



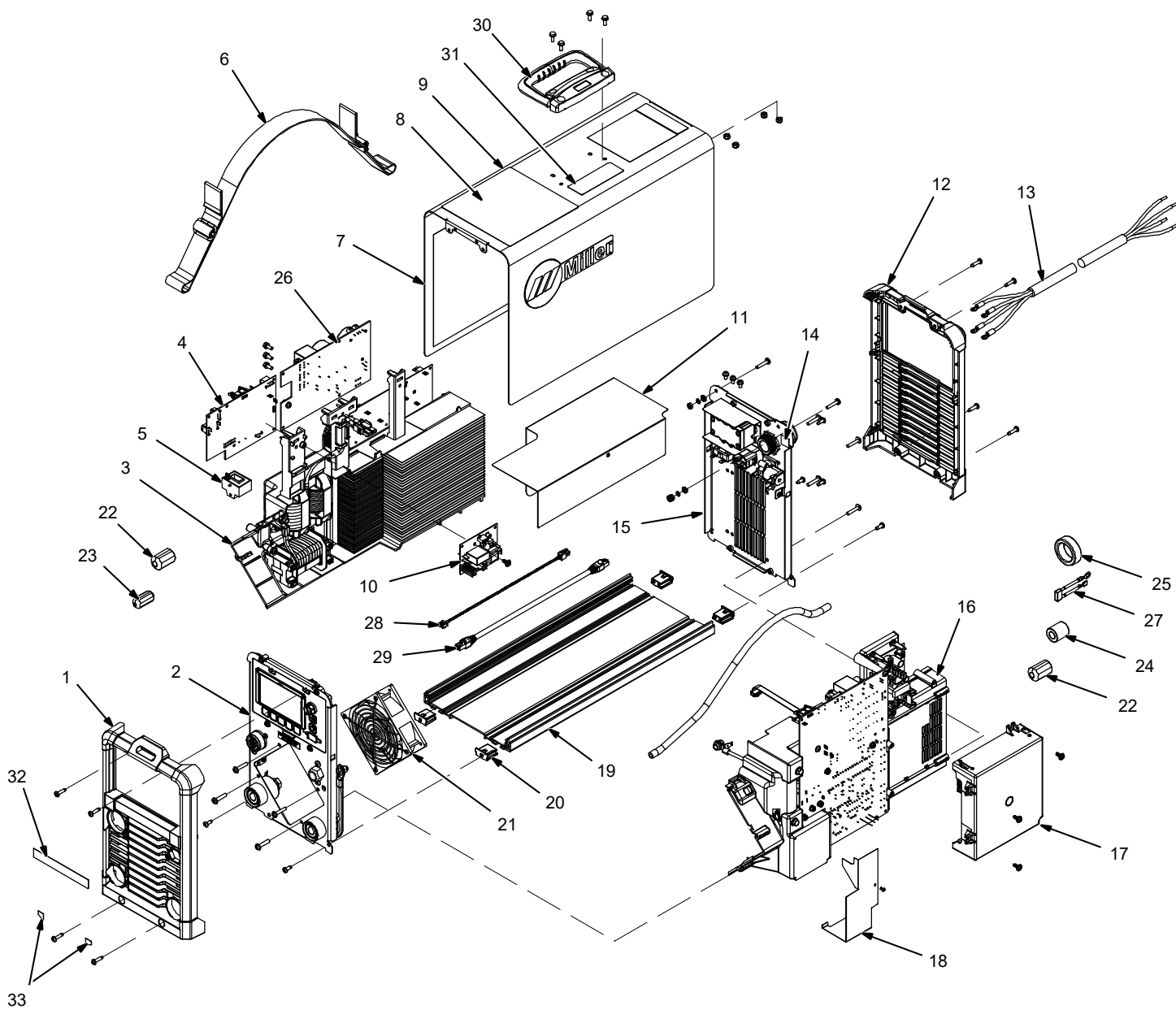
PM- 290023 D

Dynasty 210

Effective with Serial Number
NC320538L - ZZ222222R



PARTS MANUAL



805653-B

Main Assembly

Main Assembly

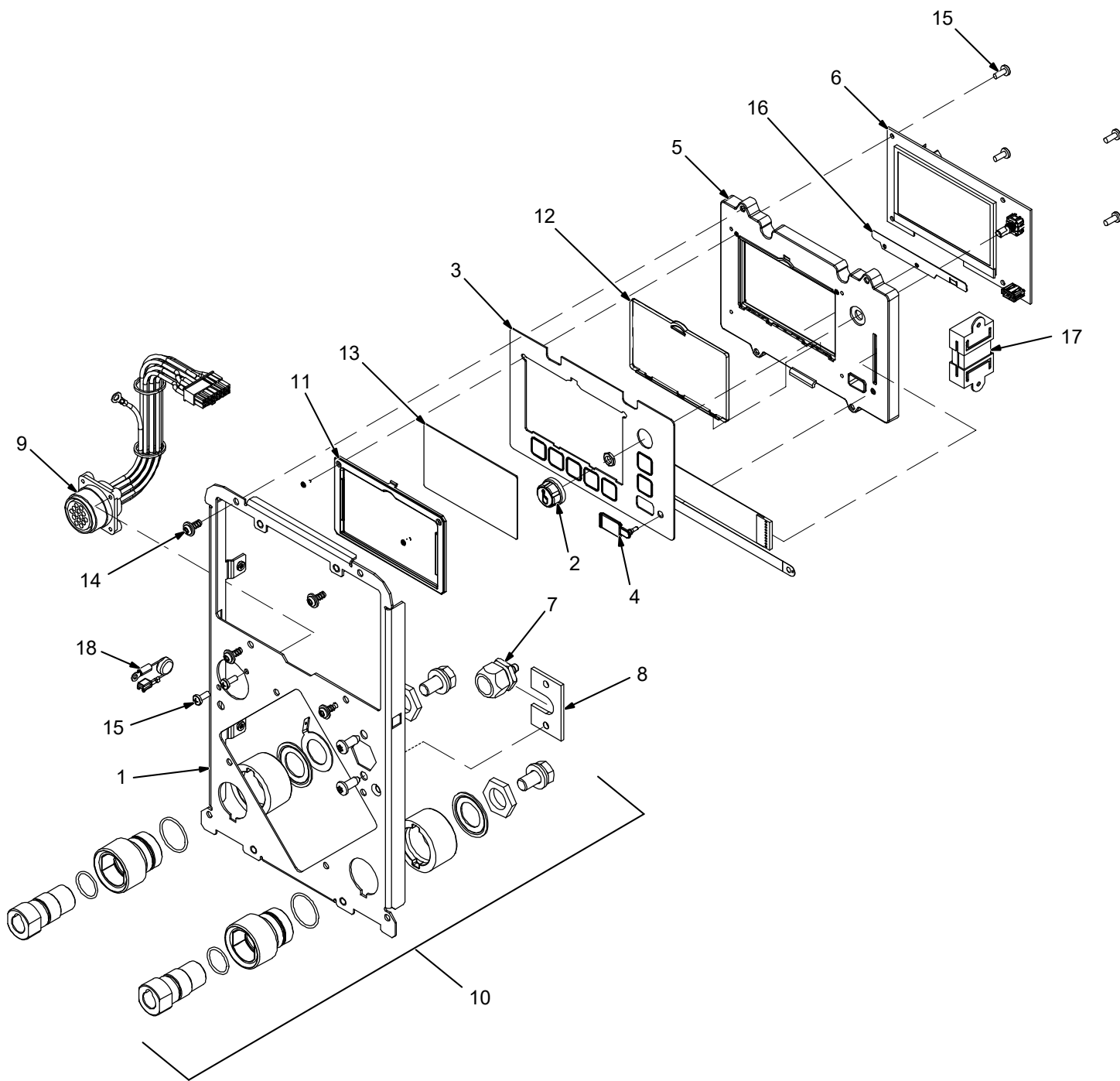
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		289219	Panel, Front Plastic	1
2			Front Panel Assembly (289560) (See following for subassembly information)	1
3			LH Wind Tunnel Assembly (290592) (See following for subassembly information)	1
4	PC2	293055	Kit, PC Board Process Control	1
	RC1,RC8	115094	Housing Plug + Skts, (Service Kit)	2
	RC40,RC80	115093	Housing Plug + Skts, (Service Kit)	2
	RC50	115092	Housing Plug + Pins (Service Kit)	1
	RC100	131058	Housing Plug + Skts	1
5	HD1	284620	Transducer, Current 200A Module Supply V +5V	1
6		257270	Strap, Shoulder	1
7		210166	Insulator, Wrapper	2
