



PM-275798A

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

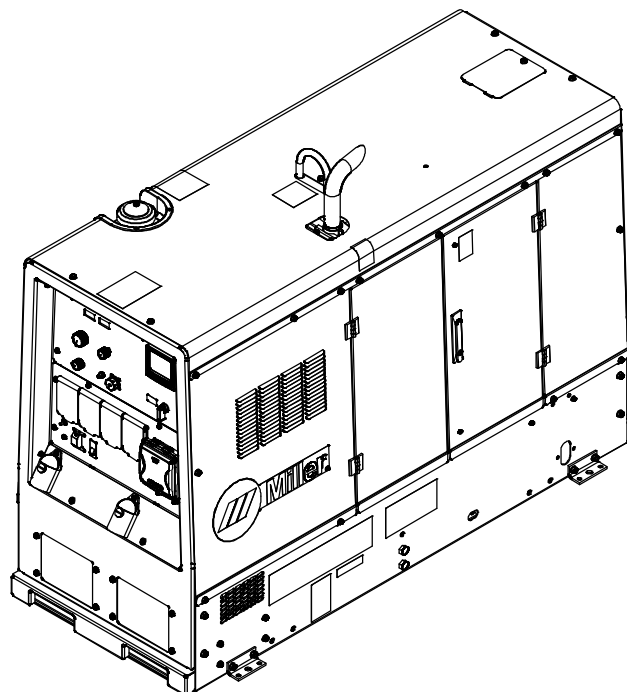


Engine Driven Welder/Generator

Big Blue[®] 500 Pro

Kubota

Eff w/Serial No. MG430311R Thru MH410750R



PARTS MANUAL



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

www.MillerWelds.com

SECTION 1 – PARTS LIST

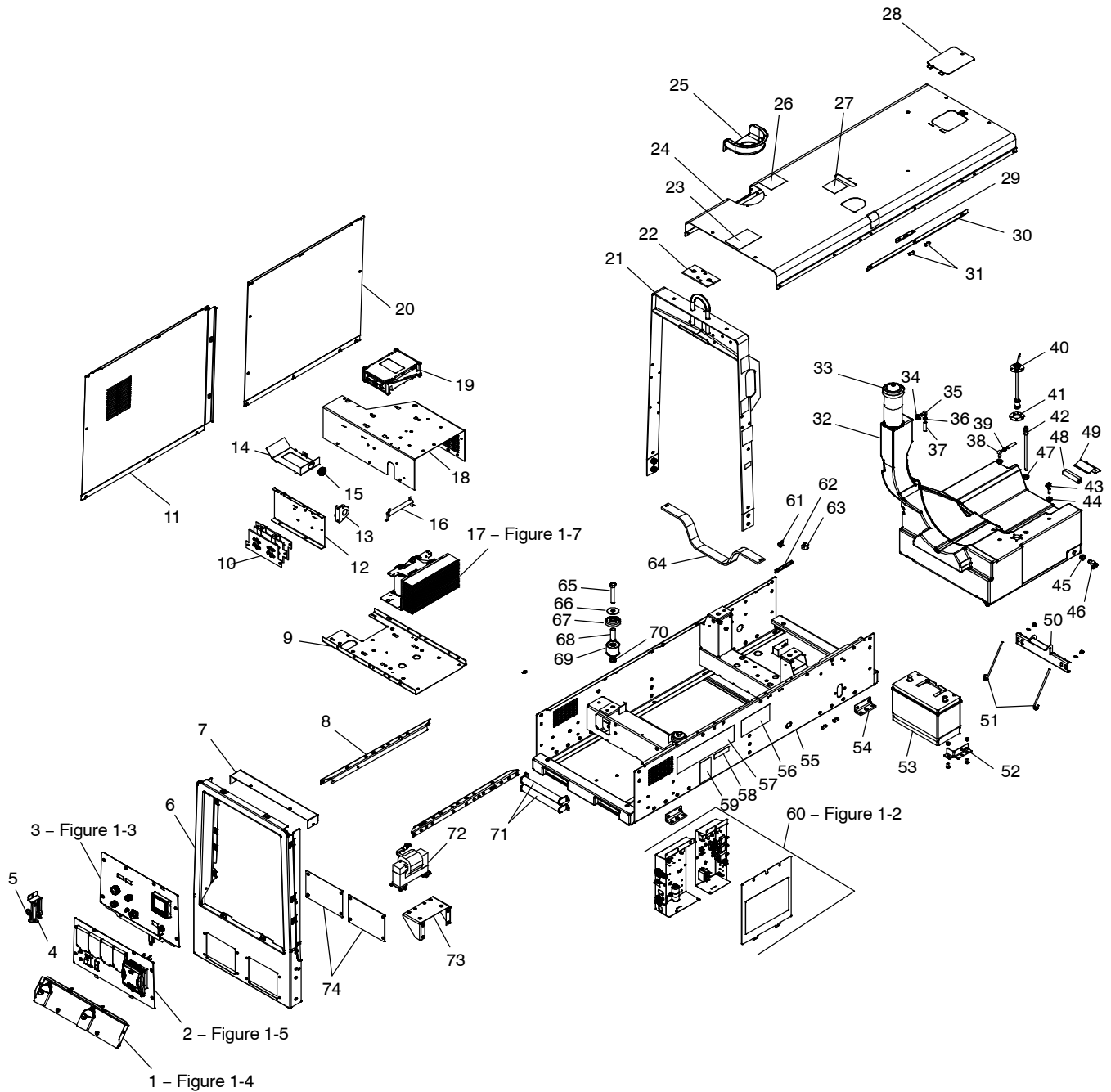
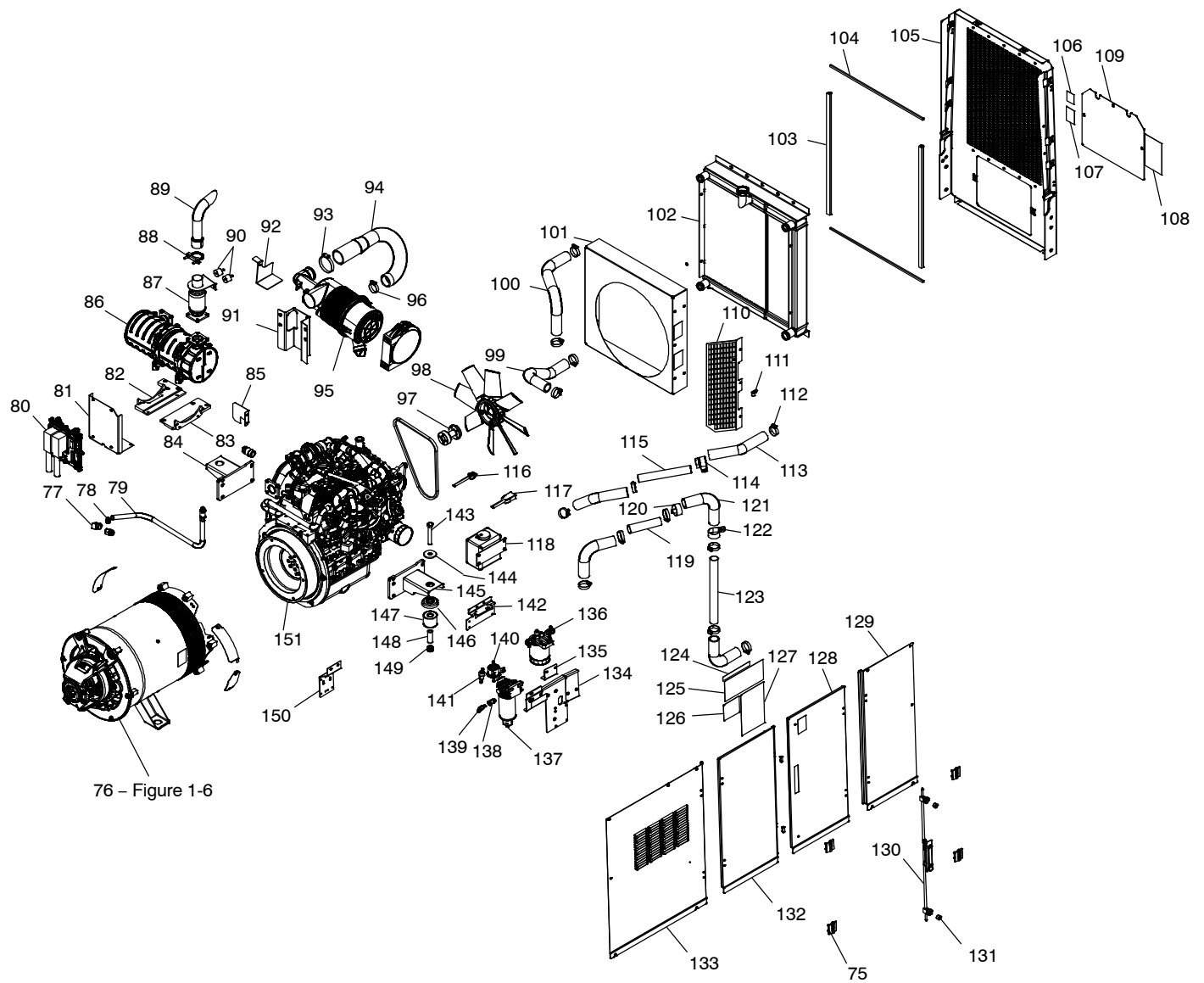


