



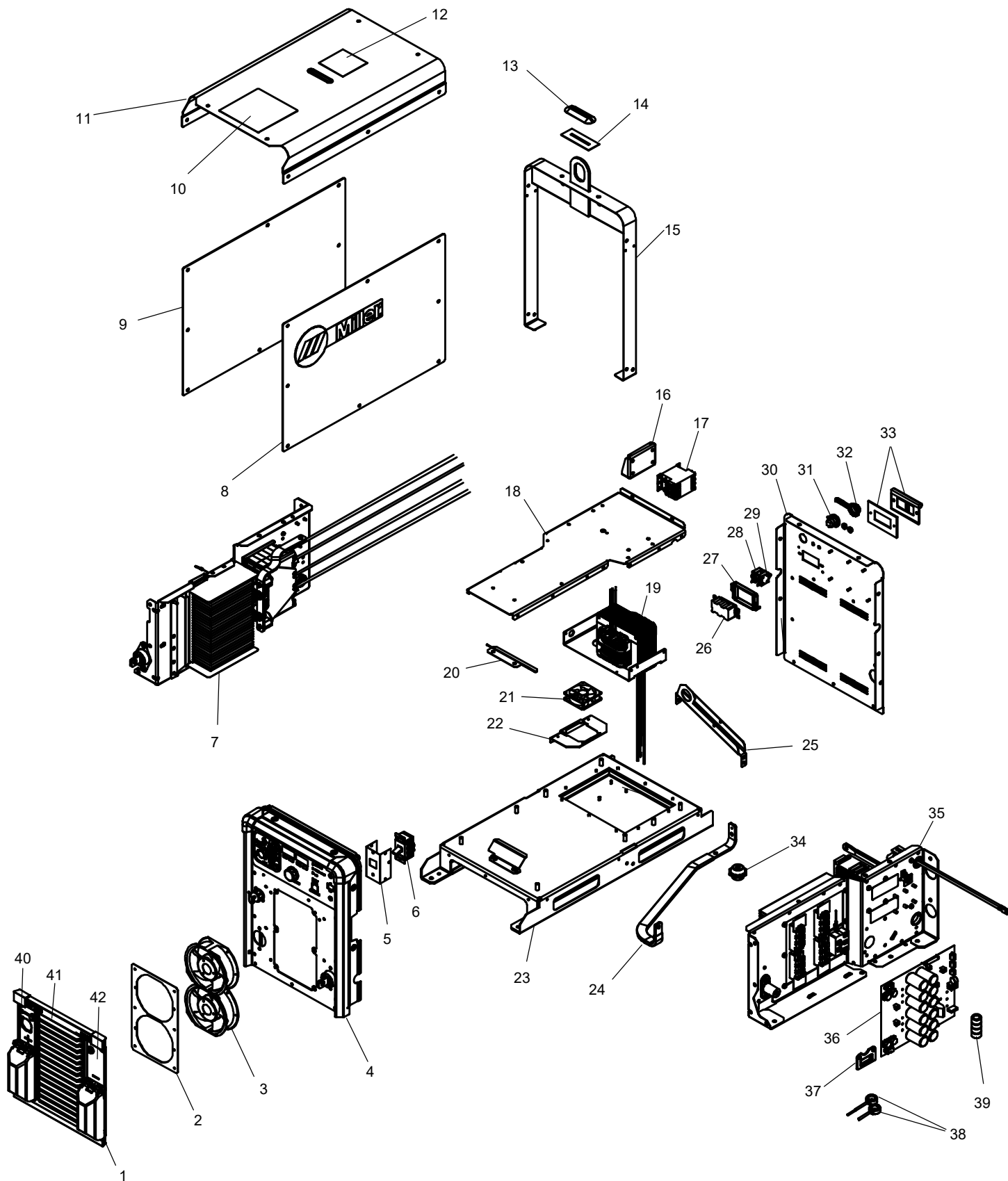
PM- 295085 C

XMT 650 380V 460V

Effective with Serial Number
NE050601C - ZZ222222C



PARTS MANUAL



295834-A

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 6378 Mtg Holes	2
4			Front Panel	1
5		176226	Insulator, Switch Power	1
6	S1	244920	Switch, Tgl 3Pst 40A 600VAC Scr Term Wide Tgl	1
7			LH Windtunnel	1
8		294574	↓ Panel, Side Rh	1
		294368	→ Panel, Side	1
		234534	→ Label, Miller (Not Shown)	1
		175256	→ Insulator (Not Shown) Not Shown	1
9		294573	↓ Panel, Side Lh	1
		264368	→ Panel, Side	1
		234534	→ Label, Miller (Not Shown) Not Shown	1
10		274964	Label, Warning General Precautionary (En/Fr/Sp)	1
11		294367	Cover, Top	1
12		274966	Label, Warning Falling Equipment (En/Fr/Sp-Sym)	1
13		232914	Seal, Lift Eye	1
14		177279	Gasket, Lift Eye	1
15		266958	Lift Eye Assy	1
16		290877	Bracket, Mounting Contactor	1
17	W1	180270	Contact, Def Prp 40a 3p 24vac Coil W/Boxlug	1
