



PM- 290047 C

Dynasty and Maxstar 400 and 800 CE and Non-CE

Eff w/NB460295L-NB460344L and NC150799L-NE210335L Dynasty 400

Eff w/NC150297L-NE210335L Dynasty 800

Eff w/NC150361L-NE210335L Maxstar



PARTS MANUAL



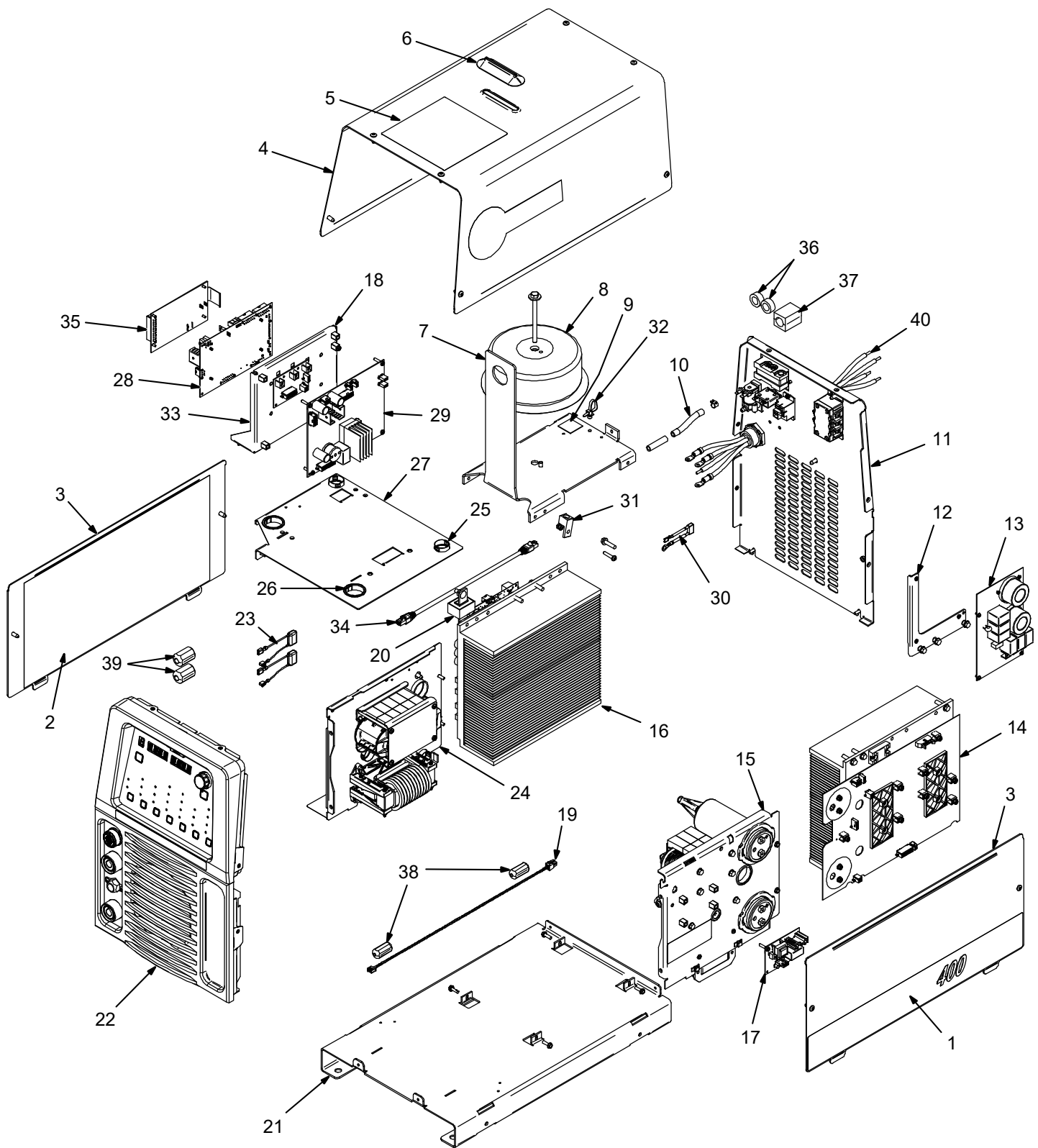
PM- 290047 C

Dynasty 400

Effective with Serial Number
NB460295L-NB460344L
and NE210335L



PARTS MANUAL



805638-A

Main Assembly

Main Assembly

Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		275864	Label, Side Dynasty 400	2
2		224516	Insulator, Side	2
3		216878	Panel, Side	2
4		+ 213056	Wrapper, Top	1
5		280528	Label, Warning General Precautionary Static (En/Fr/Sp)	1
5		179310	Label, General Precautionary Wordless Intl Small	1
6		213073	Seal, Lift Eye	1
7		213058	Lift Eye	1
8	T3	280906	XFMR, Control Toroidal 665 VAC PRI 660VA 60Hz	1
9		155436	Label, Ground/Protective Earth	1
10		284789	Hose, Polyurethane Black .208 Id x .406 Od x 32 In.	1
11			Panel, Rear w/Components	1
12		277569	Bracket, Filter Board (CE)	1
13	PC10	279206	Circuit Card Assy, Filter (CE)	1
14			Heatsink, Primary Assembly	1
15			Wind Tunnel, Right Hand w/Components	1
16			Heatsink, Secondary Assembly	1
17	PC4	247046	Circuit Card Assy, Arc Starter	1
/	PLG1	131204	Housing Plug + Skts, (Service Kit)	1
18		083147	Grommet, Scr No 8/10 Panel Hole .312 Sq .500 High	8
19		275299	Cable Assy, Hall Effect w/Plugs 19.000 In	1
20	HD1	279328	Transducer, Current 400A/1100A Module Supply V +5V	1
21		213055	Base	1
22			Front Panel Assembly	1
/		224521	Connection Kit, Dinse	1
23	C22,C24	221707	Capacitor Assy	2
24			Wind Tunnel, Left Hand w/Components	1
25		057357	Bushing, Snap-In Nyl .937 Id x 1.125 Mtg Hole	2
26		170647	Bushing, Snap-In Nyl 1.312 Id x 1.500 Mtg Hole	2
27		274961	Panel, Top Windtunnel	1
28	PC2	291543	Kit, PC Board Process Control	1
28	PC2	294468	Kit, PC Board Process Control (CE) (Eff w/NC460322L)	1
/	PLG1	115093	Housing Plug+Pins (Service Kit)	1
/	PLG40	115094	Housing Plug + Skts, (Service Kit)	1
/	PLG60	131055	Housing Rcpt+Skts, (Service Kit)	1
/	PLG80	131204	Housing Plug + Skts, (Service Kit)	1
/	PLG100	131056	Housing Plug+Pins (Service Kit)	1
/	PLG140	131056	Housing Plug+Pins (Service Kit)	1
29	PC7	280555	Circuit Card Assy, Aux Power w/Program	1
/	PLG150	130203	Housing Plug+Pins (Service Kit)	1
/	PLG222	131204	Housing Plug + Skts, (Service Kit)	1
/	PLG4	158719	Housing Rcpt+Skts, (Service Kit)	1
/	PLG7	131052	Housing Rcpt+Skts, (Service Kit)	1

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

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Main Assembly

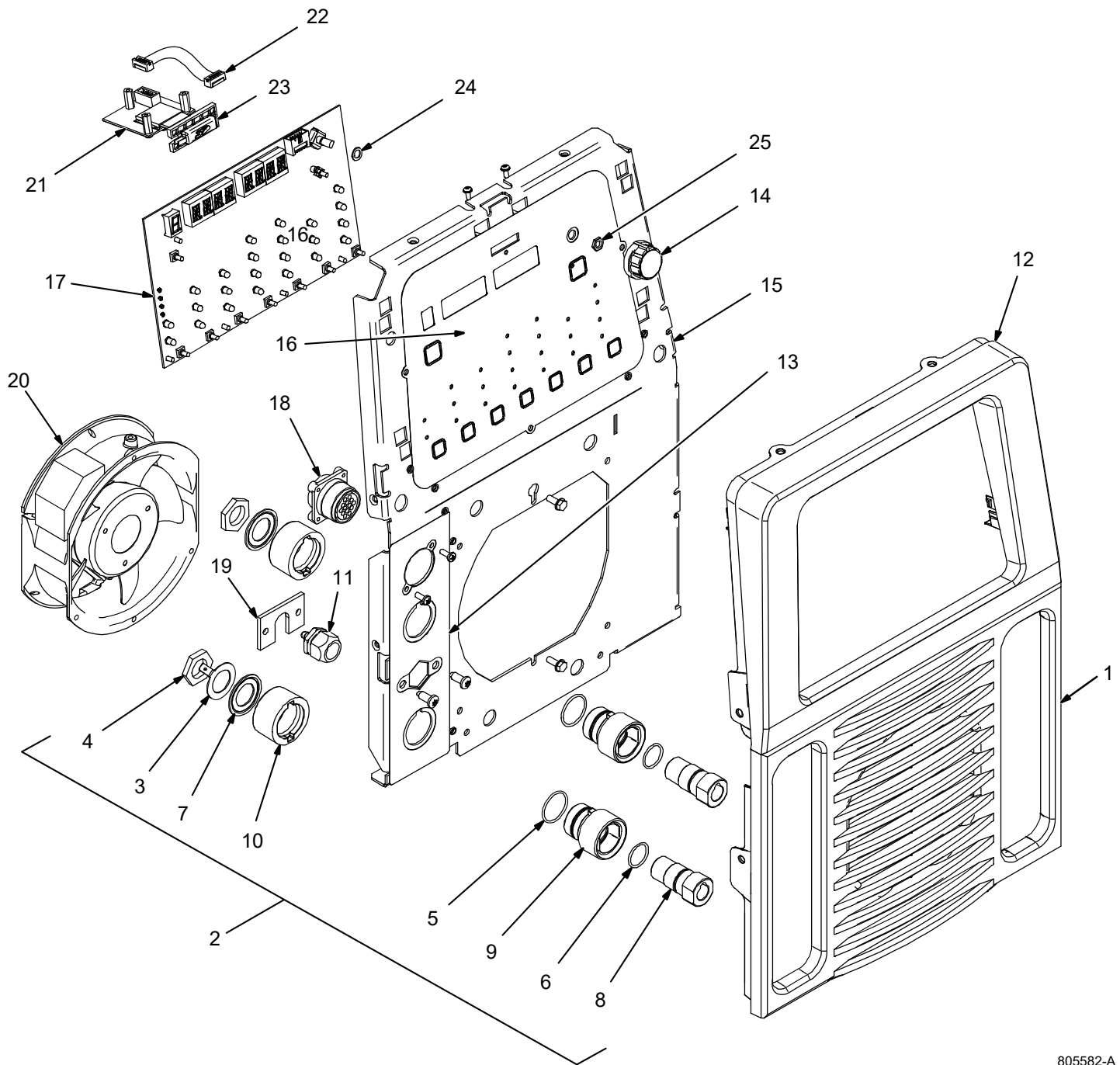
Item No.	Dia. Mkgs.	Part No.	Description	Qty
/	PLG10	131054	Housing Rcpt + Skts, (Service Kit)	1
/	PLG11	115093	Housing Plug+Pins (Service Kit)	1
30			Not used on this model	0
31		213248	Lug, Univ w/Screw 2/0-14 Wire 266STD	1
32		235496	Cable Tie, 0.06-2.000 Bundle Dia Tree Style Push Mount Mtg Hole Dia .246-.276 (CE)	1
33		275176	Bracket, Mtg Circuit Card Assy	1
34		275127	Cable, Ethernet Cat5E Utp Rj45 12.000 In Lg (BLK)	1
/		278161	↓ Kit, Automation Interface Connection	1
35	PC13	273436	→ Circuit Card Assy, Automation	1
/		278321	→ Receptacle, w/Leads & Plug 28 Pin	1
/		218715	→ Conn, Circ Ms/Cpc 28 Pin Size 17 Plug Cable Push-in	1
/		218713	→ Conn, Circ Ms/Amp Pin Push-in 20-24Ga Solder Cup	28
/		079739	→ Conn, Circ Cpc Clamp Str Rlf Size 17-20 703od	1
/	PLG210	167333	Housing Plug+Skts, (Service Kit)	1
36			Not used on this model	0
37			Not used on this model	0
38	L31,L32,L37	249747	Core, Ferrite Round Cable .201 Id Clamp-On Emi Supp	3
39	L33,L34	265451	Core, Ferrite Round Cable .400 Id Clamp-On Emi Supp	2
40		216880	Cable, Power 10 Ft 8Ga 4C	1
40		294526	Cable, Power 11 Ft 6 in 4mm2 4c Blk/Brn/Gra/GrnYel (CE)	1

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805582-A

Front Panel Assembly

Front Panel Assembly

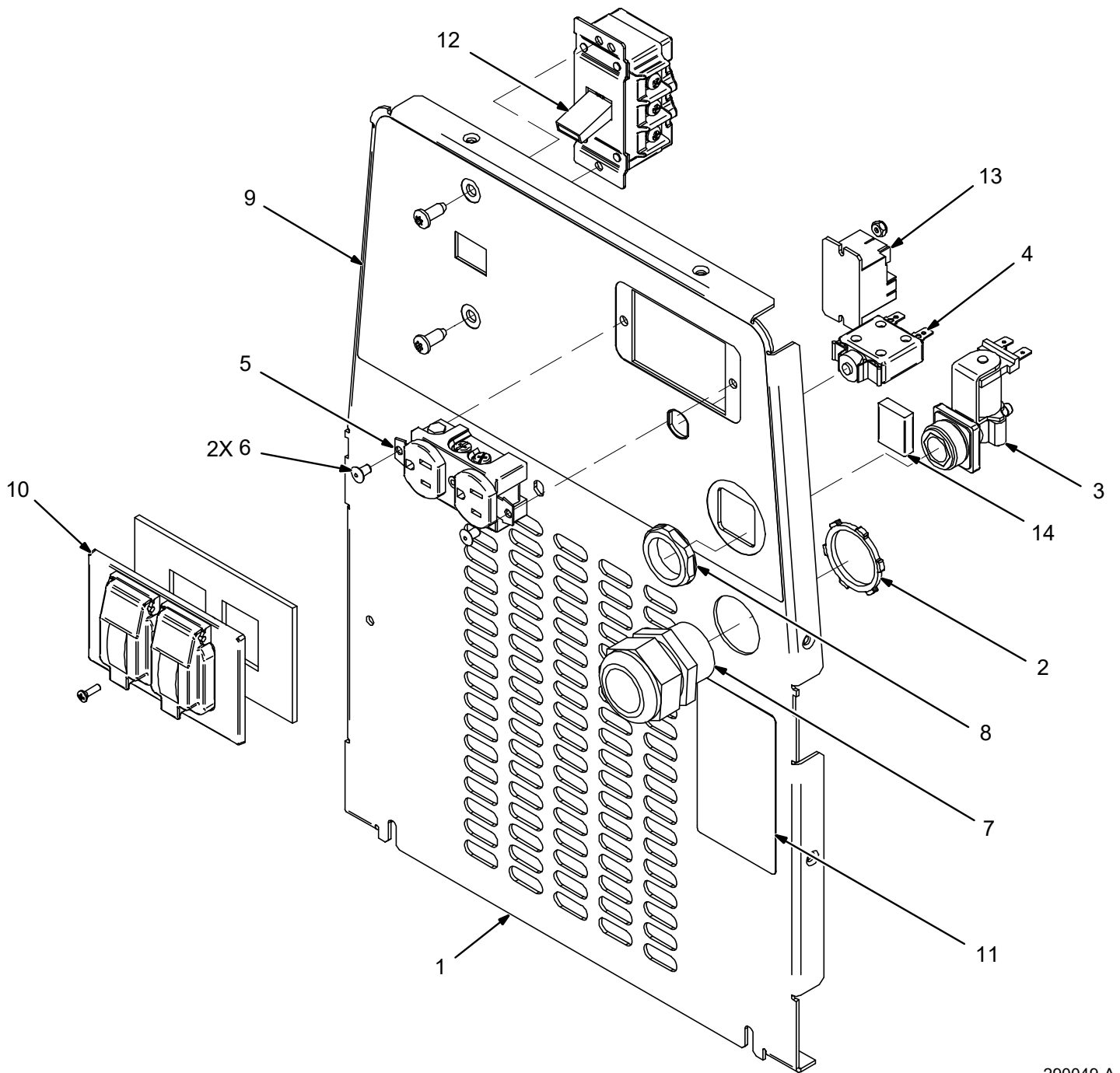
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		213053	Panel, Louver Cover	1
2		279661	Rcpt Assy, Tw Lk Insul Fem (Dinse Type)	2
3		178548	Terminal, Connector Friction	1
4		185717	Nut, M20-15 100Hex 19H Brs Locking	1
5		185718	O-Ring, 0.989 Id x 0.070H	1
6		186228	O-Ring, 0.739 Id x 0.070 H	1
7		229338	Washer, Domed Load .812 Id x 1.450 Od x .070 Thk	1
8		250043	Receptacle, Twist Lock Dinse .890 Od	1
9		274934	Insulator, Bulkhead Front	1
10		274935	Insulator, Bulkhead Rear	1
11		231279	Fitting, Gas-clip Mount	1
12		213051	Panel, Front Top	1
13		233115	Plate, Indicator Front	1
14		228546	Knob, Pointer 1.125 Dia x 6mm Id w/Spring Clip - 45mm Flat	1
15		273669	Panel, Front	1
16		273670	Nameplate, Dynasty	1
17	PC3	279664	Kit, PC Board User Interface	1
18	RC1	275258	Lead Assy, Process Control To 14 Pin	1
19		230155	Bracket, Valve Mtg	1
20	FM	213072	Fan, Muffin 115V 60Hz 3400 Rpm 6.378 Mtg Holes	1
21	PC9	274828	Kit, PC Board SD Card Interface	1
22		254529	Cable, Ribbon 10 Posn 5.000 in Skts To Skts	1
23		254052	Cover, SD Card	1
24		254153	Washer, Flat .281 Id x 0.500 Od x .031T Stl Pld (Between encoder and sheet metal)	1
25		254151	Nut, M07-.75 10mm Hex 2mm H Stl Pld	1

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290049-A

Rear Panel Assembly

Rear Panel Assembly

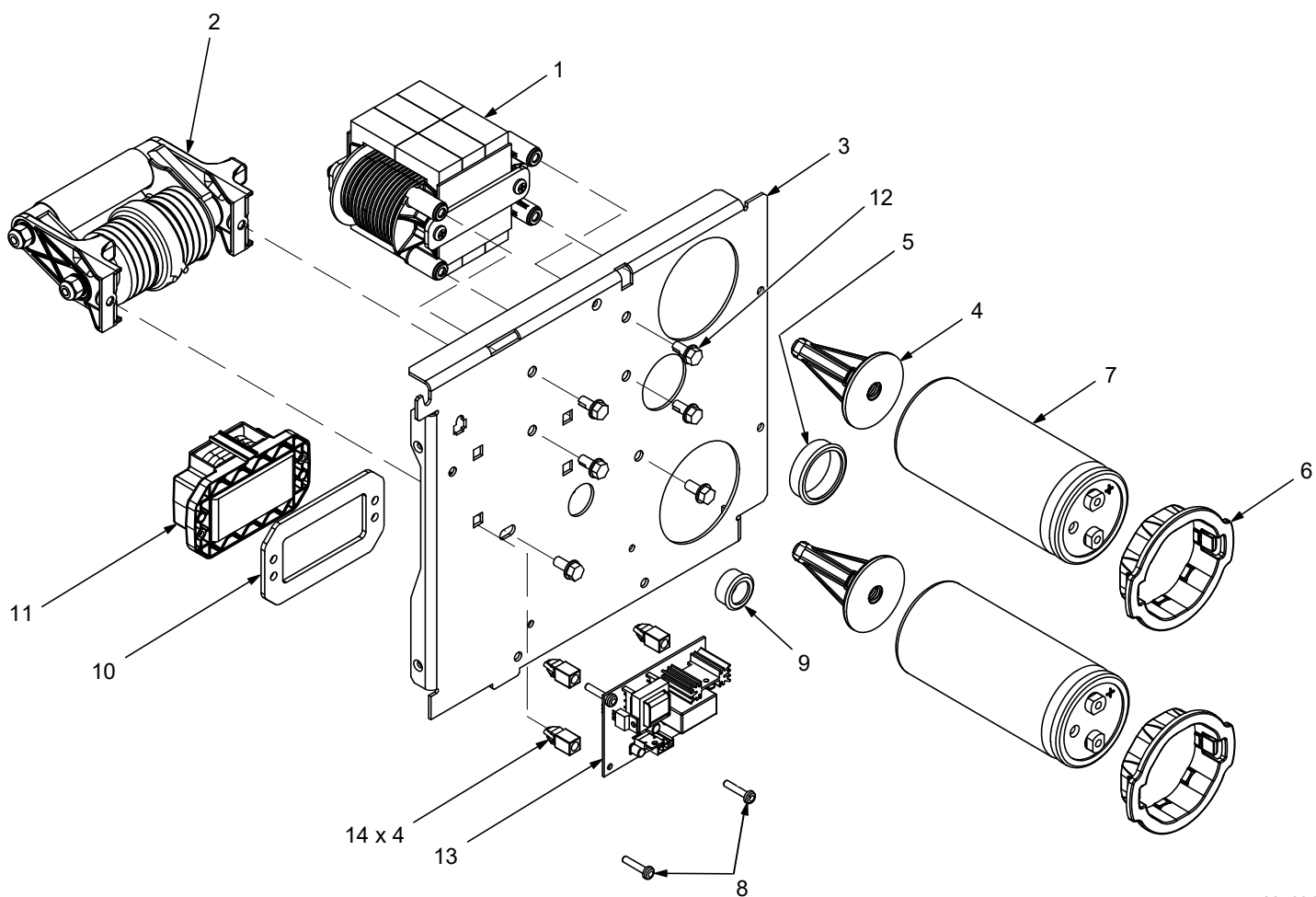
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		+ 273981	Panel, Rear (Order By Stock And Serial Number)	1
2		182445	Nut, Conduit 1.000 Npt Pld 1.688 Od x .200 Thk	1
3	GS1	238805	Valve, 24 VDC 2Way 125 PSI Custom Port 054 Orf w/Frict (Not in Maxstar STR)	1
4	SP1	202711	Supplementary Protector, Man Reset 1P 7A 250V Fric	1
5	RC2	189033	Rcpt, Str Dx Gnd 2P3W 15A 125V (Gray)	1
6		127013	Rivet, Al .187 Dia x .063-.125 Grip Blk Blind Dome	2
7		215980	Bushing, Strain Relief .709/.984 Id x 1.375 Mtg Hole	1
7		255469	Bushing, Strain Relief .490/.785D x 1.326 Mtg Hole (CE)	1
8		137761	Nut, 750 Npt 1.31 Hex .27H Nyl Blk	1
9		277568	Nameplate, Ident Rear	1
10		217297	Cover, Receptacle Weatherproof Duplex Rcpt	1
11		217480	Label, Warning Incorrect Connections	1
11		219842	Label, Warning Input Connections/Electric Shock (CE)	1
12	S1	244920	Switch, Tgl 3Pst 40A 600VAC Scr Term Wide Tgl	1
13	CR1	206258	Relay, Encl 24 VDC Spst 30S/24 VDC 4-Pin Flange Mtg	1
14		278019	Gasket, Emi 10mm x 20mm x 25.4mm	1