Figure 1-1. Main Assembly



Eff w/Serial No. MG430311R And Following

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
		270453	Label, Warning Read Owner's Manual Wordless	1
4	TE1	255682	Block, Term Assy Standard W/Clamp	1
5	CT1	105370	Xfmr, Current	1
6		254117	Upright, Front	1
7		191448	Cover, Top Front Upright	1
8		206352	Brace, Front To Center Upright	2
9		256487	Pan, Vault & Capacitors	1
10	SR6	255758	Rectifier, Si 3ph 400 Amp 600 Piv 100% Duty Cycle	1
11		259407	Panel, Generator Lh	1
12		258909	Bracket, Mtg Rectifier	1
13	HD1	168829	Transducer, Current 1000A Module Max Open Loop	1
14		273098	Baffle, Air Rectifier/Diodes	1
15		245520	Bushing, Snap-In Nyl 1.062 Id X 1.500 Mtg Hole Cent	1
16		188067	Resistor, Ww Fxd 100 W 200 Ohm W/Clips	1
17		Figure 1-7	Weld Output Module	1
18		258908	Windtunnel, Rect/Cap	1
19	PC1	258545	Module, Main Control/IGBT Gating (BB500Pro)	1
20		259533	Panel, Engine Extension Lh	1
21		+255669	Upright, Center Assy	1
		272334	Label, Warning Moving Parts (En/Fr-Sym)	1
		272333	Label, Warning Hot Parts (En/Fr-Sym)	2
		272331	Label, Notice Do Not Spray Water (En/Fr-Sym)	1
22		189464	Seal, Weather Lift Eye	1
23		272340	Label, Danger Using Generator Indoor (En/Fr/Sp-Sym)	1
24		+272948	Cover, Top	1
25		189052	Grommet, Plastic Neck Filler Fuel	1
26		272338	Label, Use Diesel Fuel Only (En/Fr-Sym) (Prior to MH060318R)	1
26		227728	Label, Warning Use Diesel Fuel Only (Trilingual) (Eff w/MH060318R)	1
27		272339	Label, Warning Falling Equipment (En/Fr-Sym)	1
		272333	Label, Warning Hot Parts (En/Fr-Sym)	1
28		201851	Cover, Radiator Access	1
29		261785	Bracket, Retainer Rod	1
30		259889	Channel, Stiffener Engine Access	1
31		191626	Bumper, Door Access Engine	6
32		268932	Tank, Fuel (Consisting Of)	1
33		254678	Cap, Tank Screw-On 3.500 In W/Vent W/Lanyard 8in	1
34		124253	Bushing, Tank Fuel	3
35		189912	Fitting, Stl Barbed Elbow W/.047 In Orf Zinc Pld	1
36		084173	Clamp, Hose .460 - .545 Clp Dia Slftng	1
37		107816	Hose, Sae .250 Id X .500 Od Xcoil	4.046 ft
38		189913	Fitting, Stl Barbed Elbow Zinc Pld	1
39		084173	Clamp, Hose .460 - .545 Clp Dia Slftng	1
40		264196	Sender, Fuel Gauge Reed Switch 9in	1
41		228054	Gasket, Fuel Sender/Fuel Tank	1
42		268931	Ftg, Stand Pipe Hose .500 X 9.538 Lg Str Zinc	1
43		189910	Fitting, Stand Pipe Hose .3125 X 9.260 Lg 90deg Zinc	1
44		124253	Bushing, Tank Fuel	3
45		181572	Bushing, Tank Fuel	2
46		189908	Valve, Drain Fuel 180 Deg Zinc Pld	1
47		181572	Bushing, Tank Fuel	1
48		263418	Extrusion, Rubber W/Adhesive 4.250lg	1
49		196220	Bracket, Holddown Fuel Tank Rear	1
50		266385	Bracket, Battery Holddown	1
51		201006	Bolt, J Stl .312-18 X 8.000 Pld	2
52		264924	Bracket, Battery Locator Adj	1
53			Battery, Stor 12V 925 Crk 195 Rsv Gp 31 Maint Free	1
54		191897	Bracket, Mtg Unit	4
55		269943	Base	1
56		272342	Label, Warning Do Not Weld On Base (En/Fr-Sym)	2

