



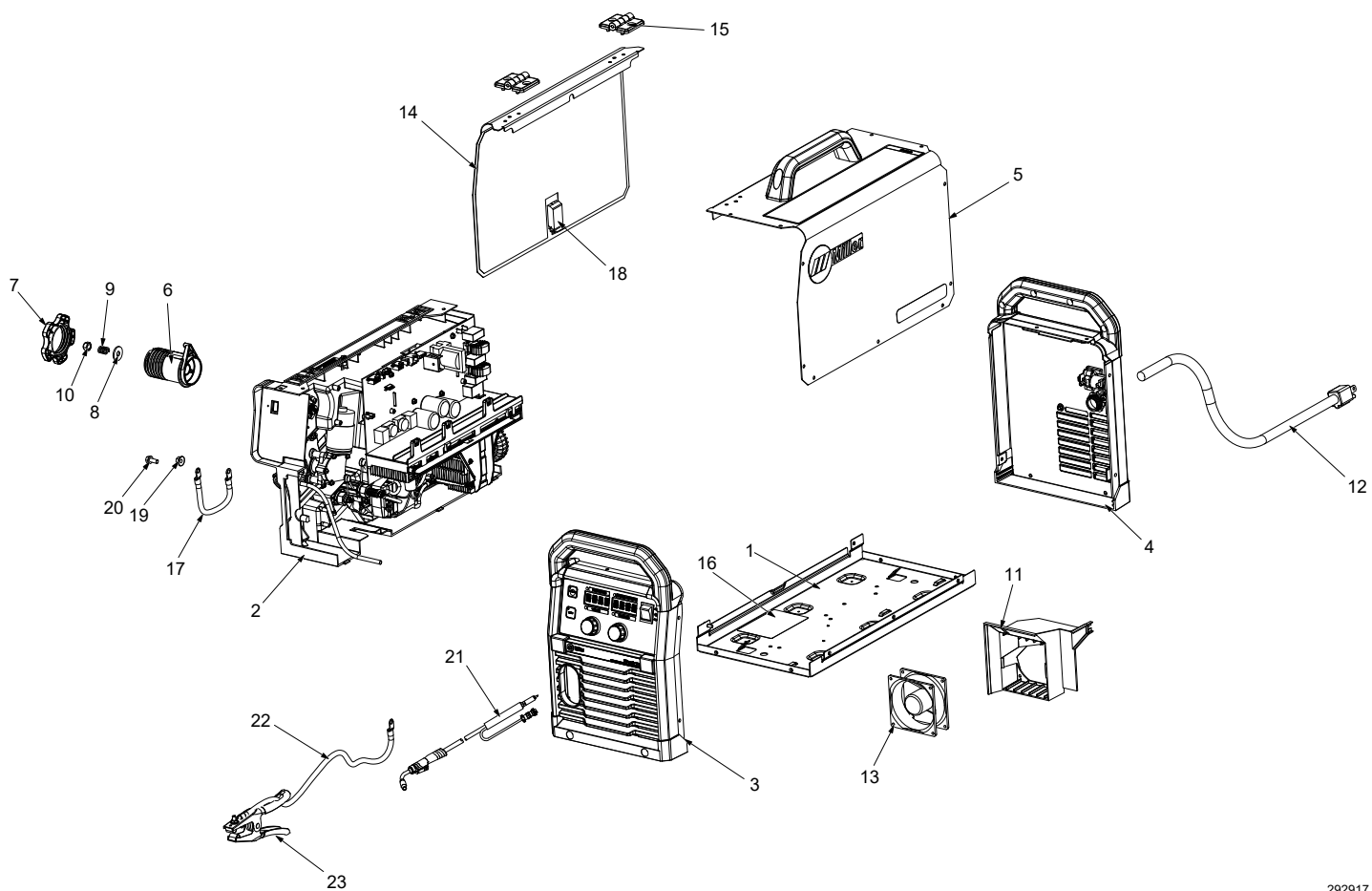
PM- 291596 B

Millermatic 142

Effective with Serial Number
ND161157N - ZZ222222



PARTS MANUAL



292917

Main Assembly

Main Assembly

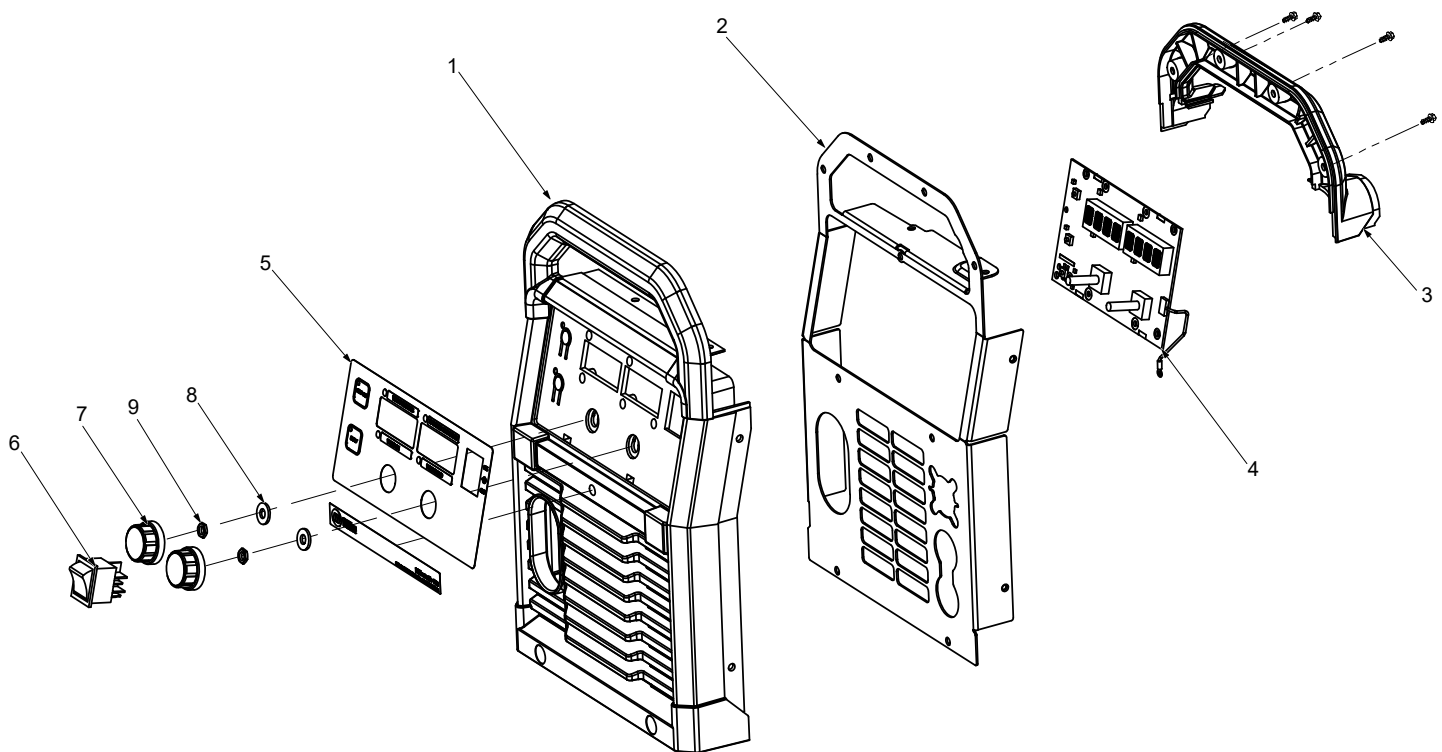
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		289103	Base	1
2		290569	Baffle Assembly	1
		265408	Screw, K50 x 12 Hexwhd Stl Pld Blk Pt Thread Forming	7
3		Front Panel Assembly	(See following subassembly information)	1
4		Rear Panel Assembly	(See following subassembly information)	1
		128237	Screw, 010-32 x .50 Hexwhd 40D Stl Pld Slffmg Tap-Rw	20
5		291603	↓ Kit, Wrapper w/Labels & Handle	1
		289106	→ Wrapper	1
		109844	→ Label, Miller 6.000 x 2.500 Horizontal	1
