



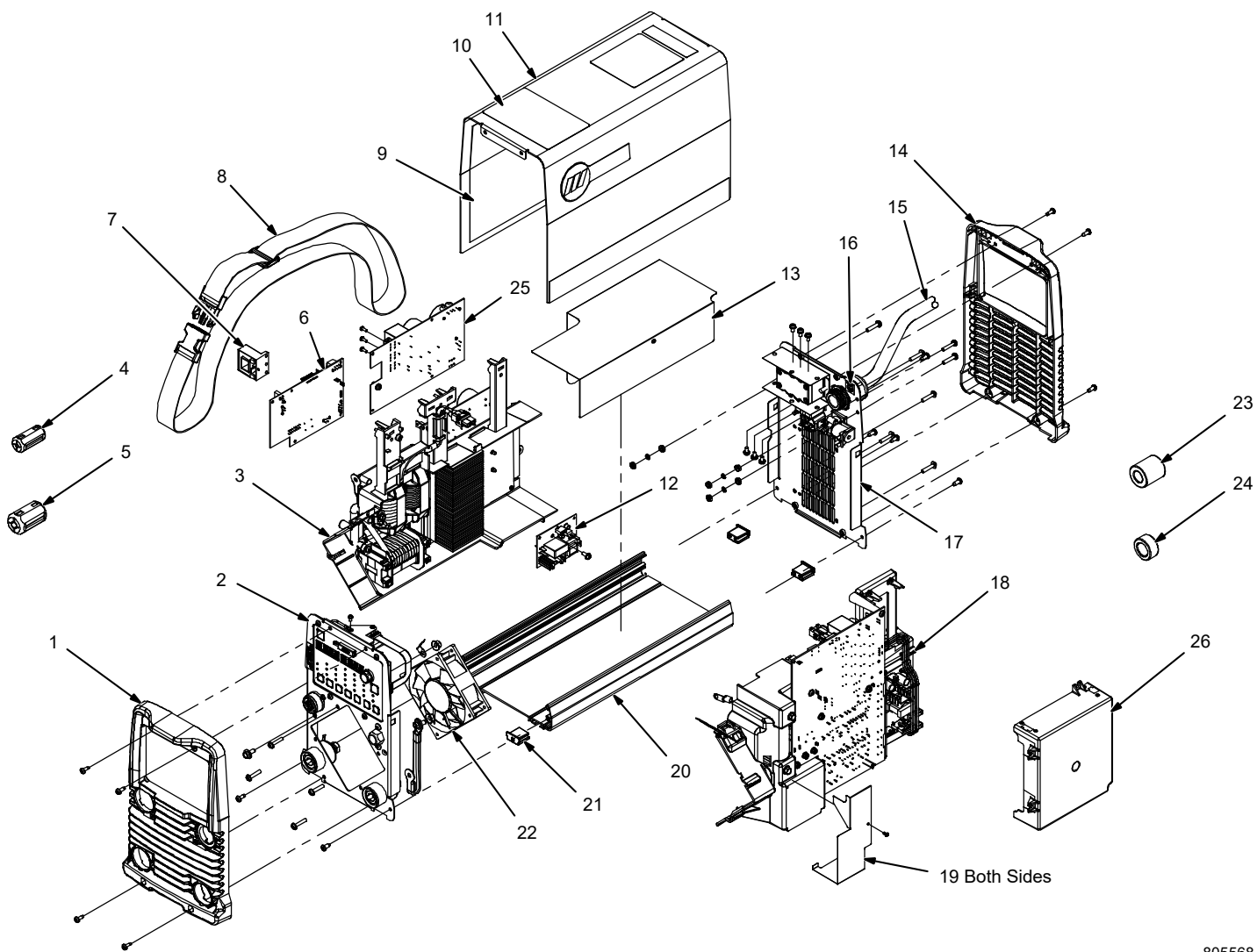
PM- 294476 B

Maxstar 210 Series

Effective with Serial Number
NE010653L - ZZ222222R



PARTS MANUAL



805568-B

Main Assembly

Main Assembly

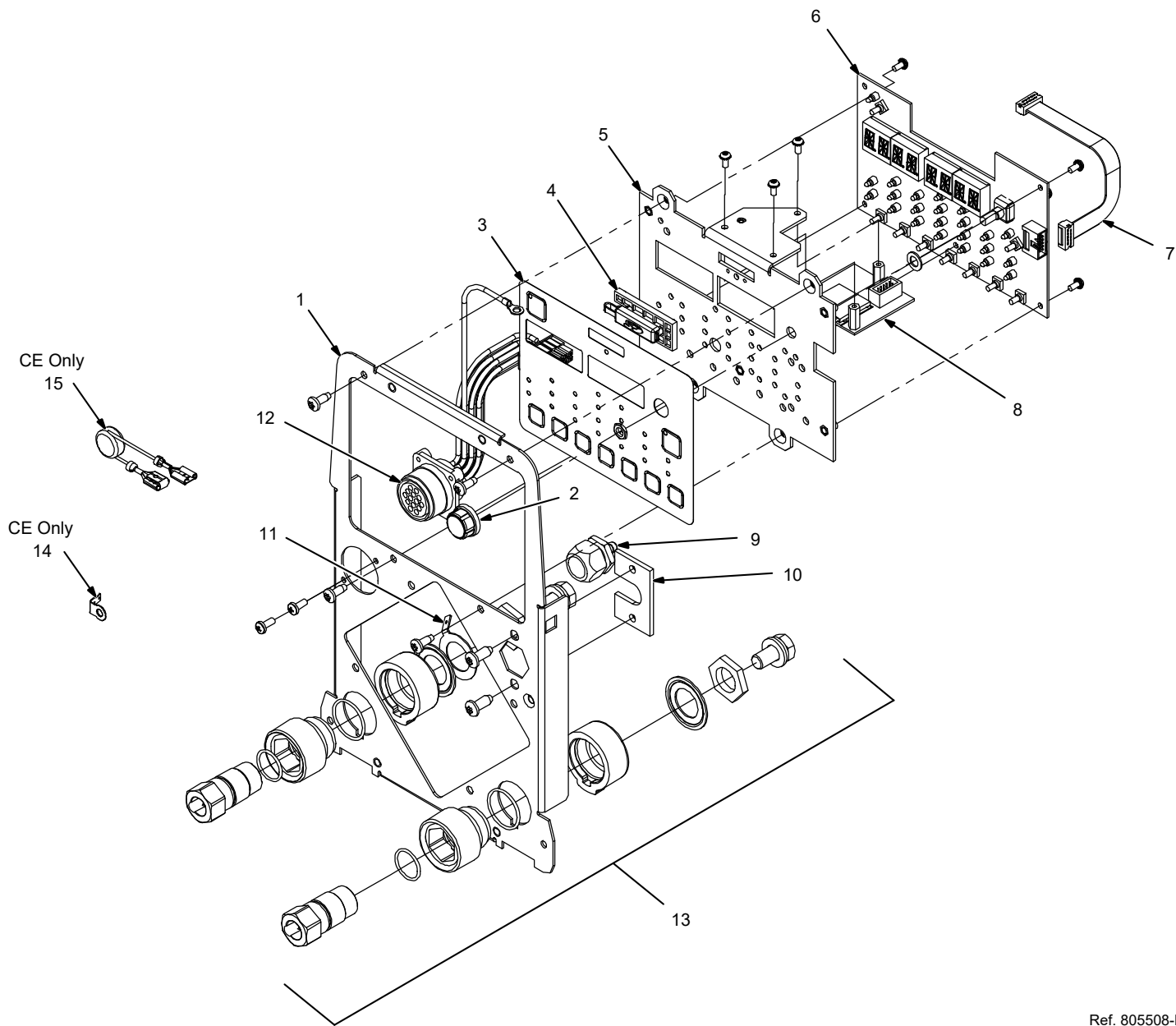
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		246623	Panel, Front Plastic	1
2		257352	Panel, Front w/Cmpnts-DX	1
2		257351	Panel, Front w/Cmpnts	1
3		268652	Windtunnel, Lh w/Cmpnts-Maxstar	1
4	L31, L32	249747	Core, Ferrite Round Cable .201 Id Clamp-On Emi Supp	2
5	L33, L34, L40	265451	Core, Ferrite Round Cable .400 Id Clamp-On Emi Supp	2
6	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
