



PM-275099A

2020-09

Processes



Stick (SMAW) Welding



TIG (GTAW) Welding

Description



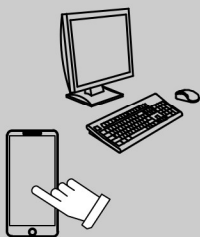
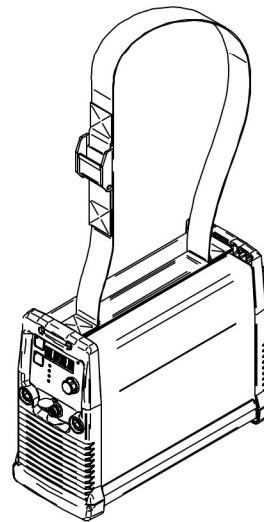
Arc Welding Power Source

Maxstar[®] 161 S

With Auto-Line[™]

Eff w/Serial No.
MG440092L And Following

For OM-275099 Revision A Thru D

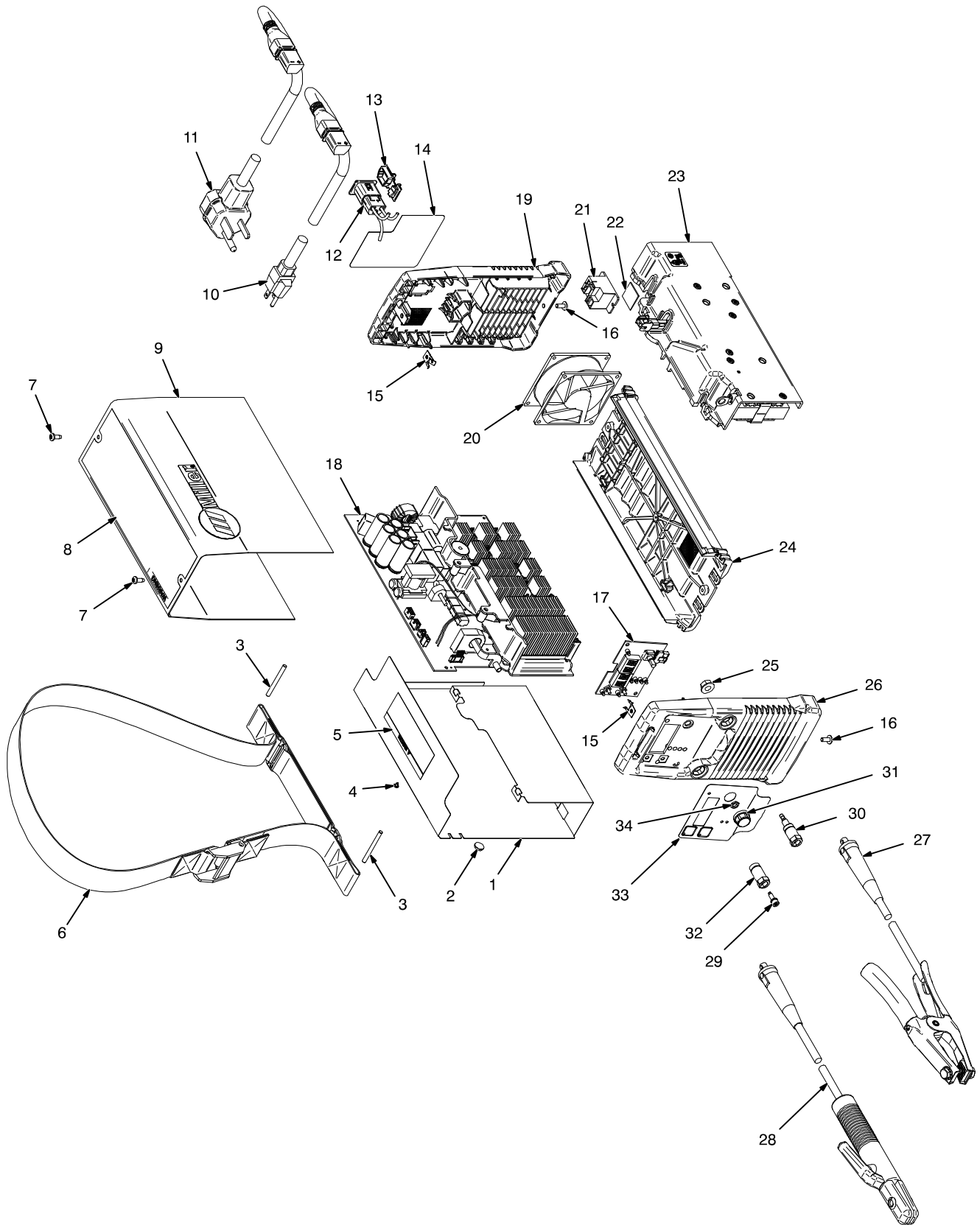


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PARTS MANUAL

SECTION 1 – PARTS LIST FOR S MODELS MG440092L AND FOLLOWING



805578-A

Figure 1-1. Main Assembly

Eff w/Serial No. MG440092L And Following

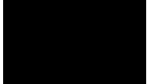
Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 1-1 Main Assembly				
... 1		+271781	Insulator, Heat/Sink Wrapper	1
... 2		221497	Bumper, Polyurethane .500 Od x .140 High Adh Backed	1
... 3		271799	Pin, Retaining .188 Od x 2.125 Lg	2
... 4		146549	Rivet, Plastic .122 Hole x .039-.079 Grip Push	1
... 5		208622	Label, Warn Elect Shock/Explode Parts/Do Not Remove	1
... 6		275817	Strap, Handle/Shoulder Assy	1
... 7		195666	Screw, 010-32 x .50 Pan Hd-Torx w/Gndrng Stl Pld	2
... 8		277200	Label, Warning General Precautionary (En/Fr/Sp)	1
... 9		+271784	Wrapper	1
... 10		278902	Cable, Power 2.0m 14Ga 3c 5-15p (125V/15A) To SDG	1
... 11		278903	Cable, Power 2.0m 12Ga 3c 5-50p (250V/50A) To SDG	1
... 12	RC1	274991	Receptacle, SDG 2.5mm Panel Mount Housing w/Leads	1
... 13		277017	Cover, Receptacle	1
... 14		275055	Nameplate, Maxstar 161 (Rear)	1
... 15		208558	Term, Frict 250 x 032 Uninsul Male 10-32 Mtg 45 Deg	2