8		280528	Label, Warning General Precautionary Static (En/Fr/Sp) (En/Fr/Sp)	1
9		289555	↓ Wrapper	1
/			→ (Serial number and rating label need to be ordered per serial number)	1
10	PC4	288491	Circuit Card Assy, Arc Starter	1
	RC70	131204	Housing Plug + Skts, (Service Kit)	1
11		268859	Insulator, Main	1
12		289220	Panel, Rear Plastic	1
13		271478	Cable, Power 10Ft 6 In 12Ga 4C Blk/Red/Wht/Grny	1
13		294507	Cable, Power 10 Ft 6 In 4mm2 4C Blk/Brn/Gra/GrnYel (CE)	1
14		217553	Label, GND	1
15			Rear Panel Assembly (289561) (See following for subassembly information)	1
16			RH Wind Tunnel Assembly (290776) (See following for subassembly information)	1
17		250110	Shell, Potting Cooler Power Supply (No Cooler Power Supply) (CE)	1
17	PC8	269502	Kit, Power Supply, Cooler	1
18		254119	Insulator, Negative Stud	1
19		289226	Base	1
20		250946	Foot, Base	4
21	FM	280575	Fan, Muffin 24 Vdc 6400 Rpm 4.125 Mtg Holes w/Guard	1
22	L33,L34	265451	Core, Ferrite Round Cable .400 Id Clamp-On Emi Supp	2
22	L44	265451	Core, Ferrite Round Cable .400 Id Clamp-On Emi Supp (CE)	1
23	L31,L32	249747	Core, Ferrite Round Cable .201 Id Clamp-On Emi Supp	2
24	L42,L45	246958	Core, Ferrite 25.90mm Od x 12.80mm Id x 28.60mm LG Emi Supp (CE)	2
25	L40,L41	241026	Core, Ferrite 25.4mm Od x 15.5mm Id x 12.7mm Lg (CE)	2
26	PC10	253884	Circuit Card Assy, Input Filter (CE)	1
27		233133	Capacitor Assy (CE)	1
28		250856	Cable Assy, Hall Effect w/Plugs	1
29		275127	Cable, Ethernet Cat5E Utp Rj45 12.000 In Lg (BLK)	1
30		276345	Handle, Rubberized Carrying	1
31		290250	Label, Warning Falling Equipment (En/Fr/Sp) (En/Fr/Sp)	1
32		289783	Label, Dynasty 210	1
33		289827	Label, Work/Torch	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.



