



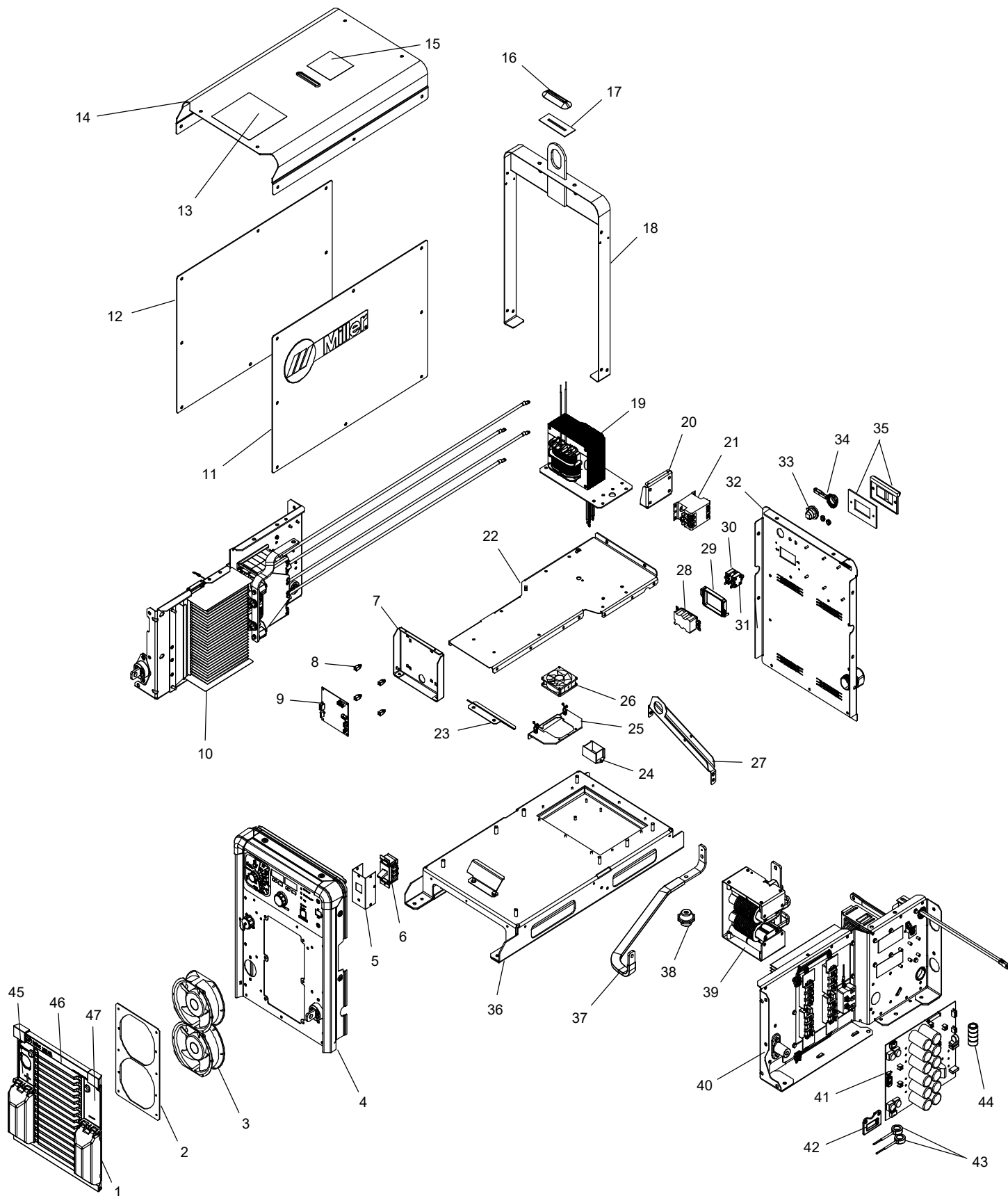
PM- 294575 D

XMT 650 ArcReach 575V

Effective with Serial Number
NE190813C - ZZ222222C



PARTS MANUAL



295652-A

Main Assembly

Main Assembly

Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		294360	Bezel Assy, w/Output Stud Covers	1
2		294365	Bracket, Mtg Fan	1
3	FM1, FM2	281995	Fan, Muffin 115V 60Hz 3400 Rpm 6.378 Mtg Holes TPA2	2
4		Front Panel	(See following for subassembly information)	1
5		176226	Insulator, Switch Power	1
6	S1	244920	Switch, Tgl 3Pst 40A 600 Vac Scr Term Wide Tgl	1
7		290880	Bracket, Mtg PC Board ArcReach	1
8		083147	Grommet, Scr No 8/10 Panel Hole .312 Sq .500 High	4
9	PC8	288994	Circuit Card Assy, ArcReach Transceiver Pr	1
10		LH Windtunnel	(See following for subassembly information)	1
11		294574	↓ Panel, Side Rh	1
		294368	→ Panel, Side	1
		234534	→ Label, Miller 12.984 x 5.375 Horizontal	1
		175256	→ Insulator (Not Shown)	1
12		294573	↓ Panel, Side Lh	1
		264368	→ Panel, Side	1
		234534	→ Label, Miller 12.984 x 5.375 Horizontal (Not Shown)	1
13		274964	Label, Warning General Precautionary (En/Fr/Sp)	1