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

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285634-C

Windtunnel, Right Hand with Components

Windtunnel, Right Hand with Components

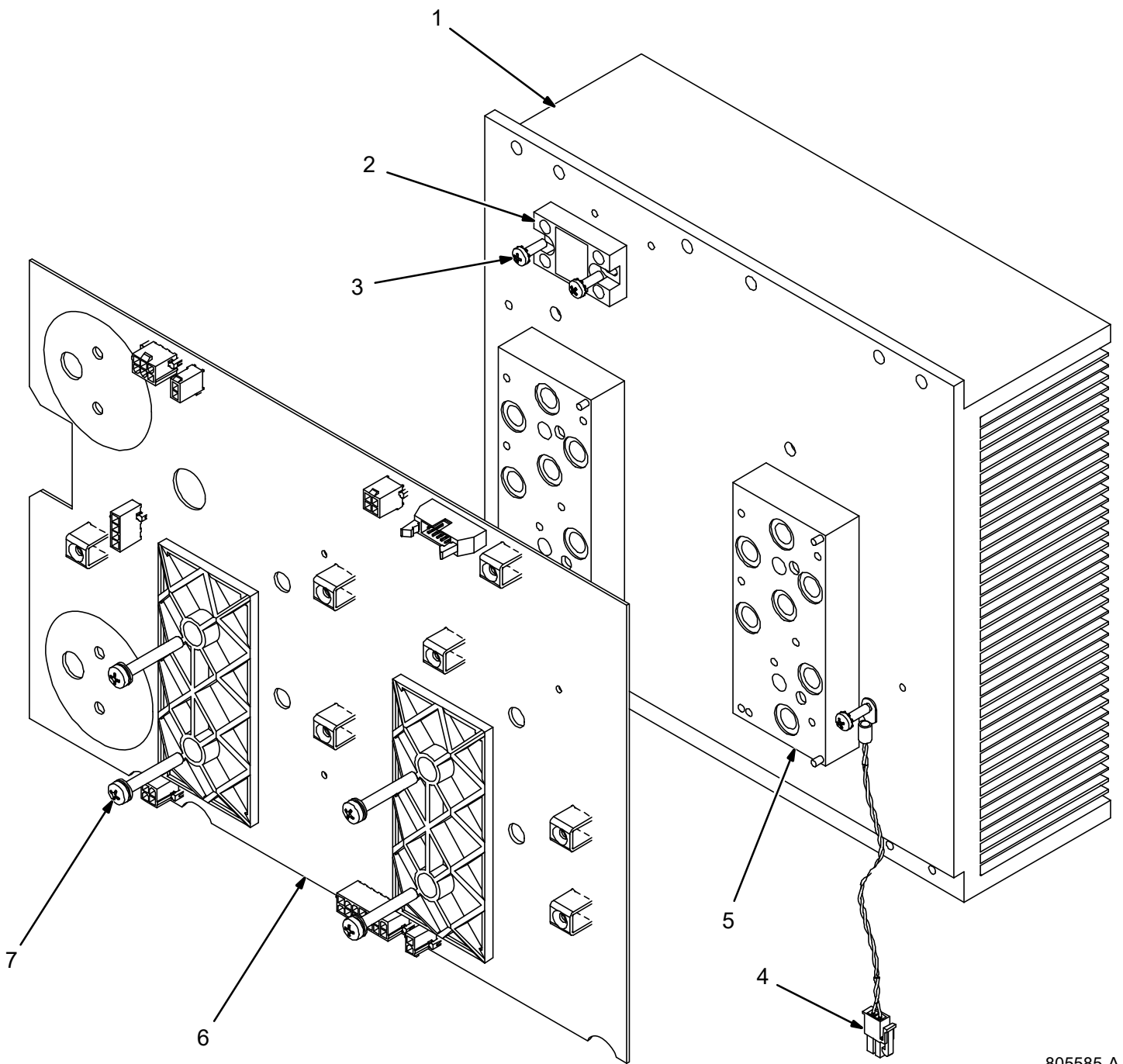
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1	L11	276208	Inductor, Input	1
2	T2	242782	XFMR, HF Coupling	1
3		+ 274959	Panel, Right Windtunnel	1
4		216861	Stand-Off, Capacitor	2
5		170647	Bushing, Snap-In Nyl 1.312 Id x 1.500 Mtg Hole	1
6		216860	Grommet, Capacitor	2
7	C4,C20	245614	Capacitor, Elctlt 1800 UF 500 VDC Can 2.52 Dia	2
8		207418	Screw, K40 x 12 Pan Hd-Phl Stl Pld Pt Thread Forming	2
/		218004	Label, Warning Electric Shock/Exploding Parts (Prior to NC460322L)	1
9		010493	Bushing, Snap-In Nyl .625 Id x .875 Mtg Hole	1
10		218566	Gasket, Inductor Mounting E70 Ferrite Core	1
11	L12	213348	Coil, Inductor (Pre-Regulator)	1
12		233913	Screw, .250-14 x .50 Hexwhd T-25 T/C SC ZC	6
13	PC4	247046	Circuit Card Assy, Arc Starter	1
14		083147	Grommet, Scr No 8/10 Panel Hole .312 Sq .500 High	4

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805585-A

Heatsink, Primary Assembly (Eff with NB320289L-NB460344L (Non-CE) and NC150799L-ND310105L (Non-CE) and NC150799L-NE210335L (CE))

Heatsink, Primary Assembly (Eff with NB320289L-NB460344L (Non-CE) and NC150799L-ND310105L (Non-CE) and NC150799L-NE210335L (CE))

Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		213346	Heatsink, Power Module	1
2	RM1	205751	Module, Power Resistor w/Plug	1
3		207451	Screw, 008-32 x .50 Pan Hd-Phl Stl Pld Sems	3
4	RT11	213353	Thermistor, NTC 30K Ohm @ 25 Deg C 8 In Lead	1
5	MOD1,2	261556	Kit, Input/Pre-Regulator And Inverter Module (Includes MOD1, MOD2)	1
6	PC1	287963	Kit, Circuit Card Assy, Power Interconnect	1
/	PLG101	131054	Housing Rcpt + Skts, (Service Kit)	1
/	PLG2	201665	Housing Plug + Skts (Service Kit)	1
/	PLG400	115093	Housing Plug+Pins (Service Kit)	1
/	PLG6	131056	Housing Plug+Pins (Service Kit)	1
/	PLG71	115094	Housing Plug + Skts, (Service Kit)	1
/	PLG8	279432	Housing Rcpt+Skts, (Service Kit)	1
7		229334	Screw, M5 - .8 x 35 Pan Hd-Phl Stl Pld Sems	4

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

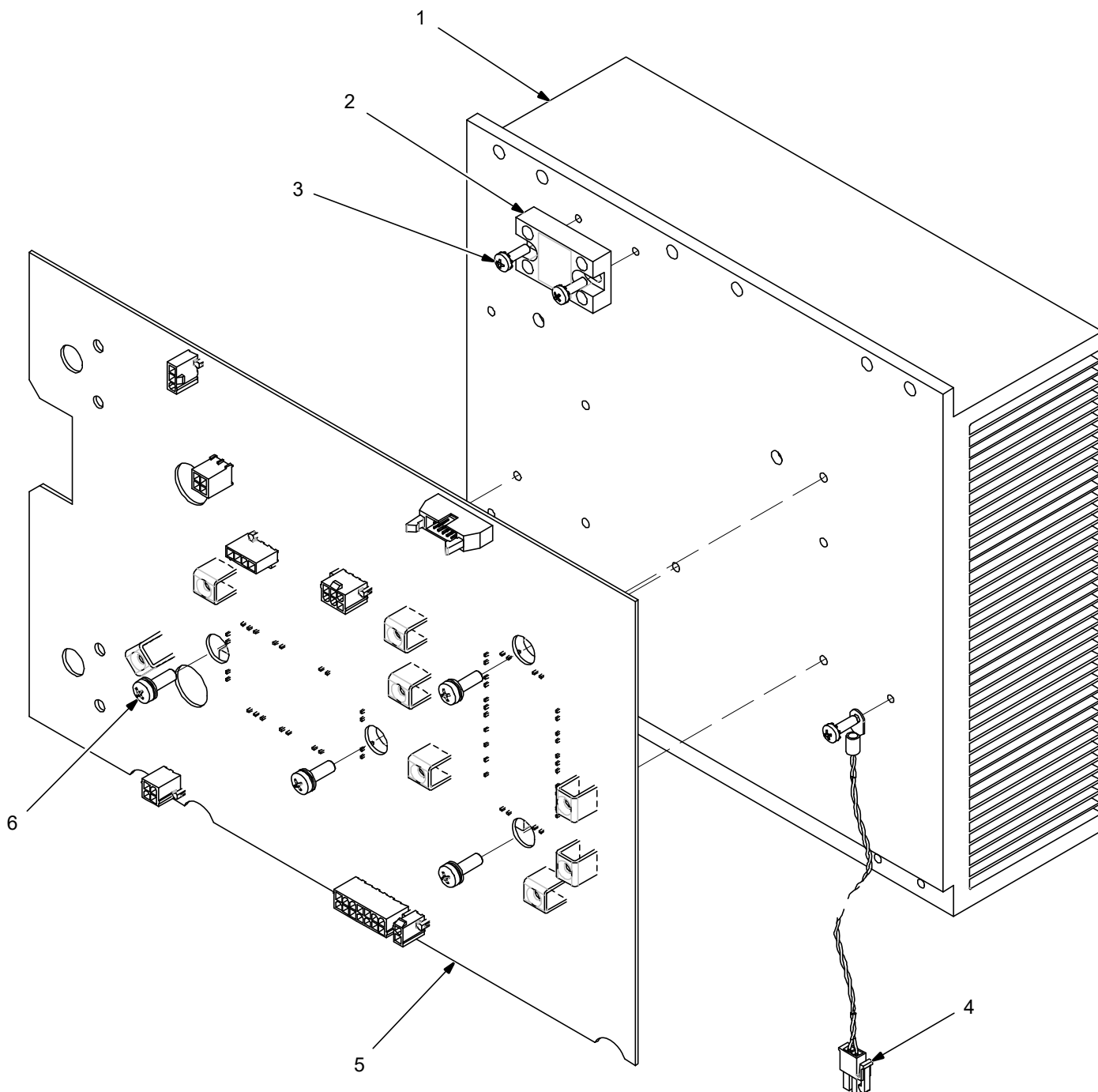
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Dynasty 400

Page 13



294699-A

Heatsink, Primary Assembly (Eff with ND310106L-NE210335L (Non-CE))

Heatsink, Primary Assembly (Eff with ND310106L-NE210335L (Non-CE))

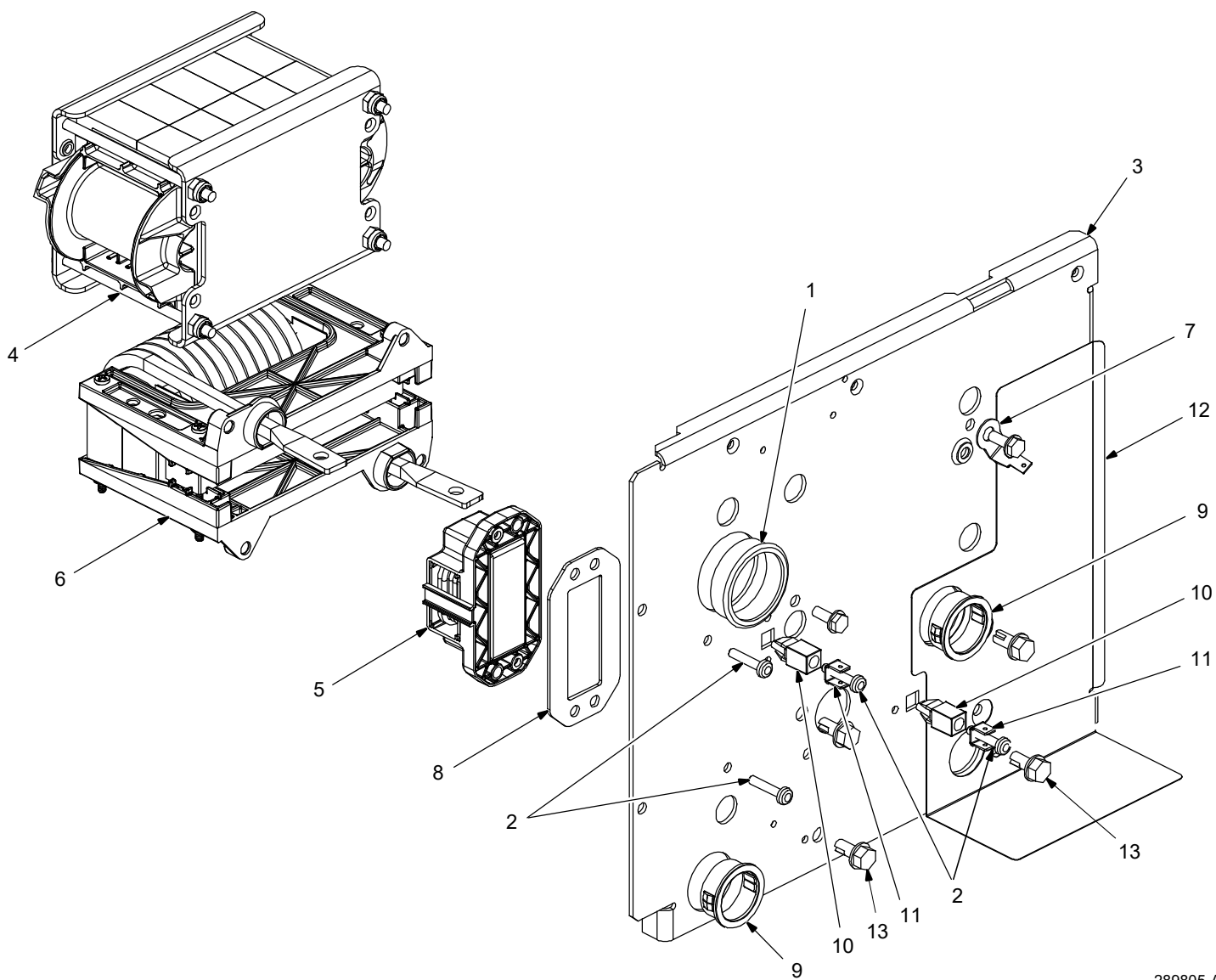
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		213346	Heatsink, Power Module	1
2	RM1	205751	Module, Power Resistor w/Plug	1
3		207451	Screw, 008-32 x .50 Pan Hd-Phl Stl Pld Sems	3
4	RT11	213353	Thermistor, NTC 30K Ohm @ 25 Deg C 8 In Lead	1
5	PC1	296477	Kit, Circuit Card Assembly Primary Interconnect	1
/	PLG101	131054	Housing Rcpt + Skts, (Service Kit)	1
/	PLG2	201665	Housing Plug + Skts (Service Kit)	1
/	PLG400	115093	Housing Plug+Pins (Service Kit)	1
/	PLG6	131056	Housing Plug+Pins (Service Kit)	1
/	PLG71	115094	Housing Plug + Skts, (Service Kit)	1
/	PLG8	279432	Housing Rcpt+Skts, (Service Kit)	1
6		257271	Screw, M5-.8 x 16 Pan Hd-Phl Stl Pld Sems	4

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

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289805-A

Windtunnel, Left Hand with Components

Windtunnel, Left Hand with Components

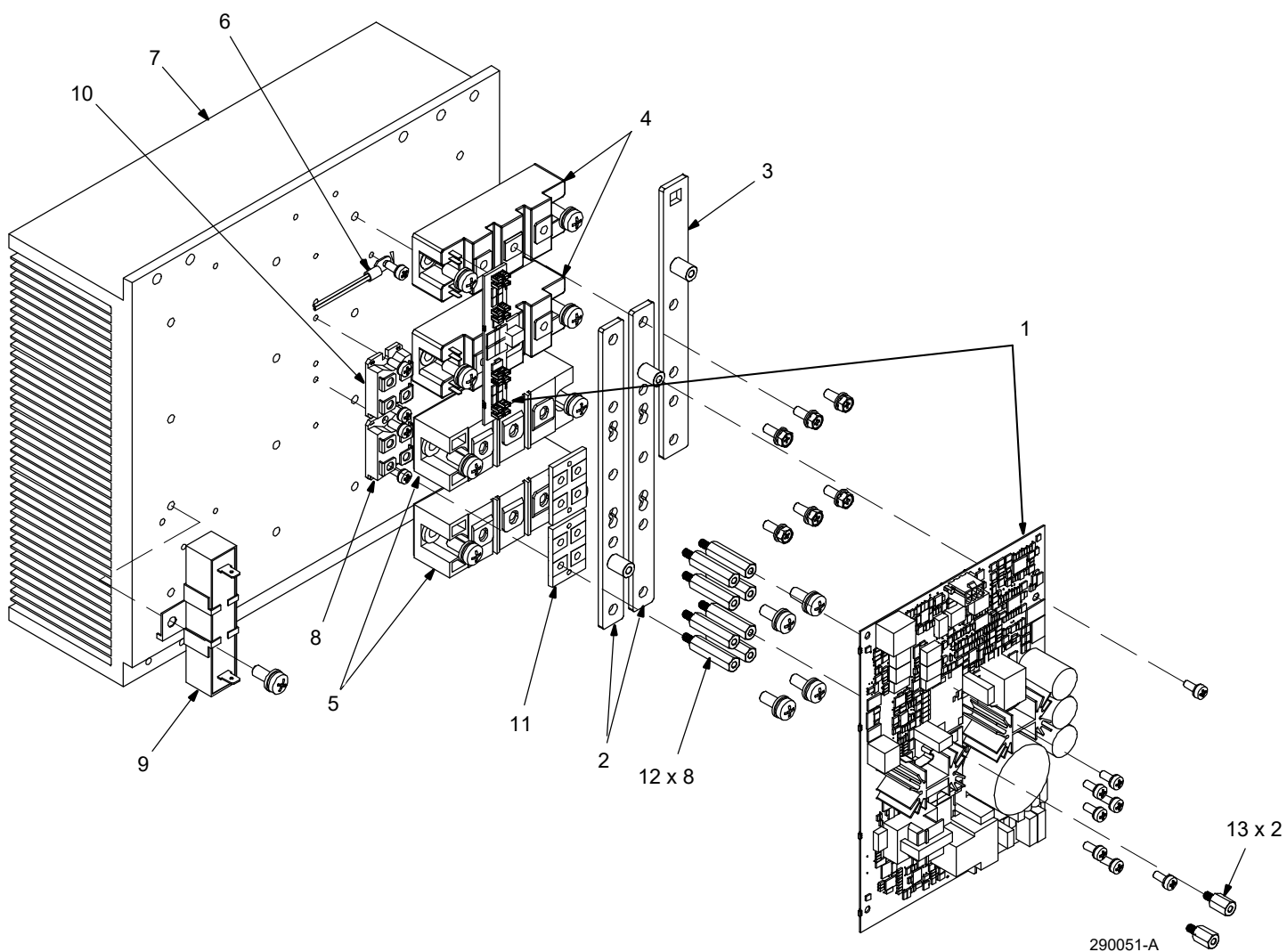
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		170647	Bushing, Snap-In Nyl 1.312 Id x 1.500 Mtg Hole	1
2		207418	Screw, K40 x 12 Pan Hd-Phi Stl Pld Pt Thread Forming	2
3		289804	Panel, Left Windtunnel	1
4	T1	274757	XFMR, Hf Litz/Litz w/Boost	1
5	L22	275390	Coil, Inductor (Boost)	1
6	L21	288918	Inductor, Output	1
7		231208	Connector, Faston 1/4 Ring w/75 Deg Bend	1
8		227746	Gasket, Inductor Mounting	1
9		057357	Bushing, Snap-In Nyl .937 Id x 1.125 Mtg Hole	2
10		083147	Grommet, Scr No 8/10 Panel Hole .312 Sq .500 High	2
11		600760	Term, Frict .250 x .032 Uninsul Male .130 Stud Mtg 1pr	2
12		287694	Insulator, Electrode	1
13		233913	Screw, .250-14 x .50 Hexwhd T-25 T/C SC ZC	4

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290051-A

Heatsink, Secondary Assembly

Heatsink, Secondary Assembly

Item No.	Dia. Mkgs.	Part No.	Description	Qty
1	PC5	281145	Circuit Card Assy, Secondary	1
/	RC331	131054	Housing Rcpt + Skts, (Service Kit)	1
2		284152	Bus Bar, Cop .625 x 7.750 x .125 Thk	2
3		284153	Bus Bar, Cop .750 x 7.000 x .125 Thk	1
4	PM21, PM22	288649	Kit, IGBT	2
5	D21,D22	287896	Kit, Ultra Fast Diode	2
6	RT21	213353	Thermistor, NTC 30K Ohm @ 25 Deg C 8 In Lead	1
7		274755	Heatsink, Power Module	1
8	D23	201530	Kit, Diode Fast Recovery Bridge	1
9	R21	275003	Resistor, WW Fxd 50 W 10 Ohm 5% w/Ter	1
10	PM25	259420	Kit, IGBT	1
11		280831	Spacer, PWB	2
12		274924	Stand-Off, M4 x 0.7 x 30mm Lg 8mm Hex AL M&F	8
13		276732	Stand-Off, M4 x 0.7 x 12mm Lg 8mm AL M&F	2
/	R23	291184	Resistor, Ww 10 W 25K Ohm With Leads+Term (Eff w/NC460322L) (CE) (Not Shown)	1

