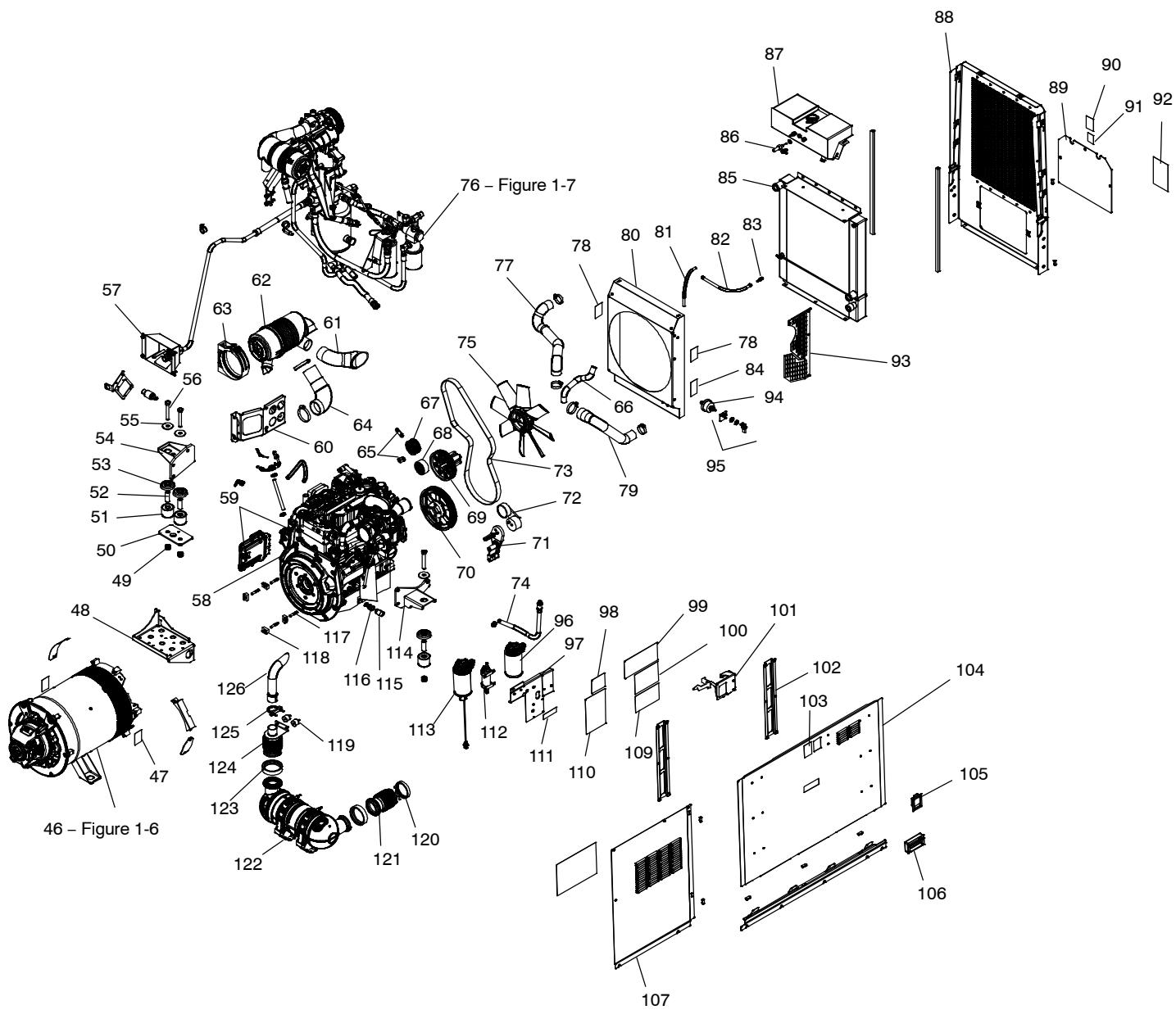


Figure 1-1. Main Assembly



Eff w/Serial No. MG161217R Thru MH320244R

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	TE1	255682	Block, Term Assy Standard W/Clamp	1
5	CT1	105370	Xfmr. Current	1
6	SR6	255758	Rectifier, Si 3ph 400 Amp 600 Piv	1
7		258909	Bracket, Mtg Rectifier	1
8		273098	Baffle, Air Rectifier/Diodes	1
9		245520	Bushing, Snap-In Nyl 1.062 Id X 1.500 Mtg Hole Cent	1
10	HD1	168829	Transducer, Current 1000A Module Max Open Loop	1
11	R10	188067	Resistor, Ww Fxd 100 W 200 Ohm W/Clips	1
12		258908	Windtunnel, Rect/Cap	1
13	PC1	275650	Module, Main Control/IGBT Gating	1
14		259407	Panel, Generator Lh	1
15		259533	Panel, Engine Extension Lh	1
16		252915	Module, Weld Output (Includes)	1
17		239547	Washer, Flat Nylon .516 Id X 1.250 Od X .062 Thk	2
18		250348	Bus Bar, Negative	1
19		250323	Insulator, Rectifier	1
20		250350	Bus Bar, Positive	1
21		247093	Stand-off, Conductive Bus	2
22	C3	246841	Capacitor, Elctlt 35000 uF 100 VDC Can 3.00 Dia	2
23		245378	Buss Bar, AC	1
24		250346	Bracket, Mtg Capacitors	1
25		247407	Heat Sink Assy, IGBT	1
26		218086	Bracket, Holddown Fuel Tank	1
27		+255669	Upright, Center Assy	1
28		272331	Label, Notice Do Not Spray Water (En/Fr-Sym)	2
29		272334	Label, Warning Moving Parts (En/Fr-Sym)	1
30		272333	Label, Warning Hot Parts (En/Fr-Sym)	1
31		189464	Seal, Weather Lift Eye	1
32		272340	Label, Danger Using A Generator Indoor (En/Fr/Sp-Sym)	1
33		+259206	Cover, Top	1
34		272338	Label, Use Diesel Fuel Only (En/Fr-Sym) (Prior to MH060318R)	1
34		227728	Label, Warning Use Diesel Fuel Only (Tri-lingual) (Eff w/MH060318R)	1
35		189052	Grommet, Plastic Neck Filler Fuel	1
36		254678	Cap, Tank Screw-on 3.500 In W/Vent W/Lanyard 8in	1
37		272333	Label, Warning Hot Parts (En/Fr-Sym)	1
38		272339	Label, Warning Falling Equipment (En/Fr-Sym)	1
39		201851	Cover, Radiator Access	1
40		272332	Label, Notice Do Not Use Ether (En/Fr-Sym) (Prior to MH060318R)	1
40		227731	Label, Notice Do Not Use Ether (Tri-lingual) (Eff w/MH060318R)	1
41		190992	Keeper, Latch Engine Access Door	1
42		206604	Channel, Stiffener Engine Access	1
43		272333	Label, Warning Hot Parts (En/Fr-Sym)	1
44		268932	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
		181572	Bushing, Tank Fuel	2
		268931	Ftg, Stand Pipe Hose .500 X 9.538 Lg Str Zinc	1
		084173	Clamp, Hose .460 - .545 Clp Dia Slftng	1
		264196	Sender, Fuel Gauge Reed Switch 9in	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
45		196220	Bracket, Holddown Fuel Tank Rear	1
46		Figure 1-6	Generator	1
47		272334	Label, Warning Moving Parts (En/Fr-Sym)	2
48		258901	Bracket, Mtg DOC	1