14		+ 294367	Cover, Top	1
15		274966	Label, Warning Falling Equipment (En/Fr/Sp-Sym)	1
16		232914	Seal, Lift Eye	1
17		177279	Gasket, Lift Eye	1
18		266958	Lift Eye Assy	1
19	T2	293813	XFMR, Control 575Vac Pri	1
20		290877	Bracket, Mounting Contactor	1
21	W1	180270	Contact, Def Prp 40A 3P 24 Vac Coil w/Boxlug	1
22		290847	Cover, Windtunnel	1
23		272492	Baffle, Upper	1
24	MOD1	289674	Module, ArcReach Coupler XMT 650	1
25		290881	Bracket, Mtg Fan	1
26	FM3	183918	Motor, Fan 24 Vdc 3000 Rpm 43 Cfm w/10 Ohm Resistor	1
27		290489	Bracket, Hf Lead Tray	1
28		291031	Rcpt, Str Dx Grd 2P3W 20A 125V *5-20R Wr Tr GFI	1
29		265204	Ring, Aux Power Receptacle	1
30		083432	Supplementary Pro, Man Reset 1P 10A 250 Vac Frict	1
31		093995	Supplementary Pro, Man Reset 1P 15A 250 Vac Frict	1
32		294366	Panel, Rear w/Studs	1
33	RC3	281942	Conn, USB Type A/B Rcpt Panel Mtg Sealed	1
34		244237	Dust Cap	1
35		154022	Cover, Receptacle Duplex GFCI	1
36		294400	↓ Base, w/Cmpts	1
		294401	→ Base, w/Studs	1
		290267	→ Pan, Cmpt Mtg w/Studs	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.