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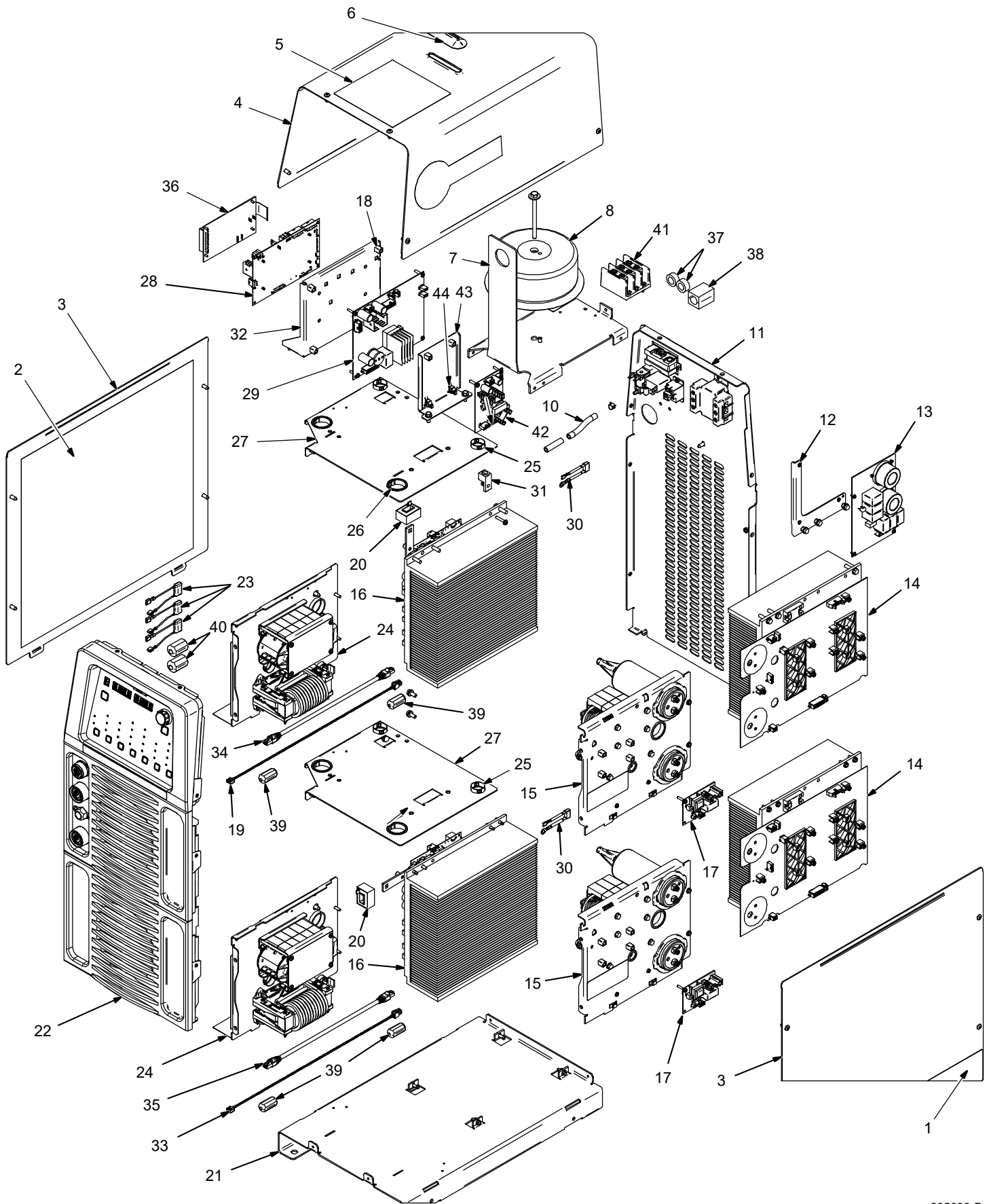
PM- 290047 C

Dynasty 800

Effective with Serial Number
NC150297L - NE210335L



PARTS MANUAL



805639-B

Main Assembly

Main Assembly

Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		275867	Label, Side Maxstar 800	2
1		275868	Label, Side Dynasty 800	2
2		213071	Insulator, Side	2
3		213057	Panel, Side	2
4		+ 213056	Wrapper, Top	1
5		280528	Label, Warning General Precautionary Static (En/Fr/Sp)	1
5		179310	Label, General Precautionary Wordless Intl Small	1
6		213073	Seal, Lift Eye	1
7		213058	Lift Eye	1
8	T3	280906	XFMR, Control Toroidal 665 VAC PRI 660VA 60Hz	1
/		279333	Label, Terminal Block Primary	1
/		155436	Label, Ground/Protective Earth (CE)	1
10		284789	Hose, Polyurethane Black .208 Id x .406 Od x 32 In.	1
11			Rear Panel Assembly	1
12		277569	Bracket, Filter Board (CE)	1
13	PC10	279206	Circuit Card Assy, Filter (CE)	1
14			Heatsink, Primary Assembly	2
15			Wind Tunnel, Right Hand w/Components	2
16			Heatsink, Secondary Assembly	2
17	PC4	247046	Circuit Card Assy, Arc Starter	2
/	PLG70	131204	Housing Plug + Skts, (Service Kit)	1
18		083147	Grommet, Scr No 8/10 Panel Hole .312 Sq .500 High	6
19		275299	Cable Assy, Hall Effect w/Plugs 19.000 In	1
20	HD1, HD2	279328	Transducer, Current 400A/1100A Module Supply V +5V	2
21		213055	Base	1
22			Front Panel Assembly	1
/		215120	Connection Kit, Thread Lock Combination Wet/Dry	1
23	C22,C24,C25,C26	221707	Capacitor Assy (CE)	3
24			Wind Tunnel, Left Hand w/Components	2
25		057357	Bushing, Snap-In Nyl .937 Id x 1.125 Mtg Hole	4
26		170647	Bushing, Snap-In Nyl 1.312 Id x 1.500 Mtg Hole	4
27		274961	Panel, Top Windtunnel	2
28	PC2	291543	Kit, PC Board Process Control	1
28	PC2	294468	Kit, PC Board Process Control (CE) (Eff w/NC460322L)	1
/	PLG1	115093	Housing Plug+Pins (Service Kit)	1
/	PLG40	115094	Housing Plug + Skts, (Service Kit)	1
/	PLG50	201665	Housing Plug + Skts (Service Kit)	1
/	PLG60	131055	Housing Rcpt+Skts, (Service Kit)	1
/	PLG80	131204	Housing Plug + Skts, (Service Kit)	1
/	PLG90	131204	Housing Plug + Skts, (Service Kit)	1
/	PLG100	131056	Housing Plug+Pins (Service Kit)	1
/	PLG140	131056	Housing Plug+Pins (Service Kit)	1
/	PLG200	131056	Housing Plug+Pins (Service Kit)	1

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Main Assembly

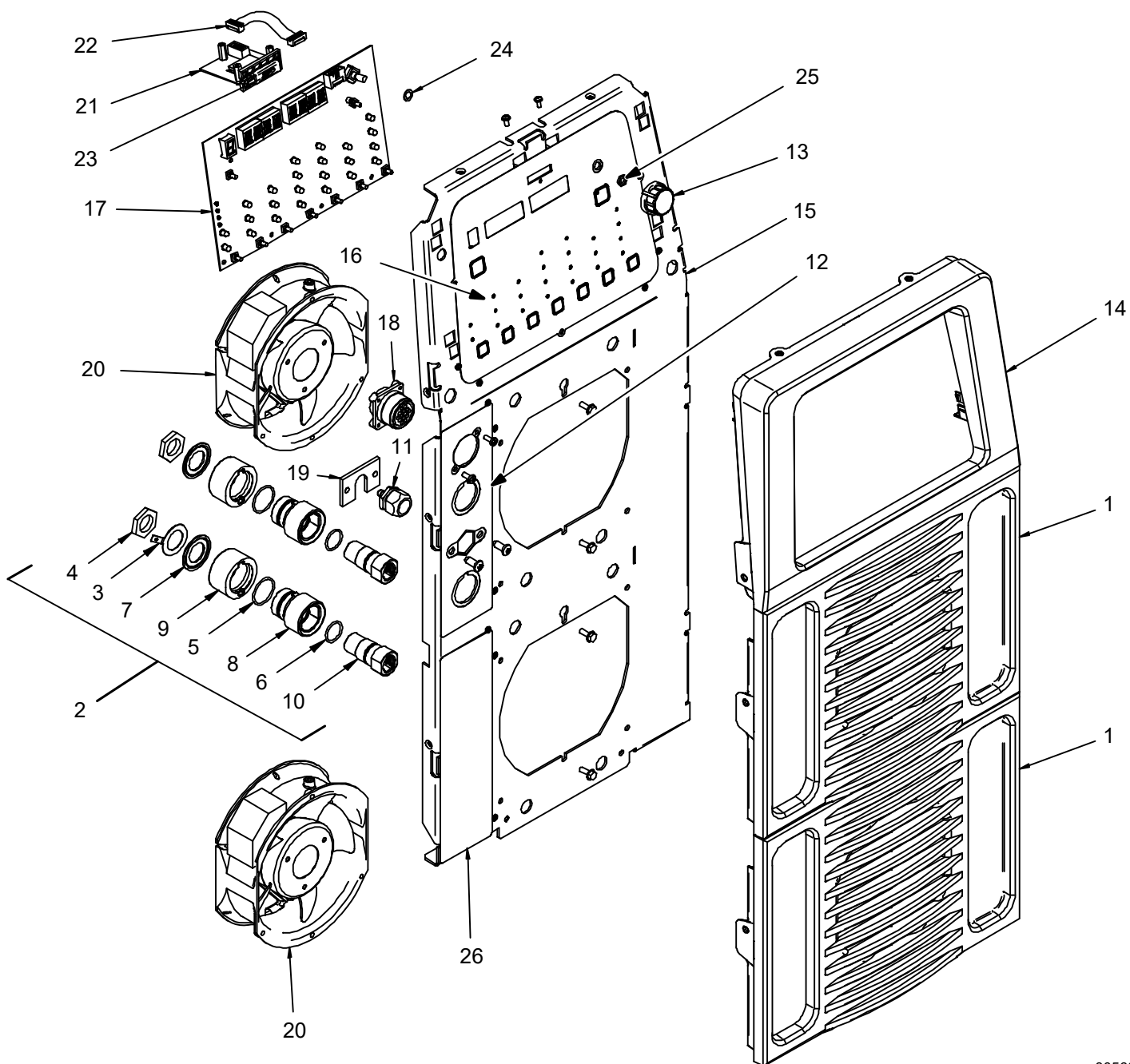
Item No.	Dia. Mkgs.	Part No.	Description	Qty
29	PC7	280555	Circuit Card Assy, Aux Power w/Program	1
/	PLG150	130203	Housing Plug+Pins (Service Kit)	1
/	PLG222	131204	Housing Plug + Skts, (Service Kit)	1
/	PLG3	158719	Housing Rcpt+Skts, (Service Kit)	1
/	PLG4	158719	Housing Rcpt+Skts, (Service Kit)	1
/	PLG5	131054	Housing Rcpt + Skts, (Service Kit)	1
/	PLG7	131052	Housing Rcpt+Skts, (Service Kit)	1
/	PLG9	115091	Housing Plug+Pins (Service Kit)	1
/	PLG10	131054	Housing Rcpt + Skts, (Service Kit)	1
/	PLG11	115093	Housing Plug+Pins (Service Kit)	1
30			Not used on this model	0
31		213248	Lug, Univ w/Screw 2/0-14 Wire 266STD	1
/		235496	Cable Tie, 0.06-2.000 Bundle Dia Tree Style Push Mount Mtg Hole Dia .246-.276 (CE)	1
32		275176	Bracket, Mtg Circuit Card Assy	1
33		276821	Cable Assy, Hall Effect w/Plugs 28 in.	1
34		275127	Cable, Ethernet Cat5E Utp Rj45 12.000 In Lg (BLK)	1
35		276416	Cable, Ethernet Cat5E Utp Rj45 24.000 In Lg (Blue)	1
/		278161	Kit, Automation Interface Connection	1
36	PC13	273436	Circuit Card Assy, Automation	1
/	PLG210	167333	Housing Plug+Skts, (Service Kit)	1
/		278321	Receptacle, w/Leads & Plug 28 Pin	1
/		218715	Conn, Circ Ms/Cpc 28 Pin Size 17 Plug Cable Push-in	1
/		218713	Conn, Circ Ms/Amp Pin Push-in 20-24Ga Solder Cup	28
/		079739	Conn, Circ Cpc Clamp Str Rlf Size 17-20 703od	1
37	L42,L43	268209	Core, Ferrite 25.4mm Od x 15.5mm Id x 12.7mm Lg (CE)	2
38	L40	278026	Core, Ferrite 2590mm Od X 1280mm Id (CE)	1
39	L31,L32,L35, L36,L37,L38	249747	Core, Ferrite Round Cable .201 Id Clamp-On Emi Supp	6
40	L33,L34	265451	Core, Ferrite Round Cable .400 Id Clamp-On Emi Supp	2
41	TE1	198951	Block, Terminal 3 Pole (Non-CE Models Only)	1
/		216880	Cable, Power 10 Ft 8Ga 4C (CE)	1
42	PC77	266586	Circuit Card Assy, Flyback 60w 940V In NC460322L - NE210335L	1
43		292031	Bracket, Mtg Circuit Card Assy NC460322L - NE210335L	1
44		263308	Clip, Mtg Pc Board NC460322L - NE210335L	2
45	R23	291184	Resistor, Ww 10 W 25K Ohm With Leads+Term (Eff/w NC460322L) (CE) (Not Shown)	1

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

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Hardware is common and not available unless listed.

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805605-A

Front Panel Assembly

Front Panel Assembly

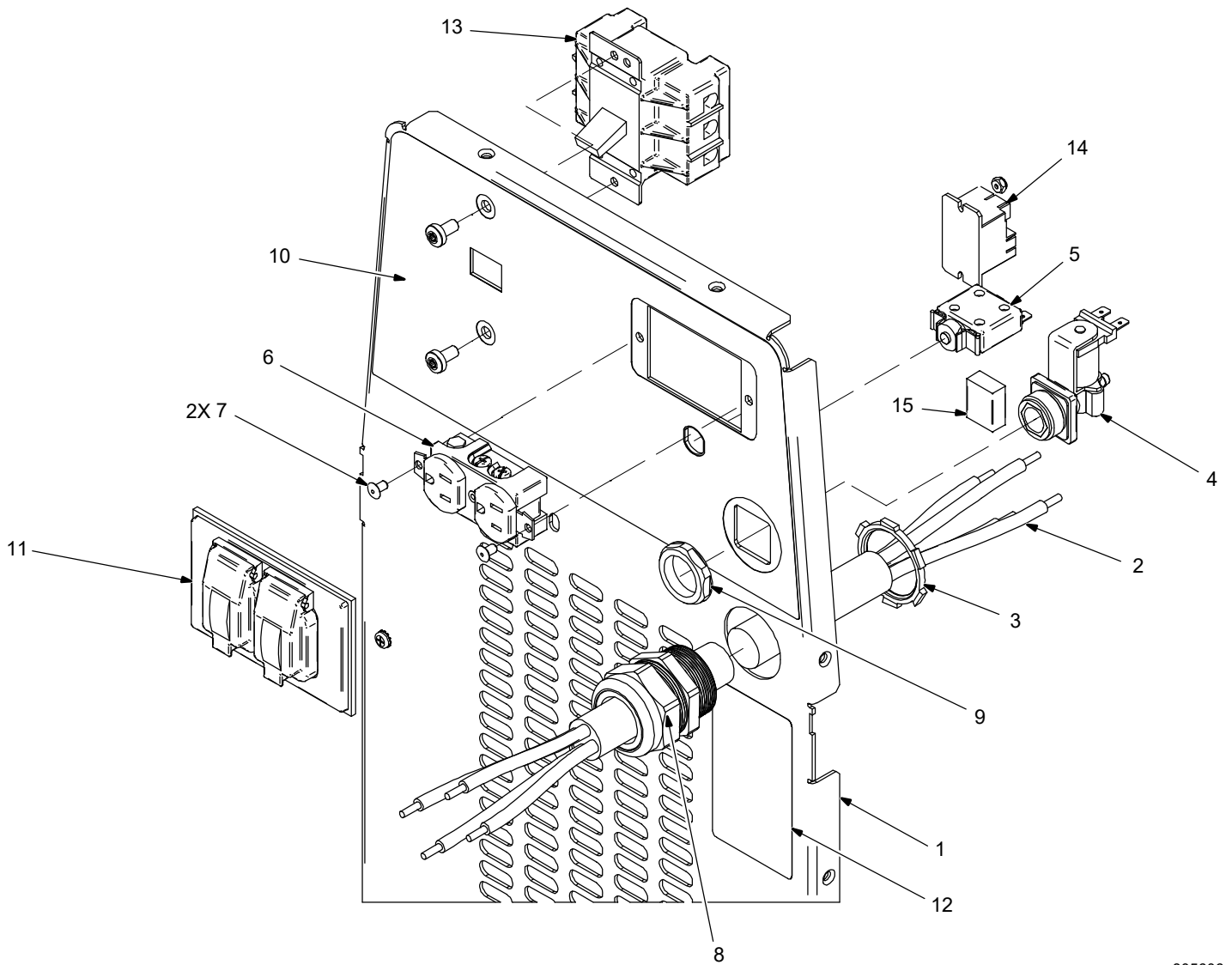
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		213053	Panel, Louver Cover	2
2		279662	Rcpt Assy, Tw Lk Insul Fem (Copper)	2
3		178548	Terminal, Connector Friction	1
4		185717	Nut, M20-15 100Hex 19H Brs Locking	1
5		185718	O-Ring, 0.989 Id x 0.070H	1
6		186228	O-Ring, 0.739 Id x 0.070 H	1
7		229338	Washer, Domed Load .812 Id x 1.450 Od x .070 Thk	1
8		279662	Rcpt Assy, Tw Lk Insul Fem (Copper)	1
9		274935	Insulator, Bulkhead Rear	1
10		276755	Receptacle, Twist Lock Brass Power (Female)	1
11		231279	Fitting, Gas-clip Mount	1
12		233115	Plate, Indicator Front	1
13		228546	Knob, Pointer 1.125 Dia x 6mm Id w/Spring Clip - 45mm Flat	1
14		213051	Panel, Front Top	1
15		273672	Panel, Front	1
16		273670	Nameplate, Dynasty	1
17	PC3	279664	Kit, PC Board User Interface	1
18	RC1	275258	Lead Assy, Process Control To 14 Pin	1
19		230155	Bracket, Valve Mtg	1
20	FMT, FMB	213072	Fan, Muffin 115V 60Hz 3400 Rpm 6.378 Mtg Holes	2
21	PC9	274828	Kit, PC Board SD Card Interface	1
22		254529	Cable, Ribbon 10 Posn 5.000 in Skts To Skts	1
23		254052	Cover, SD Card	1
24		254153	Washer, Flat .281 Id x 0.500 Od x .031T Stl Pld (Between encoder and sheet metal)	1
25		254151	Nut, M07-.75 10mm Hex 2mm H Stl Pld	1
26		216859	Plate, Front Panel	1

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

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805606-A

Rear Panel Assembly

Rear Panel Assembly

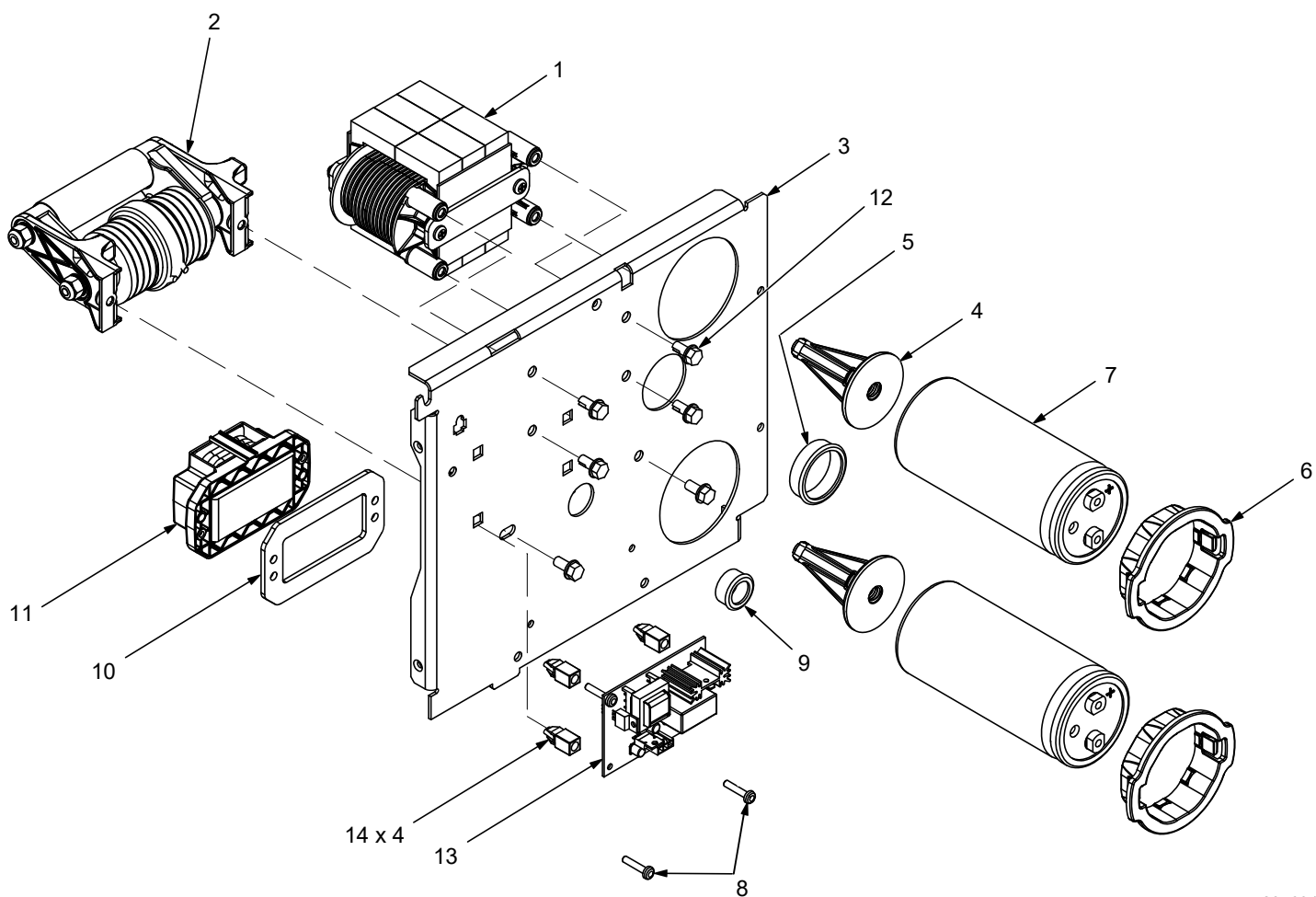
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		+ 275336	Panel, Rear (Order By Stock And Serial Number)	1
2		216880	Cable, Power 10 Ft 8Ga 4C (CE)	1
3		274562	Nut, Conduit 1.250-11.5 Npt Pld 2.062 Od x .17 Thk (CE)	1
4	GS1	238805	Valve, 24 VDC 2Way 125 PSI Custom Port 054 Orf w/Frict (Not in Maxstar STR)	1
5	SP1	202711	Supplementary Protector, Man Reset 1P 7A 250V Fric	1
6	RC2	189033	Rcpt, Str Dx Gnd 2P3W 15A 125V (Gray)	1
7		127013	Rivet, Al .187 Dia x .063-.125 Grip Blk Blind Dome	2
8		263090	Bushing, Strain Relief .490/.785 Id x 1.326 Mtg Hole (CE)	1
9		137761	Nut, 750 Npt 1.31 Hex .27H Nyl Blk	1
10		277568	Nameplate, Ident Rear	1
11		217297	Cover, Receptacle Weatherproof Duplex Rcpt	1
12		279484	Label, Warning Incorrect Connections	1
12		219842	Label, Warning Input Connections/Electric Shock (CE)	1
13	S1	246846	Switch, Tgl Assy	1
/		249816	Switch, Tgl 3 Pst 85A 600 VAC Scr Term Wide Tgl	1
13	S1	244920	Switch, Tgl 3Pst 40A 600VAC Scr Term Wide Tgl (CE)	1
14	CR1	206258	Relay, Encl 24 VDC Spst 30S/24 VDC 4-Pin Flange Mtg	1
15		278019	Gasket, Emi 10mm x 20mm x 25.4mm	1