		291550	→ Lbl, Warning Gnrl Precautionary (En/Sp/Fr)	1
		291230	→ Label, Side Millermatic 142	1
		294927	→ Kit, Handle Small Frame	1
6		265004	Hub, Spool	1
7		280091	Nut, Hub	1
8		203072	Washer, Flat .331 Id x 0.945 Od x .079T Stl Pld	1
		010142	Clamp, Nyl .312 Clamp Dia x .500 Wide .203 Mtg Hole	1
9		225257	Spring, Cprsn .467 Od x .060 Wire x .700 Pld	1
10		204608	Nut, 312-18 .50Hex .34H Stl Pld Elastic Stop Nut	1
11		289689	Bracket, Fan	1
12		290617	Cord Set, 125V 5-15P 14Ga 3/C 7ft 5in	1
13	FM	271789	Fan, Muffin 24Vdc 92 x 38mm 5400 Rpm	1
14		291609	↓ Kit, Door Access	1
		289107	→ Door, Access	1
		291583	→ Label, Quick Reference Guide (P-Chart)	1
		204711	→ Latch, Slide Flush Snap Lock	1
		109844	→ Label, Miller 6.000 x 2.500 Horizontal	1
		291230	→ Label, Side Millermatic 142	1
15		291606	↓ Kit, Hinges	1
		286917	→ Hinge, Plastic	2
		128237	→ Screw, 010-32 x .50 Hexwhd 40D Stl Pld Slffmg Tap-Rw	4
16		293351	Label, Warning Electric Shock And Pinch (En/Fr/Sp)	1
17		196019	Lead Assy, Drive Polarity	2
18		204711	Latch, Slide Flush Snap Lock	1
19		152461	Nut, .250-20 .44Hex .23H Stl Pld Sem Cone Wshr .65D	2
20		053300	Screw, 250-20 x .62 Hex Hd 50d Gr5 Pld Conical Washer	1
21		1770027	MDX-100 Gun 10 ft .030-.035 w/Acculock	1
22		196619	Work Cable, 6 AWG 10 ft	1
23		257796	Clamp, Work 200 Amp	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.



