



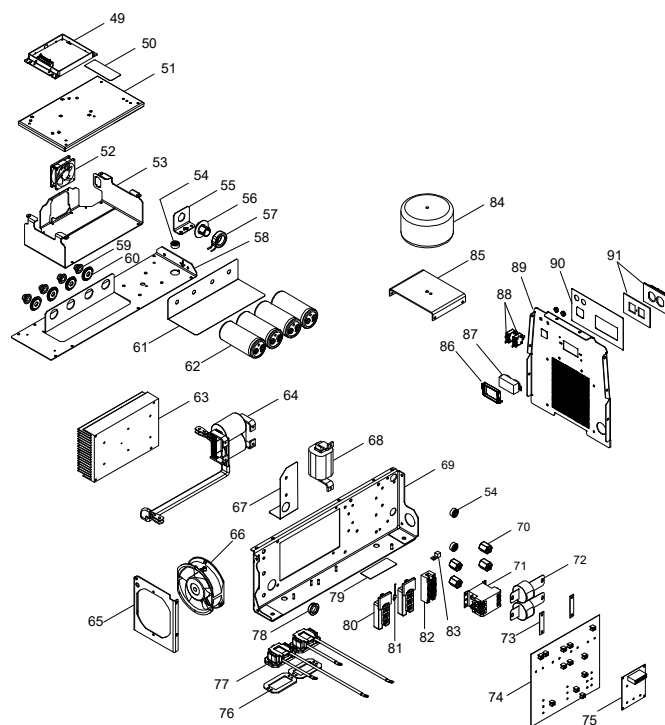
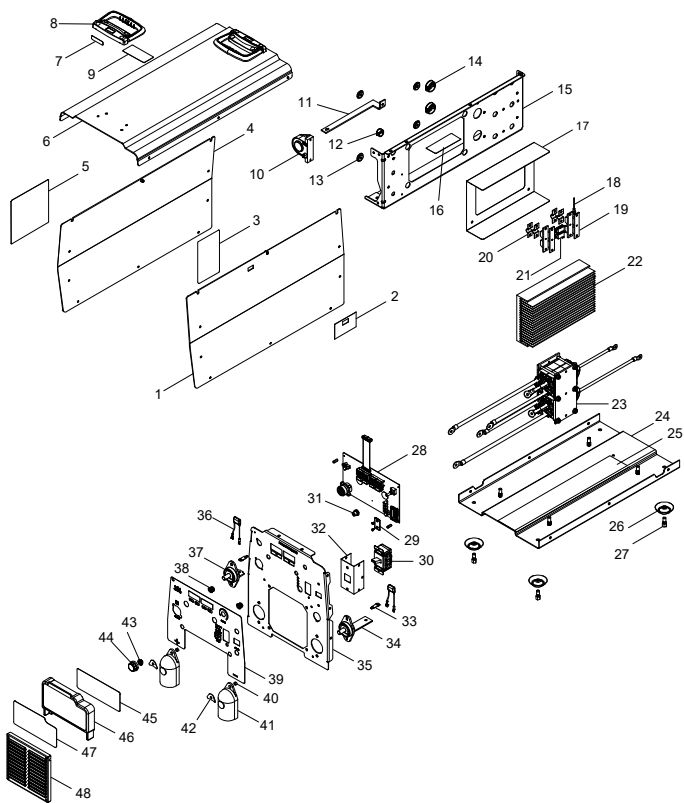
PM- 251439 E