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

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285634-C

Windtunnel, Right Hand with Components

Windtunnel, Right Hand with Components

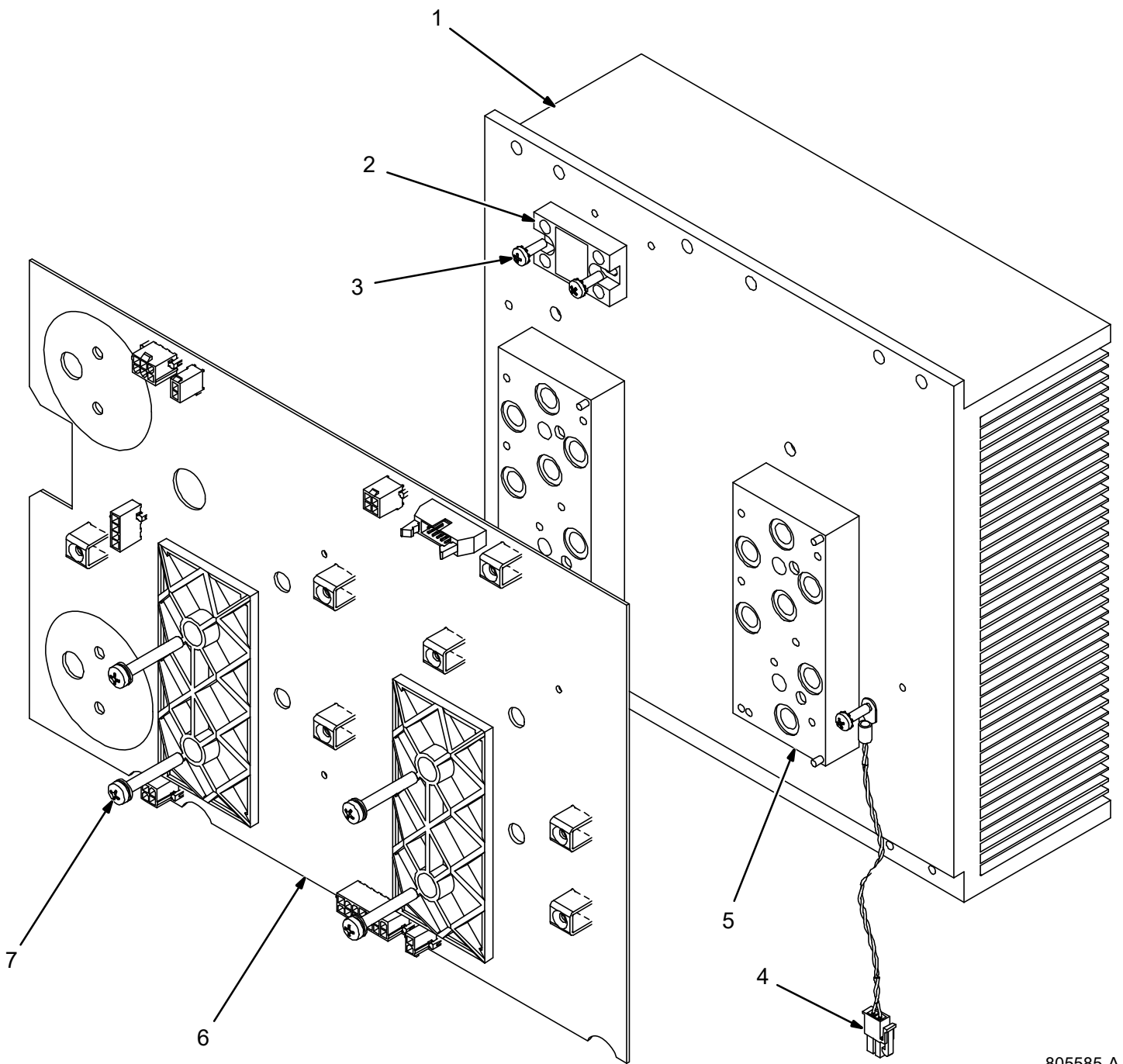
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1	L11	276208	Inductor, Input	1
2	T2	242782	XFMR, HF Coupling	1
3		+ 274959	Panel, Right Windtunnel	1
4		216861	Stand-Off, Capacitor	2
5		170647	Bushing, Snap-In Nyl 1.312 Id x 1.500 Mtg Hole	1
6		216860	Grommet, Capacitor	2
7	C4,C20	245614	Capacitor, Elctlt 1800 UF 500 VDC Can 2.52 Dia	2
8		207418	Screw, K40 x 12 Pan Hd-Phl Stl Pld Pt Thread Forming	2
/		218004	Label, Warning Electric Shock/Exploding Parts (Prior to NC460322L)	1
9		010493	Bushing, Snap-In Nyl .625 Id x .875 Mtg Hole	1
10		218566	Gasket, Inductor Mounting E70 Ferrite Core	1
11	L12	213348	Coil, Inductor (Pre-Regulator)	1
12		233913	Screw, .250-14 x .50 Hexwhd T-25 T/C SC ZC	6
13	PC4	247046	Circuit Card Assy, Arc Starter	1
14		083147	Grommet, Scr No 8/10 Panel Hole .312 Sq .500 High	4

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

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805585-A

Heatsink, Primary Assembly (Eff with NC150297L-ND310105L (Non-CE) and NC150297L-NE210335L (CE))

Heatsink, Primary Assembly (Eff with NC150297L-ND310105L (Non-CE) and NC150297L-NE210335L (CE))

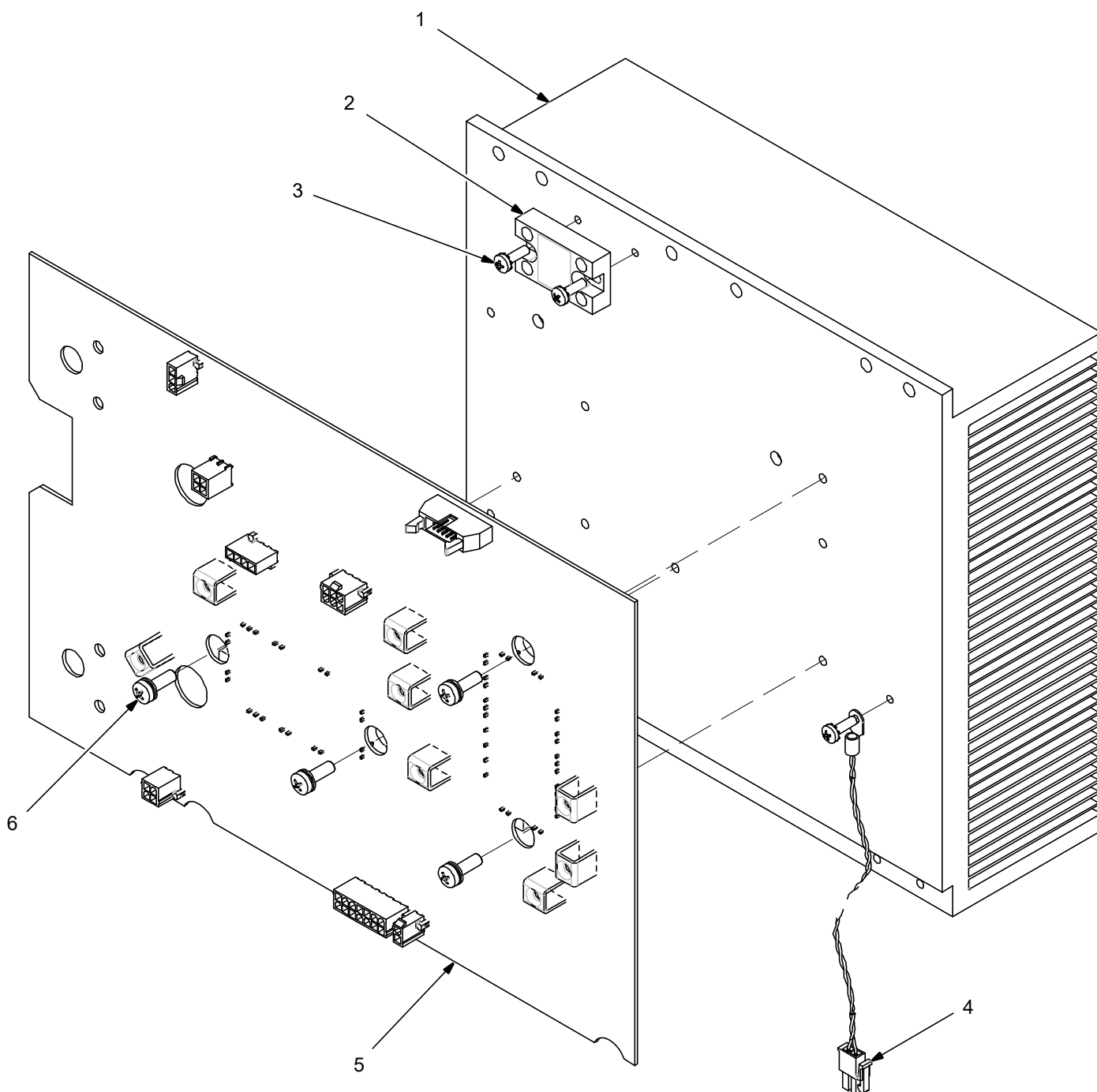
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		213346	Heatsink, Power Module	1
2	RM1	205751	Module, Power Resistor w/Plug	1
3		207451	Screw, 008-32 x .50 Pan Hd-Phl Stl Pld Sems	3
4	RT11	213353	Thermistor, NTC 30K Ohm @ 25 Deg C 8 In Lead	1
5	MOD1,2	261556	Kit, Input/Pre-Regulator And Inverter Module (Includes MOD1, MOD2)	1
6	PC1	287963	Kit, Circuit Card Assy, Power Interconnect	1
/	PLG101	131054	Housing Rcpt + Skts, (Service Kit)	1
/	PLG33	158719	Housing Rcpt+Skts, (Service Kit)	1
/	PLG400	115093	Housing Plug+Pins (Service Kit)	1
/	PLG6	131056	Housing Plug+Pins (Service Kit)	1
/	PLG71	115094	Housing Plug + Skts, (Service Kit)	1
7		229334	Screw, M5 - .8 x 35 Pan Hd-Phl Stl Pld Sems	4

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

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294699-A

Heatsink, Primary Assembly (Eff with ND310106L-NE210335L (Non-CE))

Heatsink, Primary Assembly (Eff with ND310106L-NE210335L (Non-CE))

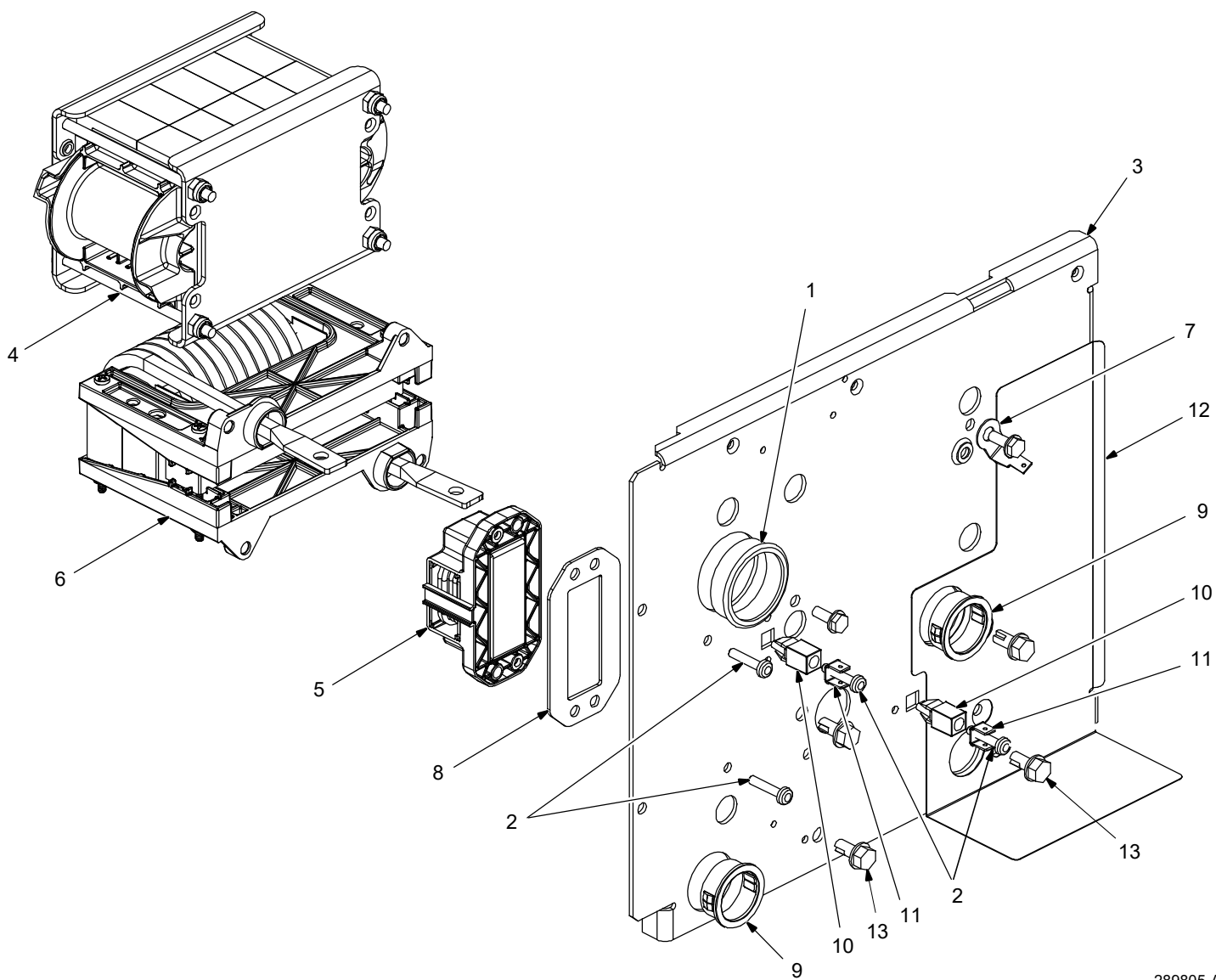
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		213346	Heatsink, Power Module	1
2	RM1	205751	Module, Power Resistor w/Plug	1
3		207451	Screw, 008-32 x .50 Pan Hd-Phl Stl Pld Sems	3
4	RT11	213353	Thermistor, NTC 30K Ohm @ 25 Deg C 8 In Lead	1
5	PC1	296477	Kit, Circuit Card Assembly Primary Interconnect	1
/	PLG101	131054	Housing Rcpt + Skts, (Service Kit)	1
/	PLG2	201665	Housing Plug + Skts (Service Kit)	1
/	PLG400	115093	Housing Plug+Pins (Service Kit)	1
/	PLG6	131056	Housing Plug+Pins (Service Kit)	1
/	PLG71	115094	Housing Plug + Skts, (Service Kit)	1
/	PLG8	279432	Housing Rcpt+Skts, (Service Kit)	1
6		257271	Screw, M5-.8 x 16 Pan Hd-Phl Stl Pld Sems	4

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

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289805-A

Windtunnel, Left Hand with Components

Windtunnel, Left Hand with Components

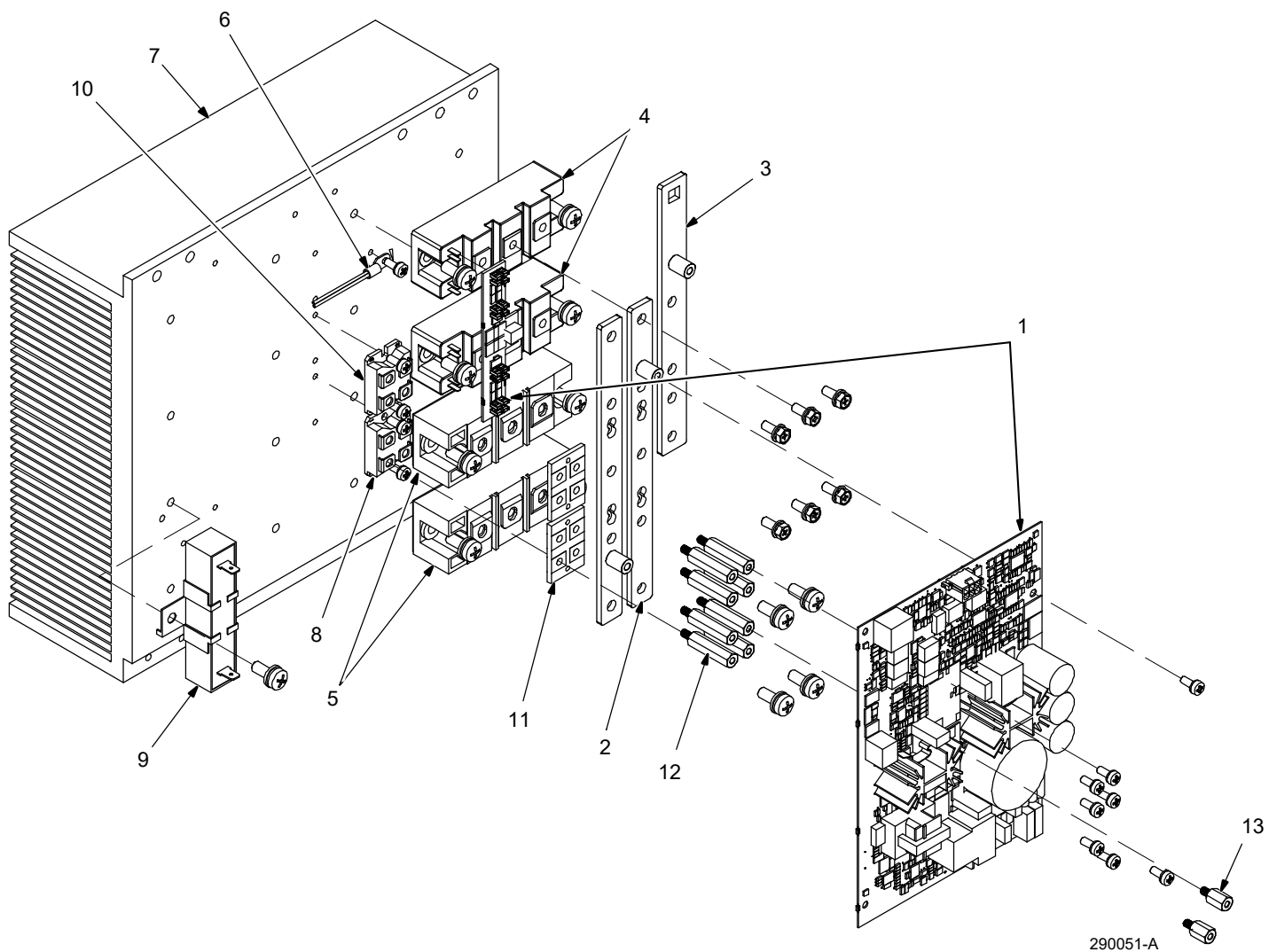
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		170647	Bushing, Snap-In Nyl 1.312 Id x 1.500 Mtg Hole	1
2		207418	Screw, K40 x 12 Pan Hd-Phi Stl Pld Pt Thread Forming	2
3		274960	Panel, Left Windtunnel	1
4	T1	274757	XFMR, Hf Litz/Litz w/Boost	1
5	L22	275390	Coil, Inductor (Boost)	1
6	L21	288918	Inductor, Output	1
7		231208	Connector, Faston 1/4 Ring w/75 Deg Bend	1
8		227746	Gasket, Inductor Mounting	1
9		057357	Bushing, Snap-In Nyl .937 Id x 1.125 Mtg Hole	2
10		083147	Grommet, Scr No 8/10 Panel Hole .312 Sq .500 High	2
11		600760	Term, Frict .250 x .032 Uninsul Male .130 Stud Mtg 1pr	2
12		287694	Insulator, Electrode	1
13		233913	Screw, .250-14 x .50 Hexwhd T-25 T/C SC ZC	4

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Heatsink, Secondary Assembly

