



PM- 275099 C

Maxstar 161 S, STL, STH with Auto-Line

Effective with Serial Number
MG440092L - ZZ222222R



PARTS MANUAL



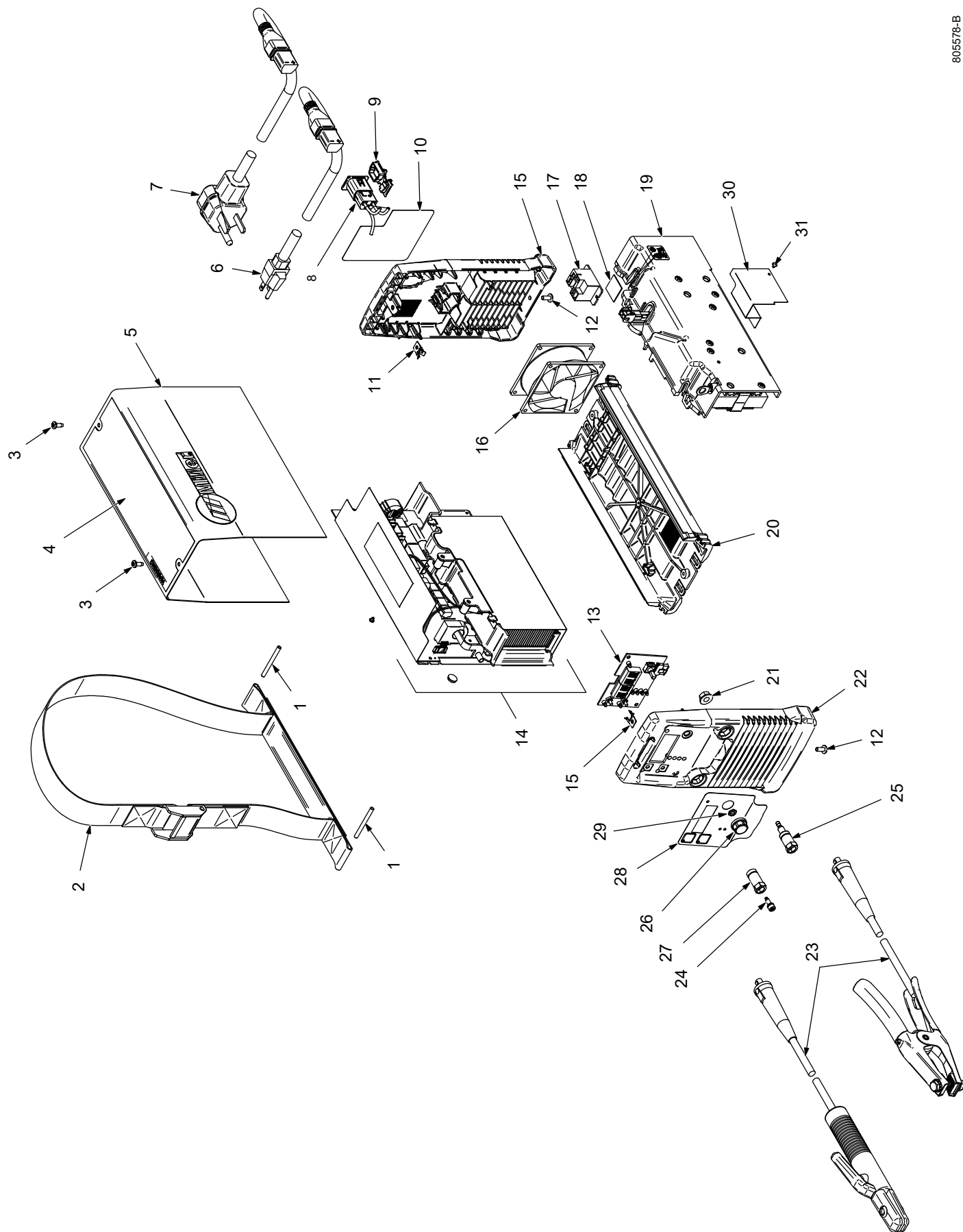
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PARTS MANUAL