... 16		208535	Screw, K50 x 12 Rnd Wshr Hd - Trx Stl Pld Delta Pt	2
... 17	PC2	272651	Circuit Card Assy, User Interface	1
... 18	PC1	278311	Circuit Card Assy, Windtunnel w/Cmpnts	1
... 19		274398	Panel, Rear	1
... 20	FM	271789	Fan, Muffin 24 VDC 92 x 38mm 5400 Rpm	1
... 21		206258	Relay, Encl 24 VDC SPST30S/24 VDC 4-Pin Flange Mtg	1
... 22		275818	Tape, Adh Double Sided 3M VHB .045in. x 1in. Square	1
... 23		273760	Windtunnel, Magnetics Assy w/HF	1
... 24		271781	Base (Order by Model and Serial Number)	1
... 25		208497	Nut, M5-.8 x 12mm Hex 8.3mm T Stl Pld Sem Con Washer	1
... 26		274397	Panel, Front w/HF	1
... 27		208561	Work Clamp, w/Cable & Connector - 10 Ft	1
... 28		208596	Holder, Electrode w/Cable & Connector	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		273308	Nameplate, Maxstar 161	1
... 34		254151	Nut, M07-.75 10mm Hex 2mm H Stl Pld	1

+ When ordering a component originally displaying a precautionary label, the label should also be ordered.

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.

Notes

MATERIAL THICKNESS REFERENCE CHART

	24 Gauge (.025 in)
	22 Gauge (.031 in)
	20 Gauge (.037 in)
	18 Gauge (.050 in)
	16 Gauge (.063 in)
	14 Gauge (.078 in)
	1/8 in (.125 in)
	3/16 in (.188 in)
	1/4 in (.25 in)
	5/16 in (.313 in)
	3/8 in (.375 in)
	1/2 in (.5 in)



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Description



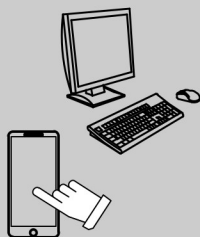
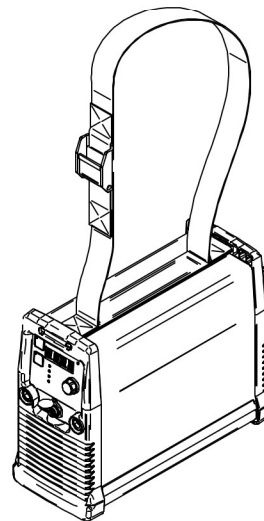
Arc Welding Power Source