Heatsink, Secondary Assembly

Item No.	Dia. Mkgs.	Part No.	Description	Qty
1	PC5	281145	Circuit Card Assy, Secondary	1
/	RC331	131054	Housing Rcpt + Skts, (Service Kit)	1
2		284152	Bus Bar, Cop .625 x 7.750 x .125 Thk	2
3		284153	Bus Bar, Cop .750 x 7.000 x .125 Thk (Upper Instance)	1
3		289912	Bus Bar, Positive (Lower Instance)	1
4	PM21, PM22	288649	Kit, IGBT	2
5	D21,D22	287896	Kit, Ultra Fast Diode	2
6	RT21	213353	Thermistor, NTC 30K Ohm @ 25 Deg C 8 In Lead	1
7		274755	Heatsink, Power Module	1
8	D23	201530	Kit, Diode Fast Recovery Bridge	1
9	R21	275003	Resistor, WW Fxd 50 W 10 Ohm 5% w/Ter	1
10	PM25	259420	Kit, IGBT	1
11		280831	Spacer, PWB	2
12		274924	Stand-Off, M4 x 0.7 x 30mm Lg 8mm Hex AL M&F	8
13		276732	Stand-Off, M4 x 0.7 x 12mm Lg 8mm AL M&F	2
/	R23	291184	Resistor, Ww 10 W 25K Ohm With Leads+Term (Eff w/NC460322L) (CE) (Not Shown)	1

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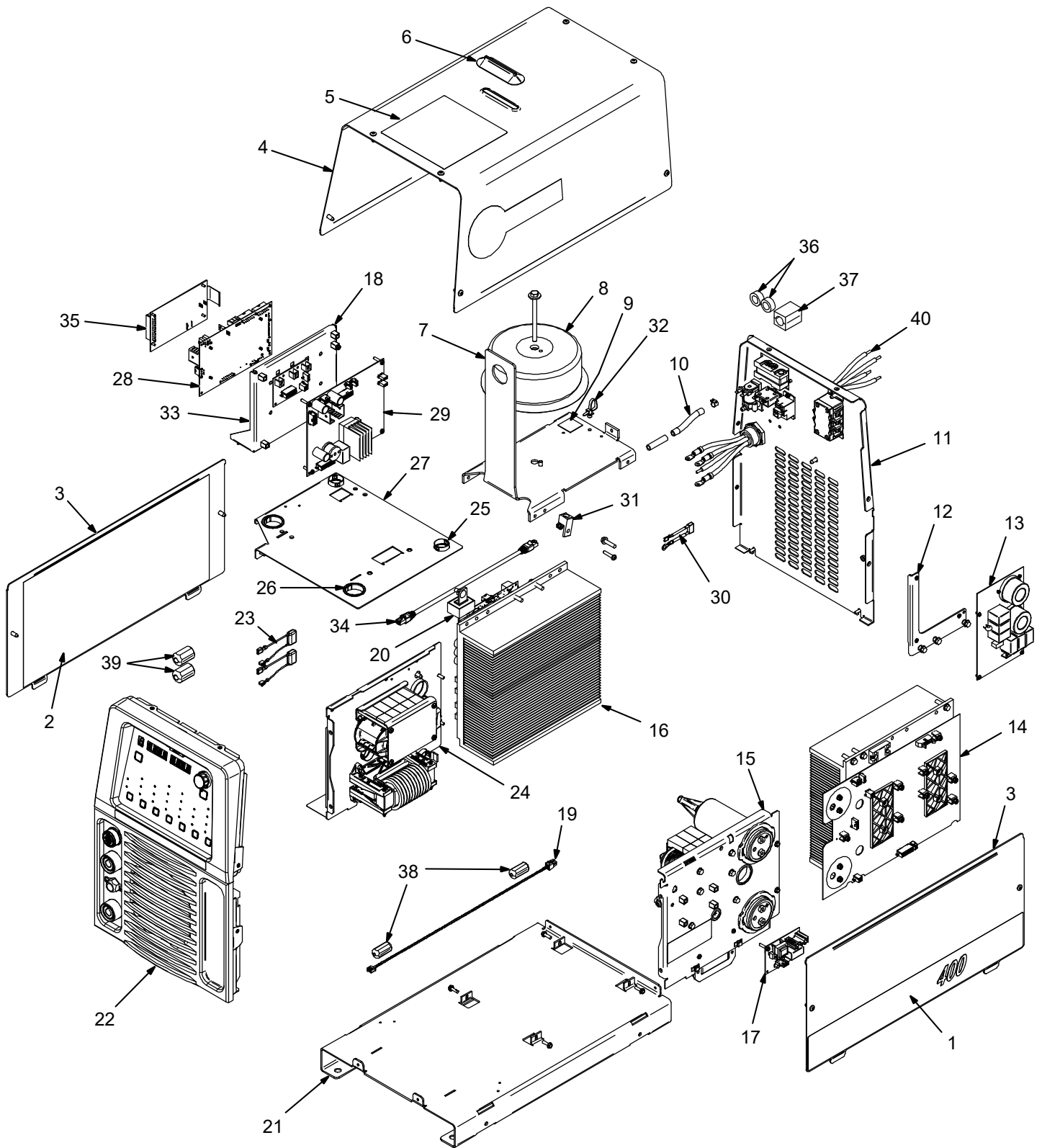
PM- 290047 C

Maxstar 400

Effective with Serial Number
NC150361L - NE210335L



PARTS MANUAL



805638-A

Main Assembly

Main Assembly

Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		275863	Label, Side Maxstar 400	2
2		224516	Insulator, Side	2
3		216878	Panel, Side	2
4		+ 213056	Wrapper, Top	1
5		280528	Label, Warning General Precautionary Static (En/Fr/Sp)	1
5		179310	Label, General Precautionary Wordless Intl Small	1
6		213073	Seal, Lift Eye	1
7		213058	Lift Eye	1
8	T3	280906	XFMR, Control Toroidal 665 VAC PRI 660VA 60Hz	1
9		155436	Label, Ground/Protective Earth	1
10		284789	Hose, Polyurethane Black .208 Id x .406 Od x 32 In.	1
11			Rear Panel Assembly	1
12		277569	Bracket, Filter Board (CE)	1
13	PC10	279206	Circuit Card Assy, Filter (CE)	1
14			Heatsink, Primary Assembly	1
15			Wind Tunnel, Right Hand w/Components	1
16			Heatsink, Secondary Assembly	1
17	PC4	247046	Circuit Card Assy, Arc Starter	1
/	PLG1	131204	Housing Plug + Skts, (Service Kit)	1
18		083147	Grommet, Scr No 8/10 Panel Hole .312 Sq .500 High	8
19		275299	Cable Assy, Hall Effect w/Plugs 19.000 In	1
20	HD1	279328	Transducer, Current 400A/1100A Module Supply V +5V	1
21		213055	Base	1
22			Front Panel Assembly	1
/		224521	Connection Kit, Dinse	1
23	C22,C24	221707	Capacitor Assy	2
24			Wind Tunnel, Left Hand w/Components	1
25		057357	Bushing, Snap-In Nyl .937 Id x 1.125 Mtg Hole	2
26		170647	Bushing, Snap-In Nyl 1.312 Id x 1.500 Mtg Hole	2
27		274961	Panel, Top Windtunnel	1
28	PC2	291543	Kit, PC Board Process Control	1
28	PC2	294468	Kit, PC Board Process Control (CE) (Eff w/NC460322L)	1
/	PLG1	115093	Housing Plug+Pins (Service Kit)	1
/	PLG40	115094	Housing Plug + Skts, (Service Kit)	1
/	PLG60	131055	Housing Rcpt+Skts, (Service Kit)	1
/	PLG80	131204	Housing Plug + Skts, (Service Kit)	1
/	PLG100	131056	Housing Plug+Pins (Service Kit)	1
/	PLG140	131056	Housing Plug+Pins (Service Kit)	1
29	PC7	280555	Circuit Card Assy, Aux Power w/Program	1
/	PLG150	130203	Housing Plug+Pins (Service Kit)	1
/	PLG222	131204	Housing Plug + Skts, (Service Kit)	1
/	PLG4	158719	Housing Rcpt+Skts, (Service Kit)	1
/	PLG7	131052	Housing Rcpt+Skts, (Service Kit)	1

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Main Assembly

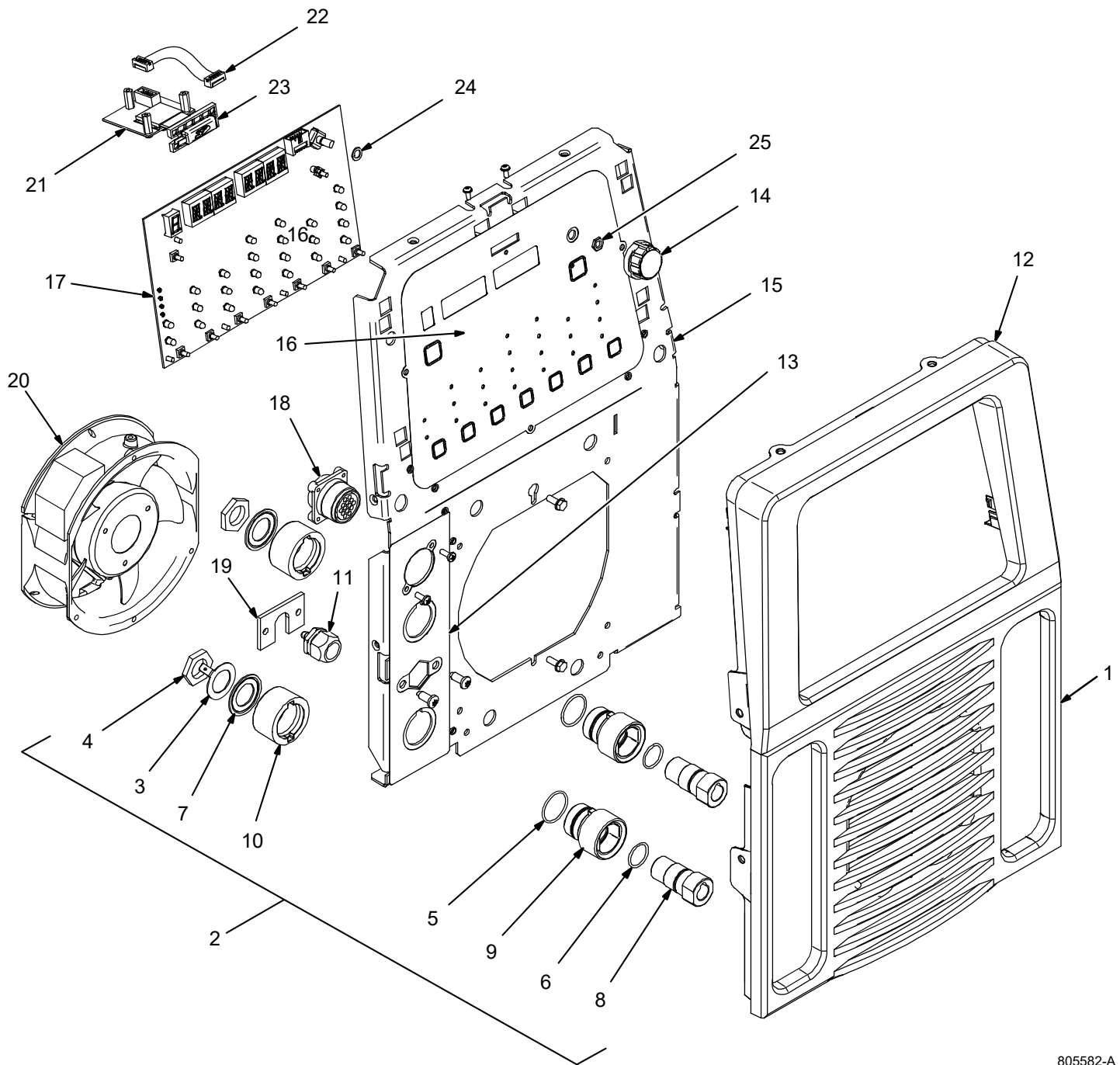
Item No.	Dia. Mkgs.	Part No.	Description	Qty
/	PLG10	131054	Housing Rcpt + Skts, (Service Kit)	1
/	PLG11	115093	Housing Plug+Pins (Service Kit)	1
30	C23	233133	Capacitor Assy (Maxstar CE)	1
31		213248	Lug, Univ w/Screw 2/0-14 Wire 266STD	1
32		235496	Cable Tie, 0.06-2.000 Bundle Dia Tree Style Push Mount Mtg Hole Dia .246-.276 (CE)	1
33		275176	Bracket, Mtg Circuit Card Assy	1
34		275127	Cable, Ethernet Cat5E Utp Rj45 12.000 In Lg (BLK)	1
/		278161	↓ Kit, Automation Interface Connection	1
35	PC13	273436	→ Circuit Card Assy, Automation	1
/		278321	→ Receptacle, w/Leads & Plug 28 Pin	1
/		218715	→ Conn, Circ Ms/Cpc 28 Pin Size 17 Plug Cable Push-in	1
/		218713	→ Conn, Circ Ms/Amp Pin Push-in 20-24Ga Solder Cup	28
/		079739	→ Conn, Circ Cpc Clamp Str Rlf Size 17-20 703od	1
/	PLG210	167333	Housing Plug+Skts, (Service Kit)	1
36	L42,L43	268209	Core, Ferrite 25.4mm Od x 15.5mm Id x 12.7mm Lg (CE)	2
37	L40	278026	Core, Ferrite 2590mm Od X 1280mm Id (CE)	1
38	L31,L32,L37	249747	Core, Ferrite Round Cable .201 Id Clamp-On Emi Supp	3
39	L33,L34	265451	Core, Ferrite Round Cable .400 Id Clamp-On Emi Supp	2
40		216880	Cable, Power 10 Ft 8Ga 4C	1
40		294526	Cable, Power 11 Ft 6 in 4mm2 4c Blk/Brn/Gra/GrnYel (CE)	1

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

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805582-A

Front Panel Assembly

Front Panel Assembly

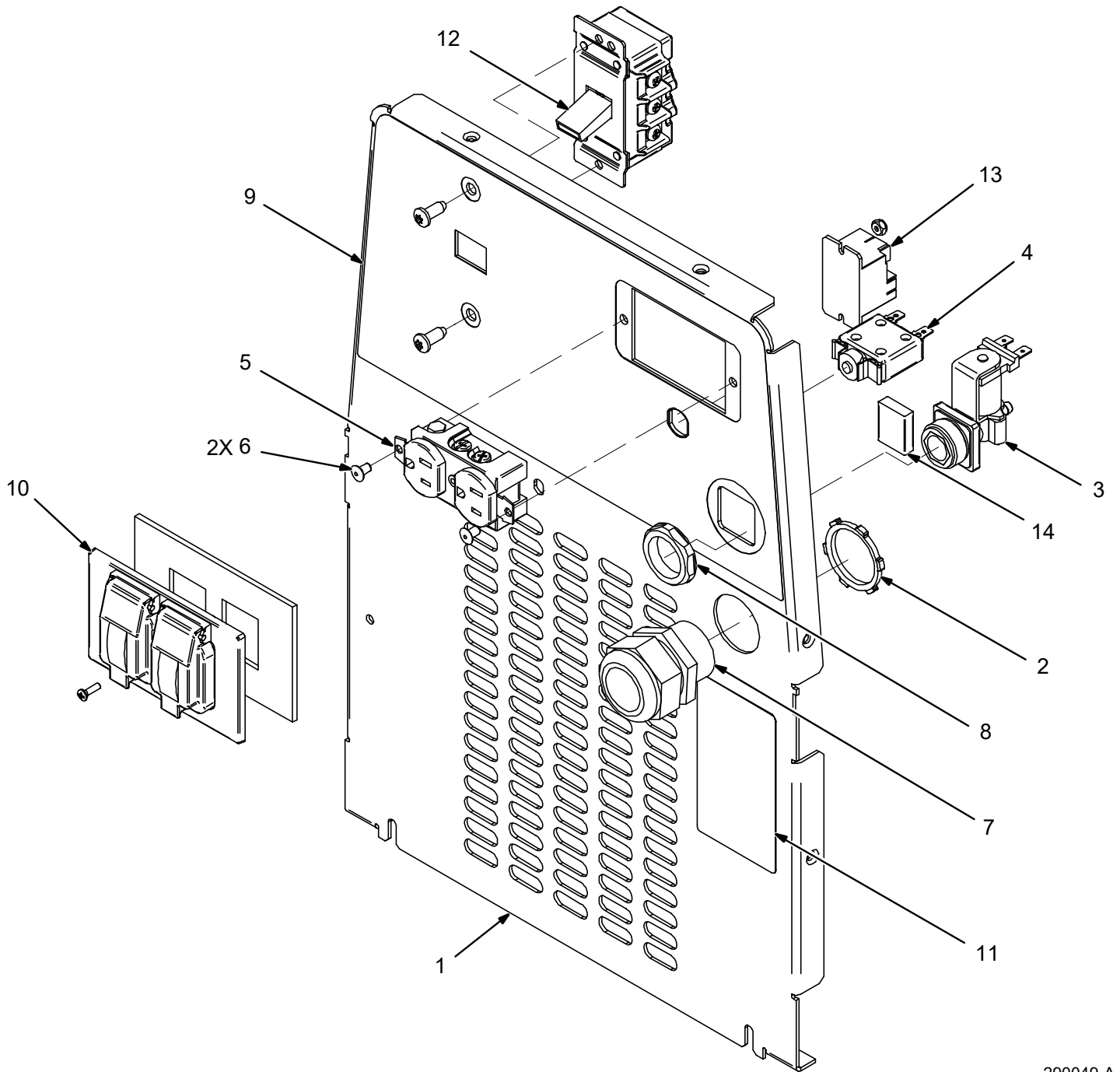
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		213053	Panel, Louver Cover	1
2		279661	Rcpt Assy, Tw Lk Insul Fem (Dinse Type)	2
3		178548	Terminal, Connector Friction	1
4		185717	Nut, M20-15 100Hex 19H Brs Locking	1
5		185718	O-Ring, 0.989 Id x 0.070H	1
6		186228	O-Ring, 0.739 Id x 0.070 H	1
7		229338	Washer, Domed Load .812 Id x 1.450 Od x .070 Thk	1
8		250043	Receptacle, Twist Lock Dinse .890 Od	1
9		274934	Insulator, Bulkhead Front	1
10		274935	Insulator, Bulkhead Rear	1
11		231279	Fitting, Gas-clip Mount	1
12		213051	Panel, Front Top	1
13		233116	Plate, Indicator Front	1
14		228546	Knob, Pointer 1.125 Dia x 6mm Id w/Spring Clip - 45mm Flat	1
15		273669	Panel, Front	1
16		275861	Nameplate, Maxstar	1
17	PC3	279664	Kit, PC Board User Interface	1
18	RC1	275258	Lead Assy, Process Control To 14 Pin	1
19		230155	Bracket, Valve Mtg	1
20	FM	213072	Fan, Muffin 115V 60Hz 3400 Rpm 6.378 Mtg Holes	1
21	PC9	274828	Kit, PC Board SD Card Interface	1
22		254529	Cable, Ribbon 10 Posn 5.000 in Skts To Skts	1
23		254052	Cover, SD Card	1
24		254153	Washer, Flat .281 Id x 0.500 Od x .031T Stl Pld (Between encoder and sheet metal)	1
25		254151	Nut, M07-.75 10mm Hex 2mm H Stl Pld	1

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

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290049-A

Rear Panel Assembly

Rear Panel Assembly

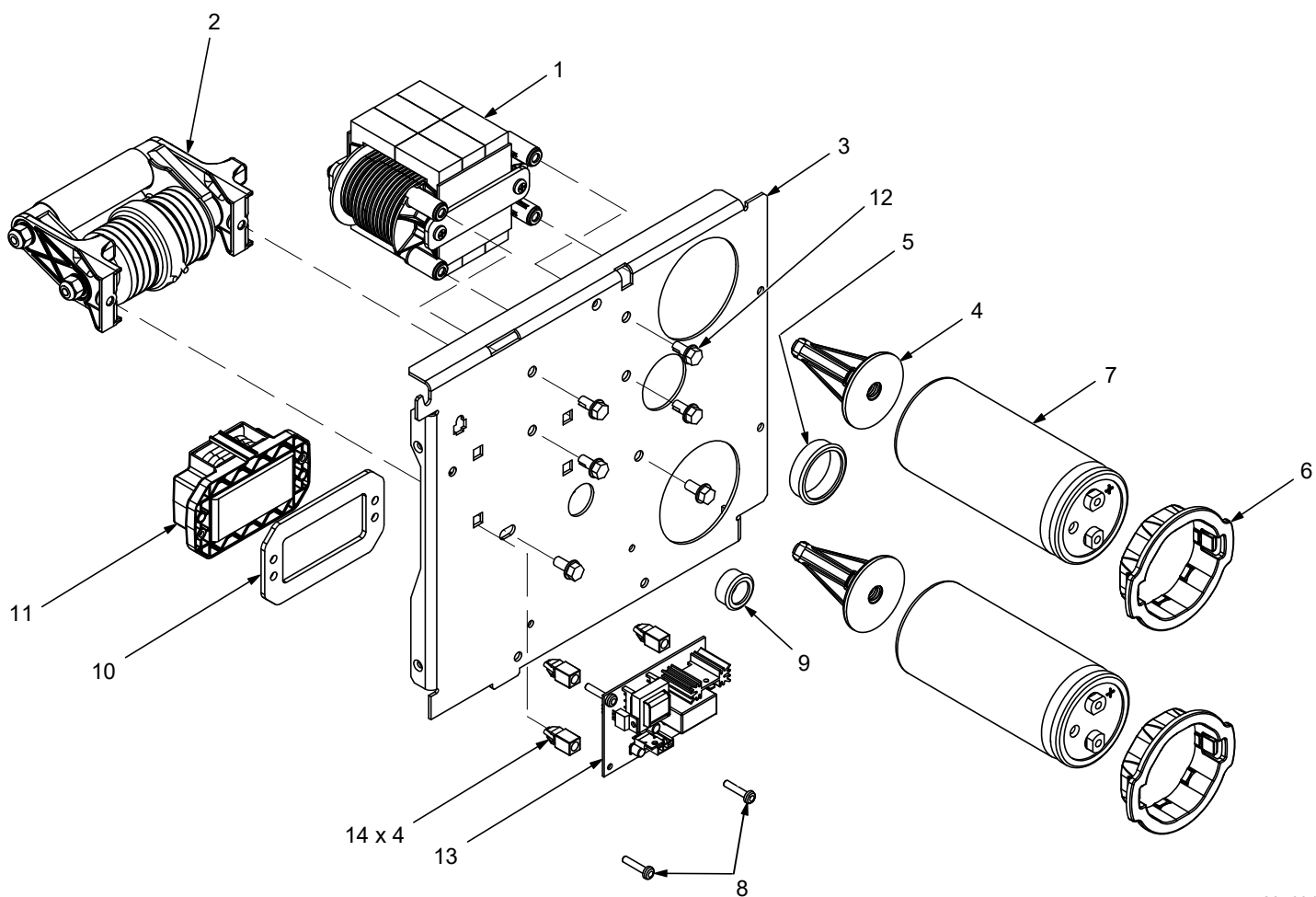
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		+ 273981	Panel, Rear (Order By Stock And Serial Number)	1
2		182445	Nut, Conduit 1.000 Npt Pld 1.688 Od x .200 Thk	1
3	GS1	238805	Valve, 24 VDC 2Way 125 PSI Custom Port 054 Orf w/Frict (Not in Maxstar STR)	1
4	SP1	202711	Supplementary Protector, Man Reset 1P 7A 250V Fric	1
5	RC2	189033	Rcpt, Str Dx Gnd 2P3W 15A 125V (Gray)	1
6		127013	Rivet, Al .187 Dia x .063-.125 Grip Blk Blind Dome	2
7		215980	Bushing, Strain Relief .709/.984 Id x 1.375 Mtg Hole	1
7		255469	Bushing, Strain Relief .490/.785D x 1.326 Mtg Hole (CE)	1
8		137761	Nut, 750 Npt 1.31 Hex .27H Nyl Blk	1
9		277568	Nameplate, Ident Rear	1
10		217297	Cover, Receptacle Weatherproof Duplex Rcpt	1
11		217480	Label, Warning Incorrect Connections	1
11		219842	Label, Warning Input Connections/Electric Shock (CE)	1
12	S1	244920	Switch, Tgl 3Pst 40A 600VAC Scr Term Wide Tgl	1
13	CR1	206258	Relay, Encl 24 VDC Spst 30S/24 VDC 4-Pin Flange Mtg	1
14		278019	Gasket, Emi 10mm x 20mm x 25.4mm	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.