Ref. 289560-B

Front Panel Assembly

Front Panel Assembly

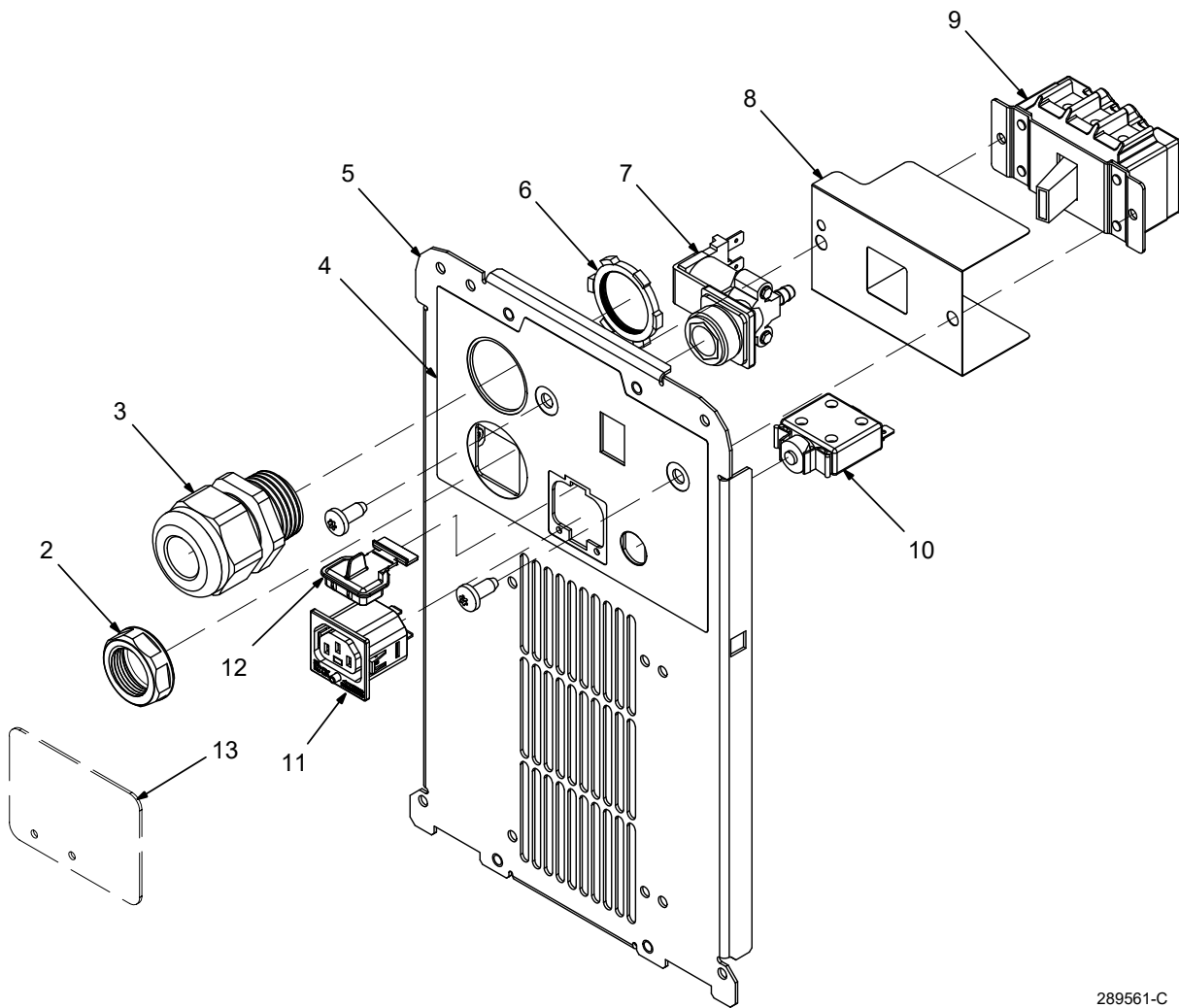
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		289558	Panel, Front	1
2		269555	Knob, .840 Dia x 6mm Id w/Spring Clip-4.5 w/Print	1
3		289228	Membrane, Switch Dynasty 210	1
4		289225	Cover, USB	1
5		289223	Panel, UI	1
6	PC3	290868	Kit, PC Board User Interface	1
7		231279	Fitting, Gas-clip Mount	1
8		230155	Bracket, Valve Mtg	1
9	RC1	250852	Lead Assy, Process Control To 14 Pin	1
	PLG100	131058	Housing Plug + Skts	1
	RC1	143976	Rcpt w/Skts, (Service Kit)	1
10		279661	Rcpt Assy, Tw Lk Insul Fem (Dinse Type)	1
		229333	Screw, M10 - 15 x 20 Hex Hd-Pln 8.8 Pld Sems	2
		185717	Nut, M20-1.5 1.00Hex .19H Brs Locking	2
		229338	Washer, Domed Load .812 Id x 1.450 Od x .070 Thk	2
		274935	Insulator, Bulkhead Rear	2
		274934	Insulator, Bulkhead Front	2
		250043	Receptacle, Twist Lock Dinse .890 Od	2
11		289222	Bezel, LCD	1
12		289224	Lens, LCD	1
13		290084	Lens Cover, Replaceable	1
14		208535	Screw, K50 x 12 Rnd Wshr HdTr	4
15		242579	Screw, K40 x 10 Pan Hd-Phl Stl Pld Pt	6
16		291422	Shield, Hf	1
17		292776	Core, Ferrite Cable Ribbon 1.775 x 0.250 In. w/Clip (CE)	1
18		292014	Capacitor Assy, .0022 Uf +/- 20% 440VAC X1/Y2 (CE)	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.