7	HD1	284620	Transducer, Current 200A Module Supply V +5V	1
8		257270	Strap, Shoulder	1
9		189784	Insulator, Wrapper	2
9		210166	Insulator, Wrapper (CE)	2
10		270247	Label, Warning General Precautionary Static (En/Fr)	1
10		179310	Label, General Precautionary Wordless Intl Small (CE)	1
11		+ 268523	Wrapper	1
11		+ 246627	Wrapper (CE)	1
12	PC4	288491	Circuit Card Assy, Arc Starter	1
/	RC70	131204	Housing Plug + Skts, (Service Kit)	1
13		268859	Insulator, Main	1
14		246624	Panel, Rear Plastic	1
15		271478	Cable, Power 10Ft 6 In 12Ga 4C Blk/Red/Wht/Grny	1
15		294507	Cable, Power 10 Ft 6 In 4mm2 4C Blk/Brn/Gra/GrnYel (CE)	1
16		217553	Label, GND	1
17		271719	Panel, Rear w/Cmpnts	1
18		268524	Windtunnel, Rh w/Cmpnts	1
19		254119	Insulator, Negative Stud	2
20		268517	Base	1
20		246626	Base (CE)	1
21		250946	Foot, Base	4
22	FM	280575	Fan, Muffin 24 Vdc 6400 Rpm 4.125 Mtg Holes w/Guard	1
23	L42	246958	Core, Ferrite 25.90mm Od x 12.80mm Id x 28.60mm LG Emi Supp (CE)	1
24	L47, L48	268209	Core, Ferrite 25.4mm Od x 15.5mm Id x 12.7mm Lg (CE)	2
25	PC10	253884	Circuit Card Assy, Input Filter (CE)	1
26		250110	Shell, Potting Cooler Power Supply (No Cooler Power Supply) (CE)	1
27		291475	Hose, Polyurethane Black .208 Id x .406 Od x 21 In (Not Shown)	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. 805508-D