285634-C

Windtunnel, Right Hand with Components

Windtunnel, Right Hand with Components

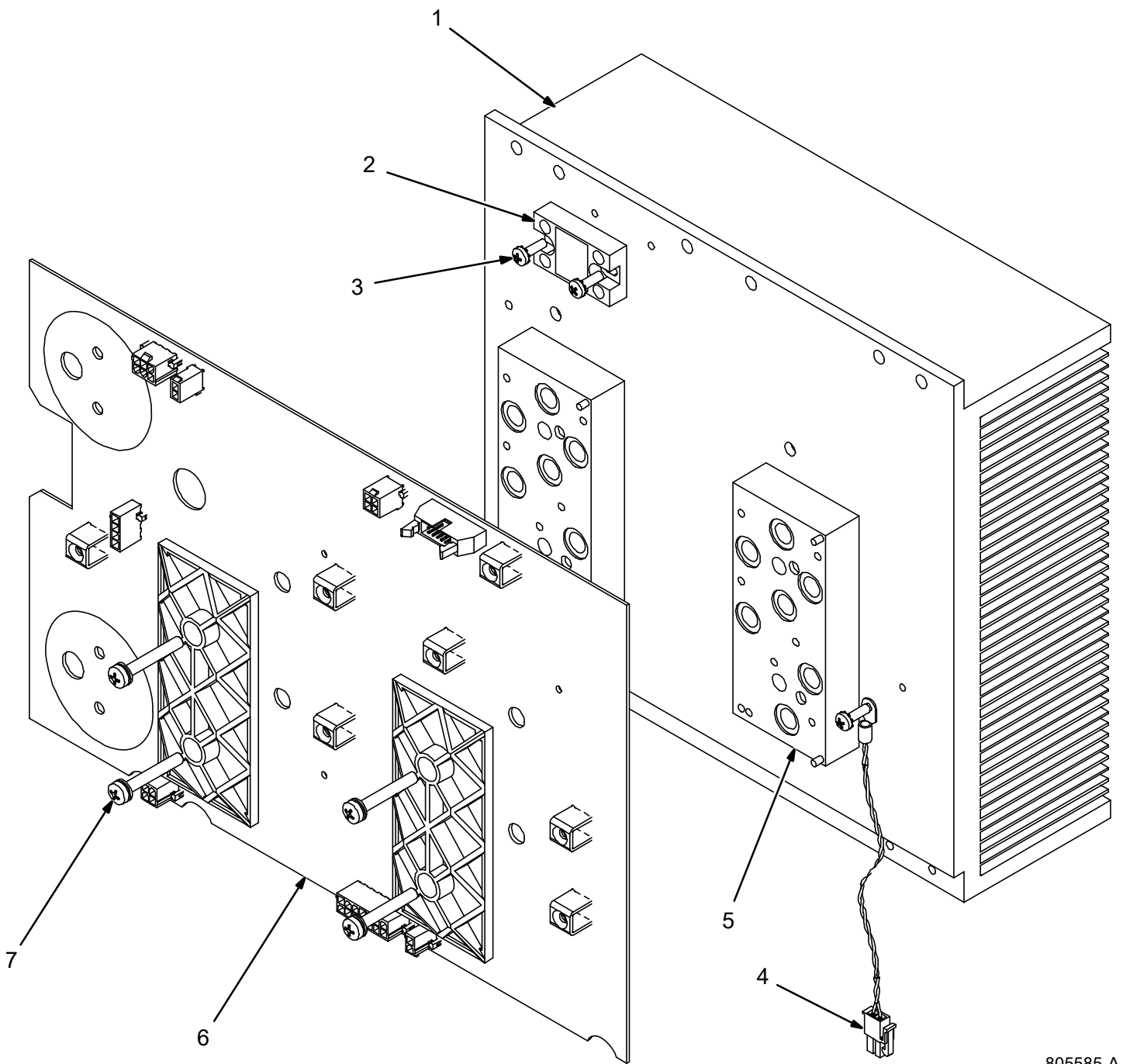
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1	L11	276208	Inductor, Input	1
2	T2	242782	XFMR, HF Coupling	1
3		+ 274959	Panel, Right Windtunnel	1
4		216861	Stand-Off, Capacitor	2
5		170647	Bushing, Snap-In Nyl 1.312 Id x 1.500 Mtg Hole	1
6		216860	Grommet, Capacitor	2
7	C4,C20	245614	Capacitor, Elctlt 1800 UF 500 VDC Can 2.52 Dia	2
8		207418	Screw, K40 x 12 Pan Hd-Phl Stl Pld Pt Thread Forming	2
/		218004	Label, Warning Electric Shock/Exploding Parts (Prior to NC460322L)	1
9		010493	Bushing, Snap-In Nyl .625 Id x .875 Mtg Hole	1
10		218566	Gasket, Inductor Mounting E70 Ferrite Core	1
11	L12	213348	Coil, Inductor (Pre-Regulator)	1
12		233913	Screw, .250-14 x .50 Hexwhd T-25 T/C SC ZC	6
13	PC4	247046	Circuit Card Assy, Arc Starter	1
14		083147	Grommet, Scr No 8/10 Panel Hole .312 Sq .500 High	4

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

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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.



805585-A

Heatsink, Primary Assembly (Eff with NC150799L-ND310105L (Non-CE) and NC150799L-NE210335L (CE))

Heatsink, Primary Assembly (Eff with NC150799L-ND310105L (Non-CE) and NC150799L-NE210335L (CE))

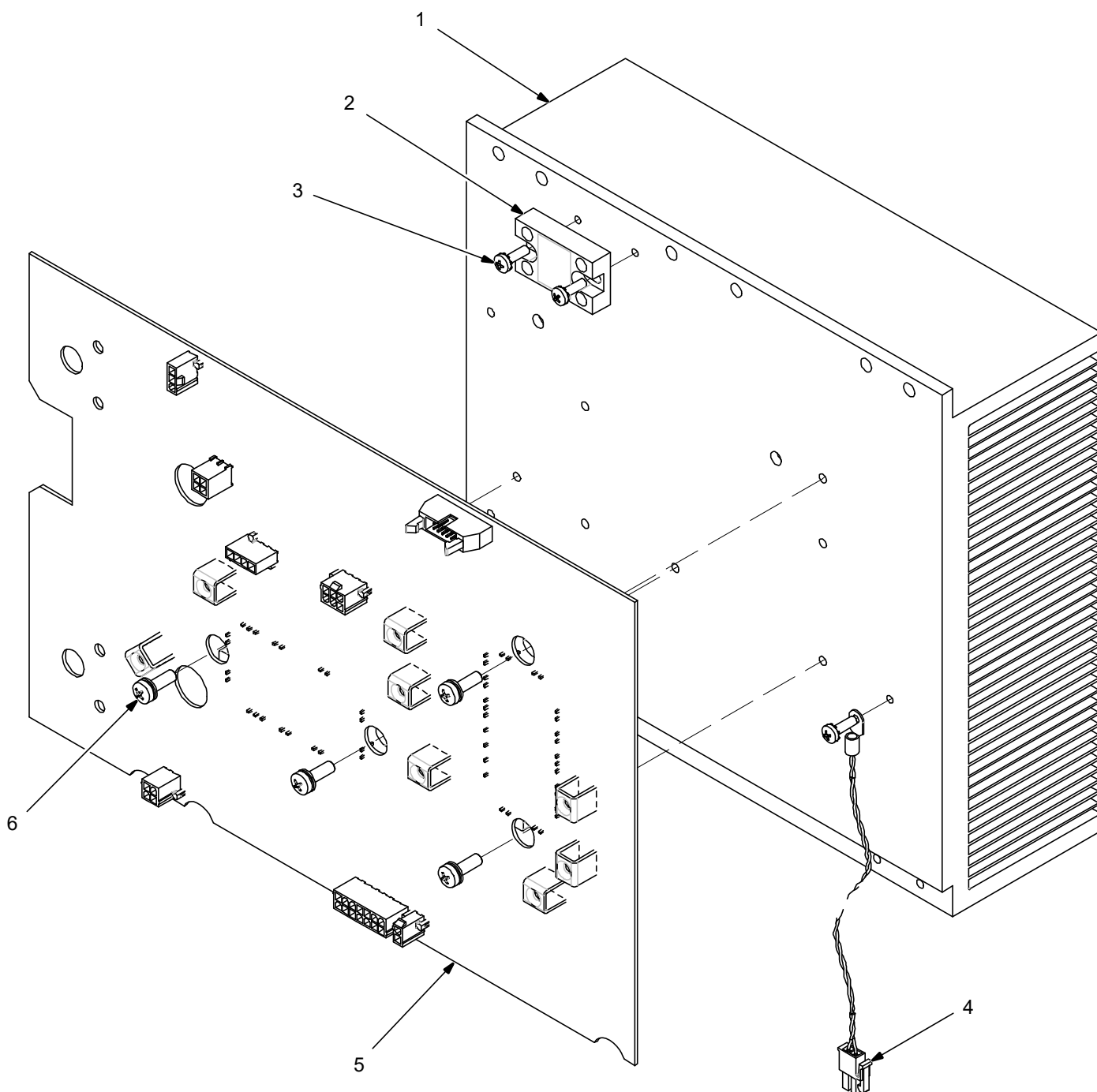
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		213346	Heatsink, Power Module	1
2	RM1	205751	Module, Power Resistor w/Plug	1
3		207451	Screw, 008-32 x .50 Pan Hd-Phl Stl Pld Sems	3
4	RT11	213353	Thermistor, NTC 30K Ohm @ 25 Deg C 8 In Lead	1
5	MOD1,2	261556	Kit, Input/Pre-Regulator And Inverter Module (Includes MOD1, MOD2)	1
6	PC1	287963	Kit, Circuit Card Assy, Power Interconnect	1
/	PLG101	131054	Housing Rcpt + Skts, (Service Kit)	1
/	PLG2	201665	Housing Plug + Skts (Service Kit)	1
/	PLG400	115093	Housing Plug+Pins (Service Kit)	1
/	PLG6	131056	Housing Plug+Pins (Service Kit)	1
/	PLG71	115094	Housing Plug + Skts, (Service Kit)	1
/	PLG8	279432	Housing Rcpt+Skts, (Service Kit)	1
7		229334	Screw, M5 - .8 x 35 Pan Hd-Phl Stl Pld Sems	4

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

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294699-A

Heatsink, Primary Assembly (Eff with ND310106L-NE210335L (Non-CE))

Heatsink, Primary Assembly (Eff with ND310106L-NE210335L (Non-CE))

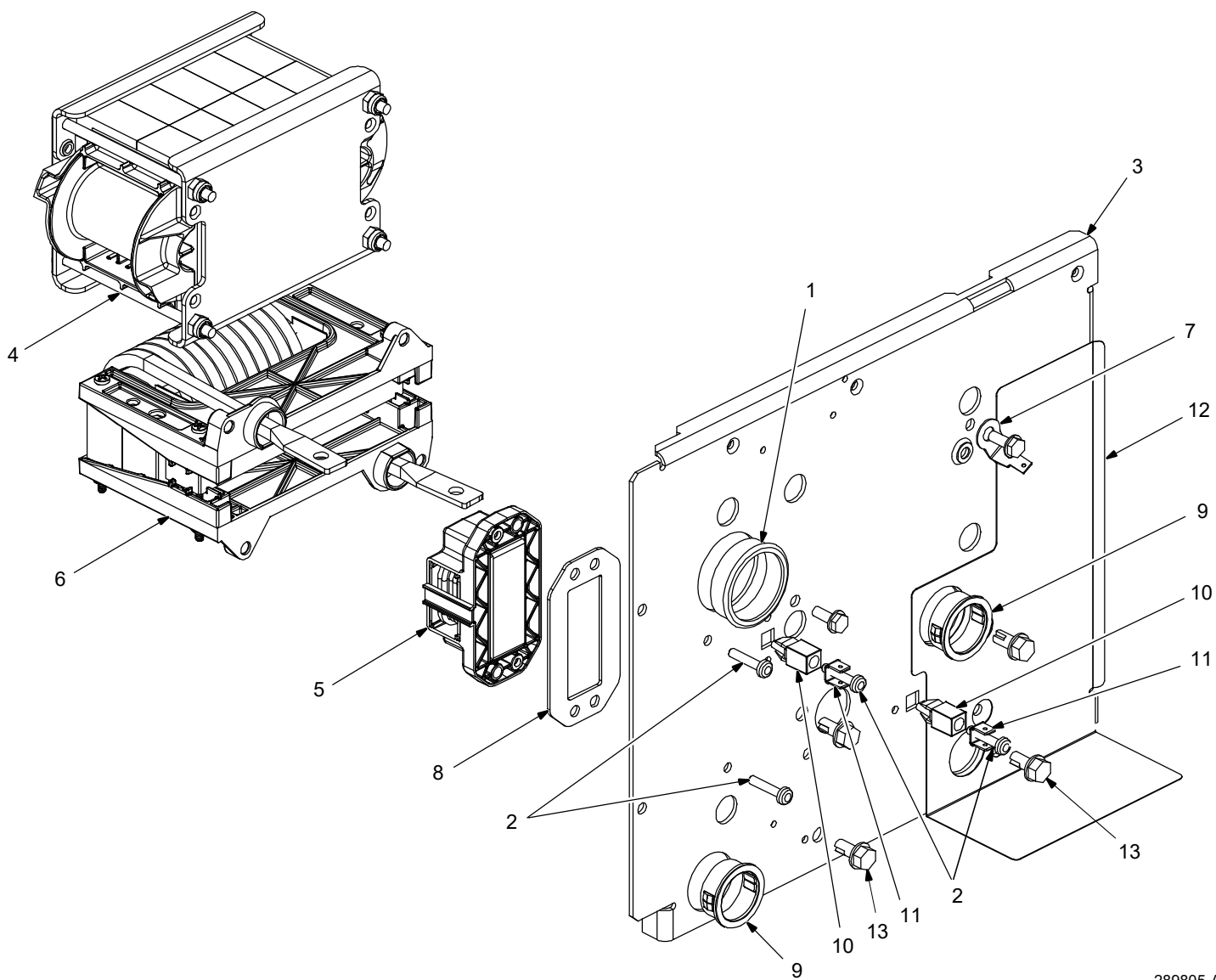
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		213346	Heatsink, Power Module	1
2	RM1	205751	Module, Power Resistor w/Plug	1
3		207451	Screw, 008-32 x .50 Pan Hd-Phl Stl Pld Sems	3
4	RT11	213353	Thermistor, NTC 30K Ohm @ 25 Deg C 8 In Lead	1
5	PC1	296477	Kit, Circuit Card Assembly Primary Interconnect	1
/	PLG101	131054	Housing Rcpt + Skts, (Service Kit)	1
/	PLG2	201665	Housing Plug + Skts (Service Kit)	1
/	PLG400	115093	Housing Plug+Pins (Service Kit)	1
/	PLG6	131056	Housing Plug+Pins (Service Kit)	1
/	PLG71	115094	Housing Plug + Skts, (Service Kit)	1
/	PLG8	279432	Housing Rcpt+Skts, (Service Kit)	1
6		257271	Screw, M5-.8 x 16 Pan Hd-Phl Stl Pld Sems	4

*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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289805-A

Windtunnel, Left Hand with Components

Windtunnel, Left Hand with Components

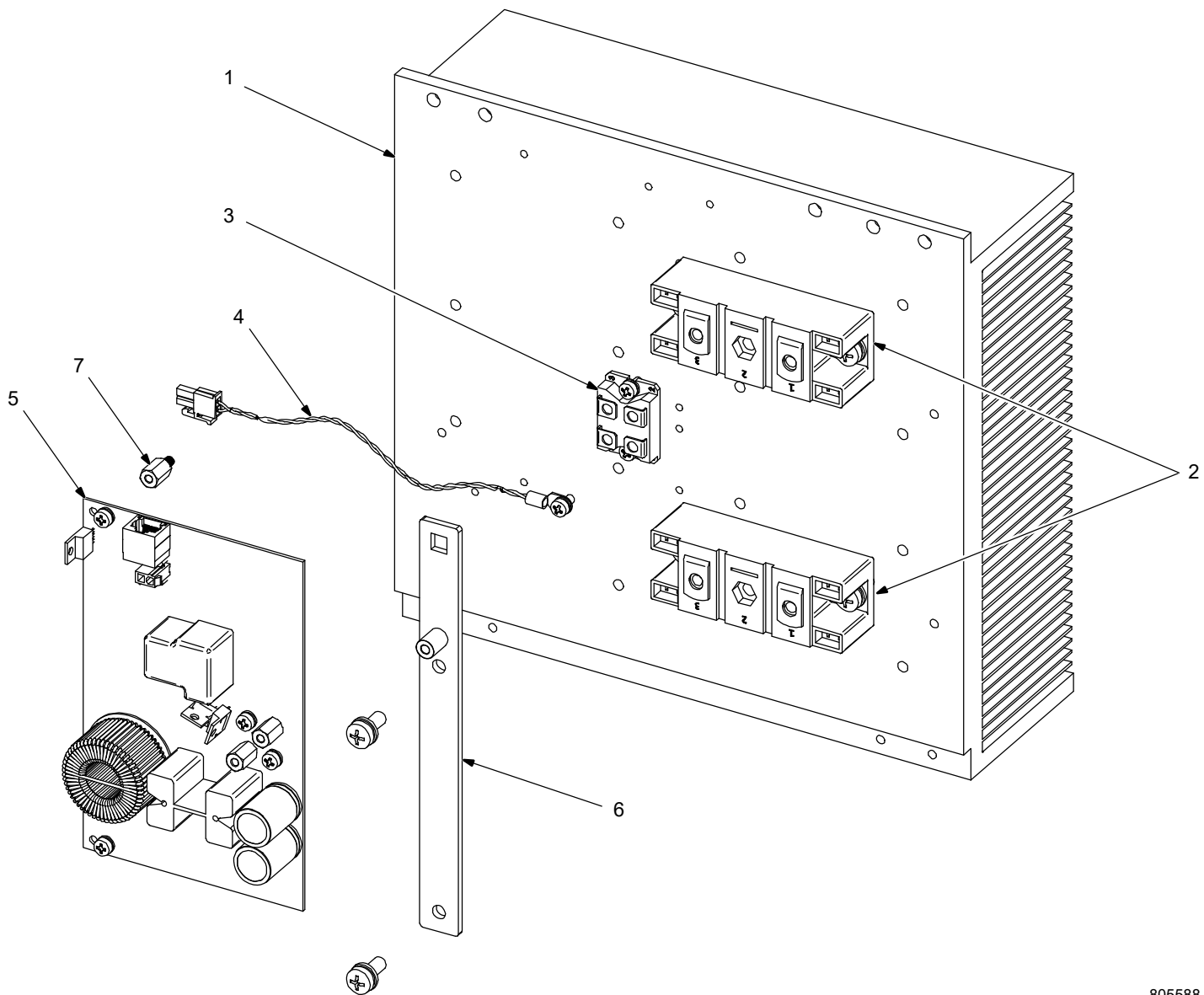
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		170647	Bushing, Snap-In Nyl 1.312 Id x 1.500 Mtg Hole	1
2		207418	Screw, K40 x 12 Pan Hd-Phi Stl Pld Pt Thread Forming	2
3		289804	Panel, Left Windtunnel	1
4	T1	274757	XFMR, Hf Litz/Litz w/Boost	1
5	L22	275390	Coil, Inductor (Boost)	1
6	L21	288918	Inductor, Output	1
7		231208	Connector, Faston 1/4 Ring w/75 Deg Bend	1
8		227746	Gasket, Inductor Mounting	1
9		057357	Bushing, Snap-In Nyl .937 Id x 1.125 Mtg Hole	2
10		083147	Grommet, Scr No 8/10 Panel Hole .312 Sq .500 High	2
11		600760	Term, Frict .250 x .032 Uninsul Male .130 Stud Mtg 1pr	2
12		287694	Insulator, Electrode	1
13		233913	Screw, .250-14 x .50 Hexwhd T-25 T/C SC ZC	4

*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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805588-D

Heatsink, Secondary Assembly

Heatsink, Secondary Assembly

Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		274755	Heatsink, Power Module	1
2	D21, D22	213521	Kit, Ultra Fast Diode	2
3	D23	201530	Kit, Diode Fast Recovery Bridge	1
4	RT21	213353	Thermistor, NTC 30K Ohm @ 25 Deg C 8 In Lead	1
5	PC5	275540	Circuit Card Assy, Secondary	1
/	RC331	131054	Housing Rcpt + Skts, (Service Kit)	1
6		291036	Bus Bar, Cop 750 x 7875 x 125 Thk	1
7		276732	Stand-Off, M4 x 0.7 x 12mm Lg 8mm AL M&F	3