Maxstar[®] 161 STL

With Auto-Line[™]

Eff w/Serial No.
MG440092L And Following

For OM-275099 Revision A Thru D

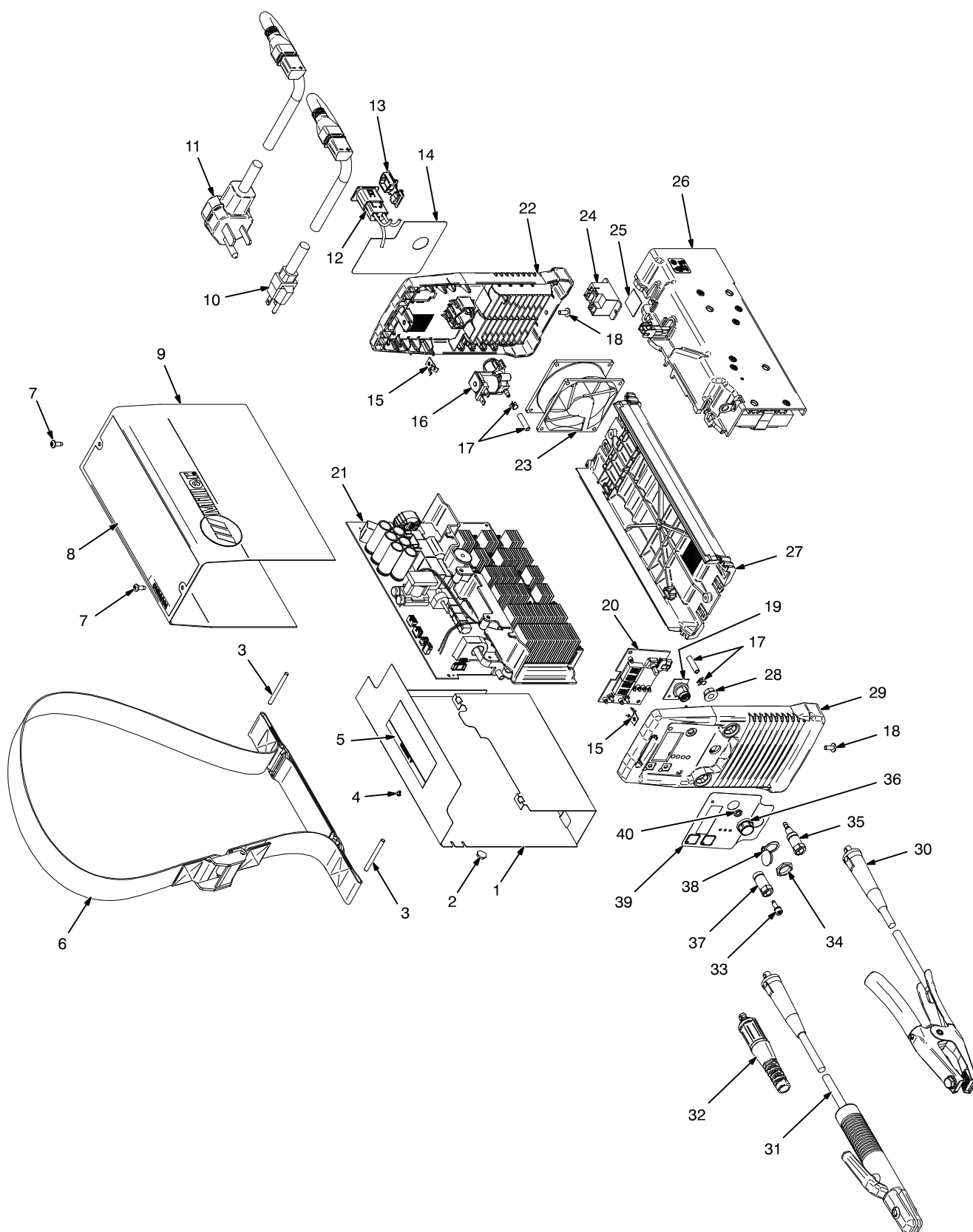


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PARTS MANUAL

SECTION 2 – PARTS LIST FOR STL MODELS MG440092L AND FOLLOWING



805579-A

Figure 2-1. Main Assembly

Eff w/Serial No. MG440092L And Following

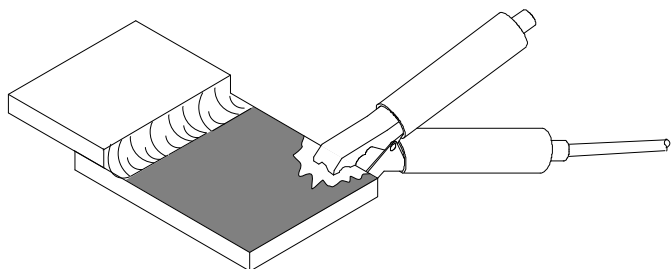
Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 2-1 Main Assembly				
1		+271781	Insulator, Heat/Sink Wrapper	1
2		221497	Bumper, Polyurethane .500 Od x .140 High Adh Backed	1
3		271799	Pin, Retaining .188 Od x 2.125 Lg	2
4		146549	Rivet, Plastic .122 Hole x .039-.079 Grip Push	1
5		208622	Label, Warn Elect Shock/Explod Parts/Do Not Remove	1
6		275817	Strap, Handle/Shoulder Assy	1
7		195666	Screw, 010-32 x .50 Pan Hd-Torx w/Gndrng Stl Pld	2
8		277200	Label, Warning General Precautionary (En/Fr/Sp)	1
9		+271784	Wrapper	1
10		278902	Cable, Power 2.0m 14Ga 3c 5-15p(125V/15A) To SDG	1
11		278903	Cable, Power 2.0m 12Ga 3c 5-50p(250V/50A) To SDG	1
12	RC1	274991	Receptacle, SDG 2.5mm Panel Mount Housing w/Leads	1
13		277017	Cover, Receptacle	1
14		275057	Nameplate, Maxstar 161 (Rear)	1
15		208558	Term, Frict 250 x 032 Uninsul Male 10-32 Mtg 45 Deg	2
16		219967	Valve, 14 VDC 2way .625-18 Thd 2.2mm Orf 90 PSI	1
17		271790	Hose, Poly Clear .170 Id x .250 Od x 11.000in. w/Clamps	1