289561-C

Rear Panel Assembly

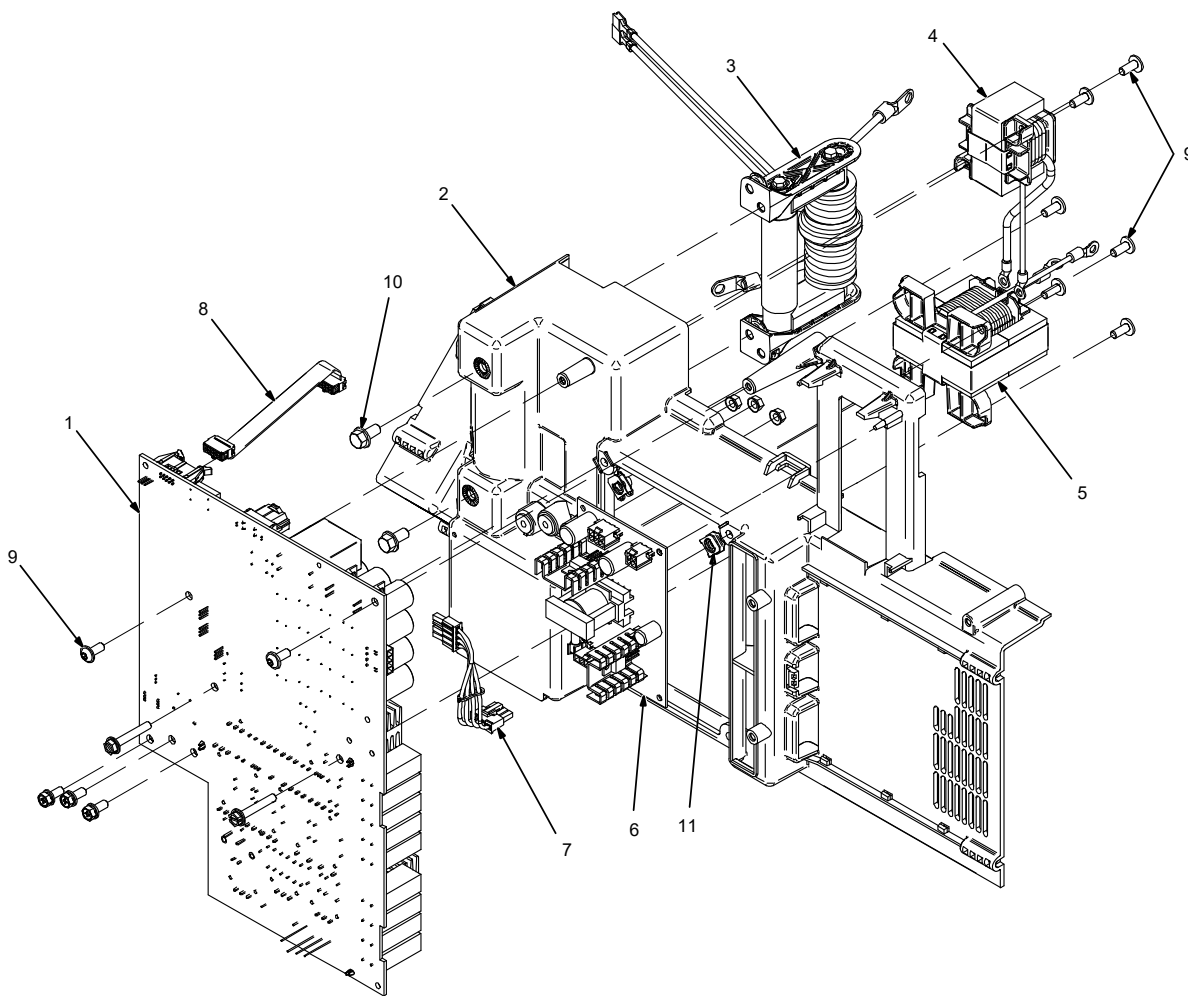
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		225049	Plug, Protective .598 x .31 Lg Rubber Yellow (Not Shown)	1
2		297693	Nut, 750 Npt 1.31 Hex .445H Nyl Blk	1
3		255469	Bushing, Strain Relief .490/.785D x 1.326 Mtg Hole	1
4			Nameplate, Rear (Order by Model and Serial Number)	1
5		289559	Panel, Rear	1
6		273571	Nut, Conduit 1.000 Npt Pld 1.71 Od x .14 Thk	1
7	GS1	297668	Valve, 24 Vdc 2 Way, 125 Psi Custom Port.054 Orf w/Fr	1
8		271718	Insulator, Switch Power	1
9	S1	244920	Switch, Tgl 3Pst 40A 600 Vac Scr Term Wide Tgl	1
10	SP1	183492	Supplementary Protector, Man Reset 1p 10A 250 Vac	1
11	RC2	270465	Rcpt, Str Grd 2P3W 10A 250V (Black) IEC 320-C13	1
12		270466	Cover, Outlet	1
13		270467	Plate, Rear Cover	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.



