



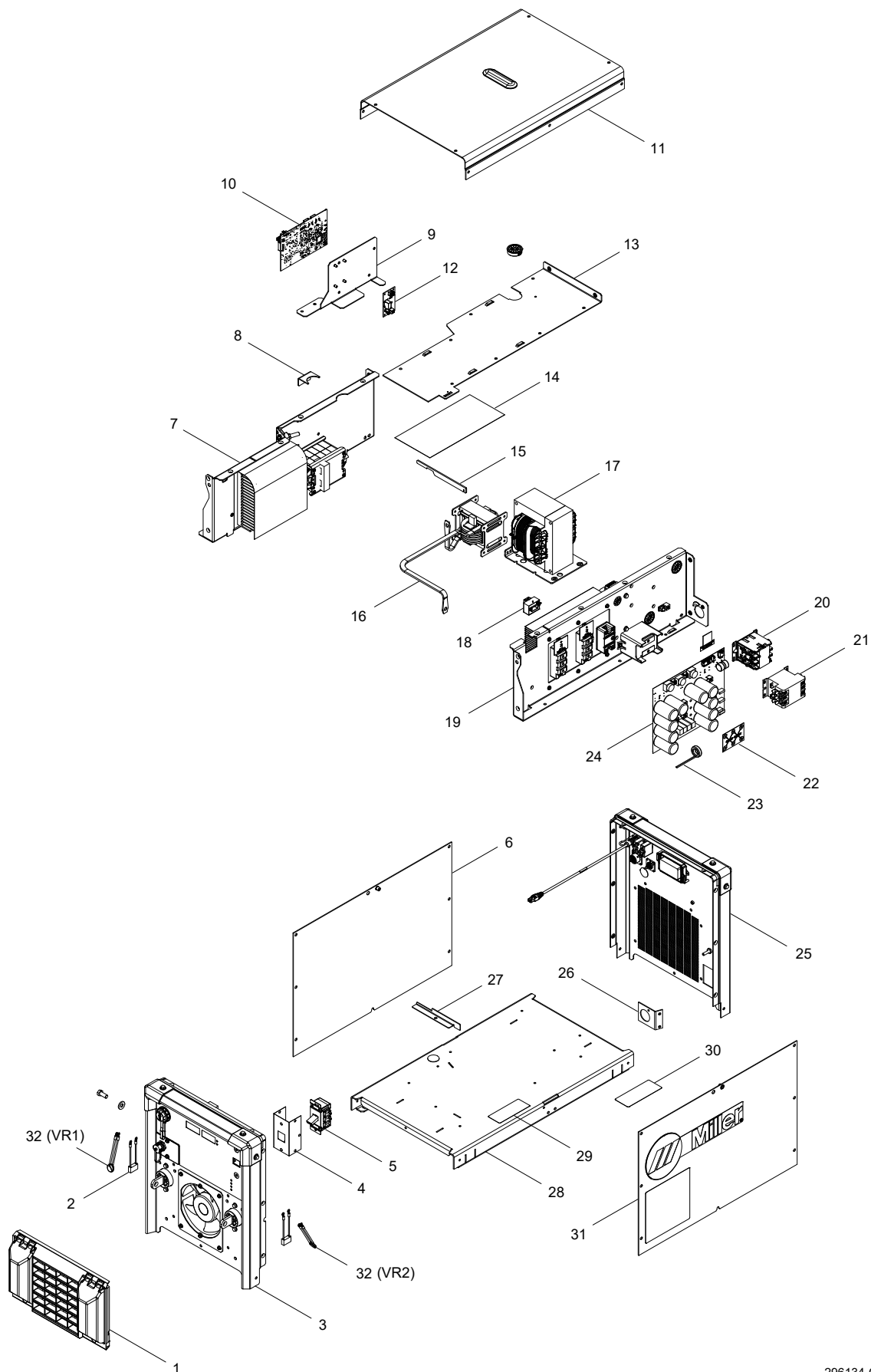
PM- 294493 E

Auto Deltaweld 350 (208-230/460 Volt Model)