Eff w/Serial No. MG161217R Thru MH320244R

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 1-1. Main Assembly (Continued)				
49		135205	Nut, 625-11 .94hex .76h Stl Pld Elastic Stop Nut	3
50		259690	Plate W/Spacer, Support Engine	1
51		083476	Mount, Eng/Gen Nprn .875 Id X 2.500 Od X 2.000	3
52		071730	Tubing, Stl .875 Od X 12ga Wall X 2.500	3
53		071890	Retainer, Mount Eng/Gen	3
54		259687	Bracket, Mtg Engine Lh Hd	1
55		071731	Washer, Flat .656 Id X 2.250 Od X .187t Stl Pld	3
56		199849	Screw, 625-11 X 4.00hexhd Pln Gr 5 Pld	2
57		206606	Box, Valve Ball	1
58		265233	Adapter, Engine Deutz 2.9l	1
59		256692	Engine, Deutz Dsl Elec 8556 Td 2.9l 4	1
		*067265	Oil Filter	1
		066298	Washer, Seal Oil Cu .722 Id X .937 Od X .056 T	1
		259883	Heater, Block Engine 120v 530w	1
60		254730	Bracket, Mtg Air Cleaner	1
61		259354	Hose, Air Pickup	1
62		255768	Air Cleaner, Intake (Engine)	1
		*192938	Filter, Air Element Primary	1
		◆192939	Filter, Air Element Safety	1
63		189763	Bracket, Mtg Air Cleaner	1
64		254977	Hose, Air Cleaner	1
65		255770	Bracket, Mtg Alternator To Compressor Bkt	2
66		260285	Hose, Rbr .875 Id (Water Pump To Expansion Tank)	1
67		253942	Pulley, Alternator	1
68		253963	Pulley, Idler 76mm Od 17mm Id 33mm W	1
69		253940	Pulley, Water Pump	1
70		253941	Pulley, Crankshaft	1
71		258014	Bracket, Mtg Tensioner	1
72		253958	Tensioner, Auto Belt	1
73		*253944	Belt, Micro-v 8 Rib	1
74		199505	Hose Assy, Oil Drain 32.000 Lg	1
75		207203	Fan, Engine Cooling 18.000 8 Blade Suction	1
76		Figure 1-7	Compressor Assembly	1
77		255666	Hose, Radiator Upper Deutz (2013 2.9 Liter)	1
78		272334	Label, Warning Moving Parts (En/Fr-Sym)	2
79		255667	Hose, Radiator Lower Deutz (2013 2.9 Liter)	1
80		+259649	Shroud, Fan (US)	1
81		260078	Coolant Line Assy, W/Clamps 10 In/.250 Id	1
82		260079	Coolant Line Assy, W/Clamps 13.75 In/.250 Id	1
83		602958	Ftg, Hose Brs Barbed M 1/4 Tbg X 1/4 Npt	1
84		272498	Label, Notice Compressor Oil Fill (En/Fr-Sym)	1
85		259648	Radiator/Oil Cooler 3 Row Core 1.500 In/Outlet (US)	1
86		261866	Sensor, Coolant Level Monitor	1
87		255549	Tank, Radiator Expansion	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
		260226	Extrusion, Rubber W/Adhesive .750 X .750 X 27.000	2
88		+254275	Upright, Rear Radiator	1
89		201183	Cover, Battery Access	1
90		272334	Label, Warning Moving Parts (En/Fr-Sym)	1
91		272335	Label, Notice Do Not Disconnect Battery (En/Fr-Sym)	1
92		272341	Label, Warning Battery Explosion (En/Fr-Sym)	1
93		255756	Guard, Fan Rh	1
94		209611	Switch, Disc Battery 2p 6-36 Volts	1
95		209612	Lever, Switch Lockout Disconnect Switch	1
96		*255765	Filter, Fuel Secondary (D2013 2.9l)	1
97		+259335	Bracket, Mtg Fuel Filters/Pump	1
98		217698	Label, Help Codes	1