290587

Front Panel Assembly

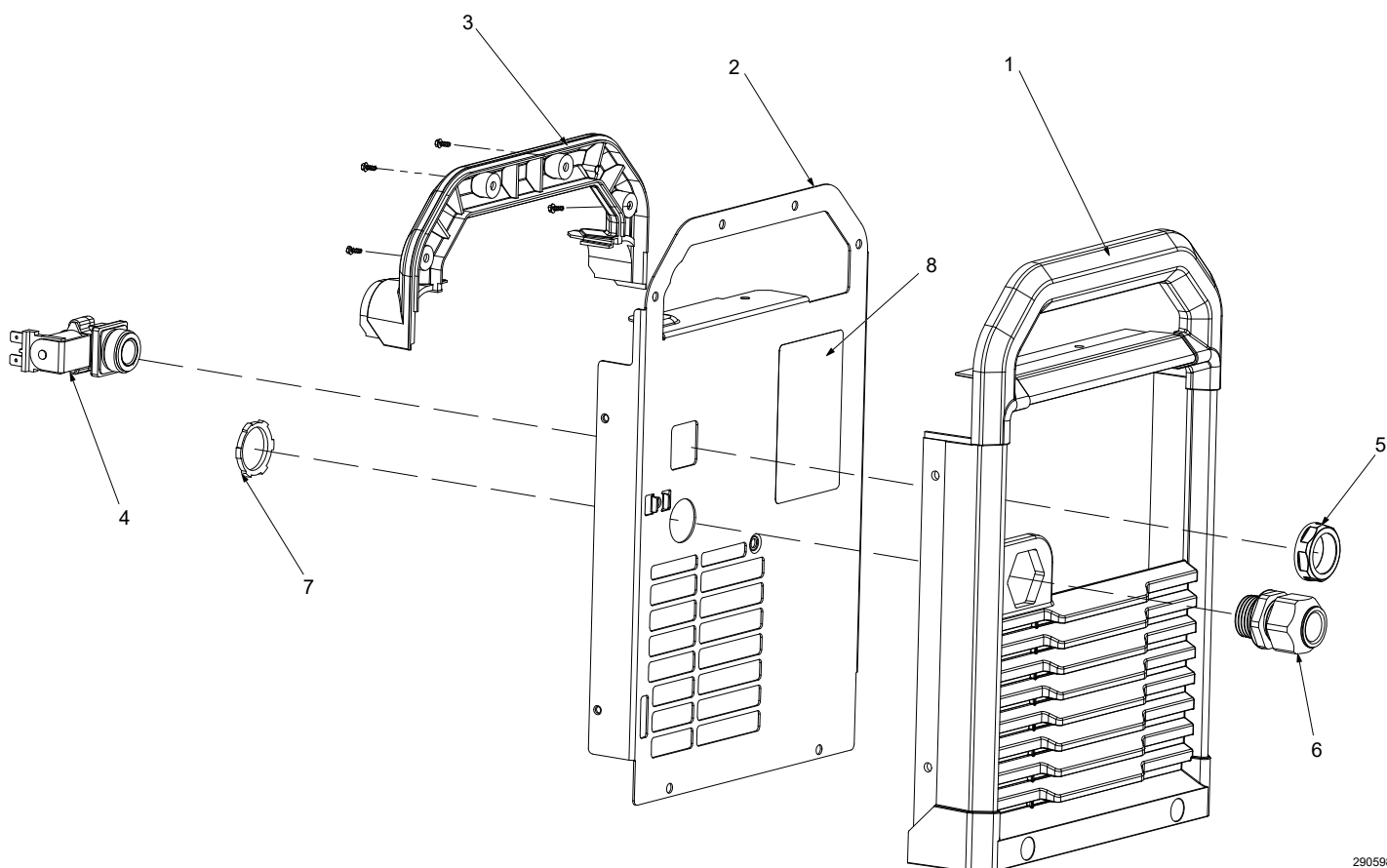
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		289168	Bezel, Front	1
2		289104	Panel, Front	1
3		289170	Bezel, Handle Cover	1
4	PC2	291608	Kit, Millermatic 142 UI Board	1
5			Nameplate/Control Label (Order by Model and Serial No.)	1
6	S1	274191	Switch, Rocker Dpst 20A 250Vac On-Off Balk Panel Mtg	1
7		266591	Knob, Encoder 1.250 Dia x 6mm Id Push On w/Spring	2
8		254153	Washer, Flat .281 Id x 0.500 Od x .031T Stl Pld	2
9		254151	Nut, M07-.75 10mm Hex 2mm H Stl Pld	2
		265408	Screw, K50 x 12 Hexwhd Stl Pld Blk Pt Thread Forming	4
		291636	Harness, Ui Wrg Unit Small Frame 142	1