Eff w/Serial No. MG430311R And Following

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 1-1. Main Assembly (Continued)				
57		272343	Label, Warning General Precautionary (En/Fr-Sym)	2
58			Serial Number Label (Order by model and serial number)	1
59			Rating Card Label (Order by model and serial number)	1
60	Figure 1-2		Control Box	1
61		020279	Clamp, Stl Cush .687 Dia X .281 Mtg Hole	2
62		261785	Bracket, Retainer Rod	1
63		192362	Bracket, Mtg Nyl 1/2 Conduit	1
64		218086	Bracket, Holddown Fuel Tank	1
65		199849	Screw, 625-11x4.00 Hex Hd-Pln Gr5 Pld	2
66		071731	Washer, Flat .656idx2.250odx.187t Stl Pld	2
67		071890	Retainer, Mount Eng/Gen	2
68		071730	Tubing, Stl .875 Od X12ga Wall X 2.500	2
69		083476	Mount, Eng/Gen Nprn .875id X 2.500od X 2.000 60 Dur	2
70		135205	Nut, 625-11 .94hex .77h Stl Pld Elastic Stop Nut	2
71	R3, R8	189699	Resistor, WW Tap 375 W 10 Ohm W/Mtg Bkt	2
72	Z1	249772	Stabilizer	1
73		248940	Bracket, Mtg Stabilizer	1
74		207096	Cover, Box Front Upright	2
75		189975	Hinge, Door Access 180 Deg	4
76	+Figure 1-6		Generator	1
		272334	Label, Warning Moving Parts (En/Fr-Sym)	2
77		274510	Ftg, Oil Drain Brs 90deg Elbow M22-1.5 X 1/2 Tbg	1
78		023562	Clamp, Hose .312 - .875 Clp Dia	1
79		199505	Hose Assy, Oil Drain 32.000 Lg	1
80			Engine Ecu (Available Through Kubota Service)	1
81		270599	Bracket, Mtg Ecu	1
82		271690	Assy, Mtg Doc Lh	1
83		272515	Assy, Mtg Doc Rh	1
84		270239	Bracket Assy, Mtg Engine Lh	1
85		272610	Guard, Alternator W/Heat Shield	1
86			DOC (Available Through Kubota Service)	1
87		272888	Pipe, Exhaust Flex Straight	1
88		010875	Clamp, Muffler 2.000 Dia U Pld	1
89		105734	Pipe, Muffler Extension Elbow 1.750 Od	1
90		256251	Mount, Vibration	2
91		270598	Bracket, Mtg Air Cleaner	1
92		273517	Shield, Heat Mass Air Flow Sensor	1
93		023313	Clamp, Hose 1.312 - 3.500 Clp Dia	1
94		270236	Hose, Air Cleaner To Turbo	1
95			Air Filter Assembly	1
		*273283	Filter, Air Element Primary	1
		*273284	Filter, Air Element Safety	1
		*273288	Belt, Fan	1
		*273289	Separator, Oil W/O Ring	1
96		010861	Clamp, Hose 1.312 - 2.250 Clp Dia	1
97		271479	Adapter, Fan	1
98		207203	Fan, Engine Cooling 18.000 8 Blade Suction	1
99		270237	Hose, Radiator Lower	1
100		270238	Hose, Radiator Upper	1
101	+270592		Shroud, Fan	1
		272333	Label, Warning Hot Parts (En/Fr-Sym)	2
		272334	Label, Warning Moving Parts (En/Fr-Sym)	2
102		270075	Radiator, W/Cac	1
103		260226	Extrusion, Rubber W/Adhesive .750 X .750 X 27.000	2
104		272573	Extrusion, Rubber W/Adhesive .375 X .250 X 24.000	2
105	+254275		Upright, Rear Radiator	1
106		272335	Label, Notice Do Not Disconnect Battery (En/Fr-Sym)	1
107		272334	Label, Warning Moving Parts (En/Fr-Sym)	1
108		272341	Label, Warning Battery Explosion (En/Fr-Sym)	1
109		201183	Cover, Battery Access	1
110		272611	Guard, Fan	1
111		010021	Clamp, Stl Cush .562 Dia X .343 Mtg Hole	1