Invision 450 MPa

Effective with Serial Number
MB330529A - ZZ222222



PARTS MANUAL



Parts Assembly

Parts Assembly

Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		249804	Panel, Side Rh w/Nut Insert	1
/		178551	Insulator, Side	1
2		222317	Label, Warning Match Input Power To Voltage Shown	1
2		276297	Label, Warning Match Input Pwr To Voltage (EN/FR/SP)	1
2		279531	Label, Important Input Voltage	1
3		237155	Label, Important Input Power/Relink Connections	1
4		249803	Panel, Side Lh w/Nut Insert	1
5		134327	Label, Warning General Precautionary Static & Wire Feed	2
5		274964	Label, Warning General Precautionary (En/Fr/Sp)	1
6		+ 249111	Cover, Top	1
7		135483	Label, Important Remove These Two Handle Screws	2
8		249848	Handle, Rubberized Carrying	2
9		138442	Label, Warning Falling Equipment Can Injure	2
9		275316	Label, Warning Falling Equipment (EN/FR/SP)	1
10	HD1	168829	Transducer, Current 1000A Module Max Open Loop	1
/		250063	Cable Assy, Current Feedback	1
/	L5	254680	Cable Assy, Current Feedback	1
/	PLG 9, 19	115094	Housing Plug + Skts, (Service Kit)	2
11		183827	Bus Bar, Output	1
12		154408	Bushing, Snap-In Nyl .562 Id x .875 Mtg Hole Cent	1
13		196355	Insulator, Screw	4
14		179276	Bushing, Snap-In Nyl 1.000 Id x 1.375 Mtg Hole Cent	2
15		+ 249527	Windtunnel, Lh w/Studs	1
16		218004	Label, Warning Electric Shock/Exploding Parts	1
16		219844	Label, Warning Electric Shock/Exploding Parts-Wdles	1
17		249618	Insulator, Heat Sink	1
18	RT1	199798	Thermistor, Ntc 30K Ohm @ 25 Deg C 1.800 in 2500V	1
19		201531	Kit, Diode Power Module	4
20		199840	Bus Bar, Diode	4
21		232296	Resistor/Capacitor Assy	2
22		204165	Heat Sink, Rect Dual Diode	1
23	T1	249096	XFMR, HF	1
23	T1	401792	Kit, XMT 450/600 HF Xfmr Replacement 230/460V	1
24		249110	Base	1
25		269262	Insulator, Base/Bus Bar	1
26		229325	Foot, Mtg Unit	4
27		176736	Screw, Mtg Foot	4
28	PC3	251423	Circuit Card Assy, Displ Invision 450 MPa	1
/	PLG 18	250065	Plug, w/Leads (Voltage Feedback) RC2	1
/	PLG 21	136810	Housing Plug+Skts, (Service Kit)	1
/	RC 21	167640	Housing Plug+Pins (Service Kit)	1
29		230944	Cover, Enclosure Connector Db-9	1
30	S1	244920	Switch, Tgl 3Pst 40A 600 Vac Scr Term Wide Tgl	1

*Recommended Spare Parts ~ Optional ↓ Item includes other parts. →Item is part of a subassembly.

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

Hardware is common and not available unless listed.

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.

Parts Assembly

Item No.	Dia. Mkgs.	Part No.	Description	Qty
31		231470	Nut, Adapter Encoder Shaft Mtg .375-32 To .500-28	1
32		176226	Insulator, Switch Power	1
33		010381	Connector, Rectifier	2
34		182707	Terminal, Pwr Output Black MB330529A - MG512507U	1
34		274844	Terminal, Pwr Output Black MG512507U - ZZ222222	1
35		251597	Panel, Front w/Studs	1
36	C7, 8	222488	Capacitor Assy,	2
37		181245	Terminal, Pwr Output Red MB330529A - MG512507U	1
37		274848	Terminal, Pwr Output Red MG512507U - ZZ222222	1
38		216112	Fastener, Panel Receptacle Quick Access	2
39		251149	Nameplate	1
40		181169	Spacer, Output Stud	2
41		186621	Boot, Generic Output Stud	2
42		180735	Washer, Output Stud	2
43		231469	Nut, .500-28 .69 Hex .28h Brs Conical Knurl	1
44		174991	Knob, Pointer 1.250 Dia x .250 Id w/Spring Clip-.21	1
45		251155	Label, Process	1
46		246919	Door, w/Quick Access Ball Fasteners	1
47			Label (Order by Model and Serial No.)	1
48		175138	Box, Louver	1
49	PC1	251592	Circuit Card Assy, Control w/Program MB330529A - MG512507U	1
49	PC1	260544	Circuit Card Assy, Control w/Program 230/460V MG512507U - ZZ222222	1
/	PLG 2, 5, 7, 8,	131054	Housing Rcpt + Skts, (Service Kit)	4
/	PLG 3	130203	Housing Plug+Pins (Service Kit)	1
/	PLG 4	115093	Housing Plug + Skts, (Service Kit)	1
/	PLG 6	115092	Housing Plug + Pins (Service Kit)	1
/	PLG 9	115094	Housing Plug + Skts, (Service Kit)	1
50		218004	Label, Warning Electric Shock/Exploding Parts MB330529A - MG512507U	3
50		219844	Label, Warning Electric Shock/Exploding Parts-Wdles MG512507U - ZZ222222	3
51		249237	Panel, Mtg PC Card	1
52	FM2	183918	Motor, Fan 24 Vdc 3000 Rpm 43 Cfm w/10 Ohm Resistor	1
53		249236	Bracket, Mtg Capacitor/PC Board/Fan	1
54		153403	Bushing, Snap-In Nyl .750 Id x 1.000 Mtg Hole Cent	2
55		255855	Bracket, Mtg Ct MB470025A - ZZ222222	1
56		177547	Bushing, Snap-in Nyl Ct-Mount 1.093 Mtg Hole	1
57	CT1	181271	XFMR, Current 500 Turn	1
58		251137	Windtunnel, Cover	1
59		217040	Nut, Nylon M12 Thread Capacitor Mounting	4
60		251701	Adapter, Nut Capacitor	4
61		250260	Insulator, Capacitor Mtg	1
62	C3, 4, 5, 6	206755	Kit, Capacitor MB330529A - MF042615U	1
62	C3, 4, 5, 6	256680	Kit, Capacitor 230/460 Vac MF042615U - ZZ222222	1
63		179930	Heat Sink, Power Module	1

*Recommended Spare Parts ~ Optional ↓ Item includes other parts. →Item is part of a subassembly.