Front Panel Assembly DX

Front Panel Assembly DX

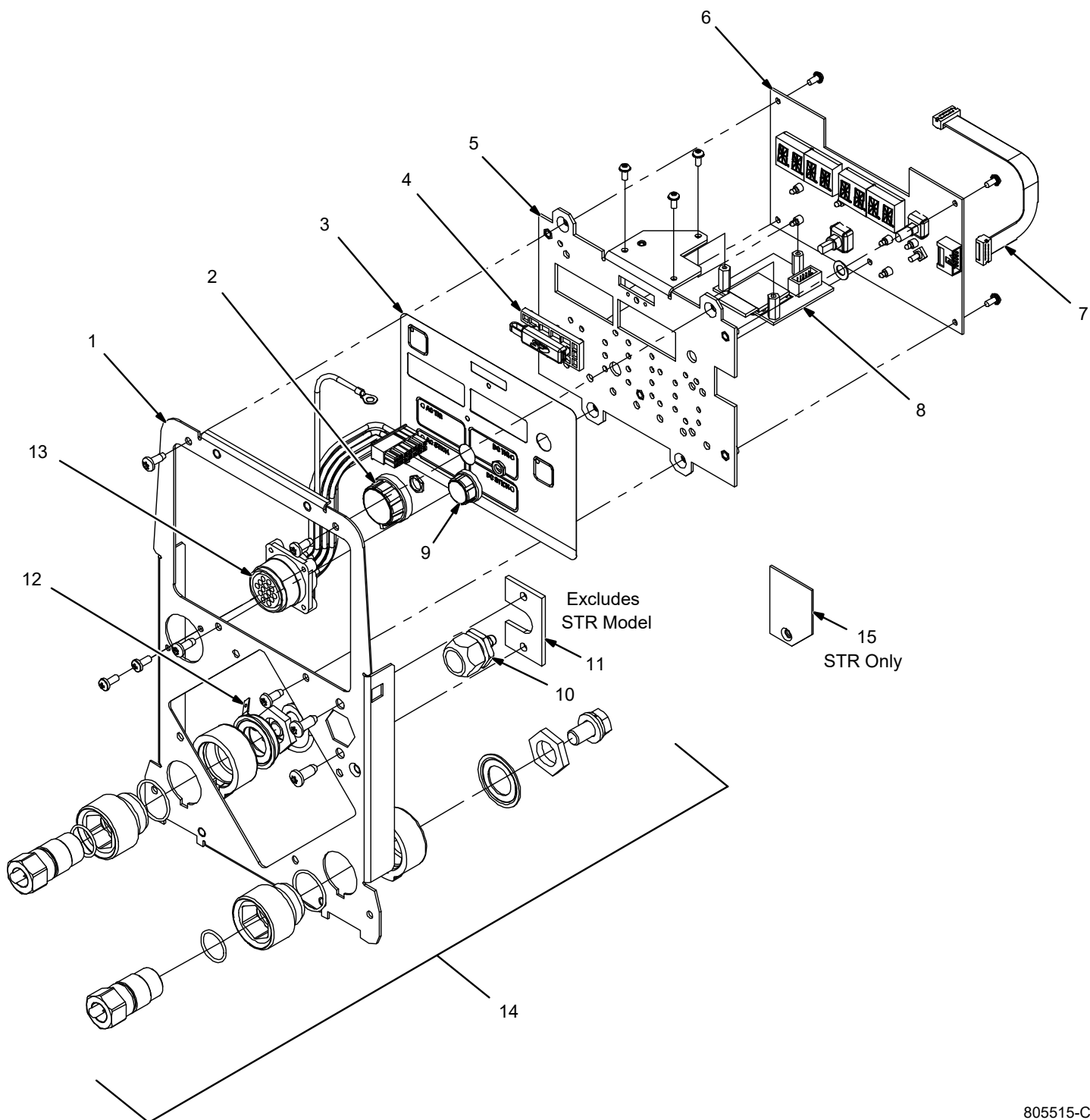
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		246628	Panel, Front	1
2		230052	Knob, .840 Dia x 6mm Id w/Spring Clip - 4.5	1
3		247216	Nameplate, Miller Maxstar DX	1
4		254052	Cover, SD Card	1
5		247225	Panel, Mtg Nameplate/Circuit Bd	1
6	PC3	279305	Kit, PC Board User Interface	1
7		254529	Cable, Ribbon 10 Posn 5.000 in Skts To Skts	1
8	PC9	274828	Kit, PC Board SD Card Interface	1
9		231279	Fitting, Gas-clip Mount	1
10		230155	Bracket, Valve Mtg	1
11		178548	Terminal, Connector Friction	1
12	RC1	250852	↓ Lead Assy, Process Control To 14 Pin	1
/	PLG100	131058	→ Housing Plug + Skts	1
/	RC1	143976	→ Rcpt w/Skts, (Service Kit)	1
* 13		279661	↓ Rcpt Assy, Tw Lk Insul Fem (Dinse Type)	2
/		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
13		284865	→ Rcpt Assy, Tw Lk Insul Fem (Camlock Style)	2
13		284866	→ Rcpt Assy, Tw Lk Insul Fem (Tweco Style)	2
14	C21	268643	Capacitor Assy (Maxstar CE Only)	1
15		231208	Connector, Faston 1/4 Ring w/75 Deg Bend (Maxstar CE Only)	1