Eff w/Serial No. MG430311R And Following

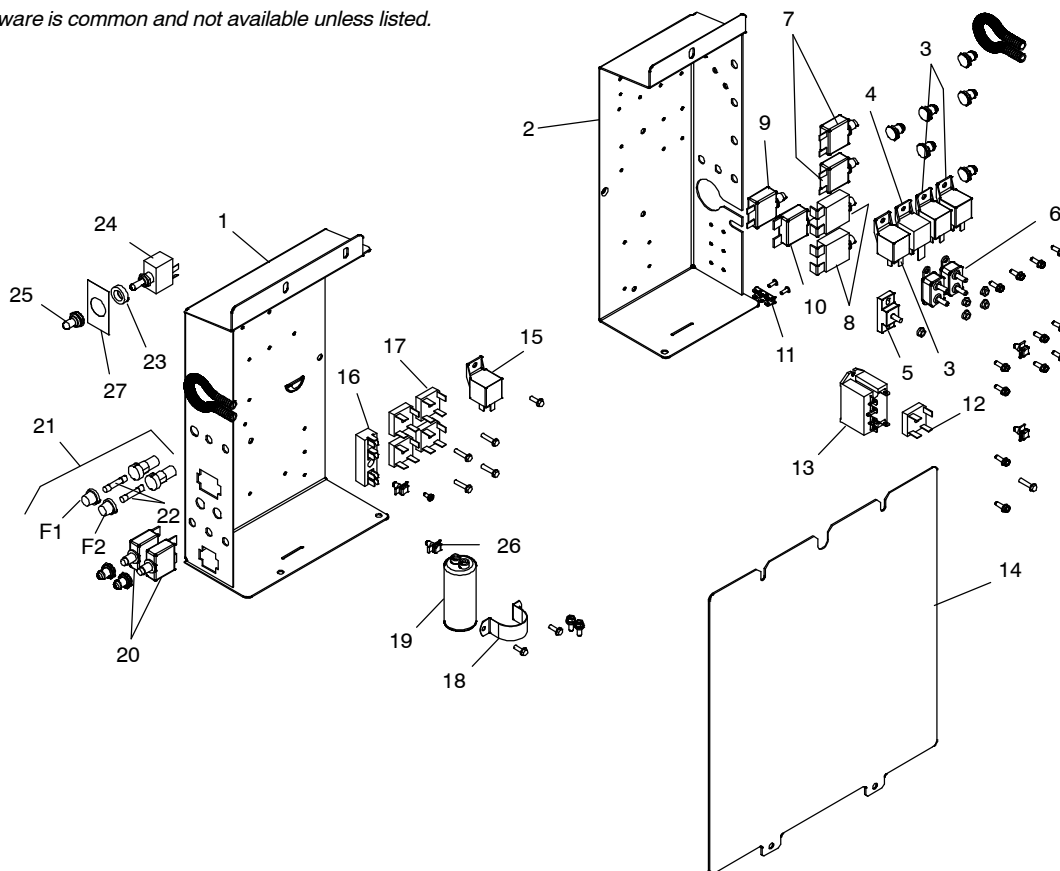
Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 1-1. Main Assembly (Continued)				
.. 112		273690	.. Clamp, Hose 1.260 – 2.244 Clp Dia Stnls Stl Lined	10
.. 113		270593	.. Hose, Cac Elbow 45deg	2
.. 114		089256	.. Clamp, Stl Cush 1.750 Dia X .531 Mtg Hole	1
.. 115		270595	.. Tube, Cac Upper	1
.. 116		272970	.. Cable, Bat Neg 42.000 No 1 Awg W/Clamp & .400 Rng	1
.. 117		264020	.. Cable, Bat Pos 45in No 1 Awg/8ga Aux W/Clamp & .400	1
.. 118		190190	.. Tank, Coolant Recovery	1
.. 119		270596	.. Tube, Cac Lower (Short)	1
.. 120		256531	.. Clamp, Stl Cush 2.000 Dia X .531 Mtg Hole	2
.. 121		270594	.. Hose, Cac Elbow 90deg	3
.. 122		256531	.. Clamp, Stl Cush 2.000 Dia X .531 Mtg Hole	1
.. 123		270597	.. Tube, Cac Lower (Long)	1
.. 124		272332	.. Label, Notice Do Not Use Ether (En/Fr–Sym) (Prior to MH060318R)	1
.. 124		227731	.. Label, Caution Do Not Use Ether (Trilingual) (Eff w/MH060318R)	1
.. 125		272444	.. Label, Diesel Engine Maintenance Kubota (V2403)	1
.. 126		217698	.. Label, Help Codes	1
.. 127		257145	.. Label, Suggested Arc Control Settings	1
.. 128		+258905	.. Door, Engine Access Rh	1
		272334	.. Label, Warning Moving Parts (En/Fr–Sym)	1
		272332	.. Label, Notice Do Not Use Ether (En/Fr–Sym)	1
.. 129		258906	.. Panel, Engine Rh	1
.. 130		262502	.. Latch Assy, Swinghandle Sealed W/Lock & Rods	1
.. 131		263245	.. Spacer, Nylon .750 Od X .380 Id X .472 Lg	2
.. 132		258657	.. Door, Engine Access Lh	1
.. 133		259911	.. Panel, Generator Rh	1
.. 134		+271269	.. Bracket, Mtg Fuel Filters/Pump	1
		272555	.. Label, Notice Drain Water From Fuel Filter (En/Fr)	1
.. 135		270603	.. Bracket, Mtg Fuel Filter	1
.. 136		*273285	.. Filter, Fuel Primary Cartridge	1
.. 137		*273286	.. Filter, Fuel/Water Separator Secondary Cartridge	1
		*273287	.. Filter, Oil Cartridge	1
.. 138		270232	.. Ftg, Pipe Adapter 1/4 Female X M14–1.5 Male	1
.. 139		270602	.. Ftg, Hose Brs Elbow 1/4 Male Npt X 1/2 Hose Barbed	1
.. 140			.. Fuel Pump (Available Through Kubota Service)	1
.. 141			.. Fuel Check Valve (Available Through Kubota Service)	2
.. 142		272514	.. Bracket, Mtg Kubota Engine Harness	1
.. 143		199849	.. Screw, 625–11x4.00 Hex Hd–Pln Gr5 Pld	2
.. 144		071731	.. Washer, Flat .656idx2.250odx.187t Stl Pld	2
.. 145		270242	.. Bracket Assy,Mtg Engine Rh	1
.. 146		071890	.. Retainer, Mount Eng/Gen	2
.. 147		083476	.. Mount, Eng/Gen Nprn .875id X 2.500od X 2.000 60 Dur	2
.. 148		071730	.. Tubing, Stl .875 Od X12ga Wall X 2.500	2
.. 149		135205	.. Nut, 625–11 .94hex .77h Stl Pld Elastic Stop Nut	2
.. 150		272536	.. Bracket, Mtg Kubota Connectors	1
.. 151		263132	.. Engine, Kubota Dsl Elec V2403 (T4f) (Includes)	1
			.. Engine ECU	1
			.. Diesel Oxidation Catalyst (DOC)	1
			.. Fuel Pump	1
			.. Fuel Check Valve	1

*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.



272 388-B

Figure 1-2. Control Box Assembly

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
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Figure 1-2. Control Box Assembly (Figure 1-1 Item 60)