290776-A

RH Wind Tunnel Assembly

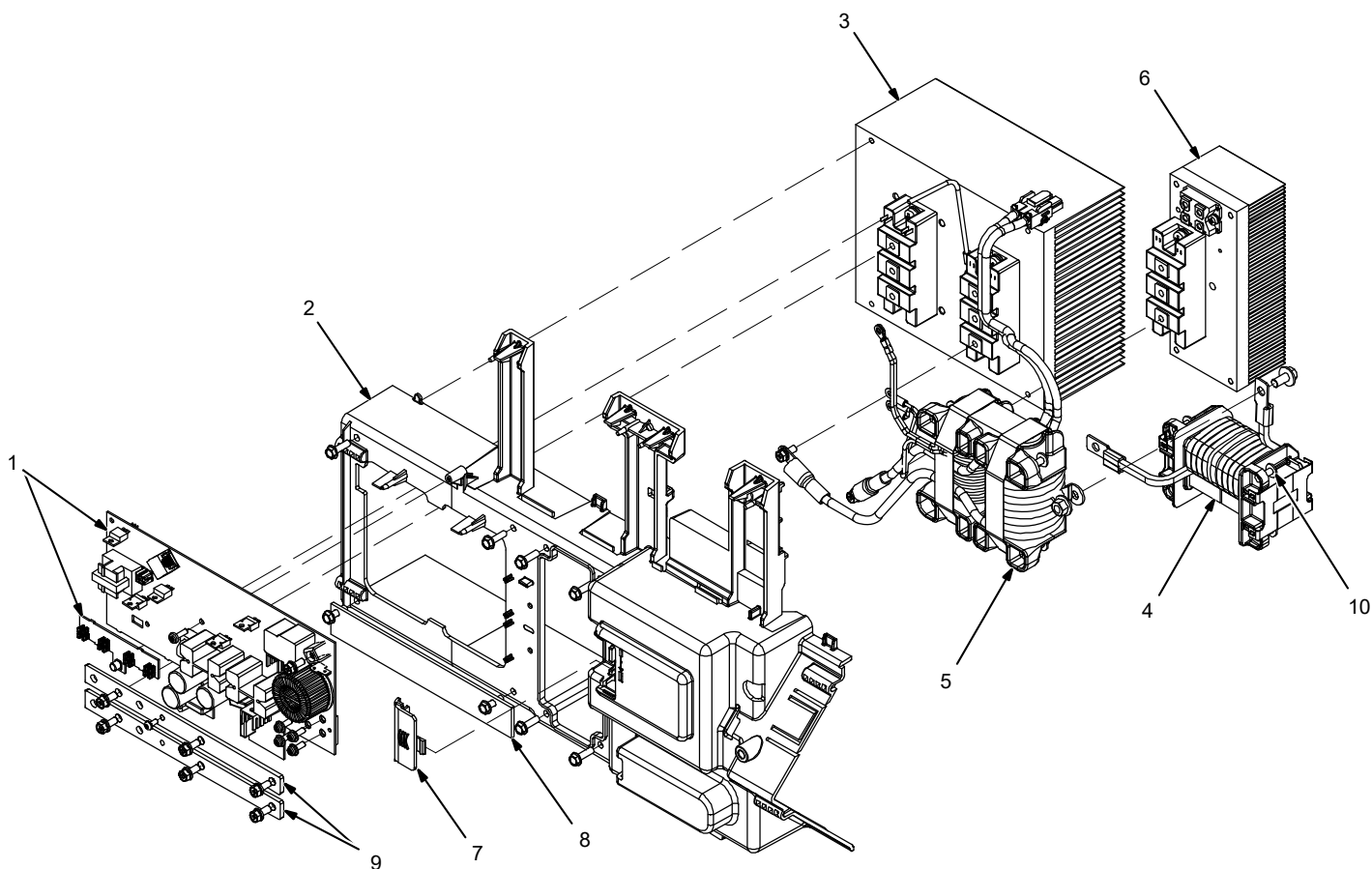
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1	PC1	286235	Kit, PCB Board Primary	1
	PLG308	201665	Housing Plug + Skts (Service Kit)	2
2		246619	Windtunnel, Right	1
3	T2	268676	XFMR, HF Coupling	1
4	L2	268673	Inductor, DI-DT	1
5	L1	268672	Inductor, Input	1
6	PC7	266586	Circuit Card Assy, Flyback 60w 940V In	1
	RC30,RC200	201665	Housing Plug + Skts (Service Kit)	2
	RC40	115093	Housing Plug + Skts, (Service Kit)	1
	RC210	115094	Housing Plug + Skts, (Service Kit)	1
7		250845	Lead Assy, Primary To Flyback	1
8		289826	Cable, Ribbon 10 Posn 5.000 In. Pbt To PA66	1
9		208535	Screw, K50 x 12 Rnd Wshr HdTr	8
10		233913	Screw, .250-14 x .50 Hexwhd T-25 T/C SC ZC	2
11		207152	Nut, 010-32 U-Nut Multi-Thread	2