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805515-C

Front Panel Assembly

Front Panel Assembly

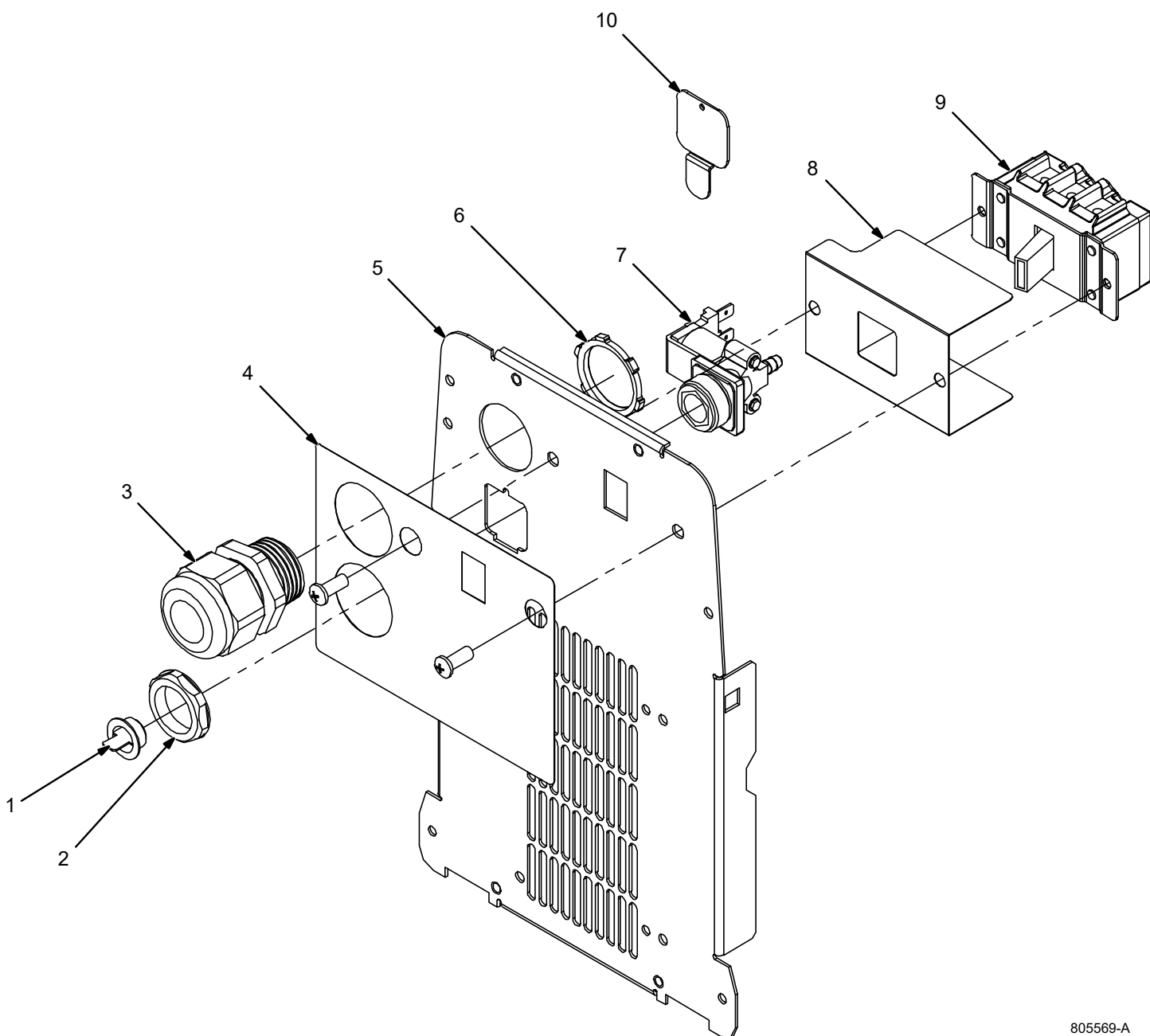
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		246628	Panel, Front	1
2		228546	Knob, Pointer 1.125 Dia x 6mm Id w/Spring Clip - 45mm Flat	1
3		247218	Nameplate, Miller Maxstar (Order by Model and Serial No.)	1
3			Nameplate, Miller Maxstar STR (Order by Model and Serial No.)	1
4		254052	Cover, SD Card	1
5		247225	Panel, Mtg Nameplate/Circuit Bd	1
6	PC3	269500	Kit, PC Board User Interface	1
7		254529	Cable, Ribbon 10 Posn 5.000 in Skts To Skts	1
8	PC9	274828	Kit, PC Board SD Card Interface	1
9		230052	Knob, .840 Dia x 6mm Id w/Spring Clip - 4.5	1
10		231279	Fitting, Gas-clip Mount (Not in Maxstar STR Model)	1
11		230155	Bracket, Valve Mtg (Not in Maxstar STR Model)	1
12		178548	Terminal, Connector Friction	1
13	RC1	250852	↓ Lead Assy, Process Control To 14 Pin	1
/	PLG100	131058	→ Housing Plug + Skts	1
/	RC1	143976	→ Rcpt w/Skts, (Service Kit)	1
* 14		279661	↓ Rcpt Assy, Tw Lk Insul Fem (Dinse Type)	2
/		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
14		284865	→ Rcpt Assy, Tw Lk Insul Fem (Camlock Style)	2
14		284866	→ Rcpt Assy, Tw Lk Insul Fem (Tweco Style)	2
15		271724	Plate, Gas Cover Front (STR Only)	1