Main Assembly

Main Assembly

Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		271799	Pin, Retaining .188 Od x 2.125 Lg	2
2		275817	Strap, Handle/Shoulder Assy	1
3		195666	Screw, 010-32 x 50 Pan Hd-Torx w/Gndrng Stl Pld	2
4		277200	Label, Warning General Precautionary (En/Fr/Sp)	1
5		+ 271784	Wrapper	1
6		278902	Cable, Power 2.0m 14Ga 3c 5-15p (125V/15A) To SDG	1
7		278903	Cable, Power 2.0m 12Ga 3c 6-50p (250V/50A) To SDG	1
8	RC1	274991	Receptacle, SDG 2.5mm Panel Mount Housing w/Leads	1
9		277017	Cover, Receptacle	1
10		275055	Nameplate, Maxstar 161 S (Rear)	1
11		208558	Term, Frict .250 x .032	2
12		208535	Screw, K50 x 12 Rnd Wshr HdTr	2
13	PC2	272651	Circuit Card Assy, User Interface	1
14	PC1	278311	↓ Circuit Card Assy, Windtunnel w/Cmpnts	1
/		+ 271787	→ Insulator, Heat/Sink Wrapper	1
/		221497	→ Bumper, Polyurethane .500 Od x .140 High Adh Backed	1
/		146549	→ Rivet, Plastic 122 Hole x 0.39-0.79 Grip Push	1
/		185836	→ Label, Warn Elect Shock/Explod Parts-Wdles	1
15		274398	Panel, Rear	1
16	FM	271789	Fan, Muffin 24Vdc 92 x 38mm 5400 Rpm	1
17	CR1	206258	Relay, Encl 24 Vdc Spst 30S/24 Vdc 4-Pin Flange Mtg	1
18		275818	Tape, Adh Double Sided 3M VHB .045in. x 1in. Square	1
19		273760	Windtunnel, Magnetics Assy	1
20		271781	Base (Order by Model and Serial Number)	1
21		208497	Nut, M08-1.2 13mmHex 8.3mm T Stl Pld Sem Con Washer	1
22		274397	Panel, Front	1
23		208505	Electrode Holder/Work Clamp w/Bag	1
24		244862	Screw, M5-.8 x 12 Soc Hd - Torx Stl Pld Sems Piloted	1
25	NEG	208612	Rcpt Assy, Tw Lk Power/Gas Female (Neg)	1
26		230052	Knob, .840 Dia x 6mm Id w/Spring Clip - 4.5	1
27	POS	271791	Receptacle, Twist Lock Brass Power Female (Pos)	1
28		273308	Nameplate, Maxstar 161 S	1
29		254151	Nut, M07-.75 10mm Hex 2mm H Stl Pld	1
30		208552	Insulator, Negative Stud	1
31		146549	Rivet, Plastic 122 Hole x 0.39-0.79 Grip Push	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.