18		290847	Cover, Windtunnel	1
19	T2	294089	XFMR, Control 380/460 VAC Pri	1
20		272492	Baffle, (Upper)	1
21	FM3	183918	Motor, Fan 24VDC 3000 RPM 43 Cfm W/10 Ohm Resistor	1
22		290881	Bracket, Mtg Fan	1
23		294400	↓ Base, W/Cmpts	1
		294401	→ Base, W/Studs	1
		290267	→ Pan, Cmp Mtg W/Studs	1
		272493	→ Baffle, (Lower)	1
24		290790	Bus Bar, ArcReach Inductor Output Connector	1
25		290489	Bracket, Hf Lead Tray	1
26		291031	Rcpt, Str Dx Grd 2P3W 20A 125V *5-20R Wr Tr GFI	1
27		265204	Ring, Aux Power Receptacle	1
28		083432	Supplementary Pro, Man Reset 1p 10A 250Vac Frict	1
29		093995	Supplementary Pro, Man Reset 1P 15A 250VAC Frict (CB1) (Shown)	1
30		294366	Panel, Rear W/studs	1
31	RC3	281942	Conn, USB Type A/B Rcpt Panel Mtg Sealed	1
32		244237	Dust Cap	1
33		154022	Cover, Receptacle Duplex GFCI	1
34		291706	Stand-Off, Insul 250-20X1500 Lg	1
35			RH Windtunnel	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.