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 1-1. Main Assembly (Continued)				
99		260007	Label, Maintenance Deutz D2.9I4/Td2.9I4	1
100		209059	Schematic, Air System (Big Blue Air Pak)	1
101		+209092	Bracket, Mtg Safety Latch	1
102		209090	Bracket, Stiffener Panel	2
103		272334	Label, Warning Moving Parts (En/Fr-Sym)	1
104		+259532	Panel, Engine Access Lift Off	1
105		209667	Latch, Paddle W/Lock	1
106		210681	Handle, Pocket Pull Door Access	1
107		275615	Panel, Generator Rh	1
108		272335	Label, Notice Do Not Disconnect Battery (En/Fr-Sym)	1
109		260658	Label, Maintenance Air Compressor	1
110		257145	Label, Suggested Arc Control Settings	1
111		272555	Label, Notice Drain Water From Fuel Filter (En/Fr)	1
112		255767	Pump, Fuel (D2013 2.9I)	1
113		*255764	Filter, Fuel Pre (D2013 2.9I)	1
114		253934	Bracket Assy, Mtg Engine Rh	1
115		176528	Fitting, Hose Brs Barbed Elbow Fem 1/2 Tbg X 1/2 Npt	1
116		173336	Fitting, Adapter Oil Drain	1
117		259997	Stud, Stl M10-1.5 X 52mm Gr8.8	4
118		259855	Block, Mtg Rotor	4
119		256251	Mount, Vibration	2
120			Clamp, V Band (Order from engine manufacturer)	1
121		254724	Pipe, Exhaust Bellows Flex	1
122			DOC (Order from engine manufacturer)	1
123			Clamp, V Band (2 Sets) (Order from engine manufacturer)	2
124		261816	Reducer, Exhaust Flex 3 In Marmon To 1-7/8 St	1
125		010875	Clamp, Muffler 2.000 Dia U Pld	1
126		105734	Pipe, Muffler Extension Elbow 1.750 Od	1
127		260961	Bracket, Mtg Switch	1
128		190206	Cable, Bat Neg 42.000 No 1 Awg W/Clamp & .400 Rng	1
129		264019	Cable, Bat Pos 24" No 1 Awg/8ga Aux W/Clamp & .400	1
130		266385	Bracket, Battery Holddown	1
131		201006	Bolt, J Stl .312-18 X 8.500 Pld	2
		208041	Spacer, Stl .323 Id X .625 Od X .141 Thk	2
132		264924	Bracket, Battery Locator	1
133			Battery, Stor 12V 925 Crk 195 Rsv Gp 31 Maint Free	1
134		191897	Bracket, Mtg Unit	4
135		+269943	Base	1
136		272342	Label, Warning Do Not Weld On Base (En/Fr-Sym)	2
137			Label, Rating Card (Order By Model & Serial No.)	1
138		272343	Label, Warning General Precautionary (En/Fr-Sym)	2
139		260105	Label, Component Layout Control Box	1
140		258582	Cover, Control Box	1
141		Figure 1-2	Control Box Assembly	1
142		248940	Bracket, Mtg Stabilizer	1
143	Z1	249772	Stabilizer	1
144	R3, R8	189699	Resistor, Ww Tap 375 W 10 Ohm W/Mtg Bkt	1
145		275610	Shroud, Cover Stabilizer	1
146		206352	Brace, Front To Center Upright	2
147		256487	Pan, Vault & Capacitors	1
148		191448	Cover, Top Front Upright	1
149		207096	Cover, Box Front Upright	1
150		+254117	Upright, Front	1
151		272337	Label, Warning Safety Air System (En/Fr-Sym)	1

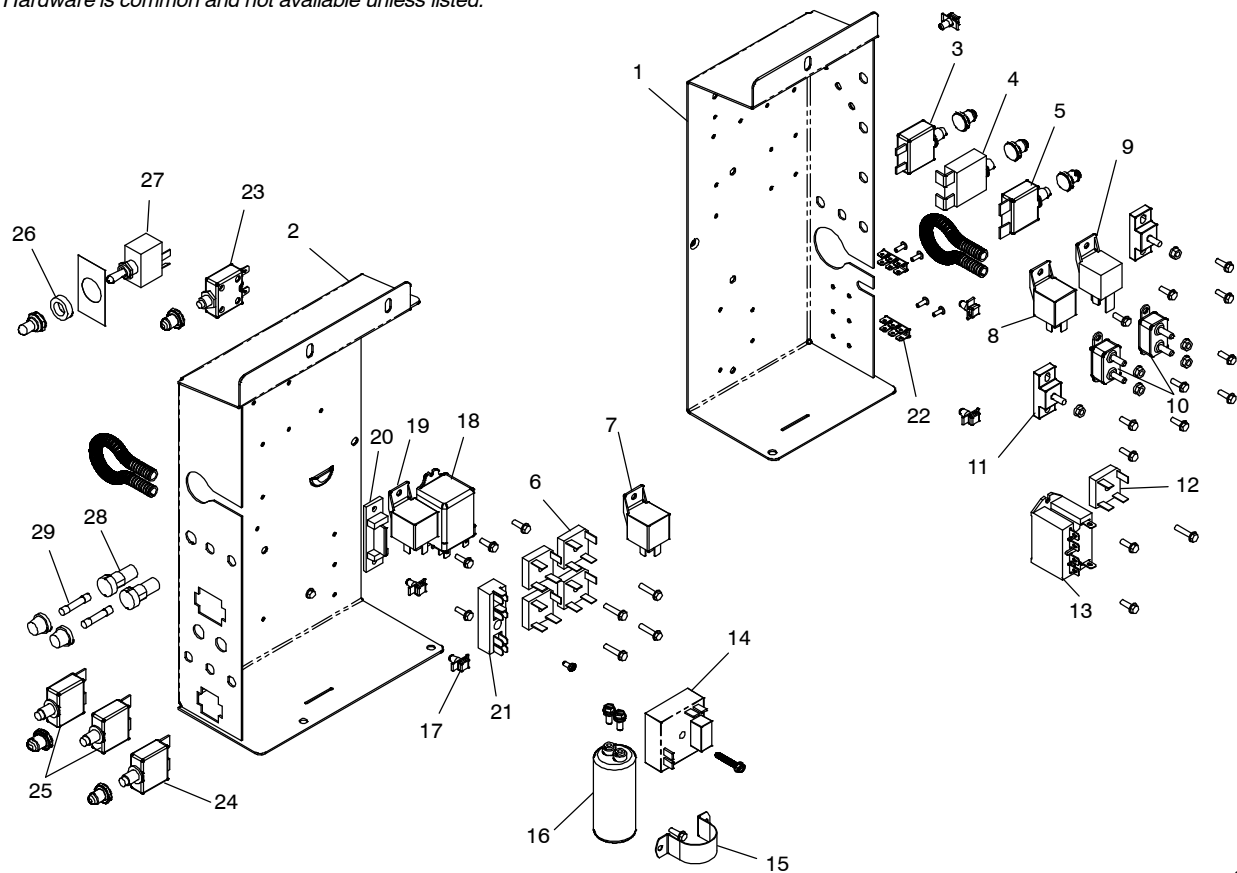
To maintain the factory original performance of your equipment, use only Manufacturer's Suggested Replacement Parts. Model and serial number required when ordering parts from your local distributor.