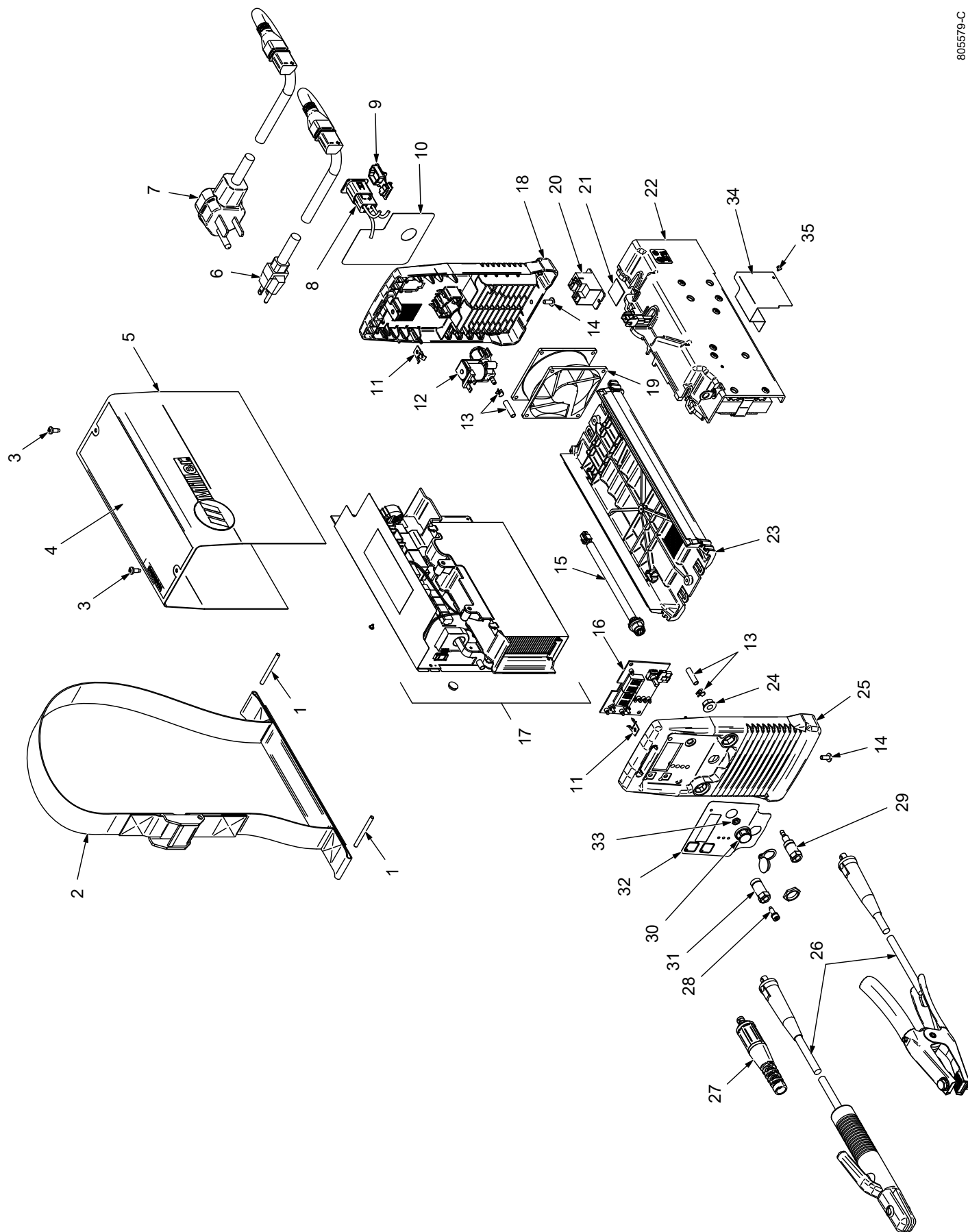
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4		277200	Label, Warning General Precautionary (En/Fr/Sp)	1
5		+ 271784	Wrapper	1
6		278902	Cable, Power 2.0m 14Ga 3c 5-15p (125V/15A) To SDG	1
7		278903	Cable, Power 2.0m 12Ga 3c 6-50p (250V/50A) To SDG	1
8	RC1	274991	Receptacle, SDG 2.5mm Panel Mount Housing w/Leads	1
9		277017	Cover, Receptacle	1
10		275057	Nameplate, Maxstar 161 STL (Rear)	1
11		208558	Term, Frict .250 x .032	2
12		219967	Valve, 14 Vdc 2way .625-18 Thd 2.2mm Orf 90 Psi	1
13		271790	Hose, Poly Clear .170 Id x .250 Od x 11.000in. w/Clamps	1
14		208535	Screw, K50 x 12 Rnd Wshr HdTr	2
15	RG14	288286	Kit, Plug w/Leads (6 Pins)	1
16	PC2	272651	Circuit Card Assy, User Interface	1
17	PC1	278311	↓ Circuit Card Assy, Windtunnel w/Cmpnts	1
/		+ 271787	→ Insulator, Heat/Sink Wrapper	1
/		221497	→ Bumper, Polyurethane .500 Od x .140 High Adh Backed	1
/		146549	→ Rivet, Plastic 122 Hole x 0.39-0.79 Grip Push	1
/		185836	→ Label, Warn Elect Shock/Explod Parts-Wdles	1
18		271783	Panel, Rear	1
19	FM	271789	Fan, Muffin 24Vdc 92 x 38mm 5400 Rpm	1
20	CR1	206258	Relay, Encl 24 Vdc Spst 30S/24 Vdc 4-Pin Flange Mtg	1
21		275818	Tape, Adh Double Sided 3M VHB .045in. x 1in. Square	1
22		273760	Windtunnel, Magnetics Assy	1
23		271781	Base (Order by Model and Serial Number)	1
24		208497	Nut, M08-1.2 13mmHex 8.3mm T Stl Pld Sem Con Washer	1
25		271782	Panel, Front	1
26		208505	Electrode Holder/Work Clamp w/Bag	1
27		273483	Adapter, Torch-Intl Style Flow Thru	1
28		244862	Screw, M5-.8 x 12 Soc Hd - Torx Stl Pld Sems Piloted	1
29	NEG	208612	Rcpt Assy, Tw Lk Power/Gas Female (Neg)	1
30		230052	Knob, .840 Dia x 6mm Id w/Spring Clip - 4.5	1
31	POS	271791	Receptacle, Twist Lock Brass Power Female (Pos)	1
32		273312	Nameplate, Maxstar 161 STL (Front)	1
33		254151	Nut, M07-.75 10mm Hex 2mm H Stl Pld	1
34		208552	Insulator, Negative Stud	1
35		146549	Rivet, Plastic 122 Hole x 0.39-0.79 Grip Push	1