Main Assembly

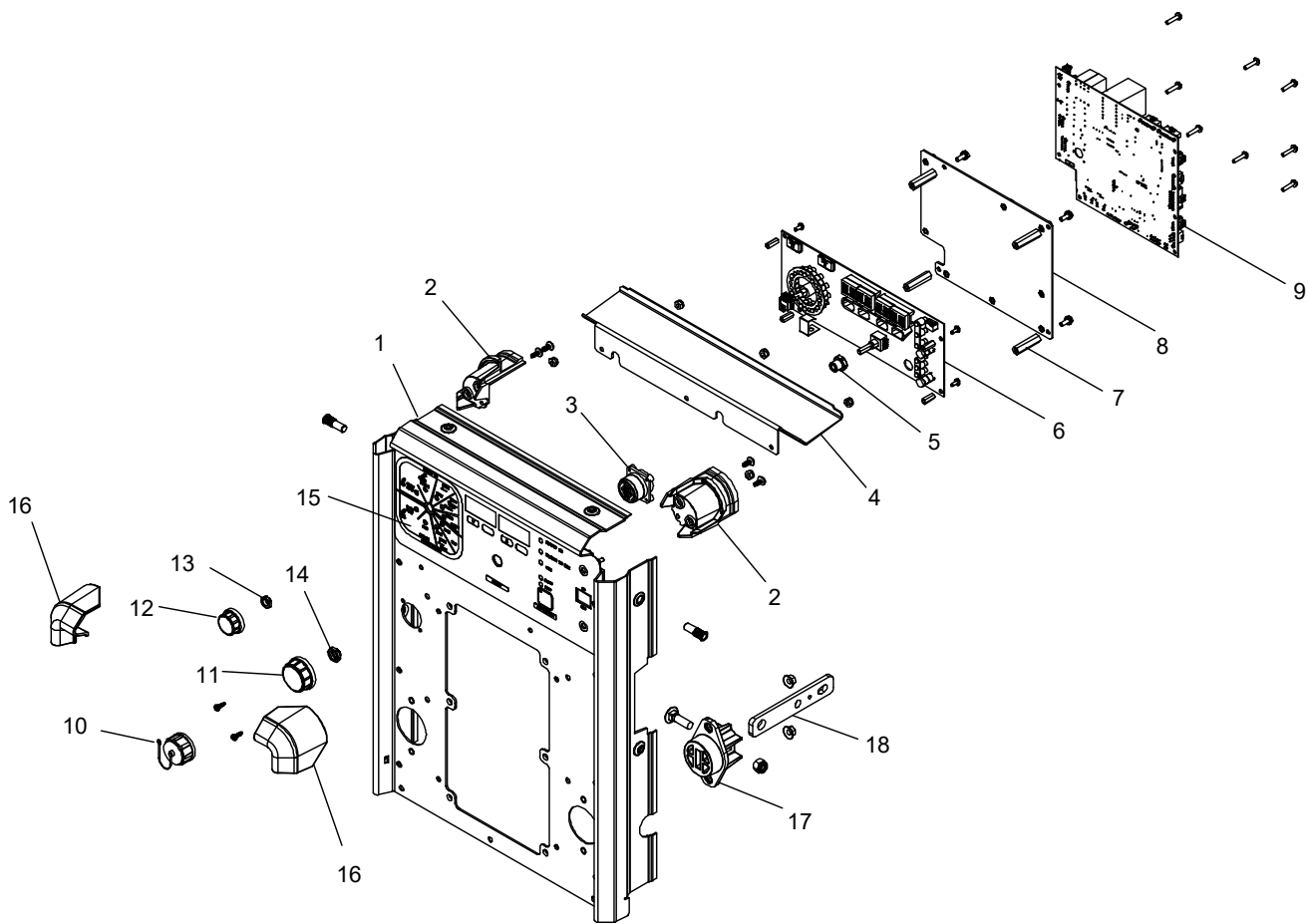
Item No.	Dia. Mkgs.	Part No.	Description	Qty
36	PC2	289085	Circuit Card Assy, Interconnecting	1
37		269271	Insulator, Windtunnel/Bus Bar	1
38	CT1, CT2	285431	Plug Assy, Elect (CT1/CT2)	1
39	L9, L10,L11,	241027	Core, Toroidal	4
40		295185	Label, Connection XMT 650 (Positive/Remote)	1
41		295178	Label, Nameplate XMT 650	1
42		295188	Label, Connection XMT 650 (Negative)	1
	PLG23, PLG49	290634	↓ Harness, Wrg Primary (Includes)	1
	S1	244920	→ Switch, Tgl 3Pst 40A 600VAC Scr Term Wide Tgl	1
	W1	180270	→ Contactor, Def Prp 40a 3p 24vac Coil W/Boxlug	1
	L8	241027	→ Core, Toroidal	1
	PLG4, RC45,RC46	290739	↓ Plugs W/Leads Fans/115V Rcpt (NPR (Includes)	1
	CB1	093995	→ Supplementary Pro, Man Reset 1P 15A 250VAC Frict (CB1) (Shown)	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,RC60	290731	Plugs W/Leads RT2 And RT3	1
	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) (PC1-PC2)	1
	PLG27, PLG39	290729	Plug W/Leads Inverter VFB	1
		280908	Cable, USB 20 Male A/Male B 3 Ft	1
		262913	Kit, Strain Relief 1250 - 380/400V (Not Shown)	1

