



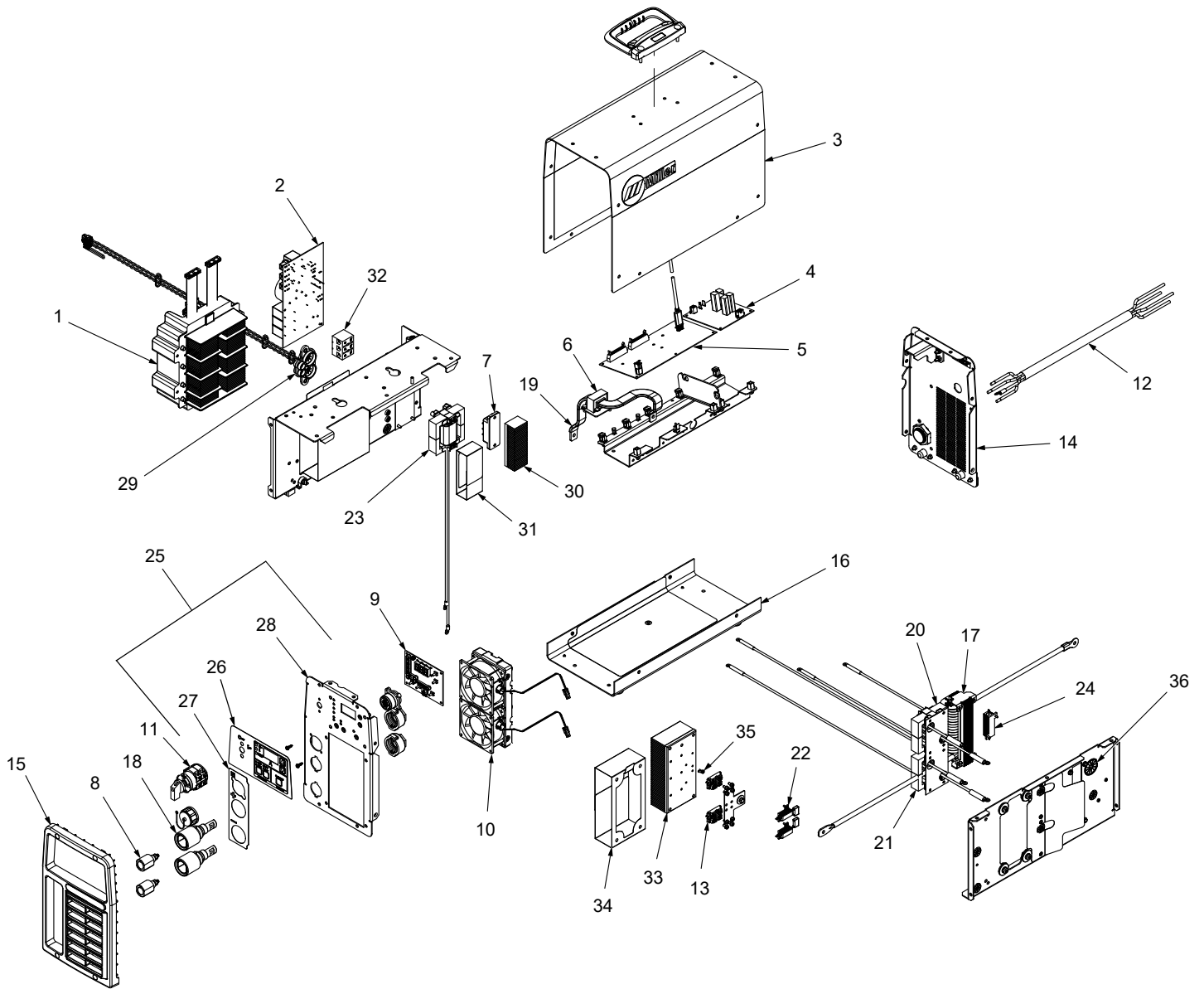
PM- 285986 L

CST 282

Effective with Serial Number
NA486002U - ZZ222222



PARTS MANUAL



907770

Main Assembly

Main Assembly

Item No.	Dia. Mkgs.	Part No.	Description	Qty
1	PM1	285329	Primary Assy,	1
2	PC1	285647	↓ Circuit Card Assy, Input	1
	PC1	283999	→ Plugs, w/Leads (Input Control & Feedback)	1
3		287602	Wrapper w/Insulators (Includes Wrapper and 2 Wrapper Insulators)	1
		274964	Label, Warning General Precautionary (En/Fr/Sp)	1
4	PC6	287396	Circuit Card Assy, Power Supply	1
	PC6	284000	Plugs, w/Leads (Primary Control Power)	1
	PC6	283997	Plugs, w/Leads (Control Power)	1
5	PC7	283956	Circuit Card Assy, Control	1
6	HD1	191941	Transducer, Current 200A Module Supply V +/- 15V	1
	HD1	283840	Cable, LEM	1
7	SR1	288093	Kit, Rectifier Integrated Bridge	1
8		301595	Kit, Multi-Connector Adapter Dinse Style	1
8		301611	Kit, Multi-Connector Adapter Tweco Style	1
8		301637	Kit, Multi-Connector Adapter Camloc Style	1
9	PC8	292351	Circuit Card Assy, Meter	1
10	FM1,FM2	285406	Fan Assy (Includes Fan Bracket and 2 Muffin Fans)	1
11	S1	283829	Switch	1
12		285968	Cable, Power	1
13	D1, D2, D3	223422	Kit, Diode Ultra Fast Recovery	3
		223422	Kit, Diode Ultra Fast Recovery	1
14		285218	Panel, Rear	1
		286624	Cable, USB 2.0 A -A Male 400Cm Panel Mount Ip-67	1
		286625	Cable, Usb Cap Panel-Mount Ip-67	1
15		285224	Bezel, Front	1
16		285220	Base Assembly w/Feet (Includes Base, Base Insulator and 4 Rubber Bumpers)	1
17	L2	294168	Kit, Inductor Output NA486002U - ND170750C	1
17	L2	294011	Inductor, Output ND170750C - ZZ222222C	1
18		286190	↓ Rcpt Assy, Universal Adapter 1/4 Bolted	2
		285485	→ Receptacle, Universal DD .250 Bolted Adapter	1