18		208535	Screw, K50 x 12 Rnd Wshr Hd - Trx Stl Pld Delta Pt	2
19	PC3	274565	Circuit Card Assy, 6 Pin Remote w/Cmpnts	1
20	PC2	272651	Circuit Card Assy, User Interface	1
21	PC1	278311	Circuit Card Assy, Windtunnel w/Cmpnts	1
22		271783	Panel, Rear	1
23	FM	271789	Fan, Muffin 24 VDC 92x38mm 5400 Rpm	1
24		206258	Relay, Encl 24 VDC SPST30S/24 VDC 4-Pin Flange Mtg	1
25		275818	Tape, Adh Double Sided 3M VHB .045in. x 1in. Square	1
26		273760	Windtunnel, Magnetics Assy w/HF	1
27		271781	Base (Order by Model and Serial Number)	1
28		208497	Nut, M5-.8 x 12mm Hex 8.3mm T Stl Pld Sem Con Washer	1
29		271782	Panel, Front	1
30		208561	Work Clamp, w/Cable & Connector - 10 Ft	1
31		208596	Holder, Electrode w/Cable & Connector	1
32		273483	Adapter, Torch-Intl Style Flow Thru	1
33		244862	Screw, M5-.8 x 12 Soc Hd - Torx Stl Pld Sems Piloted	1
34		208588	Nut, .625-27 .81 Hex .14 H Thermoplastic Black	1
35	NEG	208612	Rcpt Assy, Tw Lk Power/Gas Female Neg	1
36		230052	Knob, .840 Dia x 6mm Id w/Spring Clip - 4.5	1
37	POS	271791	Receptacle, Twist Lock Brass Power Female (Pos)	1
38		208589	Cover, Dust Receptacle	1
39		273312	Nameplate, Maxstar 161 (Front)	1
40		254151	Nut, M07-.75 10mm Hex 2mm H Stl Pld	1

+ When ordering a component originally displaying a precautionary label, the label should also be ordered.
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.

Notes

Welding Tip:

Securely connect work clamp to a clean area close to the weld joint.