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Main Assembly

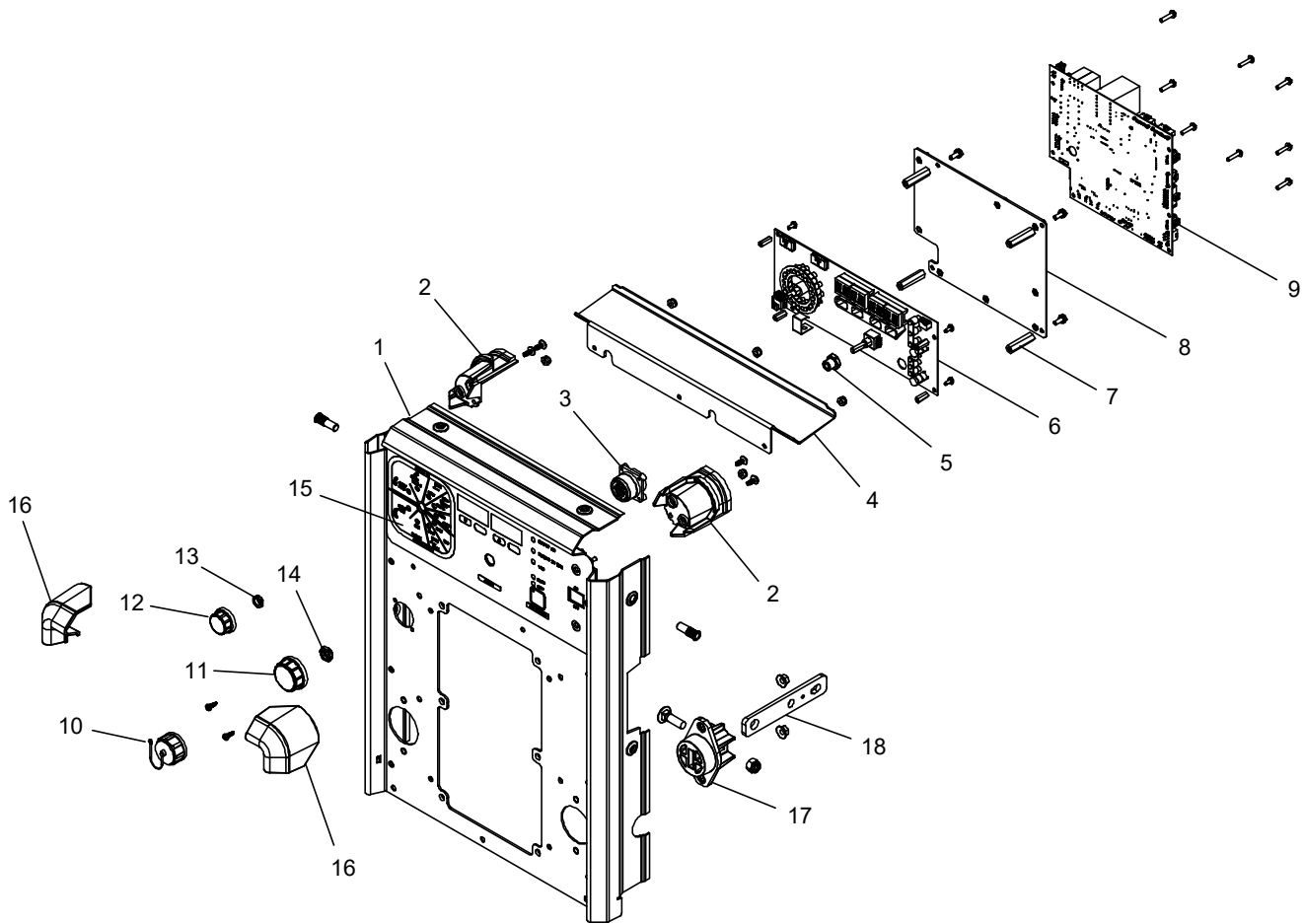
Item No.	Dia. Mkgs.	Part No.	Description	Qty
		272493	→ Baffle, Lower	1
37		290790	Bus Bar, ArcReach Inductor Output Connector	1
38		291706	Stand-Off, Insul .250-20 x 1.500 Lg	1
39	L3	289995	Inductor, ArcReach PR	1
40		RH Windtunnel	(See following for subassembly information)	1
41	PC2	293824	Circuit Card Assy, Interconnecting XMT 650 575V	1
42		269271	Insulator, Windtunnel/Bus Bar	1
43	CT1, CT2	285431	Plug Assy, Elect (CT1/CT2)	1
44	L9, L10, L11, L12	241027	Core, Toroidal .748 Id x 1.142 Od x .600 Thk	4
45		295185	Label, Connection XMT 650 (Positive/Remote)	1
46		295177	Label, Nameplate XMT 650 ArcReach	1
47		295188	Label, Connection XMT 650 (Negative)	1
	PLG23, PLG49	290634	↓ Harness, Wrg Primary	1
	S1	244920	→ Switch, Tgl 3Pst 40A 600 Vac Scr Term Wide Tgl	1
	W1	180270	→ Contactor, Def Prp 40A 3P 24 Vac Coil w/Boxlug	1
	L8	241027	→ Core, Toroidal .748 Id x 1.142 Od x .600 Thk	1
	PLG4, RC45,	290739	↓ Plugs w/Leads Fans/115V Rcpt (NPR)	1
	RC46			
	CB1	093995	→ Supplementary Pro, Man Reset 1P 15A 250 Vac Frict	1
	RC1	291031	→ Rcpt, Str Dx Grd 2P3W 20A 125V *5-20R Wr Tr GFI	1
	PLG38, PLG71	290663	Plug, w/Leads Weld Terminal (VFB)	1
	PLG24, PLG19	290696	Cable Assy, Current Feedback	1
	PLG8, RC59,	290731	Plugs w/Leads RT2 And RT3	1
	RC60			
	PLG37, PLG67	290733	Plugs w/Leads ArcReach 8Pin	1
	PLG36, PLG66	290735	Plugs w/Leads ArcReach 10Pin	1
	PLG5, RC55	290737	Plugs w/Leads Fan Adapter (PR)	1
	PLG18, PLG47	285453	Plugs, w/Leads (PC1-PC2)	1
	PLG27, PLG39	290729	Plug w/Leads Inverter VFB	1
		280908	Cable, USB 2.0 Male A/Male B 3 Ft	1
		262913	Kit, Strain Relief 1.250 - 380/400V (Not Shown)	1
	PLG43, PLG44	299579	Plug, w/Leads ArcReach Relay (Eff/w Serial No. NF480608C)	1