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805569-A

Rear Panel Assembly

Rear Panel Assembly

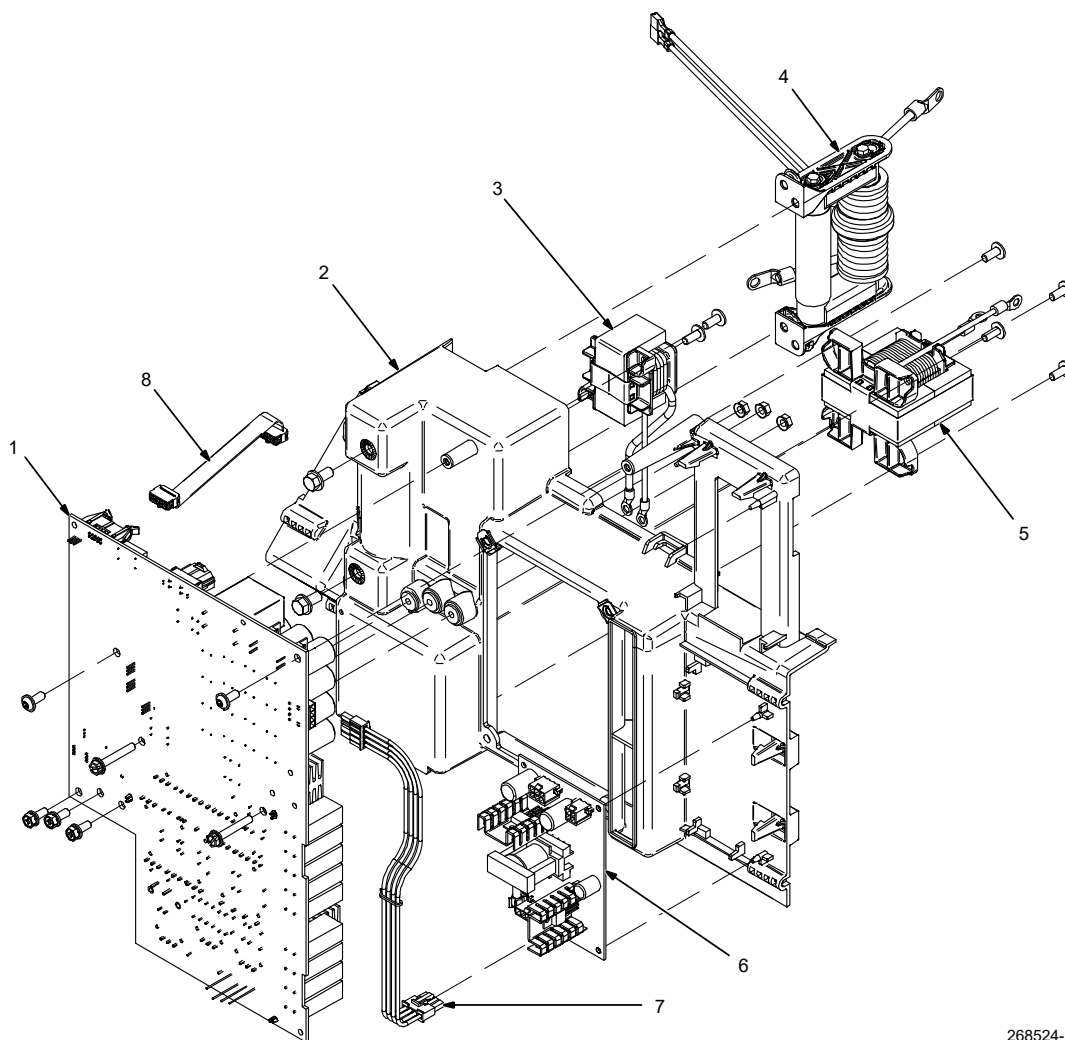
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		225049	Plug, Protective .598 x .31 Lg Rubber Yellow	2
2		137761	Nut, .750 Npt 1.31 Hex .27H Nyl Blk	1
3		255469	Bushing, Strain Relief .490/.785D x 1.326 Mtg Hole	1
4			Nameplate, Rear (Order by Model and Serial No.)	1
5		271715	Panel, Rear	1
6		273571	Nut, Conduit 1.000 Npt Pld 1.71 Od x .14 Thk (Except Maxstar STR)	1
7	GS1	238805	Valve, 24 Vdc 2Way, 125 Psi Custom Port .054 Orf w/Fr (Except Maxstar STR)	1
8		271718	Insulator, Switch Power	1
9	S1	244920	Switch, Tgl 3Pst 40A 600 Vac Scr Term Wide Tgl	1
10		271721	Plate, Gas Cover Rear (Maxstar STR Only)	1