◆ **OPTIONAL**

*Recommended Spare Parts.

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

 Hardware is common and not available unless listed.



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Figure 1-2. Control Box Assembly

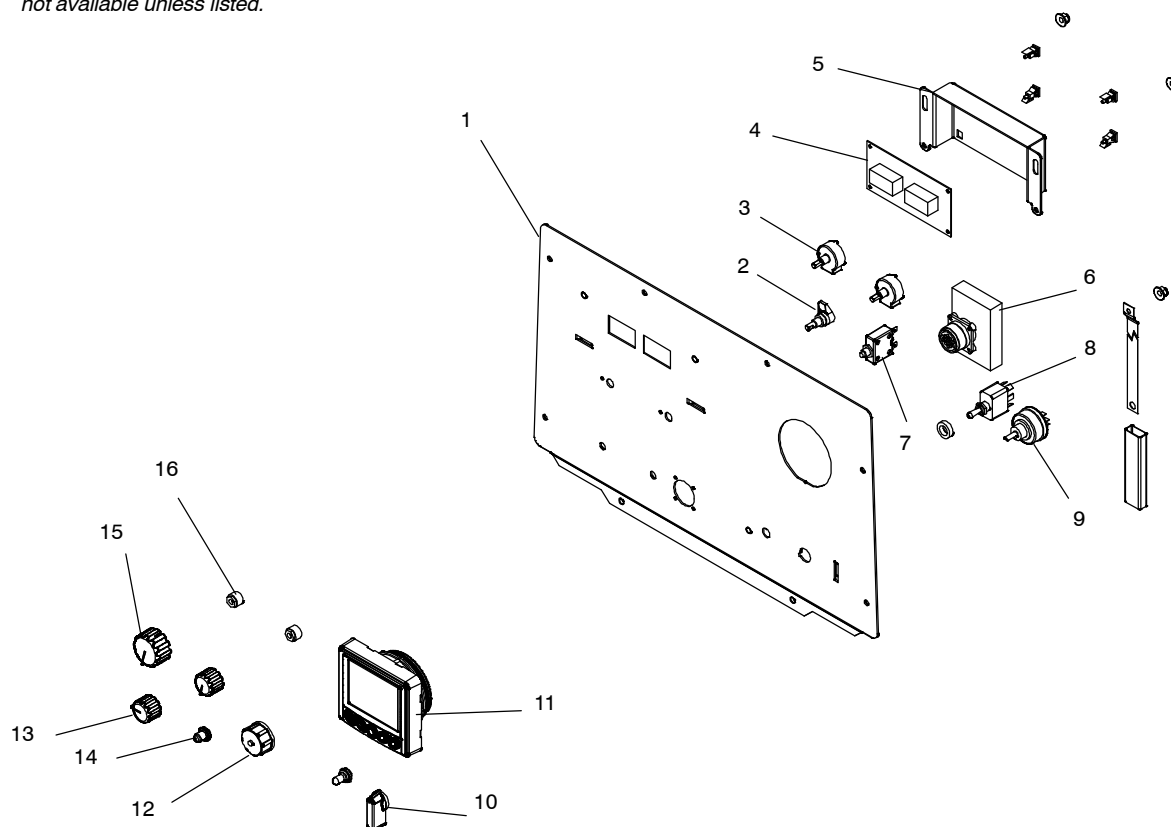
Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 1-2. Control Box Assembly (Figure 1-1 Item 141)				
... 1		258576	.. Control Box, Rh	1
... 2		258577	.. Control Box, Lh	1
... 3	CB11	093997	.. Supplementary Protector, Man Reset 1p 30A 250VAC	1
... 4	CB12	093996	.. Supplementary Pro, Man Reset 1p 20A 250VAC Frict	1
... 5	CB2	139266	.. Supplementary Protector, Man Reset 1p 15A 250VAC	1
... 6	SR1-SR4	035704	.. Rectifier, Integ Bridge 40. Amp 800V	4
... 7	CR4	173069	.. Relay, Encl 12VDC Spdt 30A/20A 5pin Flange Mtg	1
... 8	CR3	258445	.. Relay, Encl 12VDC Spdt 50A/14VDC W/Diode 5pin	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	CR15	♦268474	.. Relay, Delay Fix 12VDC Spst (N.O.) 10A 30sec	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	CR10	113247	.. Relay, Encl 12VDC Dpdt 20A/120VAC 8pin Flange Mtg	1
... 19	CR14	♦090104	.. Relay, Encl 12VDC Spst 30A/15VDC 5pin Flange Mtg	1
... 20	C10/D10	189701	.. Diode/Capacitor Board	1
... 21	TE2	190210	.. Block, Term 5-3-3	1
... 22		129524	.. Term, Frict 250x032 Uninsul Male .130 Stud Mtg 3pr	2
... 23	CB15	083432	.. Supplementary Pro, Man Reset 1p 10A 250VAC Frict	1
... 24	CB14	♦139266	.. Supplementary Protector, Man Reset 1p 15A 250VAC	1
... 25	CB3-CB4	139266	.. Supplementary Protector, Man Reset 1p 15A 250VAC	2
... 26		202209	.. Spacer, Nylon .805 Od X .510 Id X .220 Lg	1
... 27	S5	028111	.. Switch, Tgl Dpst 20A 250V Spd Term	1
...		021385	.. Boot, Toggle Switch Lever	1
... 28	F1-F2	256852	.. Holder, Fuse Mintr W/10A Slo-Blo Fuse	2
... 29		*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