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294839-A

Front Panel

Front Panel

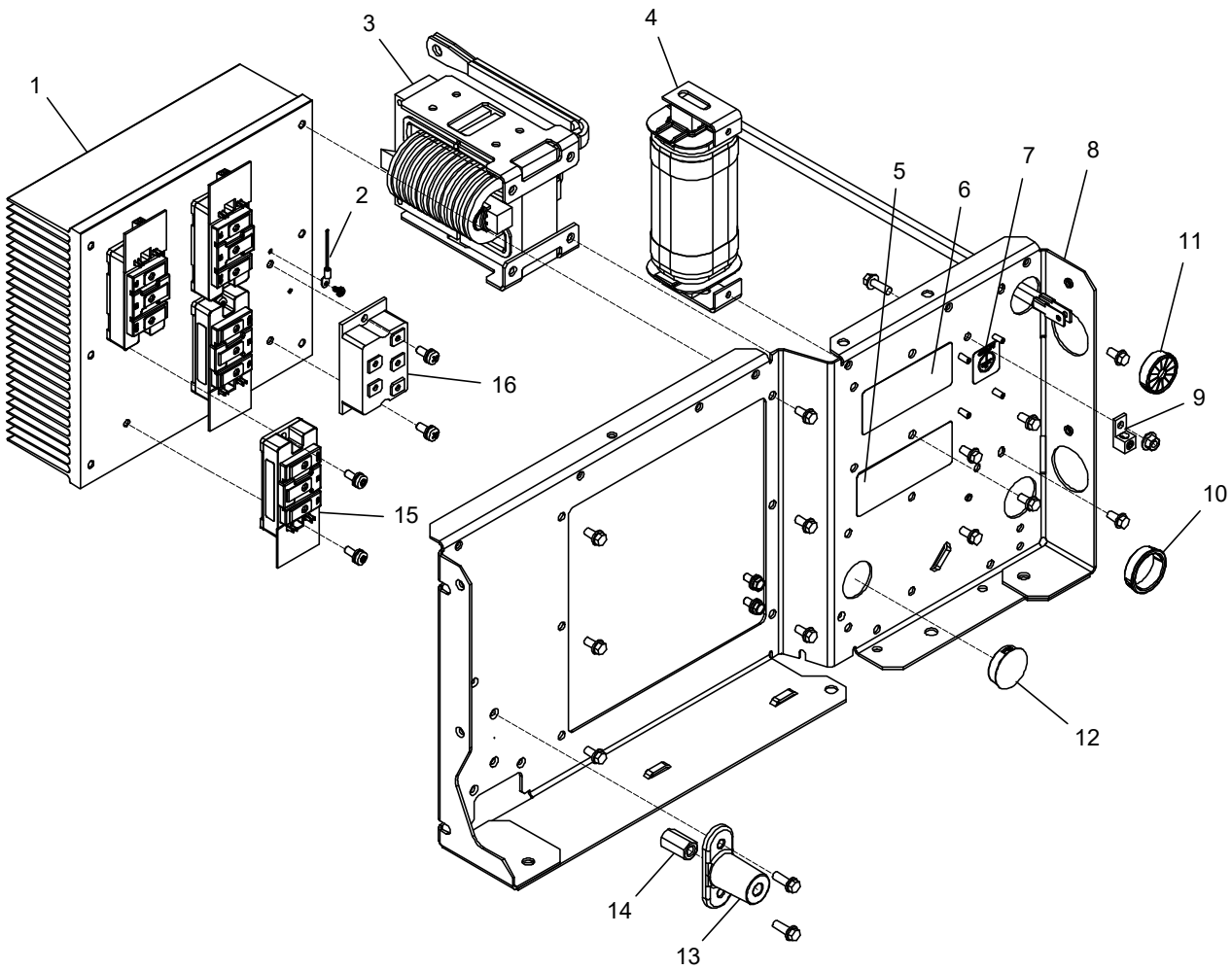
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		294364	Panel, Front w/Studs	1
2		294358	Bracket, Corner Inner	2
3		290742	Rcpt, w/Leads 14Pin (NPR)	1
4		295258	Bracket, Diverter	1
5		231470	Nut, Adapter Encoder Shaft Mtg .375-32 To .500-28	1
6		290996	Circuit Card Assy, Front Panel Ui w/Program	1
7		272486	Stand-Off, No 10-32 x 1.500 Lg .375 Hex Al Fem	4
8		294402	Panel, Cntrl Brd Mtg w/Stand-Offs	1
9		290965	Circuit Card Assy, Control w/Program	1
10		268085	Conn, Circ Ms Protective Cap Size 20 Nylon	1
11		213134	Knob, Encoder 1.670 Dia x .250 Id Push On w/Spring	1
12		245663	Knob, Encoder 1.250 Dia x .250 Id Push On w/Spring	1
13		231468	Nut, .375-32 .56 Hex .22h Brs Conical Knurl	1
14		231469	Nut, .500-28 .69 Hex .28h Brs Conical Knurl	1
15		295174	Label, Controls XMT 650 ArcReach	1
16		294359	Bracket, Corner Outer	2
17		263560	Terminal, Pwr Output Black	1
18		263570	Bus Bar, Output	1
	PLG32, 64	280089	Plugs, w/Leads (PC6- PC1 7 Pin)	1
	PLG2, 66	280099	Plugs, w/Leads (PC6- PC1 8 Pin)	1