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Stick (SMAW) Welding



TIG (GTAW) Welding

Description



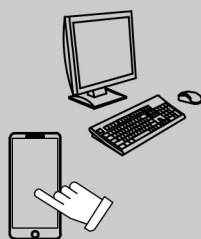
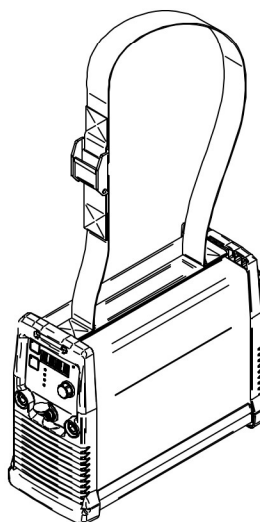
Arc Welding Power Source

Maxstar[®] 161 STH

With Auto-Line[™]

Eff w/Serial No.
MG440092L And Following

For OM-275099 Revision A Thru D



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PARTS MANUAL

SECTION 3 – PARTS LIST FOR STH MODELS MG440092L AND FOLLOWING

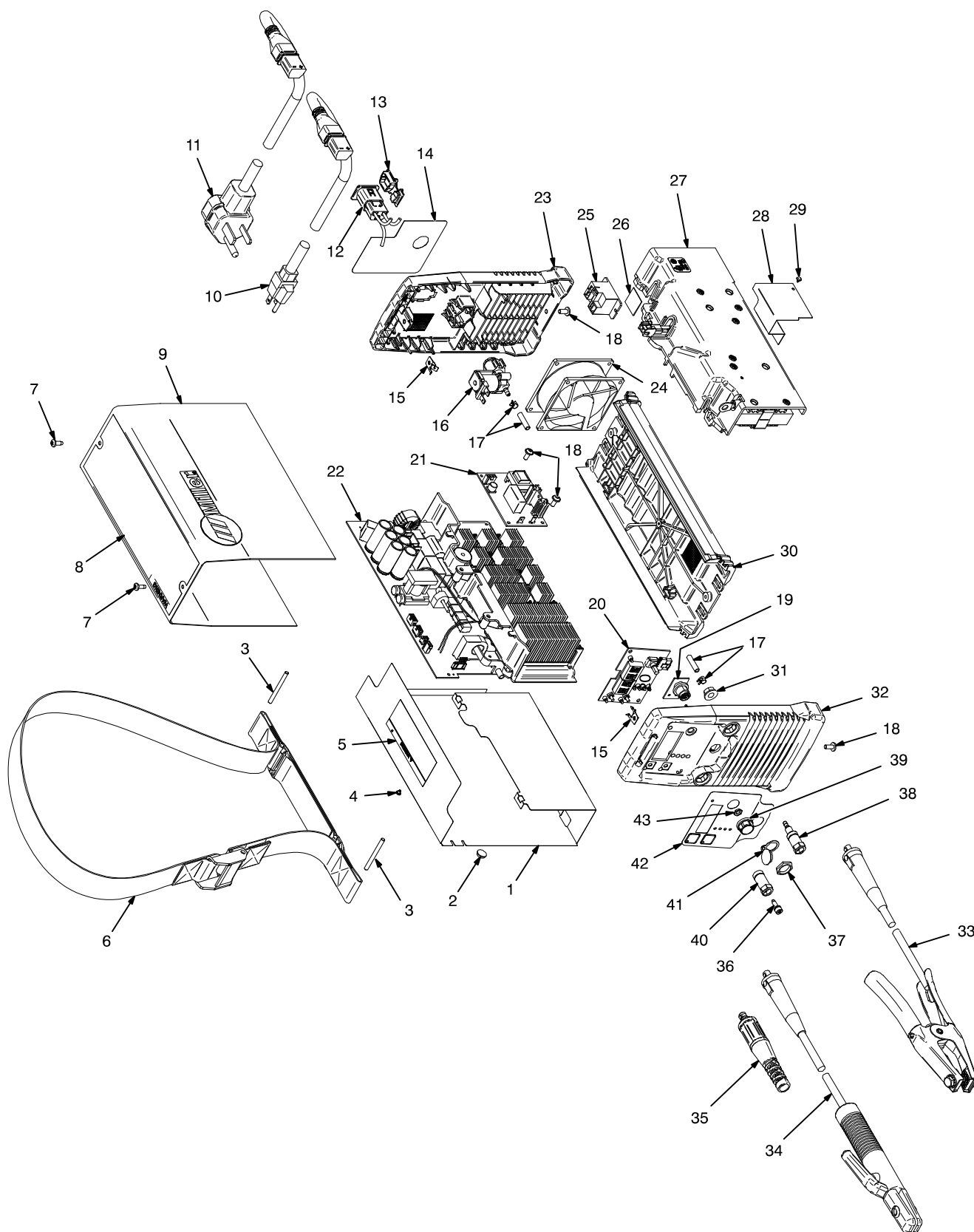


Figure 3-1. Main Assembly

805580-A

Eff w/Serial No. MG440092L And Following

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 3-1. Main Assembly				
1		+271781	Insulator, Heat/Sink Wrapper	1
2		221497	Bumper, Polyurethane .500 Od x .140 High Adh Backed	1
3		271799	Pin, Retaining .188 Od x 2.125 Lg	2
4		146549	Rivet, Plastic .122 Hole x .039-.079 Grip Push	1
5		208622	Label, Warn Elect Shock/Explod Parts/Do Not Remove	1
6		275817	Strap, Handle/Shoulder Assy	1
7		195666	Screw, 010-32 x .50 Pan Hd-Torx w/Gndrng Stl Pld	2
8		277200	Label, Warning General Precautionary (En/Fr/Sp)	1
9		+271784	Wrapper	1
10		278902	Cable, Power 2.0m 14Ga 3c 5-15p (125V/15A) To SDG	1
11		278903	Cable, Power 2.0m 12Ga 3c 5-50p (250V/50A) To SDG	1
12	RC1	274991	Receptacle, SDG 2.5mm Panel Mount Housing w/Leads	1
13		277017	Cover, Receptacle	1
14		275059	Nameplate, Maxstar 161 (Rear)	1
15		208558	Term, Frict .250 x .032 Uninsul Male 10-32 Mtg 45 Deg	2
16		219967	Valve, 14 VDC 2way .625-18 Thd 2.2mm Orf 90 PSI	1
17		271790	Hose, Poly Clear .170 Id x .250 Od x 11.000in. w/Clamps	1