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294839-A

Front Panel

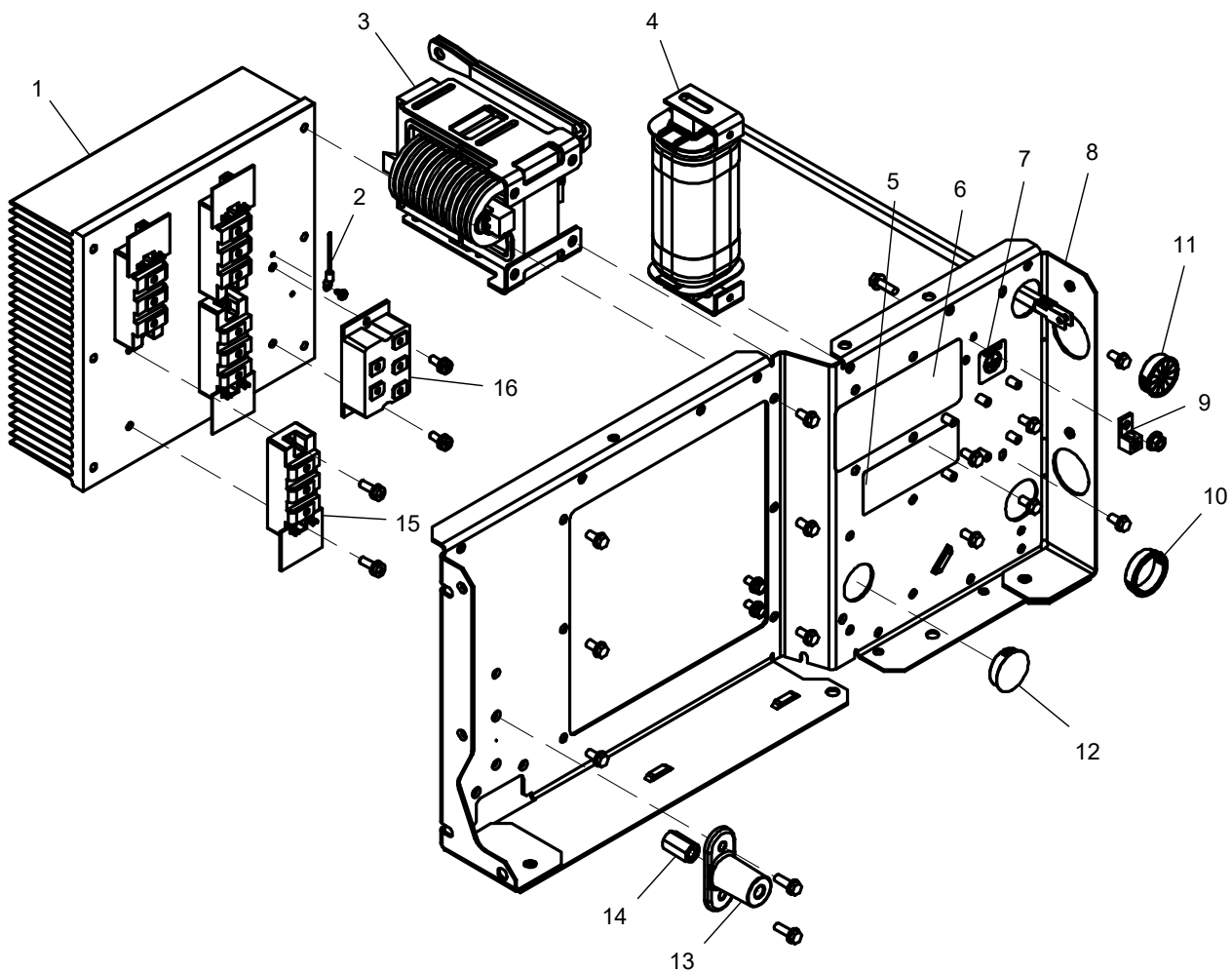
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		+ 294364	Panel, Front W/Studs	1
2		294358	Bracket, Corner Inner	2
3		290742	Rcpt, W/Leads 14Pin (NPR)	1
4		295258	Bracket, Diverter	1
5		231470	Nut, Adapter Encoder Shaft Mtg 375-32 To 500-28	1
6		290996	Circuit Card Assy, Front Panel Ui W/Program	1
7		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 1250 Dia X 250 Id Push On W/Spring	1
13		231468	Nut, 375 32 56Hex 22h Brs Conical Knurl	1
14		231469	Nut, 500 28 69hex 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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295079-A