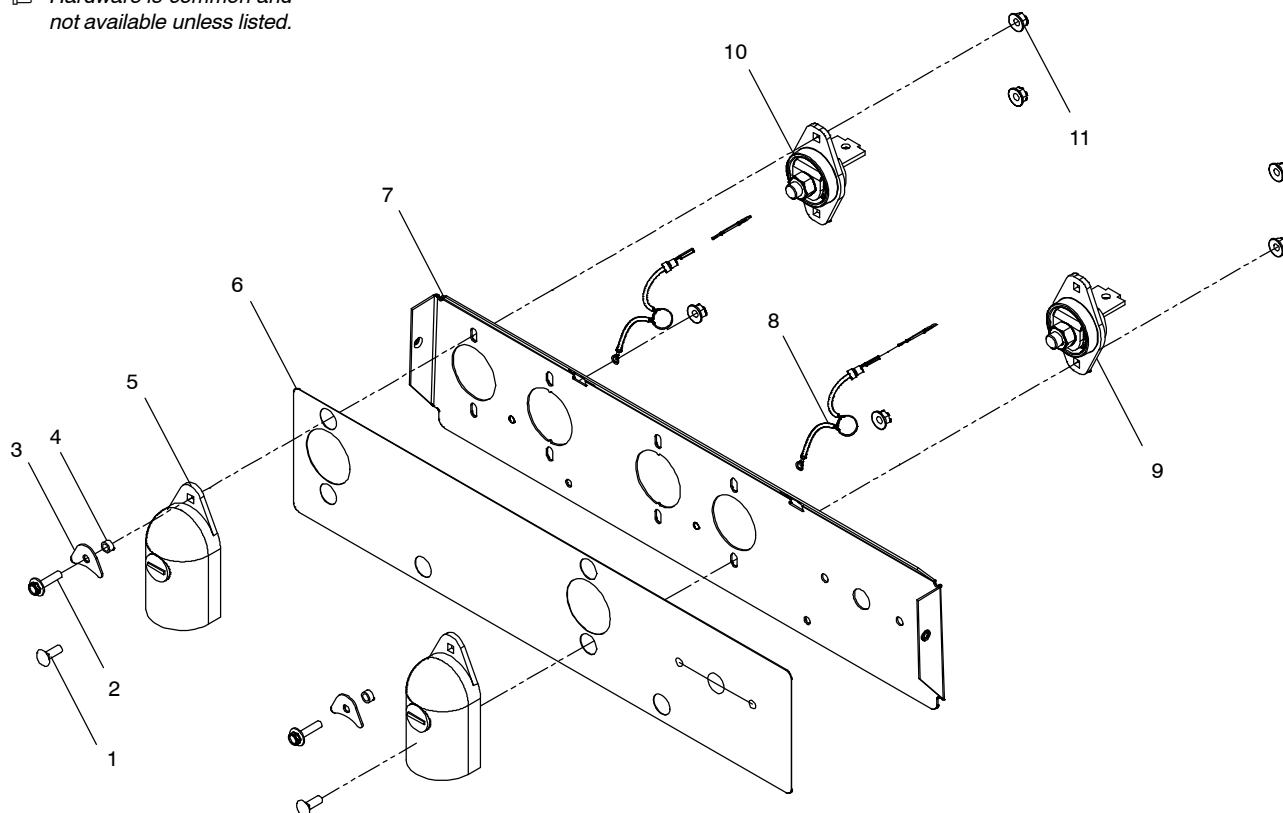
Item No.	Dia. Mkgs.	Part No.	Description	Quantity
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Figure 1-3. Panel, Front Engine & Weld Controls (Figure 1-1, Item 3)

.....			Label, Nameplate (Order by model and serial number)	1
... 1		256560 ..	Panel, Front Engine/Weld Control	1
... 2	R1	246961 ..	Switch, Rotary 8 Posn 1p 200mA 28VDC W/Resistors	1
... 3	R2,R5	193118 ..	Pot, Cp Flat 1t 2. W 1k Ohm Linear	2
... 4	PC2	247416 ..	Circuit Card Assy, Display W/Program	1
... 5		248914 ..	Enclosure, Circuit Card Assy	1
... 6	PC5	242263 ..	Circuit Card Assy, Connector/Receptacle (R)	1
... 7	CB9	083432 ..	Supplementary Pro, Man Reset 1p 10A 250VAC Frict	1
.....		201244 ..	Washer, Tooth.728idx1.166odx.050t Stl Pld Int.688	1
... 8	S10	206624 ..	Switch, Tgl Sptt 6A 125VAC (On)–On–(On)Spd Term	1
... 9	S1	217680 ..	Switch, Ignition 4 Position W/Out Handle	1
... 10		207073 ..	Lever, Ignition Switch	1
... 11 ..	DISPLAY ..	256689 ..	Display, Lcd Alphanumeric Engine	1
... 12		170391 ..	Conn, Circ Ms Protective Cap Size 20 Nylon	1
... 13		207080 ..	Knob, Pointer 1.125 Dia	2
... 14		190323 ..	Boot, Circuit Breaker Clear Hex Nut	1
... 15		218764 ..	Knob, Pointer 1.625 Dia	1
... 16		072590 ..	Lock, Shaft Pot .375–32 X .250 Dia Shaft Tall	2
.....		270453 ..	Label, Warning Read Owner's Manual Wordless	1
.....		242579 ..	Screw, K40x 10 Pan Hd–Phl Stl Pld Pt Thread Forming	4
.....		134201 ..	Stand–Off Support, Pc Card .312/.375w/Post&Lock .43	4
.....		152461 ..	Nut, 250–20 .44hex .23h Stl Pld Sem Cone Wshr.65d	3