Effective with Serial Number
NE121033U - ZZ222222R



PARTS MANUAL



296134-C

Main Assembly

Main Assembly

Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		278280	↓ Cover Assy, Louver Fan/Stud	1
		278281	→ Box, Louver Fan	1
		278282	→ Cover, Output Stud	2
		278283	→ Pin, Hinge	2
2	C3, C4	267745	Capacitor Assy	2
3			Front Panel Assembly (See following for subassembly information)	1
4		176226	Insulator, Switch Power	1
5	S1	244920	Switch, Tgl 3Pst 40A 600 Vac Scr Term Wide Tgl	1
6		295586	Panel, Side Lh	1
		234534	Label, Miller 12.984 x 5.375 Horizontal	1
		259270	Nut, 250-20 Insert x 165 Grip	1
7			LH Windtunnel (See following for subassembly information)	1
8		285108	Plate, Cover XFMR Leads	1
9		286114	Bracket, Mtg Circuit Card Assy	1
10	PC11	293553	Circuit Card Assy, Aim w/Pgrm Auto Deltaweld	1
	PLG31,72	286184	Plugs, w/Lead	1
		287163	Cable, Ethernet Cat6 Stp Rj45 24.000 in Lg (White)	2
11		295588	↓ Cover, Top w/Components Auto DW 350	1
		294577	→ Blank, Lift Eye Slot.	1
		049399	→ Nut, .312-18 Push On .63d .07H Stl	3
12	PC14	294174	Circuit Card Assy, Touch Sense Auto Deltaweld	1
13		291080	Cover, Windtunnel	1
14		280518	Insulator, Windtunnel Cover/Output Inductor Lead	1
15		279182	Baffle, (Upper)	1
16	Z1	276899	Inductor, Output	1
17	T2	284810	XFMR, Control 230/460 Vac Pri	1
18	HD1	278986	Transducer, Current 400A Module Supply V +/- 15V	1
19			RH Windtunnel (See following for subassembly information)	1
20	W2	294719	Kit, Contactor w/Snubbers	1
21	W1	180270	Contactor, Def Prp 40A 3P 24 Vac Coil w/Boxlug	1
22	PC8	282246	Printed Wiring Bd, Blank Relink 500A	1
23	CT1, PLG22	280019	Plug Assy, Elect	1
24	PC2	277346	Circuit Card Assy, Power Interconnect 350A	1
25			Rear Panel Assembly (See following for subassembly information)	1
26		294077	Adapter, Cord Grip	1
27		279517	Baffle, (Lower)	1
28		293645	↓ Base Assembly	1
29		272700	→ Label, Warning Electric Shock/Exploding Parts (Sym)	1
30		286478	→ Label, Equipment Terminals	1
31		295591	↓ Panel, Side Rh	1
		234534	→ Label, Miller 12.984 x 5.375 Horizontal	1
		274964	→ Label, Warning General Precautionary (En/Fr/Sp)	1
		249771	→ Nut, .250-20 .50Dia 1.22H Stl Pld Insert In .39 Hole	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
		178551	→ Insulator, Side (Not Shown)	1
32	VR1, VR2	270076	Varistor, w/Terminals	2
		179276	Bushing, Snap-In Nyl 1.000 Id x 1.375 Mtg Hole Cent	1
	PLG 27	282868	Plug, w/Leads (Voltage Feedback)	1
		279933	Lead List, Large (W1 to SR1)	1
		280103	Lead, Interconnect 12.000	1
	PLG19, 24	279353	Plugs, w/Leads (I-Feedback)	1
	PLG8, RC59-60	280079	Plugs, w/Leads (RT2 and RT3)	1
	PLG 18, 47	285453	Plugs, w/Leads (PC1-PC2)	1
		280908	Cable, USB 2.0 Male A/Male B 3 Ft	1
	PLG23, 55,	279351	↓ Harness, Wrg Primary	1
	S1	244920	→ Switch, Tgl 3Pst 40A 600 Vac Scr Term Wide Tgl	1
	W1	283706	→ Contactor, w/Identification Label (Shown as item 21)	1
	W2	279767	→ Contactor, Def Prp 40A 3P 24 Vac Coil 1Nc 2No (Shown as item 20)	1
	PLG84, 87	294539	→ Plugs,w/Leads Cobot	1
	PLG2, PLG66, PLG86	295236	→ Plugs, w/Leads Ui To Cntrl And Aim (8 Pin)	1
		296562	→ Lead List, Small	1