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

Hardware is common and not available unless listed.

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.

Parts Assembly

Item No.	Dia. Mkgs.	Part No.	Description		Qty
64	Z1	180029	Stabilizer, Output	MB330529A - MF042615U	1
64	Z1	270446	Stabilizer, Output	MF042615U - ZZ222222	1
65		251220	Shroud, Fan		1
66	FM1	175084	Fan, Muffin 24 Vdc 3000 Rpm 255 Cfm 6.378 Mtg Holes	MB330529A - NC212562U	1
66	FM1	291013	Fan, Muffin 24 Vdc 4500 Rpm 352 Cfm 6.378 Mtg Holes	NC212562U - ZZ222222	1
67		181925	Insulator, Stabilizer Lead		1
68		180026	Inductor, Input		1
69		+ 249105	Windtunnel, Rh W/Studs		1
70		025248	Stand-off, Insul .250-20 x 1.250 Lg x .437 Thd	MB330529A - NC452514U	4
70		292960	Stand-off, Insul .250-20 x 1.250 Lg x .312 Thd	NC452514U - ZZ222222	4
71	W1	180270	Contactor, Def Prp 40A 3P 24 Vac Coil w/Boxlug		1
72	C1, 2	401603	Kit, Replacement Capacitors C1, C2		1
73		185992	Bus Bar, Capacitor		2
74	PC2	236049	Circuit Card Assy, Interconnecting With Components		1
/	PLG 11	131056	Housing Plug+Pins (Service Kit)		1
/	PLG 12	115093	Housing Plug + Skts, (Service Kit)		1
/	PLG 13	115091	Housing Plug + Pins (Service Kit)		1
75	PC6	249114	Circuit Card Assy, Relink		1
76		218566	Gasket, Inductor Mounting E70 Ferrite Core		2
77		249108	Inductor, DI/DT	MB330529A - ME432589U	2
77		256646	Inductor, DI/DT	ME432589U - ZZ222222	2
78		057358	Bushing, Snap-In Nyl 1.000 Id x 1.375 Mtg Hole		1
79		218004	Label, Warning Electric Shock/Exploding Parts	MB330529A - MG512507U	1
79		219844	Label, Warning Electric Shock/Exploding Parts-Wdles	MG512507U - ZZ222222	1
80	PM1, 2	235309	Kit, Transistor IGBT Module		1
/		250048	Plug w/Leads Gate	MB330529A - MD140013U	1
/		260751	Plug w/Leads Gate	MD140013U - ZZ222222	1
/	PLG 3	130203	Housing Plug+Pins (Service Kit)		1
/	PLG 15, 16	115094	Housing Plug + Skts, (Service Kit)		2
81	RT2	199798	Thermistor, Ntc 30K Ohm @ 25 Deg C 1.800 in 2500V		1
82	SR1	184260	Kit, Diode Power Module		1
83		145743	Lug, Univ w/Scr 600V 2-14 Wire 250 Stud		1
84	T2	183192	XFMR, Control Toroidal 230/460 Vac Pri 1513Va 60 Hz	MB330529A - ME432589U	1
84	T2	260739	Xfmr, Control Toroidal 230/460 Vac Pri 1456 Va 60 Hz	ME432589U - ZZ222222	1
/	RC14	115090	Housing Plug + Pins, (Service Kit)		1
* 85		180105	Bracket, Mtg Xfmr Aux		1
86		265204	Ring, Aux Power Receptacle	ME252595U - ZZ222222	1
87		604176	Rcpt, Str Dx Grd 2P3W 15A 125V *5-15R		1
88	CB1, CB2	083432	Supplementary Pro, Man Reset 1P 10A 250 Vac Frict		2
89		+ 249118	Panel, Rear (Aux)	MB330529A - ME252595U	1
89		+ 263580	Panel, Rear w/Nut Inserts (Aux)	ME252595U - ZZ222222	1
/		262913	Kit, Strain Relief 1.250 - 380/400V	MF442501U - ZZ222222	1
90		249834	Nameplate, Rear w/Aux	MB330529A - MG512507U	1

*Recommended Spare Parts ~ Optional ↓ Item includes other parts. →Item is part of a subassembly.

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

Hardware is common and not available unless listed.

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.

Parts Assembly

Item No.	Dia. Mkgs.	Part No.	Description	Qty
90		252639	Label, Rear w/Aux MG512507U - ZZ222222	1
91		217297	Cover, Receptacle Weatherproof Duplex Rcpt	1

*Recommended Spare Parts ~ Optional ↓ Item includes other parts. →Item is part of a subassembly.

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

Hardware is common and not available unless listed.

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.