*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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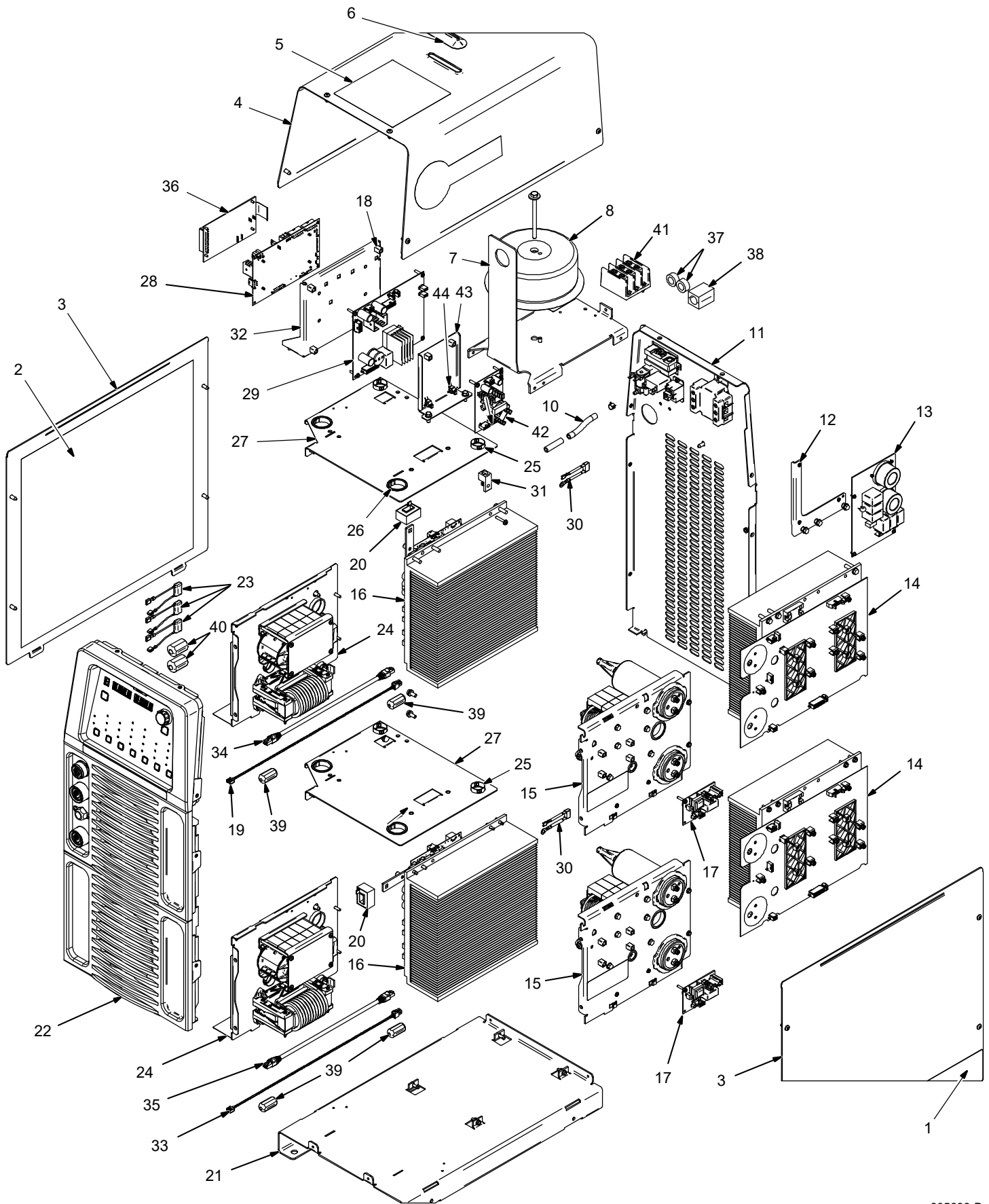
PM- 290047 C

Maxstar 800

Effective with Serial Number
NC150361L - NE210335L



PARTS MANUAL



805639-B

Main Assembly

Main Assembly

Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		275867	Label, Side Maxstar 800	2
2		213071	Insulator, Side	2
3		213057	Panel, Side	2
4		+ 213056	Wrapper, Top	1
5		280528	Label, Warning General Precautionary Static (En/Fr/Sp)	1
5		179310	Label, General Precautionary Wordless Intl Small	1
6		213073	Seal, Lift Eye	1
7		213058	Lift Eye	1
8	T3	280906	XFMR, Control Toroidal 665 VAC PRI 660VA 60Hz	1
/		279333	Label, Terminal Block Primary	1
/		155436	Label, Ground/Protective Earth (CE)	1
10		284789	Hose, Polyurethane Black .208 Id x .406 Od x 32 In.	1
11			Rear Panel Assembly	1
12		277569	Bracket, Filter Board (CE)	1
13	PC10	279206	Circuit Card Assy, Filter (CE)	1
14			Heatsink, Primary Assembly	1
15			Wind Tunnel, Right Hand w/Components	2
16			Heatsink, Secondary Assembly	2
17	PC4	247046	Circuit Card Assy, Arc Starter	2
/	PLG70	131204	Housing Plug + Skts, (Service Kit)	1
18		083147	Grommet, Scr No 8/10 Panel Hole .312 Sq .500 High	6
19		275299	Cable Assy, Hall Effect w/Plugs 19.000 In	1
20	HD1, HD2	279328	Transducer, Current 400A/1100A Module Supply V +5V	2
21		213055	Base	1
22			Front Panel Assembly	1
/		215120	Connection Kit, Thread Lock Combination Wet/Dry	1
23	C22,C24,C25,C26	221707	Capacitor Assy (CE)	3
24			Wind Tunnel, Left Hand w/Components	2
25		057357	Bushing, Snap-In Nyl .937 Id x 1.125 Mtg Hole	4
26		170647	Bushing, Snap-In Nyl 1.312 Id x 1.500 Mtg Hole	4
27		274961	Panel, Top Windtunnel	2
28	PC2	291543	Kit, PC Board Process Control	1
28	PC2	294468	Kit, PC Board Process Control (CE) NC460322L - NE210335L	1
/	PLG1	115093	Housing Plug+Pins (Service Kit)	1
/	PLG40	115094	Housing Plug + Skts, (Service Kit)	1
/	PLG50	201665	Housing Plug + Skts (Service Kit)	1
/	PLG60	131055	Housing Rcpt+Skts, (Service Kit)	1
/	PLG80	131204	Housing Plug + Skts, (Service Kit)	1
/	PLG90	131204	Housing Plug + Skts, (Service Kit)	1
/	PLG100	131056	Housing Plug+Pins (Service Kit)	1
/	PLG140	131056	Housing Plug+Pins (Service Kit)	1
/	PLG200	131056	Housing Plug+Pins (Service Kit)	1
29	PC7	280555	Circuit Card Assy, Aux Power w/Program	1

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Main Assembly

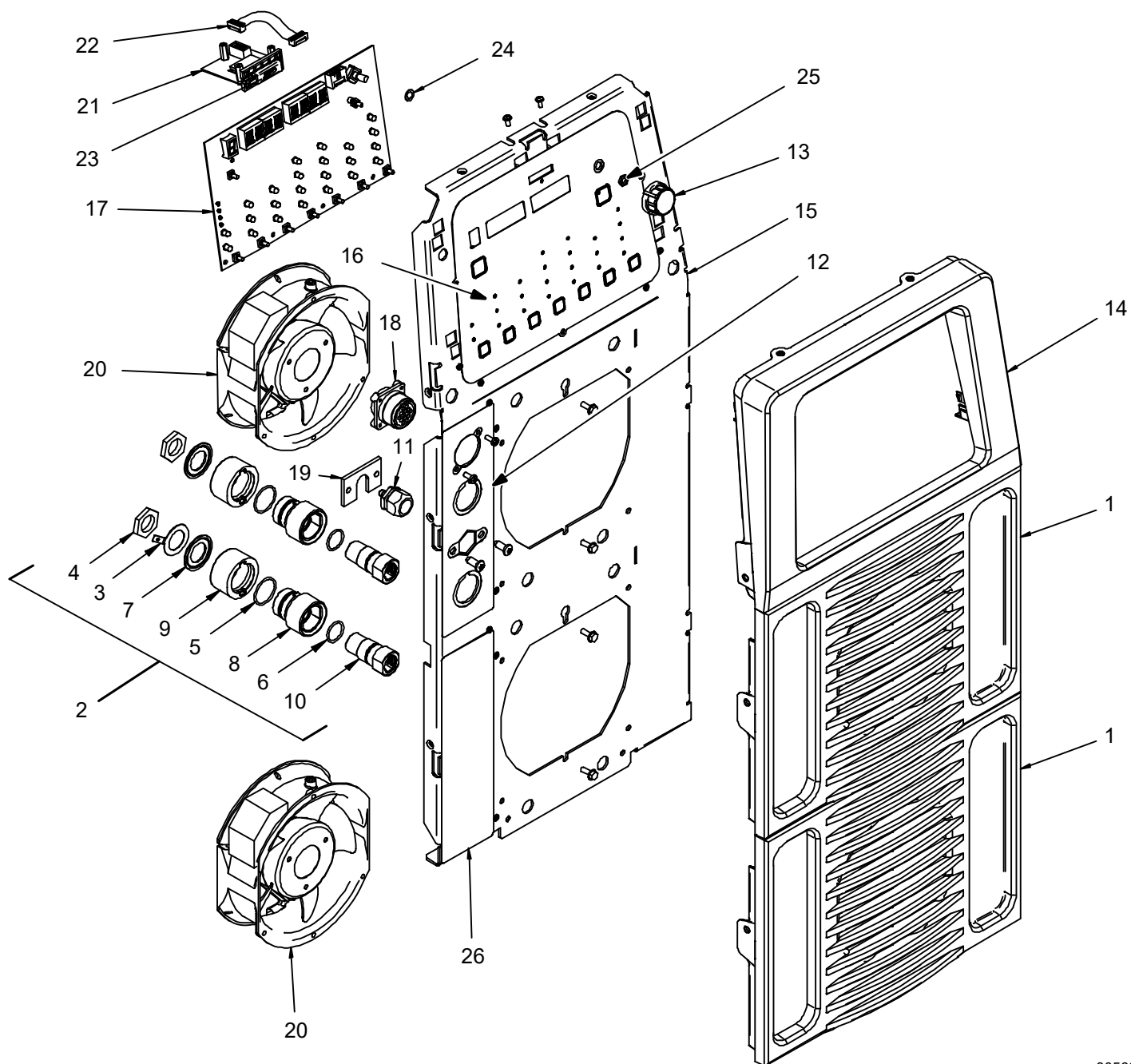
Item No.	Dia. Mkgs.	Part No.	Description	Qty
/	PLG150	130203	Housing Plug+Pins (Service Kit)	1
/	PLG222	131204	Housing Plug + Skts, (Service Kit)	1
/	PLG3	158719	Housing Rcpt+Skts, (Service Kit)	1
/	PLG4	158719	Housing Rcpt+Skts, (Service Kit)	1
/	PLG5	131054	Housing Rcpt + Skts, (Service Kit)	1
/	PLG7	131052	Housing Rcpt+Skts, (Service Kit)	1
/	PLG9	115091	Housing Plug+Pins (Service Kit)	1
/	PLG10	131054	Housing Rcpt + Skts, (Service Kit)	1
/	PLG11	115093	Housing Plug+Pins (Service Kit)	1
30	C23, C28	233133	Capacitor Assy	2
31		213248	Lug, Univ w/Screw 2/0-14 Wire 266STD	1
/		235496	Cable Tie, 0.06-2.000 Bundle Dia Tree Style Push Mount Mtg Hole Dia .246-.276 (CE)	1
32		275176	Bracket, Mtg Circuit Card Assy	1
33		276821	Cable Assy, Hall Effect w/Plugs 28 in.	1
34		275127	Cable, Ethernet Cat5E Utp Rj45 12.000 In Lg (BLK)	1
35		276416	Cable, Ethernet Cat5E Utp Rj45 24.000 In Lg (Blue)	1
/		278161	Kit, Automation Interface Connection	1
36	PC13	273436	Circuit Card Assy, Automation	1
/	PLG210	167333	Housing Plug+Skts, (Service Kit)	1
/		278321	Receptacle, w/Leads & Plug 28 Pin	1
/		218715	Conn, Circ Ms/Cpc 28 Pin Size 17 Plug Cable Push-in	1
/		218713	Conn, Circ Ms/Amp Pin Push-in 20-24Ga Solder Cup	28
/		079739	Conn, Circ Cpc Clamp Str Rlf Size 17-20 703od	1
37	L42,L43	268209	Core, Ferrite 25.4mm Od x 15.5mm Id x 12.7mm Lg (CE)	2
38	L40	278026	Core, Ferrite 2590mm Od X 1280mm Id (CE)	1
39	L31,L32,L35, L36,L37,L38	249747	Core, Ferrite Round Cable .201 Id Clamp-On Emi Supp	6
40	L33,L34	265451	Core, Ferrite Round Cable .400 Id Clamp-On Emi Supp	2
41	TE1	198951	Block, Terminal 3 Pole (Non-CE Models Only)	1
/			Cable, Power (CE) (Not Shown)	1
42	PC77	266586	Circuit Card Assy, Flyback 60w 940V In NC460322L - NE210335L	1
43		292031	Bracket, Mtg Circuit Card Assy NC460322L - NE210335L	1
44		263308	Clip, Mtg Pc Board NC460322L - NE210335L	2

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

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805605-A

Front Panel Assembly

Front Panel Assembly

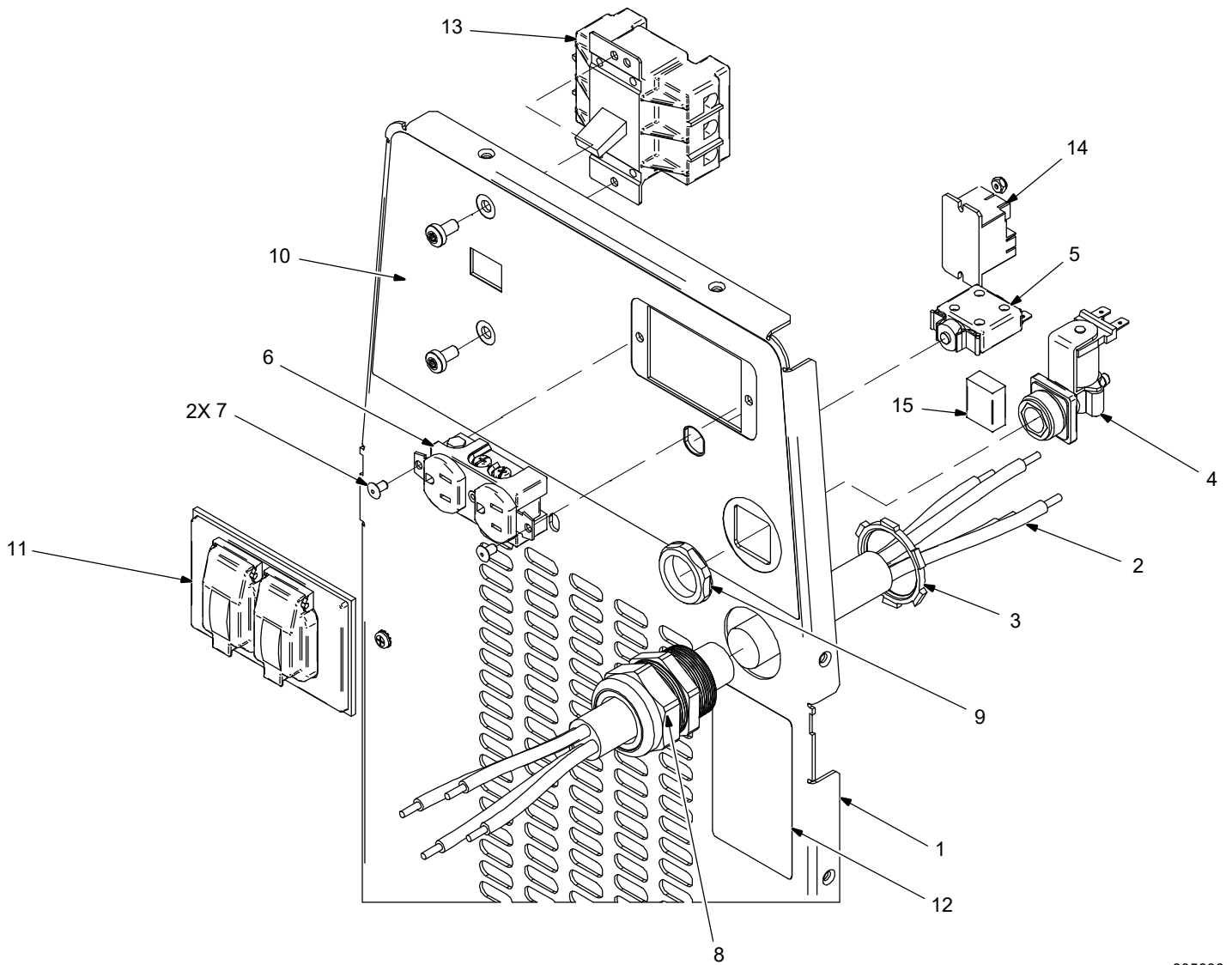
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		213053	Panel, Louver Cover	2
2		279662	Rcpt Assy, Tw Lk Insul Fem (Copper)	2
3		178548	Terminal, Connector Friction	1
4		185717	Nut, M20-15 100Hex 19H Brs Locking	1
5		185718	O-Ring, 0.989 Id x 0.070H	1
6		186228	O-Ring, 0.739 Id x 0.070 H	1
7		229338	Washer, Domed Load .812 Id x 1.450 Od x .070 Thk	1
8		279662	Rcpt Assy, Tw Lk Insul Fem (Copper)	1
9		274935	Insulator, Bulkhead Rear	1
10		276755	Receptacle, Twist Lock Brass Power (Female)	1
11		231279	Fitting, Gas-clip Mount	1
12		233116	Plate, Indicator Front	1
13		228546	Knob, Pointer 1.125 Dia x 6mm Id w/Spring Clip - 45mm Flat	1
14		213051	Panel, Front Top	1
15		273672	Panel, Front	1
16		275861	Nameplate, Maxstar	1
17	PC3	279664	Kit, PC Board User Interface	1
18	RC1	275258	Lead Assy, Process Control To 14 Pin	1
19		230155	Bracket, Valve Mtg	1
20	FMT, FMB	213072	Fan, Muffin 115V 60Hz 3400 Rpm 6.378 Mtg Holes	2
21	PC9	274828	Kit, PC Board SD Card Interface	1
22		254529	Cable, Ribbon 10 Posn 5.000 in Skts To Skts	1
23		254052	Cover, SD Card	1
24		254153	Washer, Flat .281 Id x 0.500 Od x .031T Stl Pld (Between encoder and sheet metal)	1
25		254151	Nut, M07-.75 10mm Hex 2mm H Stl Pld	1
26		216859	Plate, Front Panel	1

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805606-A

Rear Panel Assembly

Rear Panel Assembly

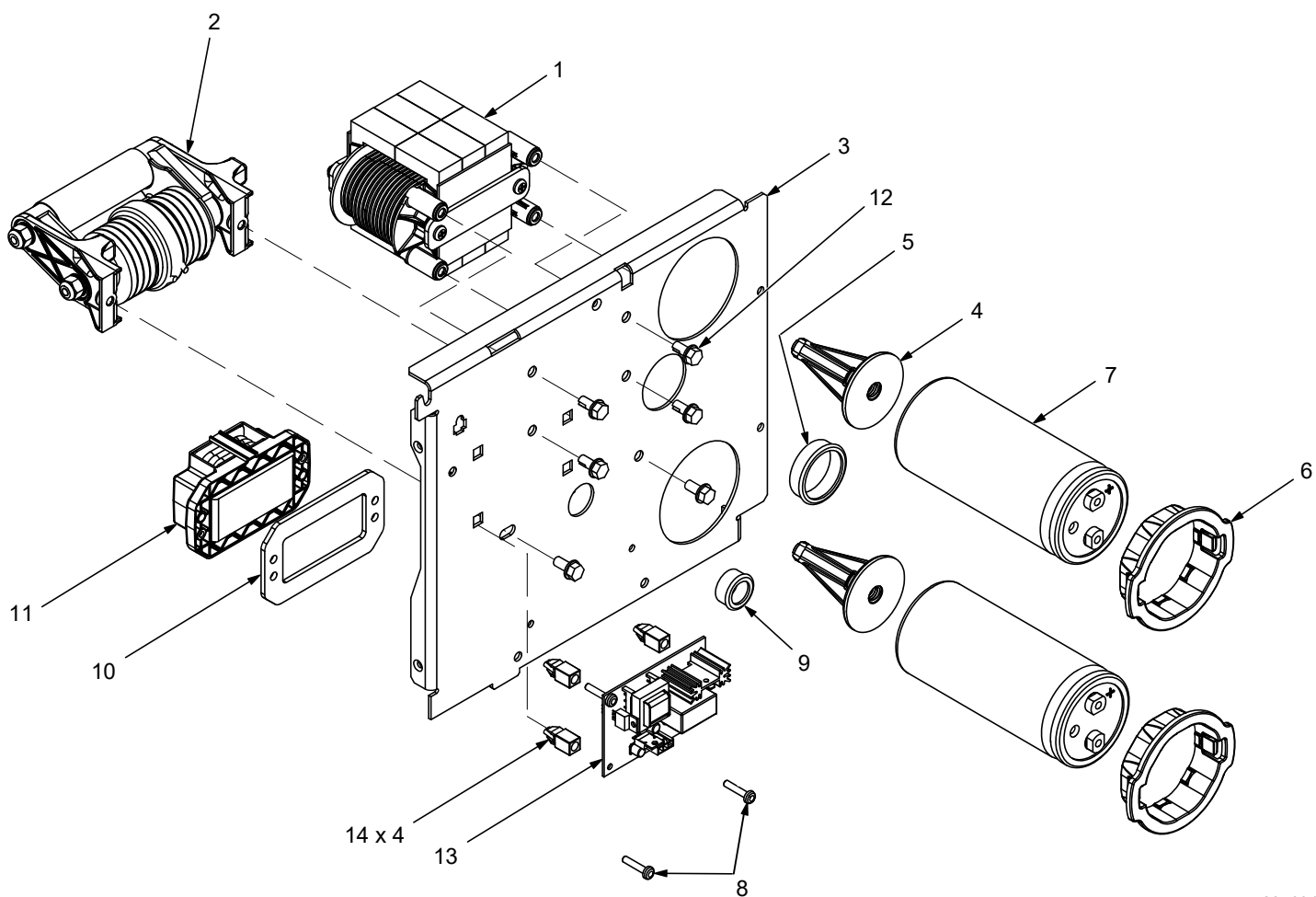
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		+ 275336	Panel, Rear (Order By Stock And Serial Number)	1
2		216880	Cable, Power 10 Ft 8Ga 4C (CE)	1
3		274562	Nut, Conduit 1.250-11.5 Npt Pld 2.062 Od x .17 Thk (CE)	1
4	GS1	238805	Valve, 24 VDC 2Way 125 PSI Custom Port 054 Orf w/Frict (Not in Maxstar STR)	1
5	SP1	202711	Supplementary Protector, Man Reset 1P 7A 250V Fric	1
6	RC2	189033	Rcpt, Str Dx Gnd 2P3W 15A 125V (Gray)	1
7		127013	Rivet, Al .187 Dia x .063-.125 Grip Blk Blind Dome	2
8		263090	Bushing, Strain Relief .490/.785 Id x 1.326 Mtg Hole (CE)	1
9		137761	Nut, 750 Npt 1.31 Hex .27H Nyl Blk	1
10		277568	Nameplate, Ident Rear	1
11		217297	Cover, Receptacle Weatherproof Duplex Rcpt	1
12		279484	Label, Warning Incorrect Connections	1
11		219842	Label, Warning Input Connections/Electric Shock (CE)	1
13	S1	246846	Switch, Tgl Assy	1
/		249816	Switch, Tgl 3 Pst 85A 600 VAC Scr Term Wide Tgl	1
13	S1	244920	Switch, Tgl 3Pst 40A 600VAC Scr Term Wide Tgl (CE)	1
14	CR1	206258	Relay, Encl 24 VDC Spst 30S/24 VDC 4-Pin Flange Mtg	1
15		278019	Gasket, Emi 10mm x 20mm x 25.4mm	1