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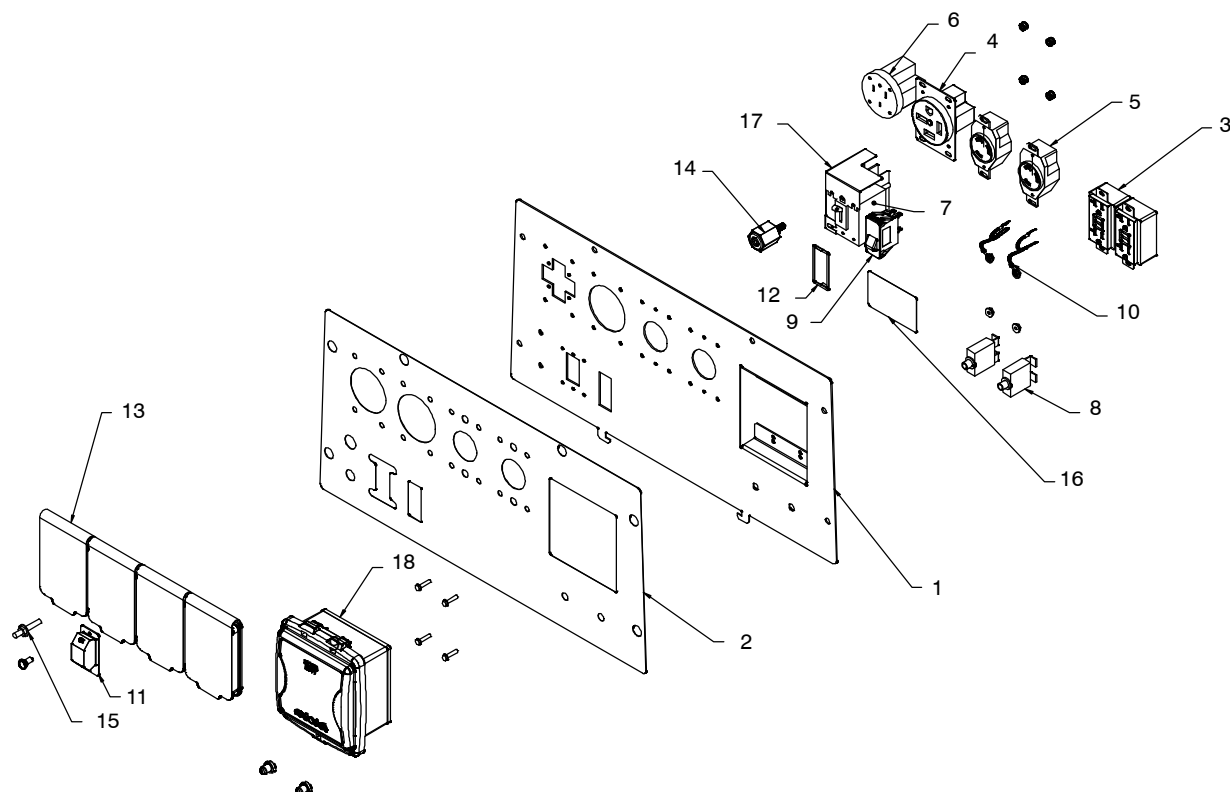


259995

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	2
2		108941	Screw, 250-20x1.00 Hexwhd.61d Gr5 Pld	2
3		180735	Washer, Output Stud	2
4		181169	Spacer, Output Stud	2
5		186621	Boot, Generic Output Stud	2
6		259993	Label, Output Panel W/Polarity	1
7		258685	Panel, Mtg Terminal Power Output	1
8	C4, 5	128750	Capacitor, Cer Disc .1 uF 500 VDC W/Terms	2
9		241433	Terminal, Pwr Output Black	1
10		241432	Terminal, Pwr Output Red	1
		108941	Screw, 250-20x1.00 Hexwhd.61d Gr5 Pld	2
11		152461	Nut, 250-20 .44hex .23h Stl Pld Sem Cone Wshr.65d	6
		010381	Connector, Rectifier	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-B