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Front Panel Assembly

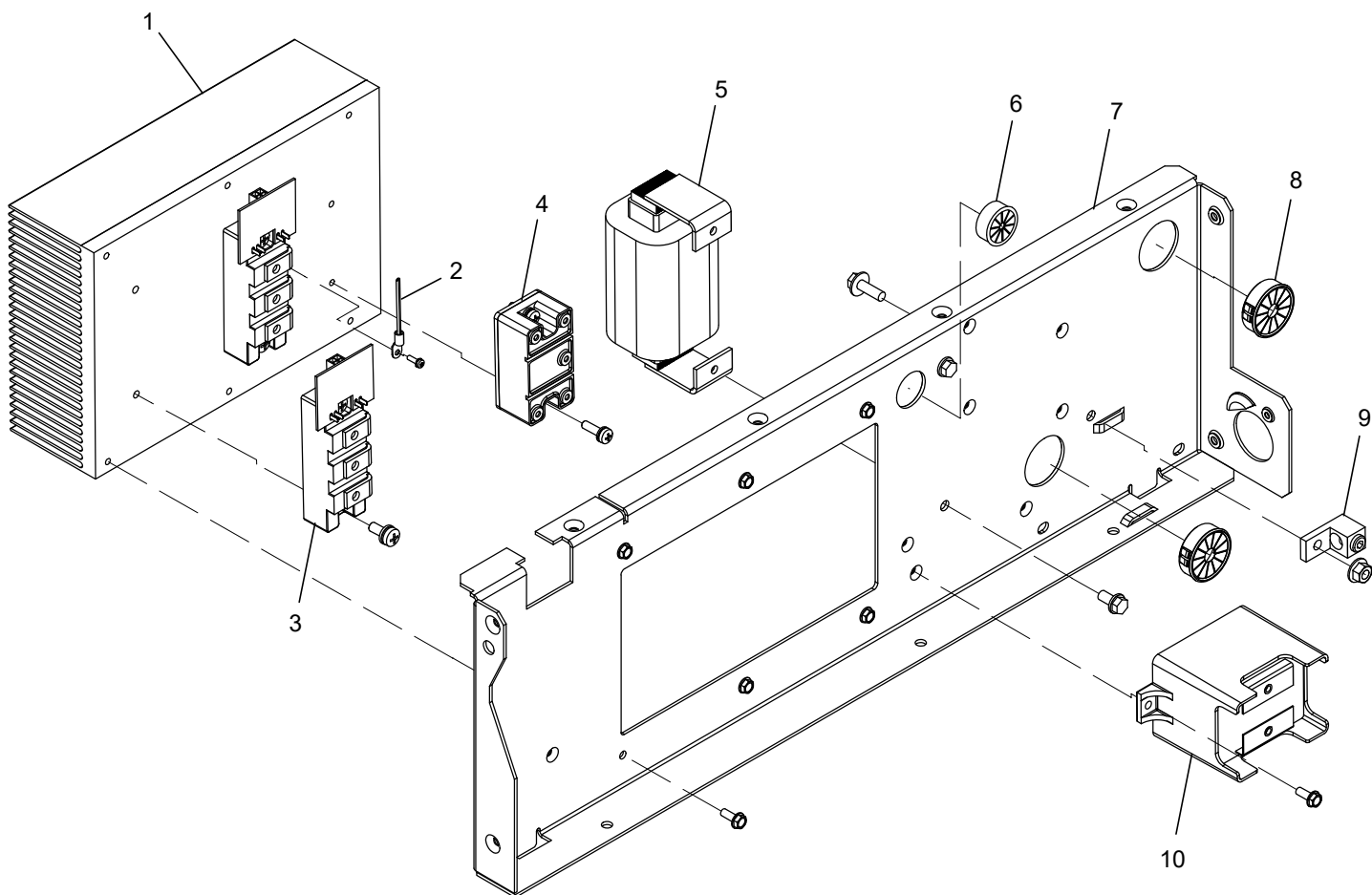
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		294071	Panel, Front w/Stand-Offs/Stud	1
2		294074	Label,Nameplate Miller Auto Deltaweld 350	1
3		281943	Conn, Ethernet RJ45 Rcpt Panel Mtg Sealed	1
4		244237	Dust Cap	1
5		297056	Plate, Front Panel USB Cover Blank	1
6		273211	Cable, USB 2.0 A-A Male 1Meter Panel-Mount IP-67	1
7		297057	Label, Nameplate USB Cover Blank	1
8		276855	Bracket, Mtg Fan	1
9		281995	Fan, Muffin 115V 60Hz 3400 Rpm 6.378 Mtg Holes TPA2	1
10		263560	Terminal, Pwr Output Black	1
11		279221	Bus Bar, Output	1
12	PC1	295161	Circuit Card Assy, Control w/Program	1
13		263559	Terminal, Pwr Output Red	1
14		283059	Weatherstripping, Adh Edpm .063 x .250 x 17.250	1
15		278284	Bracket, Corner Front and Back	2
16		276854	Bus Bar, Diode Output	1
17	PC6	294144	Circuit Card Assy, Front Panel Ui w/Program Auto Dw	1