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294841-A

RH Windtunnel

RH Windtunnel

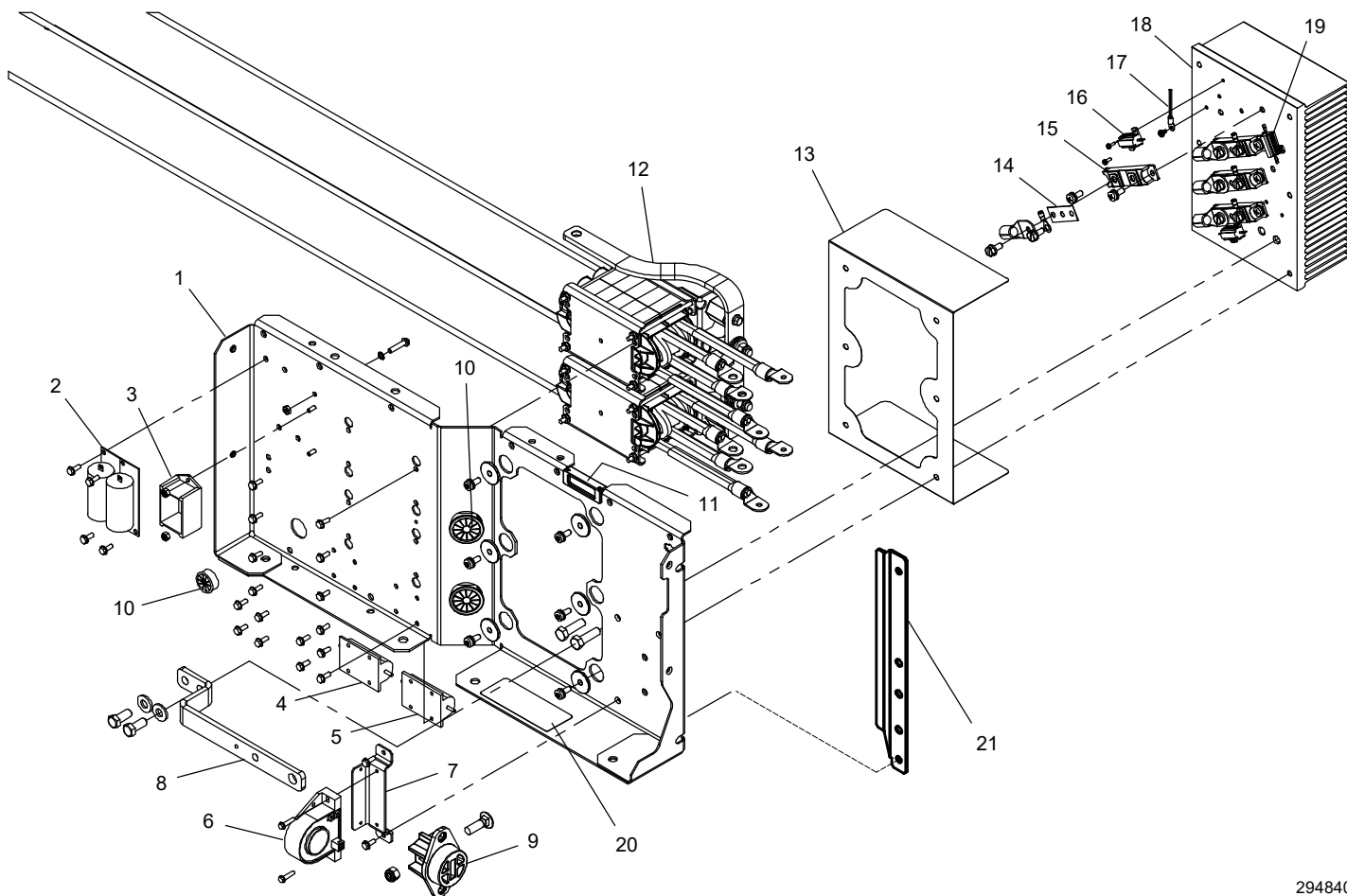
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		263555	Heat Sink, Power Module	1
2	RT1	199798	Thermistor, Ntc 30K Ohm @ 25 Deg C 1.800 in 2500V	1
3	L2	289935	Inductor, Output	1
4	L1	289921	Inductor, Input	1
5		272700	Label, Warning Electric Shock/Exploding Parts (Sym)	1
6		280754	Label, Equipment Terminals	1
7		155436	Label, Ground/Protective Earth	1
8		+ 290490	Windtunnel, Rh w/Studs	1
9		145743	Lug, Univ w/Scr 600V 2-14 Wire 250 Stud	1
10		170647	Bushing, Snap-In Nyl 1.312 Id x 1.500 Mtg Hole	1
11		179276	Bushing, Snap-In Nyl 1.000 Id x 1.375 Mtg Hole Cent	1
12		057360	Blank, Snap-In Nyl 1.375 Mtg Hole Black	1
13		264199	Stand-off, Insul Bus Bar	1
14		268532	Nut, 375-16 .63Hex 1.13H Stl Pld Clr Coupling	1
15	PM1/PC3, PM2/PC4	295192	Kit, Transistor IGBT Module (Vishay) (Includes 2 Modules)	2
16	SR1	286964	Kit, Diode Power Module	1
	PLG50/56/57, PLG51/67/68	285500	Plug Assy, w/Leads (Gate)	2