Figure 1-5. Panel, Auxiliary Power North America

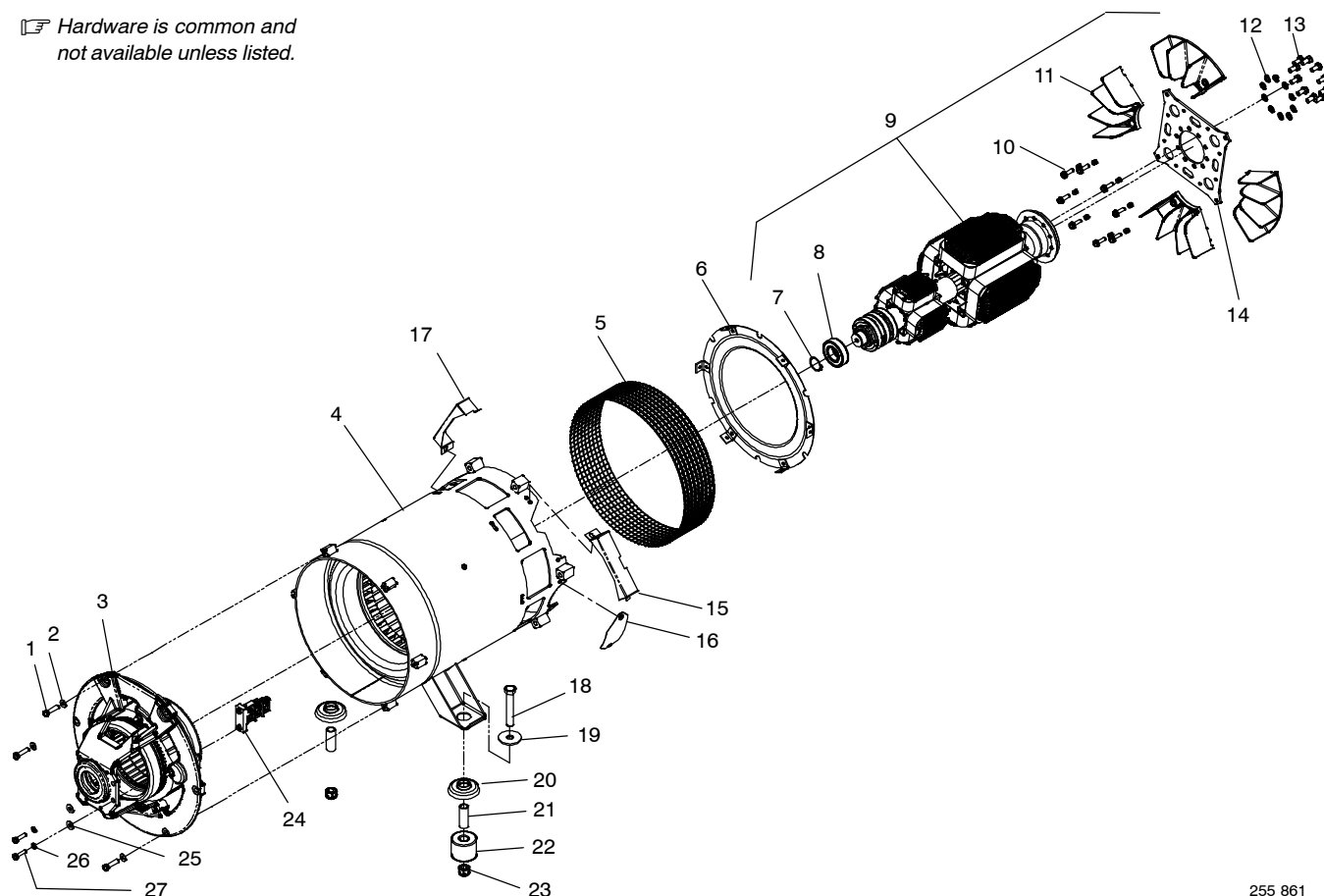
Item No.	Dia. Mkgs.	Part No.	Description	Quantity
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Figure 1-5. Panel, Auxiliary Power North America (Figure 1-1, Item 2)

...	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/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

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 1-6. Generator

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
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Figure 1-6. Generator (Figure 1-1, Item 46)

...	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
...		602159	.. Screw, 312-18x .75 Hexwhd.66d Stl Pld Slffmg Tap-Rw	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	206242	.. Fan, Rotor Segmented Assy Gen	4
...	12	083883	.. Washer, Lock .402idx0.709odx.087t Stl Pln Split10mm	10
...	13	049026	.. Screw, M10-1.5x 25 Hex Hd-Pln 8.8 Pln	10
...	14	210332	.. Plate, Flex Hubmount	1
...	15	191577	.. Guard, Starter Deutz	2

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 1-6. Generator (Continued)				
... 16		191579	.. Cover, Starter Hole	1
... 17		191580	.. Cover, Starter Hole Deutz	1
... 18		199849	.. Screw, 625-11x4.00 Hex Hd-pln Gr5 Pld	2
... 19		071731	.. Washer, Flat .656idx2.250odx.187t Stl Pld	2
... 20		071890	.. Retainer, Mount Eng/Gen	2
... 21		071730	.. Tubing, Stl .875 Od X12ga Wall X 2.500	2
... 22		083476	.. Mount, Eng/Gen Nprn .875id X 2.500od X 2.000 60 Dur	2
... 23		135205	.. Nut, 625-11 .94hex .77h Stl Pld Elastic Stop Nut	2
... 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.

 Hardware is common and not available unless listed.