*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.



290592-B

LH Wind Tunnel Assembly

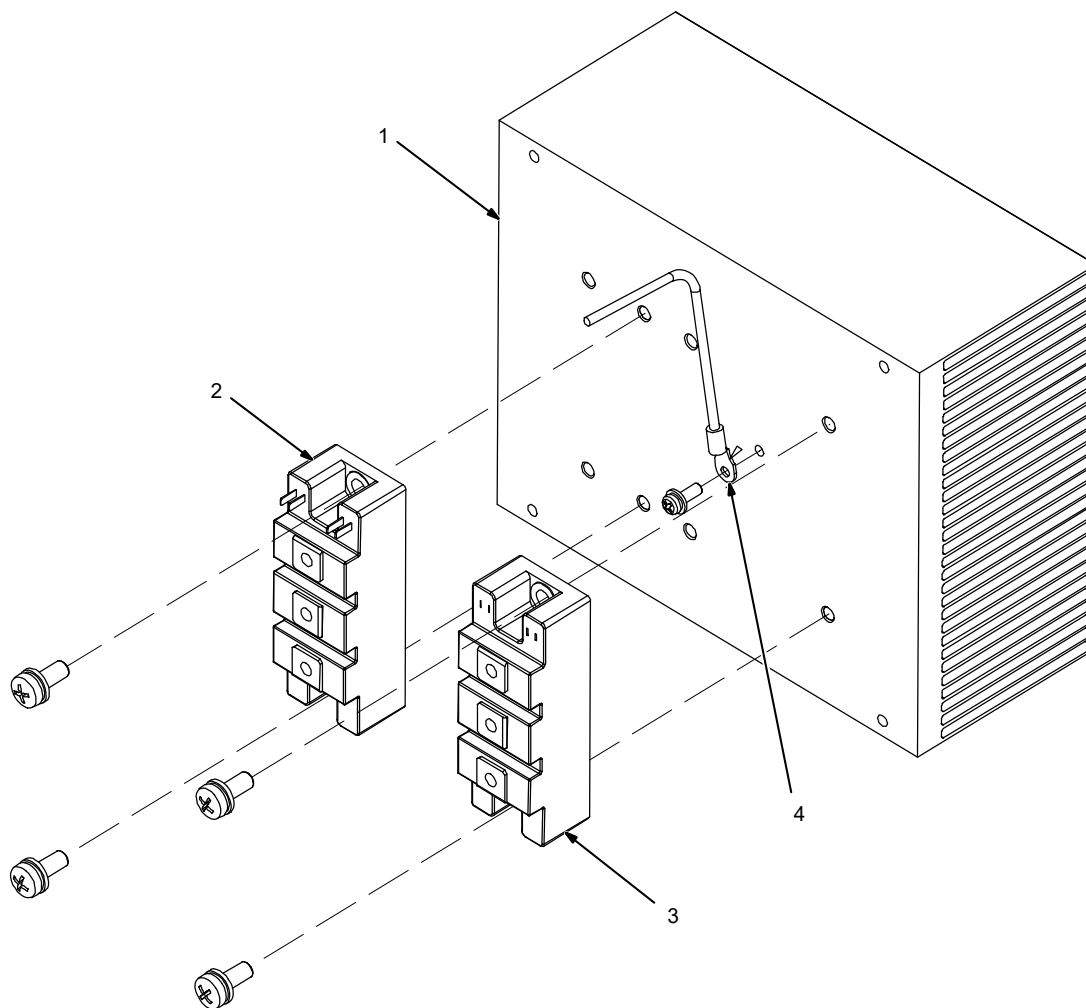
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1	PC5	283676	Circuit Card Assy, Secondary	1
2		246620	Windtunnel, Lh	1
3			IGBT Heat Sink Assembly (290597) (See following for subassembly information)	
4	Z1	290582	Inductor, Output	1
5	T1	290594	XFMR, HF Litz/Litz w/Boost	1
6			Diode Heat Sink Assembly (290596) (See following for subassembly information)	
7		249529	Cover, XFMR Leadout	1
8		257268	Bracket, Wind Tunnel	1
9		290457	Bus Bar, Cop .625 x 8.000 x .125 Thk	2
10		208535	Screw, K50 x 12 Rnd Wshr HdTr	8