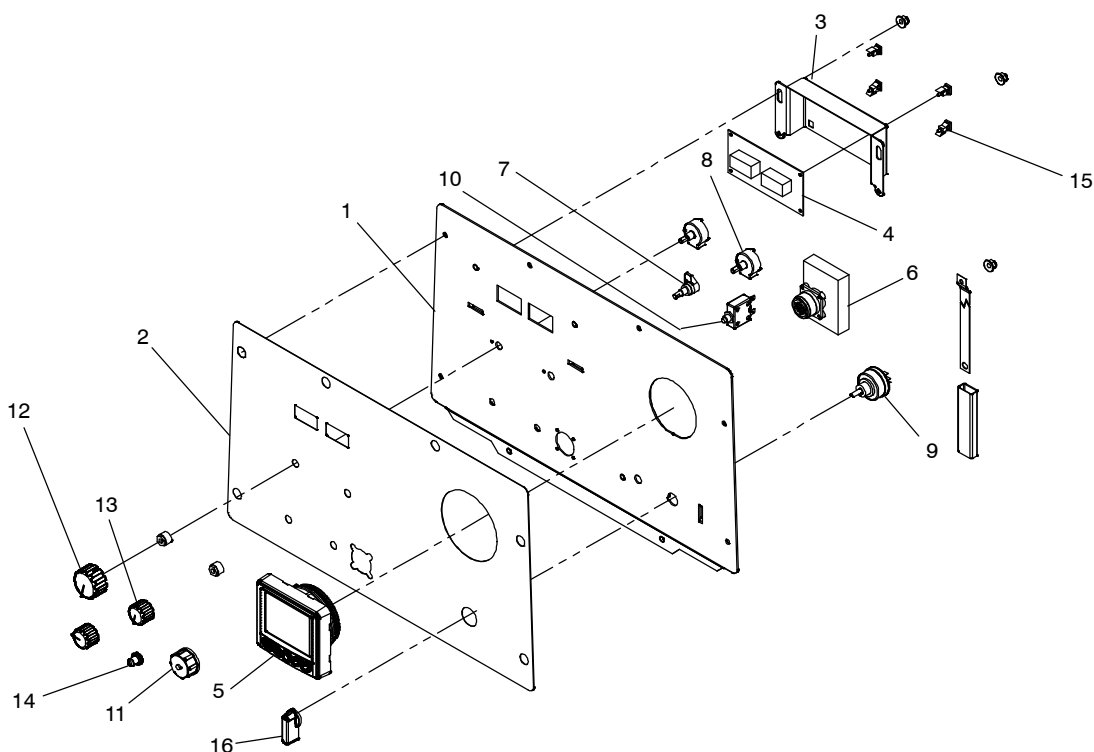
...	1	258577	Control Box, Lh	1
...	2	258576	Control Box, Rh	1
...	3	CR1, CR2, CR3	Relay, Encl 12VDC Spdt 50A/14VDC W/Diode 5pin	3
...	4	CR8	Relay, Encl 12VDC Spdt 70A/14VDC W/Diode 4pin	1
...	5	TE3	Stud, Connection Single 10-32 X .500 X 1.250 Mtg	1
...	6	CB10, CB13	Circuit Breaker, Auto Reset 12VDC 40 Amp	2
...	7	CB14, CB15	Circuit Breaker, Man Reset 1p 5A 250VAC Frict	2
...	8	CB16, CB17	Supplementary Pro, Man Reset 1p 20A 250VAC Frict	2
...	9	CB11	Supplementary Protector, Man Reset 1p 30A 250VAC	1
...	10	CB2	Supplementary Protector, Man Reset 1p 15A 250VAC	1
...	11		Term, Frict 250x032 Uninsul Male .130 Stud Mtg 3pr	1
...	12	SR5	Rectifier, Integ Bridge 40. Amp 800V	1
...	13	CR5	Relay, Encl 12VDC Dpst-No 25A 6pin Flange	1
...	14		Cover, Control Box	1
...	15	CR4	Relay, Encl 12vdc Spdt 30A/20A 5pin Flange Mtg	1
...	16	TE2	Block, Term 5-3-3	1
...	17	SR1-SR4	Rectifier, Integ Bridge 40. Amp 800V	4
...	18		Clamp, Capacitor 1.375 Dia	1
...	19	C6	Capacitor, Elctlt 240 uF 200 VDC Can 1.39 Di	1
...	20	CB3, CB4	Supplementary Protector, Man Reset 1p 15A 250VAC	2
...	21	F1, F2	Holder, Fuse Mintr W/10a Slo-Blo Fuse	2
...	22	*085874	Fuse, Mintr Cer Slo-blo 10. Amp 250 Volt	2
...	23		Spacer, Nylon .805 Od X .510 Id X .220 Lg	1
...	24	S5	Switch, Tgl Dpst 20A 250V Spd Term	1
...	25		Boot, Toggle Switch Lever	1
...	26		Cable Tie Mount, Winged Push	4
...	27		Label, Vrd On/Off	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.

Eff w/Serial No. MG430311R And Following

 Hardware is common and not available unless listed.



272 445

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)