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294840-A

LH Windtunnel

LH Windtunnel

Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		+ 290492	Windtunnel, Lh	1
2	C5, C6	273124	Filter Cap Assembly, ArcReach 16uF	2
3	MOD2	290927	Filter Assy, Output	1
4	R4	291046	Resistor w/Leads	1
5	R5	291049	Resistor w/Leads	1
6	HD1	168829	Transducer, Current 1000A Module Max Open Loop	1
7		290494	Bracket, Mtg Lem	1
8		263571	Bus Bar, Diode	1
9		263559	Terminal, Pwr Output Red	1
10		245520	Bushing, Snap-In Nyl 1.062 Id x 1.500 Mtg Hole Cent	3
11		291044	Insulator, Windtunnel/Bus Bar Polarity Reversing	1
12	T1	294560	XFMR Assy, Hf w/Bus Bar	1
13		263556	Insulator, Heatsink	1
14		286106	Bus Bar, Diode	4
15	D1-D4	269909	Kit, Diode Power Module (Vishay)	4
16	R1/C15,	266955	Resistor/Capacitor Assy	2
	R2/C16			
17	RT2	199798	Thermistor, Ntc 30K Ohm @ 25 Deg C 1.800 in 2500V	1
18		263554	Heat Sink, Rect Output	1
19	R3	285446	Resistor w/Leads	1
20		272700	Label, Warning Electric Shock/Exploding Parts (Sym)	1
21		295212	Baffle, LH Windtunnel	1

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