18		208535	Screw, K50x 12 Rnd Wshr Hd - Trx Stl Pld Delta Pt	4
19	PC3	274565	Circuit Card Assy, 6 Pin Remote w/Cmpnts	1
20	PC2	272651	Circuit Card Assy, User Interface	1
21	PC4	228593	Circuit Card Assy, Arc Starter (CE)	1
22	PC1	278311	Circuit Card Assy, Windtunnel w/Cmpnts	1
23		271783	Panel, Rear	1
24	FM	271789	Fan, Muffin 24 VDC 92x38mm 5400 Rpm	1
25		206258	Relay, Encl 24 VDC SPST30S/24 VDC 4-Pin Flange Mtg	1
26		275818	Tape, Adh Double Sided 3M VHB .045in. x 1in. Square	1
27		273761	Windtunnel, Magnetics Assy w/HF	1
28		208552	Insulator, Negative Stud	1
29		146549	Rivet, Plastic .122 Hole x .039-.079 Grip Push	1
30		271781	Base (Order by Model and Serial Number)	1
31		208497	Nut, M5-.8 x 12mm Hex 8.3mm T Stl Pld Sem Con Washer	1
32		271782	Panel, Front	1
33		208561	Work Clamp, w/Cable & Connector - 10 Ft	1
34		208596	Holder, Electrode w/Cable & Connector	1
35		273483	Adapter, Torch-Intnl Style Flow Thru	1
36		244862	Screw, M5-.8 x 12 Soc Hd - Torx Stl Pld Sems Piloted	1
37		208588	Nut, .625-27 .81 Hex .14 H Thermoplastic Black	1
38	NEG	208612	Rcpt Assy, Tw Lk Power/Gas Female Neg	1
39		230052	Knob, .840 Dia x 6mm Id w/Spring Clip - 4.5	1
40	POS	271791	Receptacle, Twist Lock Brass Power Female (Pos)	1
41		208589	Cover, Dust Receptacle	1
42		273310	Nameplate, Maxstar 161 (Front)	1
43		254151	Nut, M07-.75 10mm Hex 2mm H Stl Pld	1

+ When ordering a component originally displaying a precautionary label, the label should also be ordered.

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