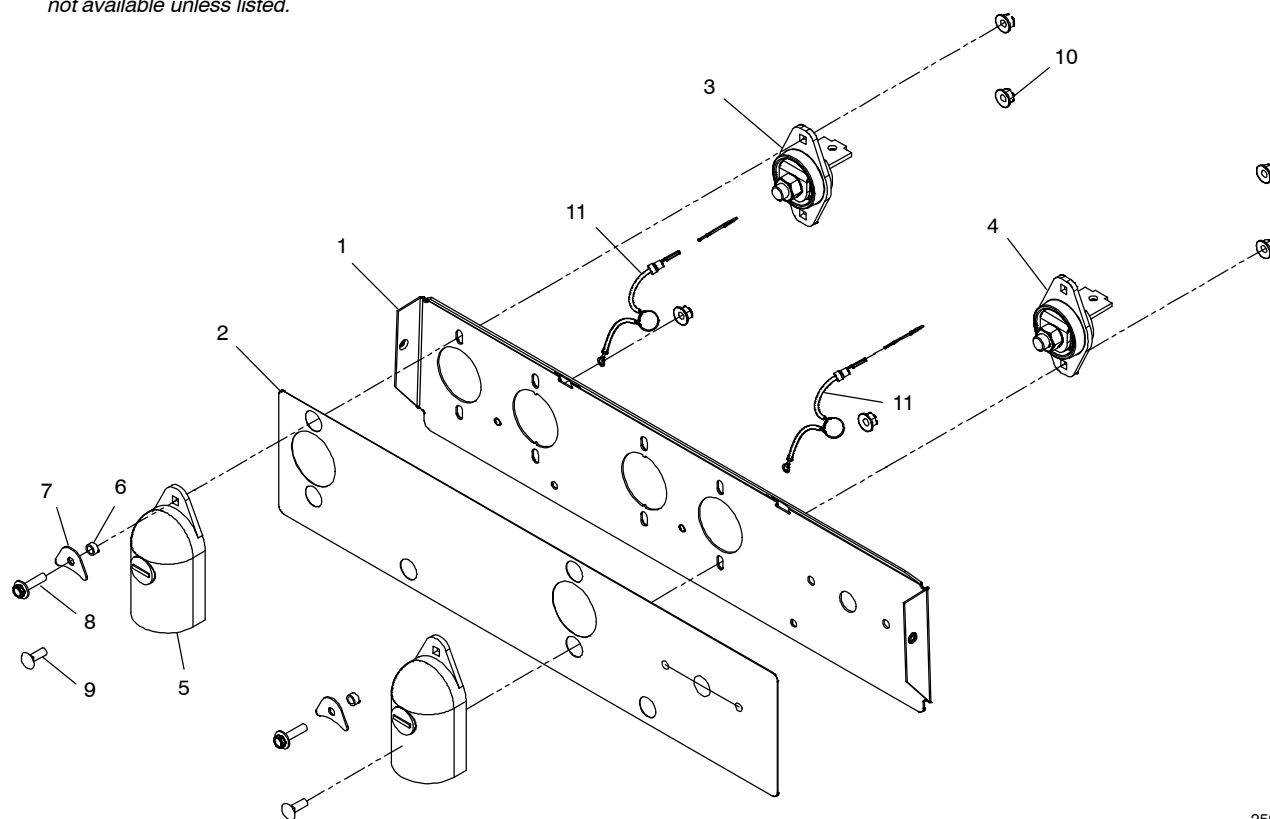
...	1	...	+256560	..	Panel, Front Engine/Weld Control	...	1
...	2	...		..	Label, Nameplate (Order by Model and Serial No.)	...	1
...	3	...	248914	..	Enclosure, Circuit Card Assy	...	1
...	4	...	PC2	..	Circuit Card Assy, Display W/Program	...	1
...	5	..	DISPLAY	..	Display, Lcd Alphanumeric Engine (Kubota)	...	1
...	6	...	PC5	..	Circuit Card Assy, Connector/Receptacle (R)	...	1
...	7	...	R1	..	Switch, Rotary 8 Posn 1p 200mA 28VDC W/Resistors	...	1
...	8	...	R2, R5	..	Pot, Cp Flat 1t 2. W 1k Ohm Linear	...	2
...	9	...	S1	..	Switch, Ignition 4 Position W/Out Handle	...	1
...	10	...	CB9	..	Supplementary Pro, Man Reset 1p 10A 250VAC Frict	...	1
...	11	...		..	Conn, Circ Ms Protective Cap Size 20 Nylon	...	1
...	12	...		..	Knob, Pointer 1.625 Dia	...	1
...	13	...		..	Knob, Pointer 1.125 Dia	...	2
...	14	...		..	Boot, Circuit Breaker Clear Hex Nut	...	1
...		...		..	Lock, Shaft Pot .375-32 X .250 Dia Shaft Tall	...	2
...		...		..	Screw, K40x 10 Pan Hd-Phl Stl Pld Pt Thread Forming	...	4
...	15	...		..	Stand-Off Support, Pc Card .312/.375w/Post&Lock .43	...	4
...		...		..	Nut, 250-20 .44hex .23h Stl Pld Sem Cone Wshr.65d	...	3
...	16	...		..	Lever, Ignition Switch	...	1
...		...		..	Washer, Tooth.728idx1.166odx.050t Stl Pld Int.688	...	1
...		...		..	Label, Warning Read Owner's Manual Wordless	...	1

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

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

Eff w/Serial No. MG430311R And Following

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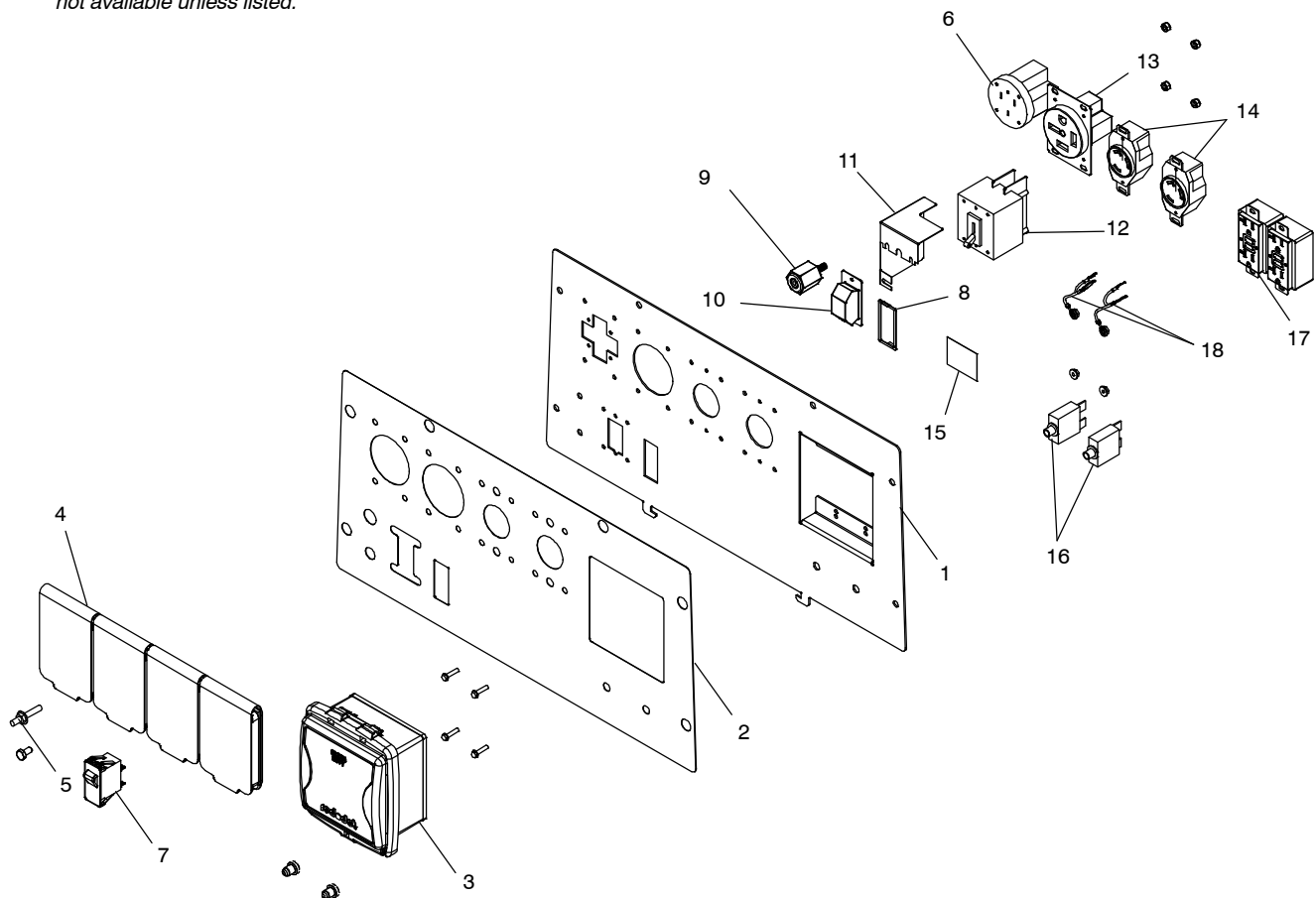
259995