RH Windtunnel

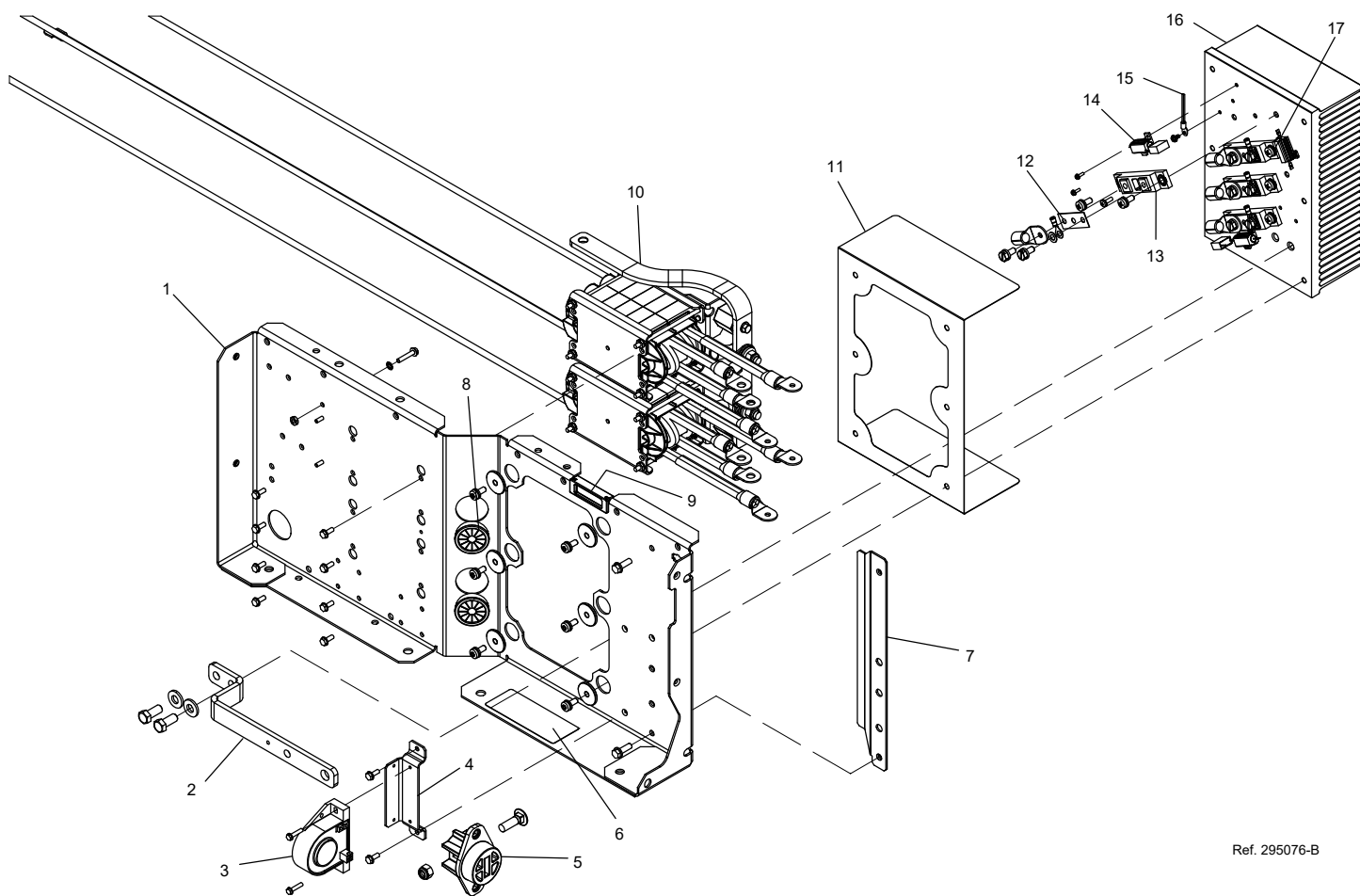
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		263555	Heat Sink, Power Module	1
2	RT1	199798	Thermistor, Ntc 30K Ohm @ 25 Deg C 1800in 2500V	1
3	L2	294263	Inductor, Output	1
4	L1	289921	Inductor, Input	1
5		272700	Label, Warning Electric Shock/Exploding Parts	1
6		291642	Label, Warning Input Conn/Elect Shock (EN/FR/SP)	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 1000 Id X 1375 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 113H Stl Pld Clr Coupling	1
15	'M1/PC3,PM2/PC	295192	Kit, Transistor IGBT Module (Vishay)	2
16	SR1	286964	Kit, Diode Power Module	1
	i50/56/57,PLG51/67/	285500	Plug Assy, W/Leads (Gate)	2

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Ref. 295076-B

LH Windtunnel

Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		290492	Windtunnel, Lh	1
2		263571	Bus Bar, Diode	1
3	HD1	168829	Transducer, Current 1000A Module Max Open Loop	1
4		290494	Bracket, Mtg Lem	1
5		263559	Terminal, Pwr Output Red	1
6		272700	Label, Warning Electric Shock/Exploding Parts	1
7		295212	Baffle, LH Windtunnel	1
8		245520	Bushing, Snap-In Nyl 1.062 Id X 1.500 Mtg Hole Cent	2
9		291044	Insulator, Windtunnel/Bus Bar Polarity Reversing	1
10	T1	290493	XFMR Assy, Hf W/Bus Bar	1
11		263556	Insulator, Heatsink	1
12		286106	Bus Bar, Diode	4
13	D1-D4	269909	Kit, Diode Power Module (Vishay)	4
14	R1/C15,R2/C16	266955	Resistor/Capacitor Assy	2
15	RT2	199798	Thermistor, Ntc 30K Ohm @ 25 Deg C 1800in 2500V	1
16		263554	Heat Sink, Rect Output	1
17	R3	285446	Resistor W/Leads	1

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