*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.



290597-B

IGBT Heat Sink Assembly

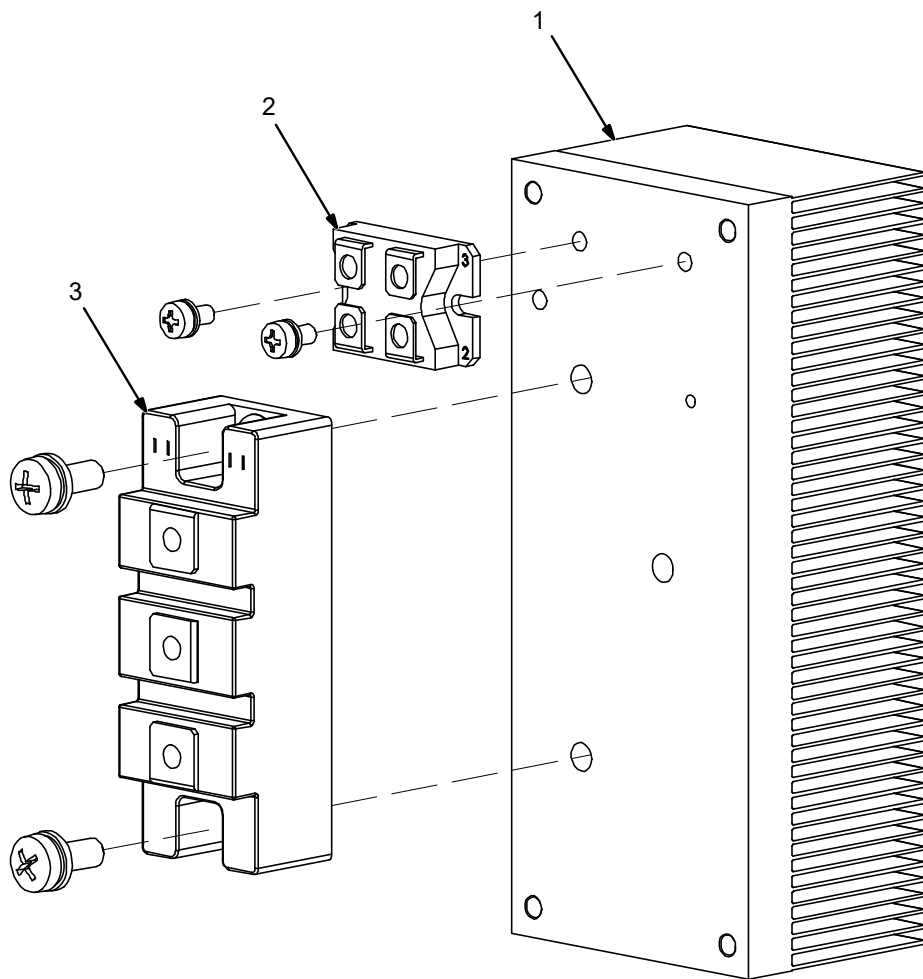
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		290326	Heat Sink, IGBT	1
2	PM21	287149	Transistor, IGBT Module 295A 600V Dual Pcm Smkrn	1
3	D22	287147	Kit, Diode	1
4		282398	Thermistor, NTC 30K Ohm at 25 Deg C 7.00 Lead	1

*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.



290596-B

Diode Heat Sink Assembly

Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		290327	Heat Sink, Diode	1
2	D23	201530	Kit, Diode Fast Recovery Bridge	1
3	D21	287147	Kit, Diode	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.

Cooler Parts List

 See *Cooler Parts Manual PM-290015 for Coolmate 1.3*

Small Runner Cart Parts List

 See *Parts Manual PM-290248* for Small Runner Cart.