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	258685	Panel, Mtg Terminal Power Output	1
...	2	259993	Label, Output Panel W/Polarity	1
...	3	241432	Terminal, Pwr Output Red	1
...	4	241433	Terminal, Pwr Output Black	1
...	5	186621	Boot, Generic Output Stud	2
...	6	181169	Spacer, Output Stud	2
...	7	180735	Washer, Output Stud	2
...	8	108941	Screw, 250-20x1.00 Hexwhd.61d Gr5 Pld	2
...	9	005107	Bolt, Crg Stl .250-20 X .750 Gr5 Pld	2
...	10	152461	Nut, 250-20 .44hex .23h Stl Pld Sem Cone Wshr.65d	6
...		010381	Connector, Rectifier	2
...	11	C4, C5	Capacitor, Cer Disc .1 uF 500 VDC W/Terms	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.



271 860

Figure 1-5. Panel, Auxiliary Power

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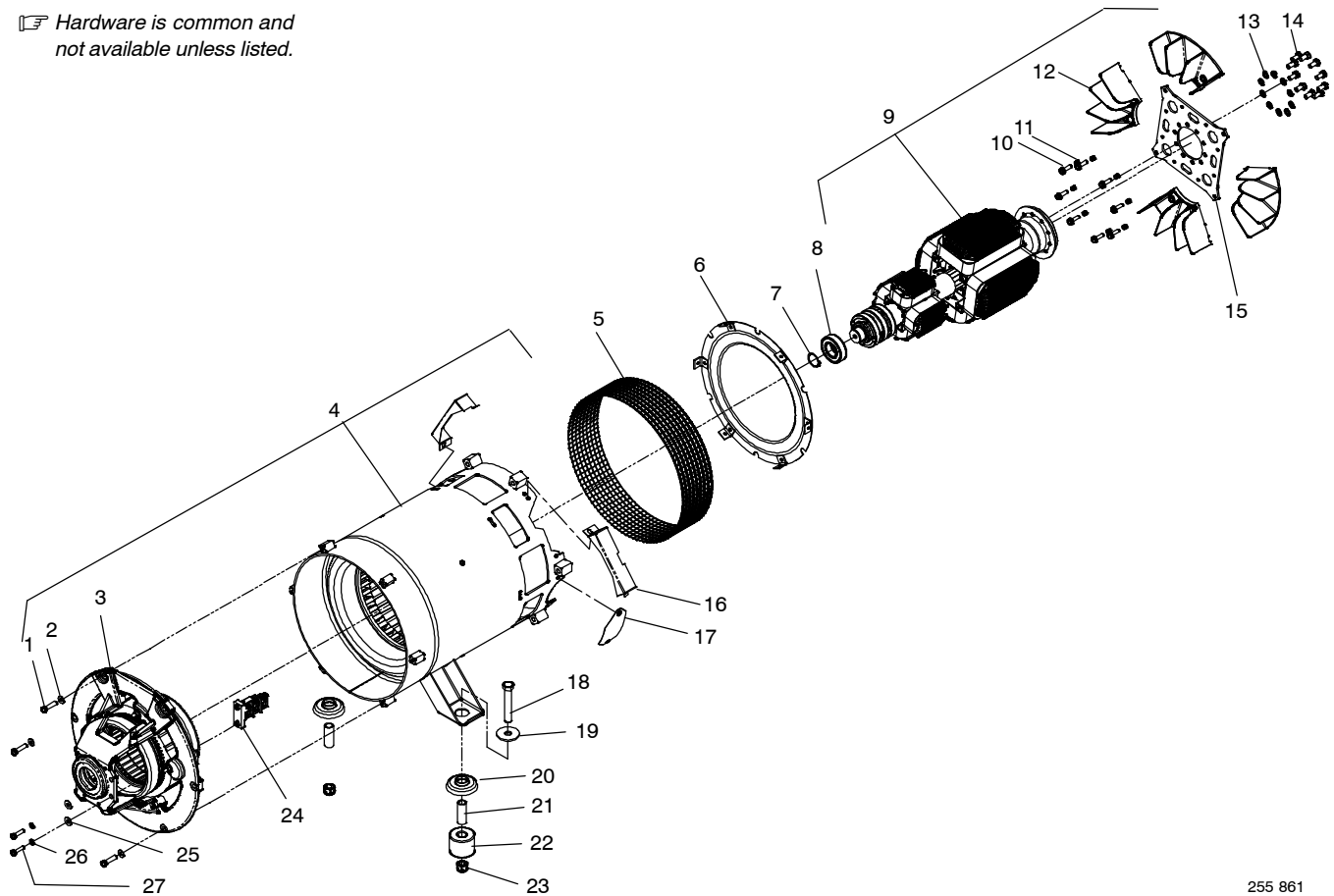
Figure 1-5. Panel, Auxiliary Power (Figure 1-1, Item 2)

...	1	271859	Panel, Aux Power	1
...	2	271858	Label, Aux Power W/In Use Cover (Bw)	1
...	3	263905	Cover, Receptacle Weatherproof Duplex Dual	1
...	4	209056	Cover, Receptacle W/Gasket	4
...	5	197203	Grounding Stud Assy, Brass	1
...	6	RC5	182954 Rcpt, Str 3p4w 50A 125/250V Flush Mtg *14-50	1
...	7	CB6	201083 Supplementary Protector, Man Reset 2p 20A 250VAC	1
...	8	201553	Clip, Retaining Circuit Breaker	1
...	9	207560	Insulator, Stand-Off With Stud	1
...	10	214927	Boot, Circuit Breaker 1 Pole	1
...	11	263778	Guard, Supplementary Protector	1
...	12	CB1	214926 Supplementary Protector, Man Reset 3p 50A 250VAC	1
...	13	RC4	254094 Rcpt, Str 3p4w 50A 250V Flush Mtg	1
...	14	RC1, RC2	147632 Rcpt, Tw Lk Grd 2p3w 30A 250V *L6-30r	2
...	15	272330	Label, Warning Electric Shock/Moving Parts (Sym)	1
...	16	CB7, CB8	093996 Supplementary Pro, Man Reset 1p 20A 250VAC Frict	2
...	17	GFCI1, GFCI2	246614 Receptacle, GFCI 15/20A (Prior to MG510536R)	2
...	17	GFCI1, GFCI2	277874 Receptacle, GFCI 15/20A Filtered (Eff w/MG510536R)	2
...	18	C1, C2	217054 Capacitor, Cer Disc .0047 uF 3000 VDC W/Terms	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. MG430311R And Following