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Right Hand Windtunnel

268524-E

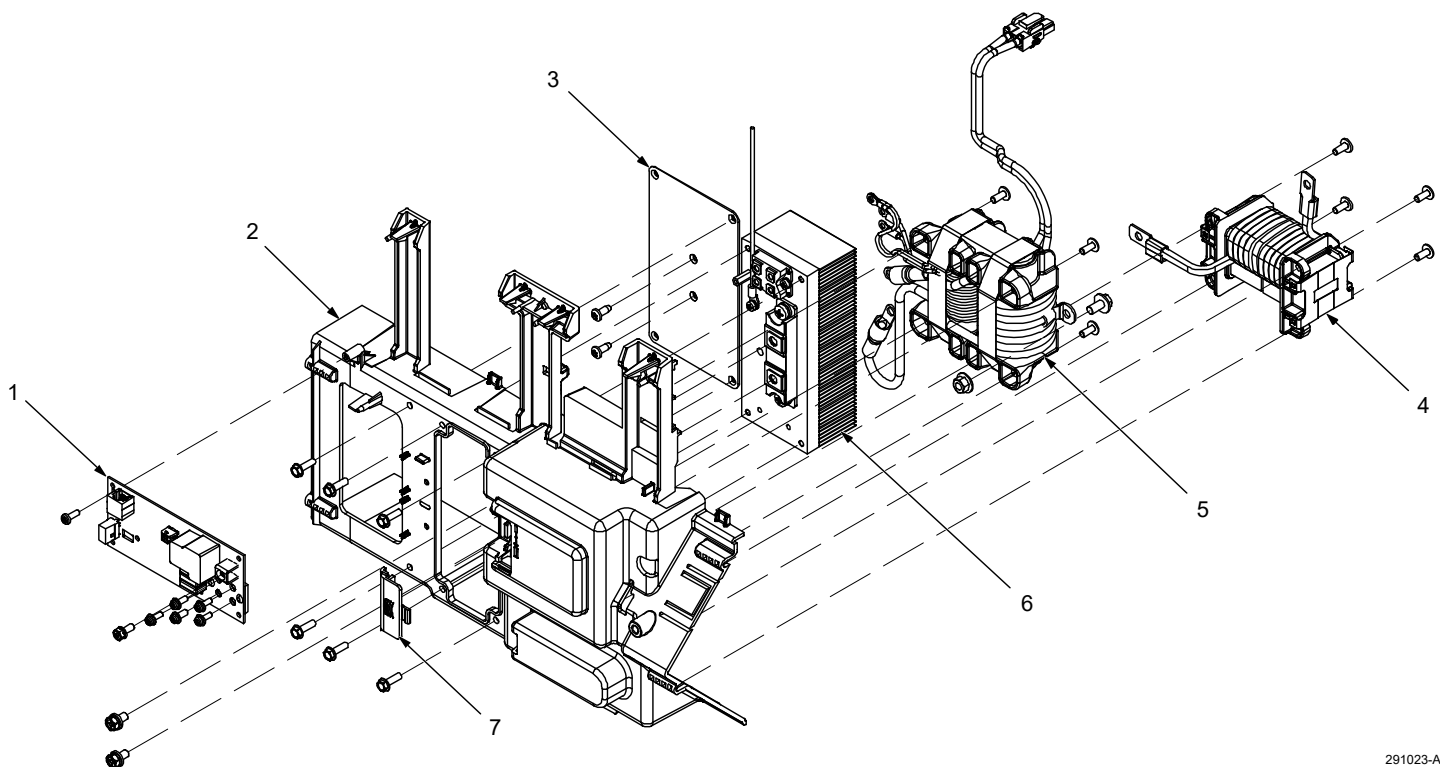
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1	PC1	286235	Kit, PCB Board Primary	1
/	PLG308	201665	Housing Plug + Skts (Service Kit)	2
2		246621	Windtunnel, Right	1
2		246619	Windtunnel, Right (CE)	1
3	T2	268676	XFMR, HF Coupling	1
4	L2	268673	Inductor, DI-DT	1
5	L1	268672	Inductor, Input	1
6	PC7	266586	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		270534	Lead Assy, Primary To Flyback	1
7		250845	Lead Assy, Primary To Flyback (CE)	1
8		254529	Cable, Ribbon 10 Posn 5.000 in Skts To Skts	1