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283241-C

RH Windtunnel

Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		276852	Heat Sink, Power Module	1
2	RT1	279338	Thermistor, NTC 30K Ohm @ 25 Deg C 8.00 in 2500V	1
3	PM1, 2	282285	Kit, IGBT Assy w/Circuit Card - 2 Mods Included	1
4	SR1	280254	Kit, Diode Power Module	1
5	L1	276897	Inductor, Input	1
6		153403	Bushing, Snap-In Nyl .750 Id x 1.000 Mtg Hole Cent	1
7		276697	Windtunnel, Rh	1
8		179276	Bushing, Snap-In Nyl 1.000 Id x 1.375 Mtg Hole Cent	2
9		148025	Lug, Univ w/Scr 600V 2/0-6 Wire .266 Stud	1
10	C1	280863	Capacitor, Polyp Met Film 30. UF 550 Vdc 10%	1
	PLG50, 51, 56, 57	279339	Plugs, w/Leads (Gate)	2

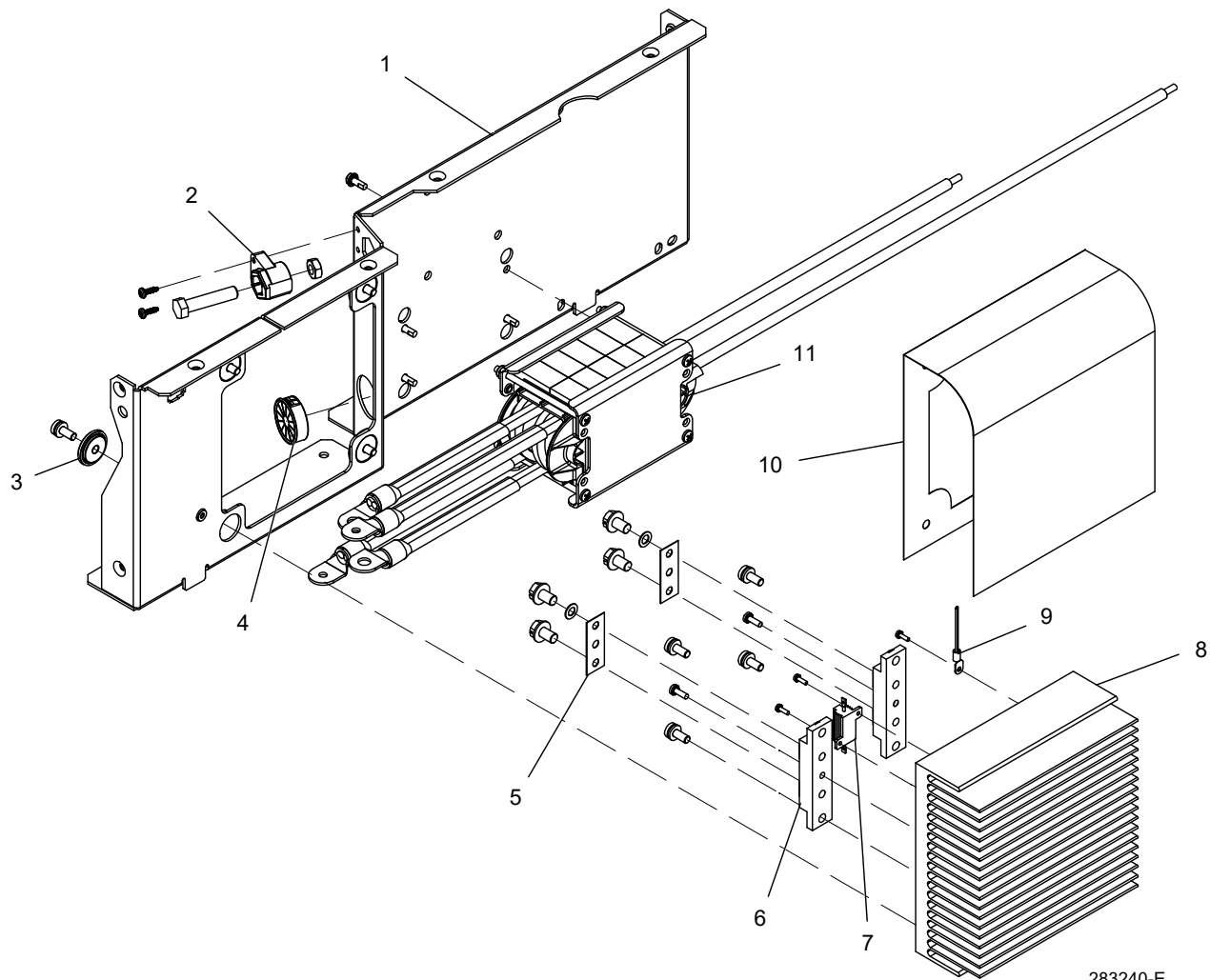
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LH Windtunnel

Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		291079	Windtunnel, Lh	1
2		279530	Stand-Off, Insul	1
3		283111	Insulator, Screw	4
4		179276	Bushing, Snap-In Nyl 1.000 Id x 1.375 Mtg Hole Cent	1
5		199840	Bus Bar, Diode	2
6	D1, 2	269909	Kit, Diode Power Module (Vishay) (Contains 1 Module)	2
7	R1/C2	233052	Resistor/Capacitor	1
8		276853	Heat Sink, Diode Output	1
9	RT2	279338	Thermistor, NTC 30K Ohm @ 25 Deg C 8.00 in 2500V	1
10		276856	Insulator, Heat Sink	1
11	T1	276898	XFMR, HF Litz/Litz	1