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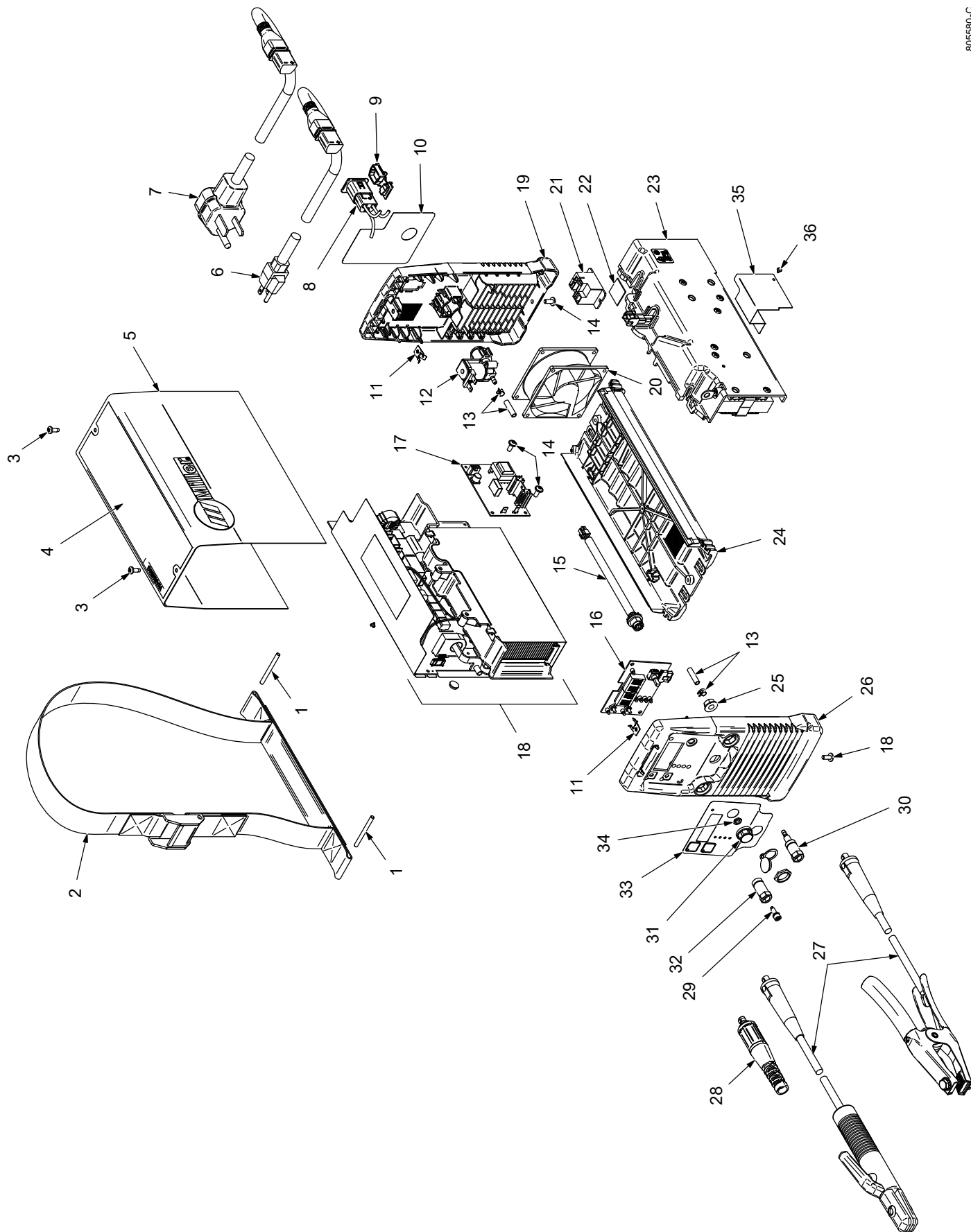
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5		+ 271784	Wrapper	1
6		278902	Cable, Power 2.0m 14Ga 3c 5-15p (125V/15A) To SDG	1
7		278903	Cable, Power 2.0m 12Ga 3c 6-50p (250V/50A) To SDG	1
8	RC1	274991	Receptacle, SDG 2.5mm Panel Mount Housing w/Leads	1
9		277017	Cover, Receptacle	1
10		275059	Nameplate, Maxstar 161 STH (Rear)	1
11		208558	Term, Frict .250 x .032	2
12		219967	Valve, 14 Vdc 2way .625-18 Thd 2.2mm Orf 90 Psi	1
13		271790	Hose, Poly Clear .170 Id x .250 Od x 11.000in. w/Clamps	1
14		208535	Screw, K50 x 12 Rnd Wshr HdTr	4
15	RC14	288286	Kit, Plug w/Leads (6 Pins)	1
16	PC2	272651	Circuit Card Assy, User Interface	1
17	PC4	288491	Circuit Card Assy, Arc Starter	1
18	PC1	278311	↓ Circuit Card Assy, Windtunnel w/Cmpnts	1
/		+ 271787	→ Insulator, Heat/Sink Wrapper	1
/		221497	→ Bumper, Polyurethane .500 Od x .140 High Adh Backed	1
/		146549	→ Rivet, Plastic 122 Hole x 0.39-0.79 Grip Push	1