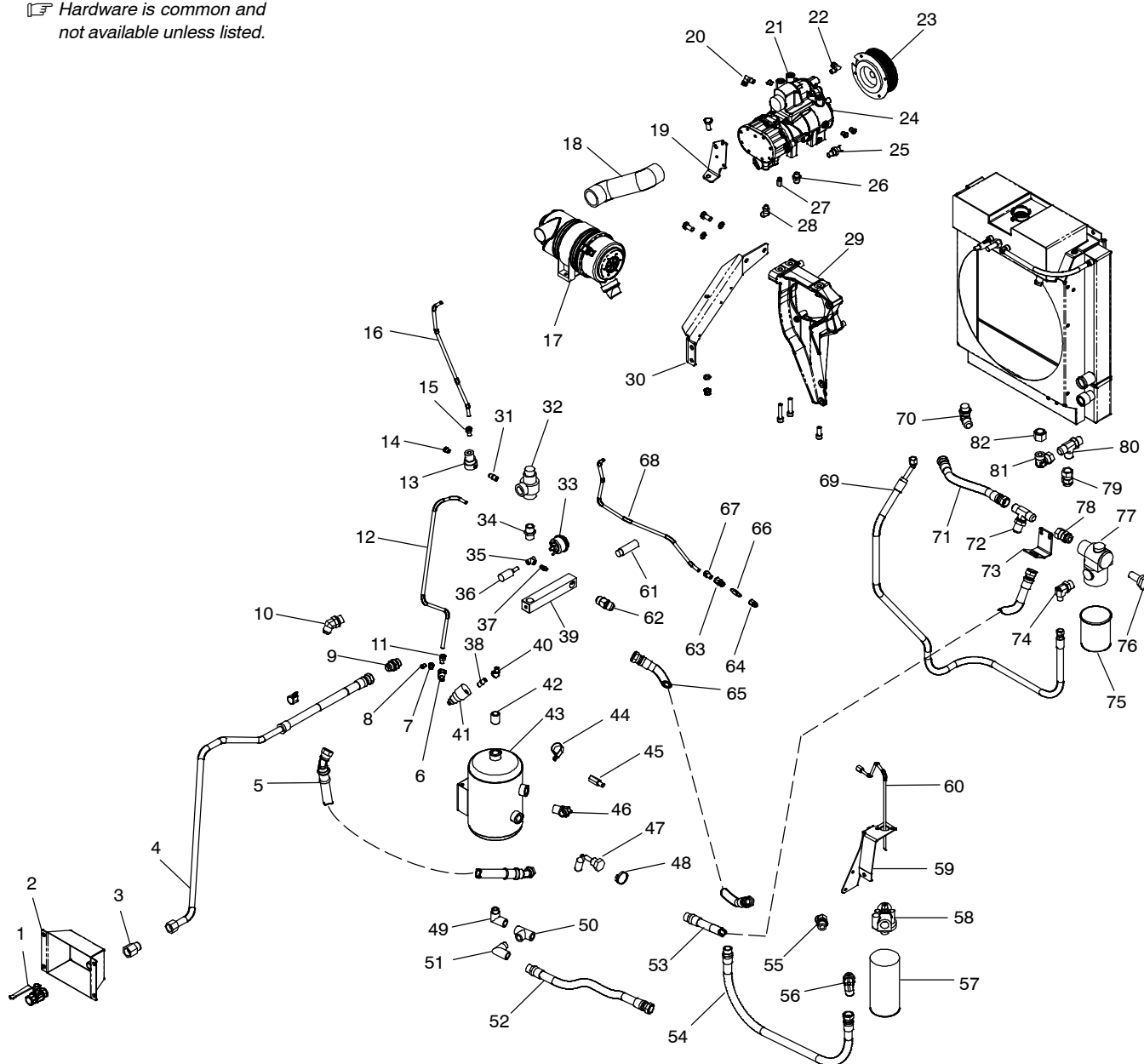


Figure 1-7. Air Compressor

255 862

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 1-7. Air Compressor (Figure 1-1 Item 76)				
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

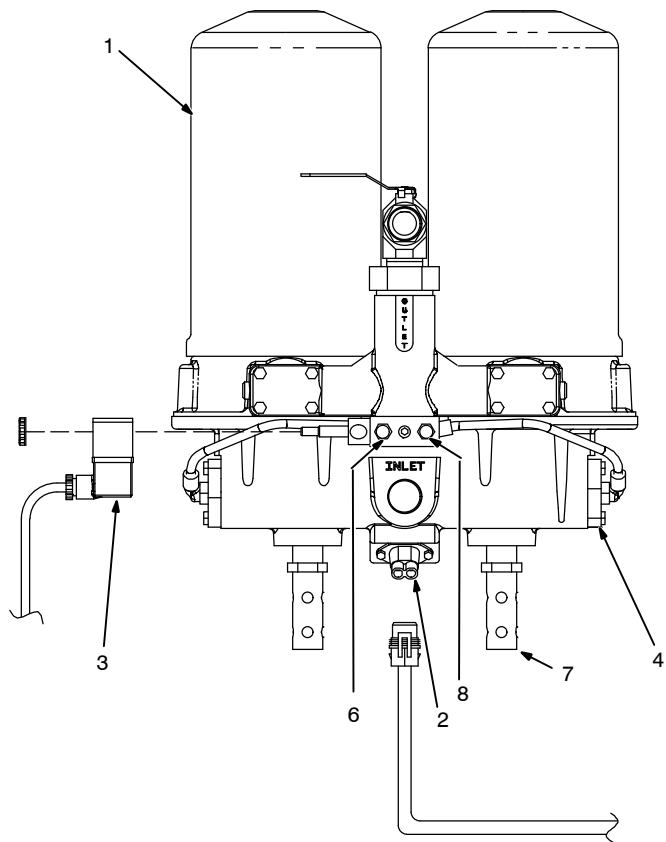
Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 1-7. Air Compressor (Continued)				
12		260317	Hose, Nylon Blue 1/4 Id X 3/8 Od X 30-1/2 Lg	1
13		210054	Valve, Automatic Blowdown	1
14		210040	Orifice/Muffler, Blowdown .120	1
15		209854	Ftg, Pipe Stl Adapter M 1/4 Npt X 1/4 Line	1
16		260318	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
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
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		272762	Sender, Pressure Oil 0- 200 Psi	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 Schedual 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
66		210027	Valve, Check/Scavenge Orifice/Screen	1
67		209854	Ftg, Pipe Stl Adapter M 1/4 Npt X 1/4 Line	1

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 1-7. Air Compressor (Continued)				
... 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 Orfs	1

*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.



803 328

Figure 1-8. Optional Air Dryer Assemblies

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
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Figure 1-8. 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

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. MG161217R Thru MH320244R

 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 Spdt 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

Eff w/Serial No. MG161217R Thru MH320244R

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Wiring Harnesses				
.....		258580 ..	Harness, Weld BB500 (Includes)	1
.....	PLG6	193184 ..	Conn, Rect Cinch 30 Pin	1
.....	PLG7, PLG11	193183 ..	Conn, Rect Cinch 18 Pin	2
.....	PLG10, PLG20	113751 ..	Conn, Rect Mini 045 8skt 2row Plug Cable Lkg	1
.....	PLG2, PLG9	214951 ..	Conn, Rect Univ 039 6p/S 3row Plug Cable Lkg Seal	2
.....	RC3	155129 ..	Conn, Rect Univ 039 6p/S 3row Rcpt Cable/Panel Lkg	1
.....	PLG8	231708 ..	Conn, Rect Univ 039 10p/S 2row Plug Cable Lkg Seal	1
.....	PLG5	113750 ..	Conn, Rect Mini 045 4skt 2row Plug Cable Lkg	1
.....	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
.....		259318 ..	Cable, Lem 50 In	1
.....		196602 ..	Plug, Cavity 18,30 Position Cinch Connector	17
.....		129524 ..	Term, Frict 250x032 Uninsul Male .130 Stud Mtg 3pr	1
.....		214933 ..	Seal, Wire Univ 039	14
.....		214934 ..	Seal, Plug Univ 039	13

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Optional Components For Work Truck Configuration				
.....		277104 ..	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
.....	277120 ..	..	Label, Weight & Dimensions	1
.....	210972 ..	..	Label, Stop Engine 1 In High Letters Rr	1

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