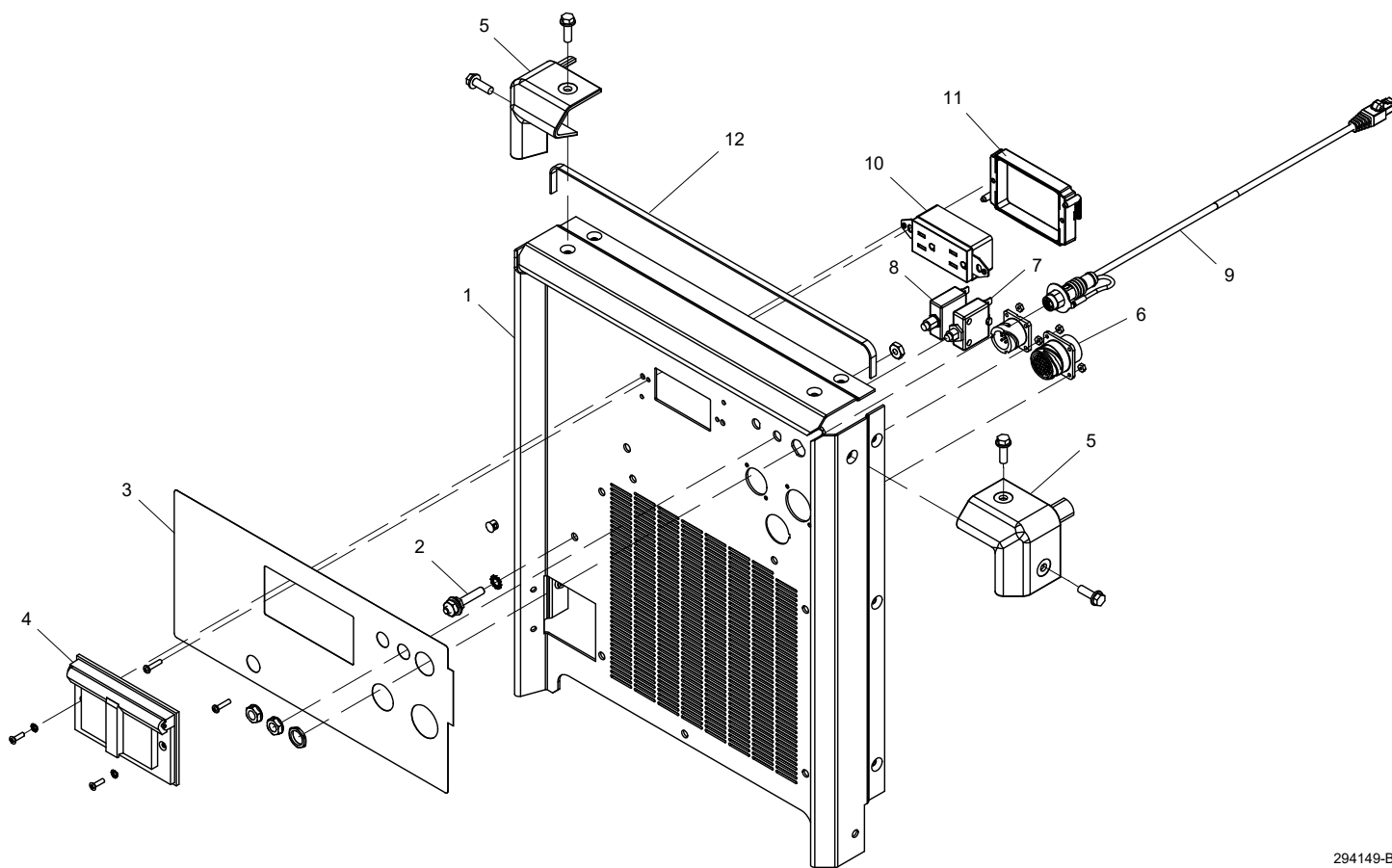
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Auto Deltaweld 350 (208-230/460 Volt Model)



294149-B

Rear Panel Assembly

Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		294150	Panel, Rear w/Inserts	1
2		197203	Grounding Stud Assy, Brass	1
3		294151	Label, Rear Auto Deltaweld	1
4		154022	Cover, Receptacle Duplex GFCI	1
5		278284	Bracket, Corner Front and Back	2
6		400397	Receptacle,w/Leads & Plug 19Pin Ethernet 29.000 In	1
7	CB2	083432	Supplementary Pro, Man Reset 1P 10A 250 Vac Frict	1
8	CB1	093995	Supplementary Pro, Man Reset 1P 15A 250 Vac Frict	1
9		294534	Cable Assy, Rj45 Male/M12 Female 3Ft Lg Shielded	1
10	RC1	174207	Rcpt, Str Dx Grd 2P3W 15A 125V *5-15R (RC1)	1
11		265204	Ring, Aux Power Receptacle	1
12		283059	Weatherstripping, Adh Edpm .063 x .250 x 17.250	1

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