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291023-A

Left Hand Windtunnel

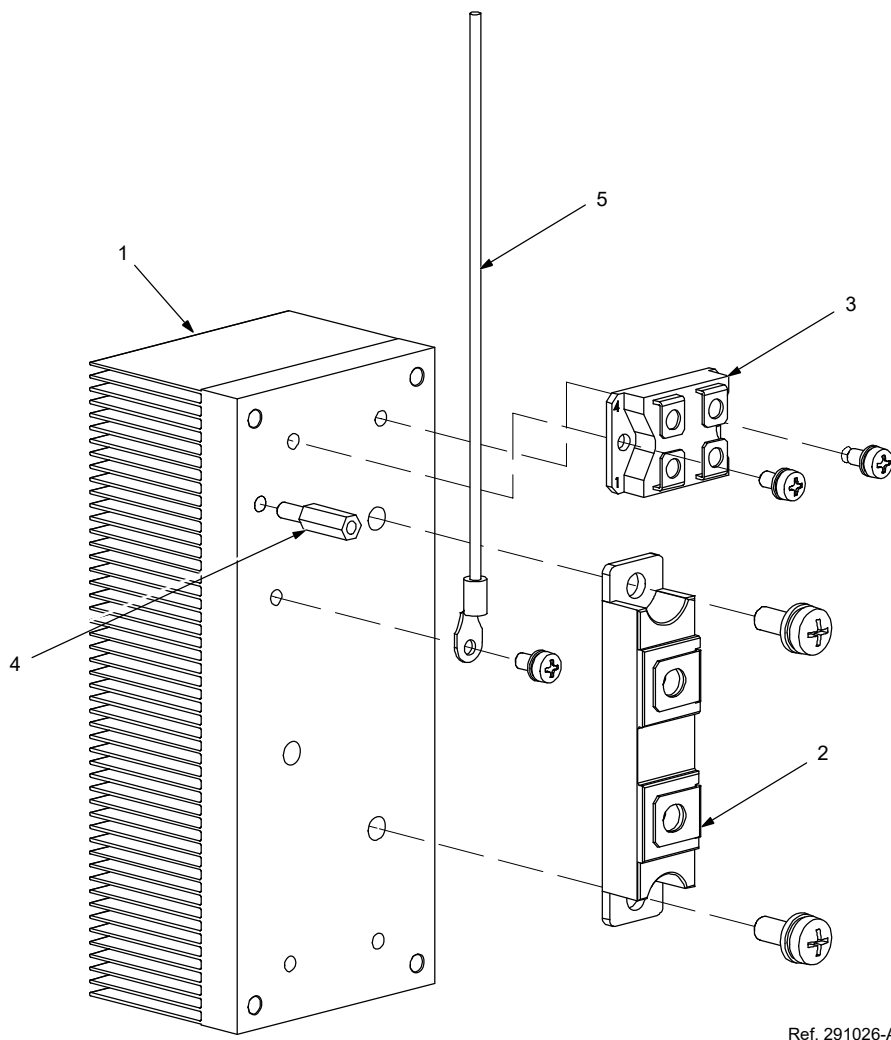
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1	PC5	283682	Circuit Card Assy, Secondary	1
/	RC50	115092	Housing Plug + Pins (Service Kit)	1
2		246622	Windtunnel, Lh	1
2		246620	Windtunnel, Lh (CE)	1
3		268667	Cover, Windtunnel	1
3		263440	Baffle, Air Windtunnel (CE)	1
4	Z1	290580	Inductor, Output	1
5	T1	290594	XFMR, HF Litz/Litz w/Boost	1
6		Diode Assembly (See following for subassembly information)		1
7		249529	Cover, XFMR Leadout	1
8		275127	Cable, Ethernet Cat5E Utp Rj45 12.000 In Lg (BLK) (Not Shown)	1

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Diode Assembly

Ref. 291026-A

Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		246631	Heat Sink, Diode	1
2	D21	285840	Kit, Ultra-fast Diode - Use supplied terminal mounting screws	1
3	D23	259419	Kit, Ultra-fast Diode	1
4		263443	Stand-Off, M4 x 0.7 x 15mm Lg 6mm Hex AL M&F	1
5		282398	Thermistor, NTC 30K Ohm at 25 Deg C 7.00 Lead	1

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