/		185836	→ Label, Warn Elect Shock/Explod Parts-Wdles	1
19		271783	Panel, Rear	1
20	FM	271789	Fan, Muffin 24Vdc 92 x 38mm 5400 Rpm	1
21		206258	Relay, Encl 24 Vdc Spst 30S/24 Vdc 4-Pin Flange Mtg	1
22		275818	Tape, Adh Double Sided 3M VHB .045in. x 1in. Square	1
23		273761	Windtunnel, Magnetics Assy w/HF	1
24		271781	Base (Order by Model and Serial Number)	1
25		208497	Nut, M08-1.2 13mmHex 8.3mm T Stl Pld Sem Con Washer	1
26		271782	Panel, Front	1
27		208505	Electrode Holder/Work Clamp w/Bag	1
28		273483	Adapter, Torch-Intnl Style Flow Thru	1
29		244862	Screw, M5-.8 x 12 Soc Hd - Torx Stl Pld Sems Piloted	1
30	NEG	208612	Rcpt Assy, Tw Lk Power/Gas Female (Neg)	1
31		230052	Knob, .840 Dia x 6mm Id w/Spring Clip - 4.5	1
32	POS	271791	Receptacle, Twist Lock Brass Power Female (Pos)	1
33		273310	Nameplate, Maxstar 161 STH (Front)	1
34		254151	Nut, M07-.75 10mm Hex 2mm H Stl Pld	1
35		208552	Insulator, Negative Stud	1
36		146549	Rivet, Plastic 122 Hole x 0.39-0.79 Grip Push	1

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