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285634-C

Windtunnel, Right Hand with Components

Windtunnel, Right Hand with Components

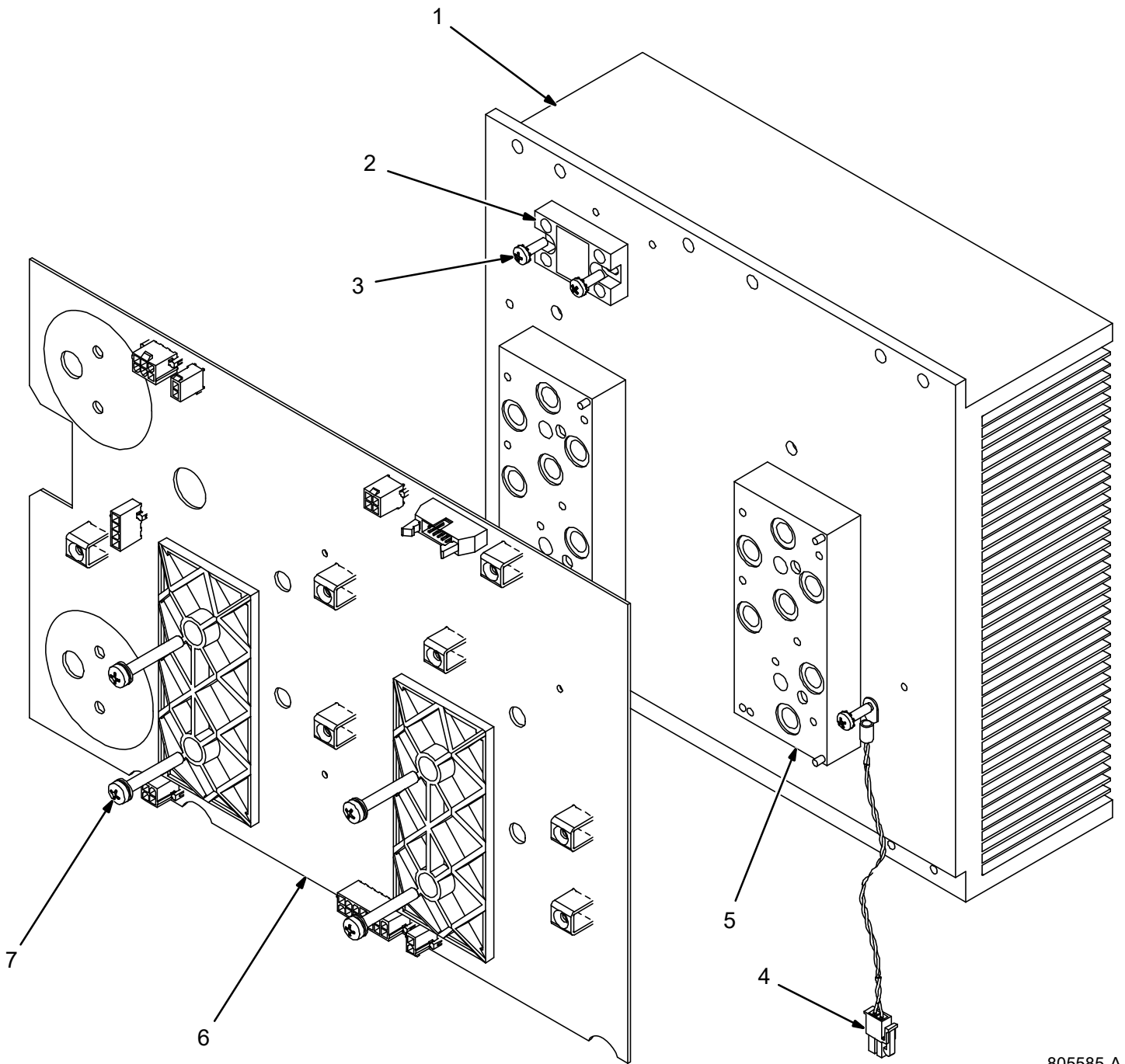
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1	L11	276208	Inductor, Input	1
2	T2	242782	XFMR, HF Coupling	1
3		+ 274959	Panel, Right Windtunnel	1
4		216861	Stand-Off, Capacitor	2
5		170647	Bushing, Snap-In Nyl 1.312 Id x 1.500 Mtg Hole	1
6		216860	Grommet, Capacitor	2
7	C4,C20	245614	Capacitor, Elctlt 1800 UF 500 VDC Can 2.52 Dia	2
8		207418	Screw, K40 x 12 Pan Hd-Phl Stl Pld Pt Thread Forming	2
/		218004	Label, Warning Electric Shock/Exploding Parts (Prior to NC460322L)	1
9		010493	Bushing, Snap-In Nyl .625 Id x .875 Mtg Hole	1
10		218566	Gasket, Inductor Mounting E70 Ferrite Core	1
11	L12	213348	Coil, Inductor (Pre-Regulator)	1
12		233913	Screw, .250-14 x .50 Hexwhd T-25 T/C SC ZC	6
13	PC4	247046	Circuit Card Assy, Arc Starter	1
14		083147	Grommet, Scr No 8/10 Panel Hole .312 Sq .500 High	4

*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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805585-A

Heatsink, Primary Assembly (Eff with NC150361L-ND310105L (Non-CE) and NC150361L-NE210335L (CE))

Heatsink, Primary Assembly (Eff with NC150361L-ND310105L (Non-CE) and NC150361L-NE210335L (CE))

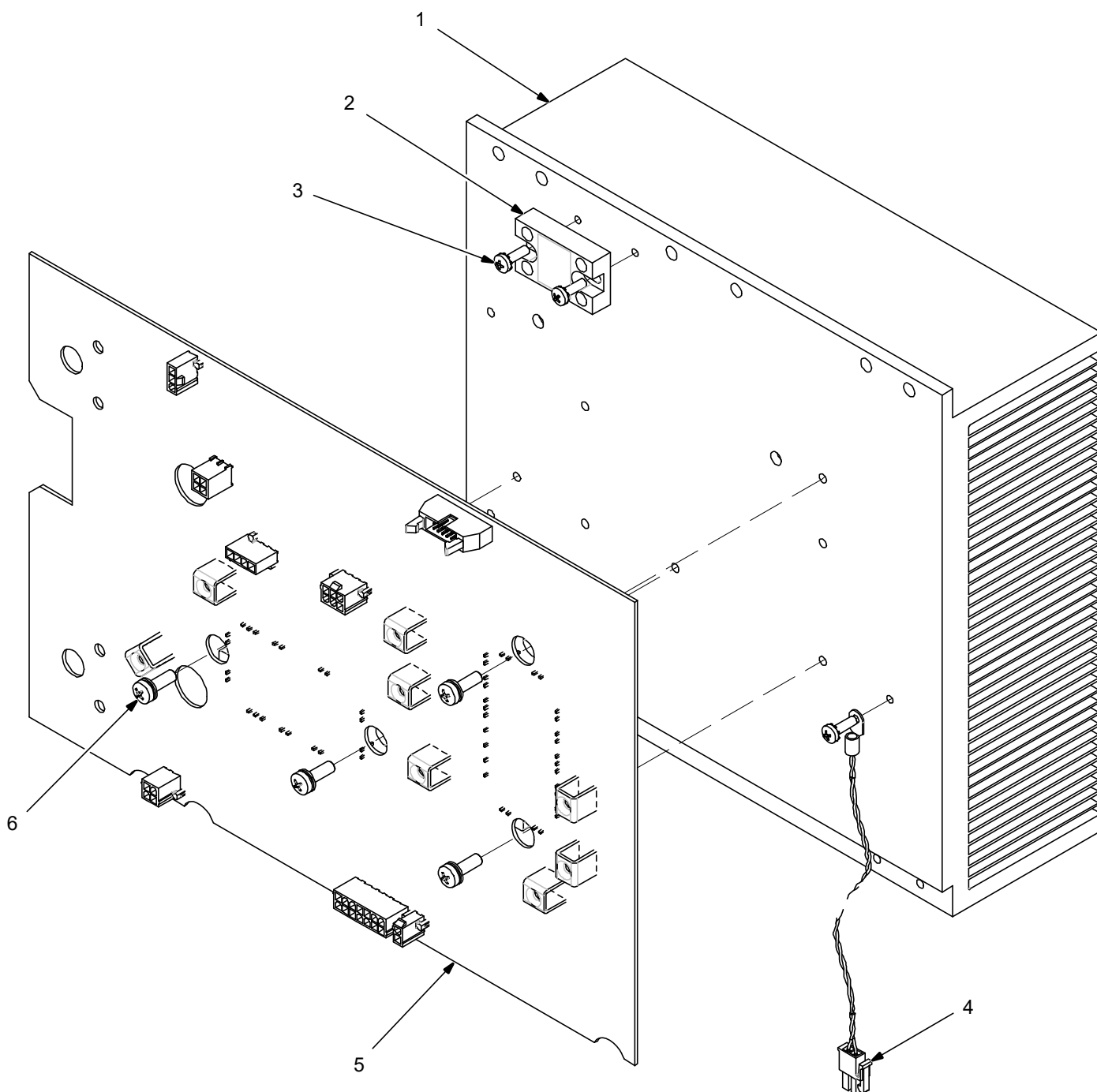
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		213346	Heatsink, Power Module	1
2	RM1	205751	Module, Power Resistor w/Plug	1
3		207451	Screw, 008-32 x .50 Pan Hd-Phl Stl Pld Sems	3
4	RT11	213353	Thermistor, NTC 30K Ohm @ 25 Deg C 8 In Lead	1
5	MOD1,2	261556	Kit, Input/Pre-Regulator And Inverter Module (Includes MOD1, MOD2)	1
6	PC1	287963	Kit, Circuit Card Assy, Power Interconnect	1
/	PLG101	131054	Housing Rcpt + Skts, (Service Kit)	1
/	PLG2	158719	Housing Rcpt+Skts, (Service Kit)	1
/	PLG400	115093	Housing Plug+Pins (Service Kit)	1
/	PLG6	131056	Housing Plug+Pins (Service Kit)	1
/	PLG71	115094	Housing Plug + Skts, (Service Kit)	1
7		229334	Screw, M5 - .8 x 35 Pan Hd-Phl Stl Pld Sems	4

*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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294699-A

Heatsink, Primary Assembly (Eff with ND310106L-NE210335L (Non-CE))

Heatsink, Primary Assembly (Eff with ND310106L-NE210335L (Non-CE))

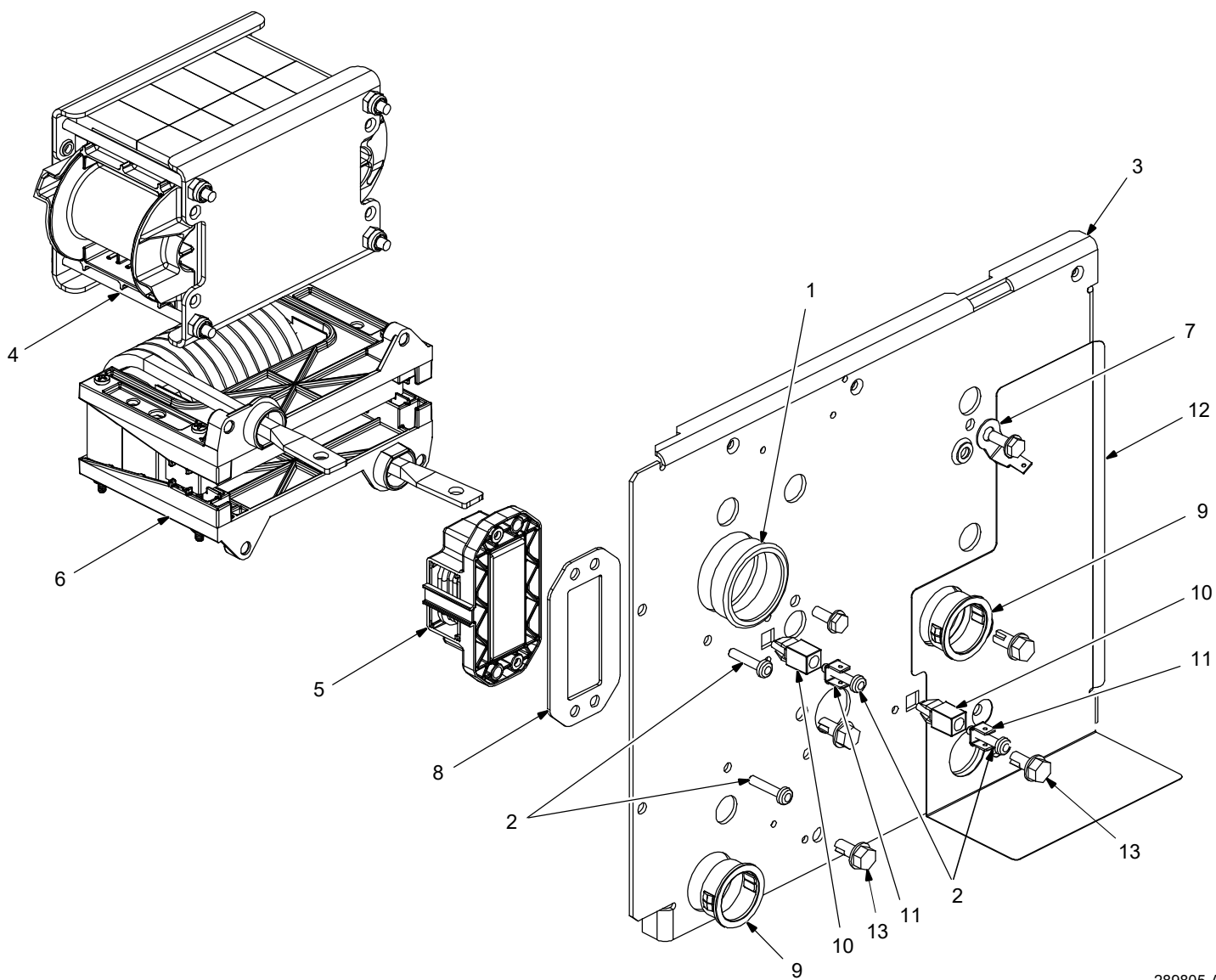
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		213346	Heatsink, Power Module	1
2	RM1	205751	Module, Power Resistor w/Plug	1
3		207451	Screw, 008-32 x .50 Pan Hd-Phl Stl Pld Sems	3
4	RT11	213353	Thermistor, NTC 30K Ohm @ 25 Deg C 8 In Lead	1
5	PC1	296477	Kit, Circuit Card Assembly Primary Interconnect	1
/	PLG101	131054	Housing Rcpt + Skts, (Service Kit)	1
/	PLG2	201665	Housing Plug + Skts (Service Kit)	1
/	PLG400	115093	Housing Plug+Pins (Service Kit)	1
/	PLG6	131056	Housing Plug+Pins (Service Kit)	1
/	PLG71	115094	Housing Plug + Skts, (Service Kit)	1
/	PLG8	279432	Housing Rcpt+Skts, (Service Kit)	1
6		257271	Screw, M5-.8 x 16 Pan Hd-Phl Stl Pld Sems	4

*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.

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289805-A

Windtunnel, Left Hand with Components

Windtunnel, Left Hand with Components

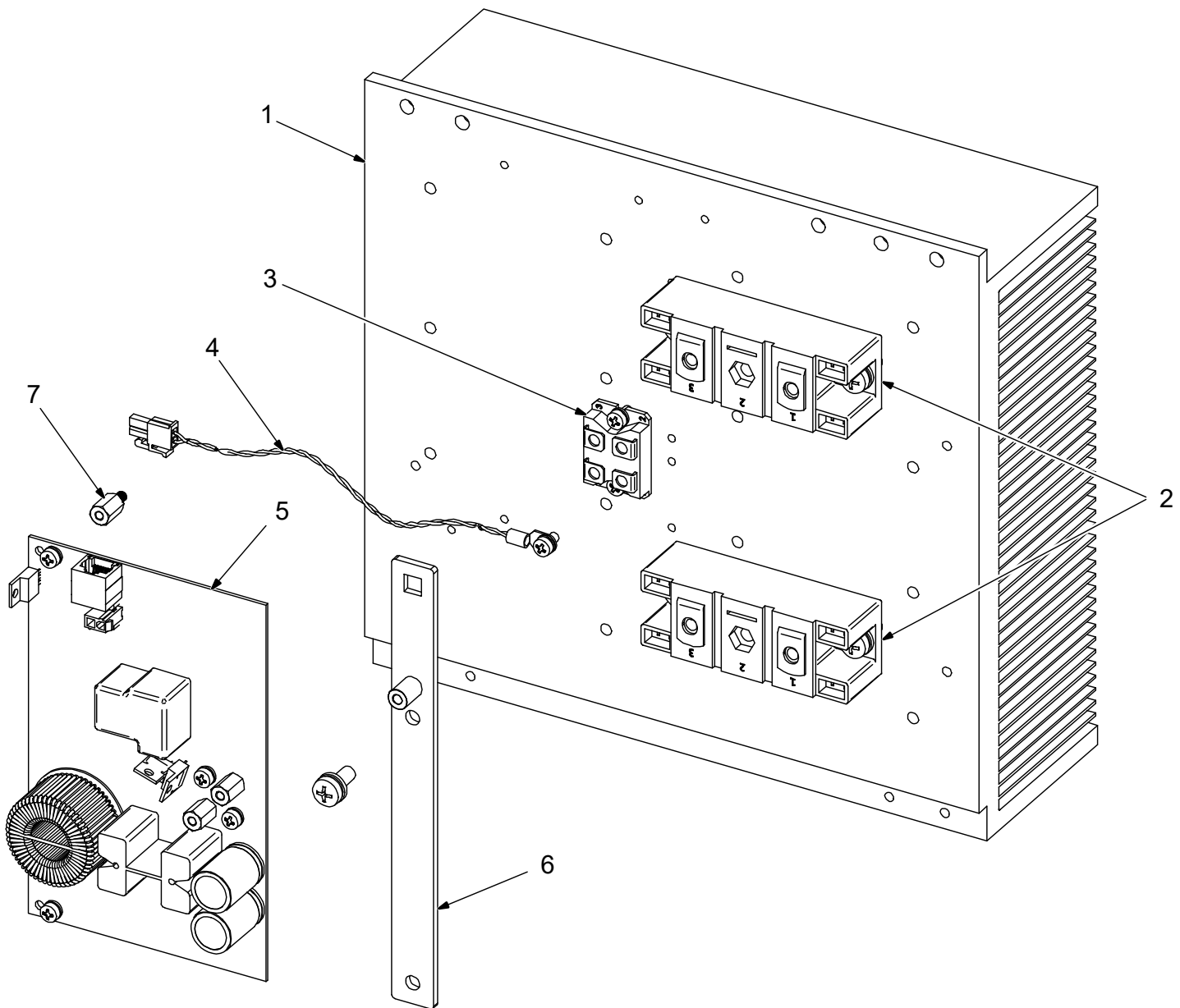
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		170647	Bushing, Snap-In Nyl 1.312 Id x 1.500 Mtg Hole	1
2		207418	Screw, K40 x 12 Pan Hd-Phi Stl Pld Pt Thread Forming	2
3		274960	Panel, Left Windtunnel	1
4	T1	274757	XFMR, Hf Litz/Litz w/Boost	1
5	L22	275390	Coil, Inductor (Boost)	1
6	L21	288918	Inductor, Output	1
7		231208	Connector, Faston 1/4 Ring w/75 Deg Bend	1
8		227746	Gasket, Inductor Mounting	1
9		057357	Bushing, Snap-In Nyl .937 Id x 1.125 Mtg Hole	2
10		083147	Grommet, Scr No 8/10 Panel Hole .312 Sq .500 High	2
11		600760	Term, Frict .250 x .032 Uninsul Male .130 Stud Mtg 1pr	2
12		287694	Insulator, Electrode	1
13		233913	Screw, .250-14 x .50 Hexwhd T-25 T/C SC ZC	4

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Heatsink, Secondary Assembly

Heatsink, Secondary Assembly

Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		274755	Heatsink, Power Module	1
2	D21, D22	213521	Kit, Ultra Fast Diode	2
3	D23	201530	Kit, Diode Fast Recovery Bridge	1
4	RT21	213353	Thermistor, NTC 30K Ohm @ 25 Deg C 8 In Lead	1
5	PC5	275540	Circuit Card Assy, Secondary	1
/	RC331,333	131054	Housing Rcpt + Skts, (Service Kit)	1
6		291036	Bus Bar, Cop 750 x 7875 x 125 Thk	1
7		276732	Stand-Off, M4 x 0.7 x 12mm Lg 8mm AL M&F	3

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

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