 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 76)

...	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	+272380	.. 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

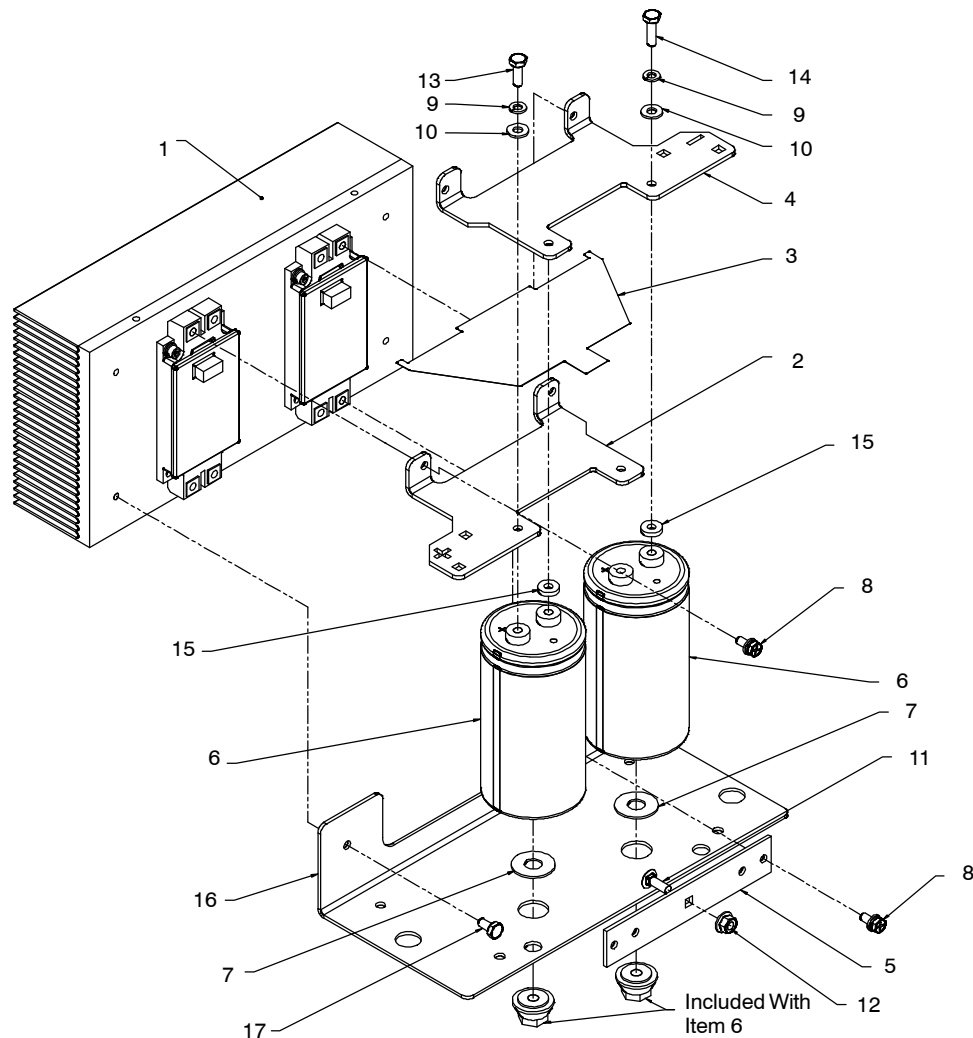
Eff w/Serial No. MG430311R And Following

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 1-6. Generator (Continued)				
... 14		049026	.. Screw, M10-1.5x 25 Hex Hd-Pln 8.8 Pln	10
... 15		210332	.. Plate, Flex Hubmount	1
			Mounting Hardware (Includes)	
... 16		191580	.. Guard, Starter Deutz	2
... 17		191579	.. Cover, Starter Hole	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.



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Figure 1-7. Weld Output Module

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 1-7. 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	C3	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. MG430311R And Following

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	2
..... 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
.....	259318 ..	Cable, Lem 50 In	1
.....	196602 ..	Plug, Cavity 18,30 Position Cinch Connector	17
.....	214933 ..	Seal, Wire Univ 039	14
.....	214934 ..	Seal, Plug Univ 039	13
.....	260014 ..	Harness, Wrg Brushholder (Includes)	1
..... PLG98	135134 ..	Conn, Rect Univ 084 9p/S 3row Plug Cable Lkg	1
.....	187651 ..	Seal, Wire Univ 9p/S 3row	1
.....	272666 ..	Harness, Engine Kubota (Includes)	1
.....	258990 ..	Resistor, Mf .5 W 121 Ohm 1% Tol	1
.....	210064 ..	Tubing, Htshnk Black .375/ .187 Dia X 3.000	1
.....	116963 ..	Term, Frict 250x032 Ultrfast Feml 12-10ga 320od	1
.....	072325 ..	Term, Frict 250x032 Ultrfast Feml 16-14ga 160od	1
.....	116963 ..	Term, Frict 250x032 Ultrfast Feml 12-10ga 320od	1
..... 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
..... PLG400	272626 ..	Conn, Amp 16pin 2row Plug	1
..... PLG402	272624 ..	Conn, Amp Sealed 2pin 1row Plug	1
..... PLG403,PLG407	192170 ..	Conn, Rect 250 2skt 2row Plug Cable Lkg	2
..... PLG404	272632 ..	Conn, 3pin 1row Plug	1
..... PLG405,PLG406, PLG410, PLG411	272629 ..	Conn, 2pin 1row Plug	4
.....	215265 ..	Conn, Deutsch Wedge Lock 12 Position	1
.....	238029 ..	Conn, Deutsch Wedge Lock 6 Position	1
.....	272628 ..	Seal, Plug Single Wire	2
.....	272631 ..	Seal, Plug Single Wire Blue	8
.....	240074 ..	Seal, Plug Single Wire (5mm Hole)	3
.....	240685 ..	Conn, Lever 5 Wire 12-28 Gauge 600V 20A	1

Notes

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