		285472	→ Insulator, Bulkhead Front Universal DD	1
		250039	→ Insulator, Bulkhead Rear .890 Od	1
		185714	→ Washer, Tooth 22mm Id x 31.5mm Od 1.310-1mmT Intern	1
		185717	→ Nut, M20-1.5 1.00Hex .19H Brs Locking	1
		185718	→ O-Ring, 0.989 Id x 0.070H	1
		188228	→ O-Ring, 0.739 Id x 0.070H	1
19		286698	Bus Bar, Output Insulated	1
		601933	Screw, 250-20X 0.87 HEX HD-PLN GR5 PLD	1
		089800	Nut, 250-20 .44Hex .22H Stl Pld .58D Flange Defor	1
		202984	Washer, Belleville 0.500 OD X 0.255 ID X 0.038 THK	1
		165799	Washer, Flat .257 Id Stl	1
		010381	Connector, Rectifier	1
20	T1	283816	Xfmr, HF Litz E80 Nextgen CST	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

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21	T2	283841	Xfmr, HF Litz E80 Nextgen CST	1
22		283883	Snubber, RC Output Rectifier	1
23	L1	283818	Inductor, Input 120Uh 60A E80 x 20	1
24	R3	283884	Filter, Output and Voltage Feedback	1
25		294684	↓ Kit, Front W/Nameplates Assy CST 282	1
26			→ Label, Nameplate Controls	1
27			→ Label, Nameplate Connection	1
28			→ Panel, Front	1
29	CT1/CT2	286200	CT Bushing Assembly	1
30		283400	Heat Sink, Input Rectifier	1
31		284112	Insulator, Input Rectifier	1
32		283901	Block, Term 85 Amp 3 Pole Screw Term 4-18 Wire	1
33		283402	Heat Sink, Secondary	1
34		283649	Insulator, Output Rectifier CST	1
35	RT1	286525	Thermistor, NTC 30K OHM @ 25 Deg C 1000 In 2500	1
36		286229	Bushing, Snap-In NYL 0.500 ID X 0.750 MTG SPLT CENT	7
		283999	Plugs, w/Leads (Input Control & Feedback)	1
		283840	Cable, LEM	1
		284000	Plugs, w/Leads (Primary Control Power)	1
		283997	Plugs, w/Leads (Control Power)	1

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