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Rear Panel Assembly

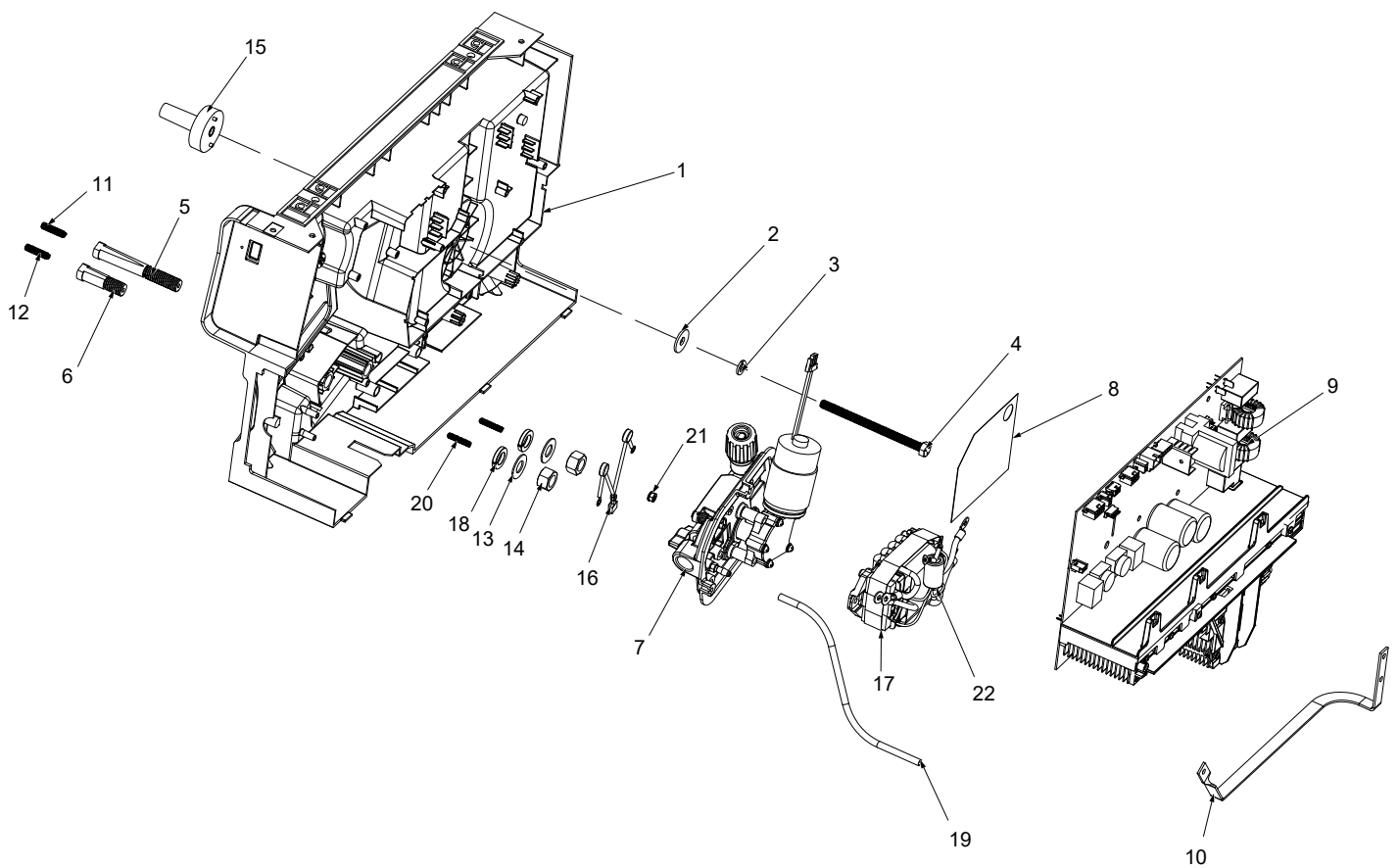
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		289169	Bezel, Rear	1
2		289105	Panel, Rear Millermatic 142/211 Pro	1
3		289170	Bezel, Handle Cover	1
4	GS1	262572	Valve, 24 Vdc 1Way 750-14 Thd 2mm Orf 100Psi	1
5		272186	Nut, .750-14 Nps 1.312Hex .413H Nyl	1
6		269219	Bushing, Strain Relief .435/.705 Id x 1.040 Mtg Hole	1
7		198245	Nut, Conduit .750 Npt Pld 1.388 Od x .150 Thk	1
8			Label, Rating Card (Order by Model and Serial No.)	1
		265408	Screw, K50 x 12 Hexwhd Stl Pld Blk Pt Thread Forming	4

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294915

Baffle Assembly

Baffle Assembly

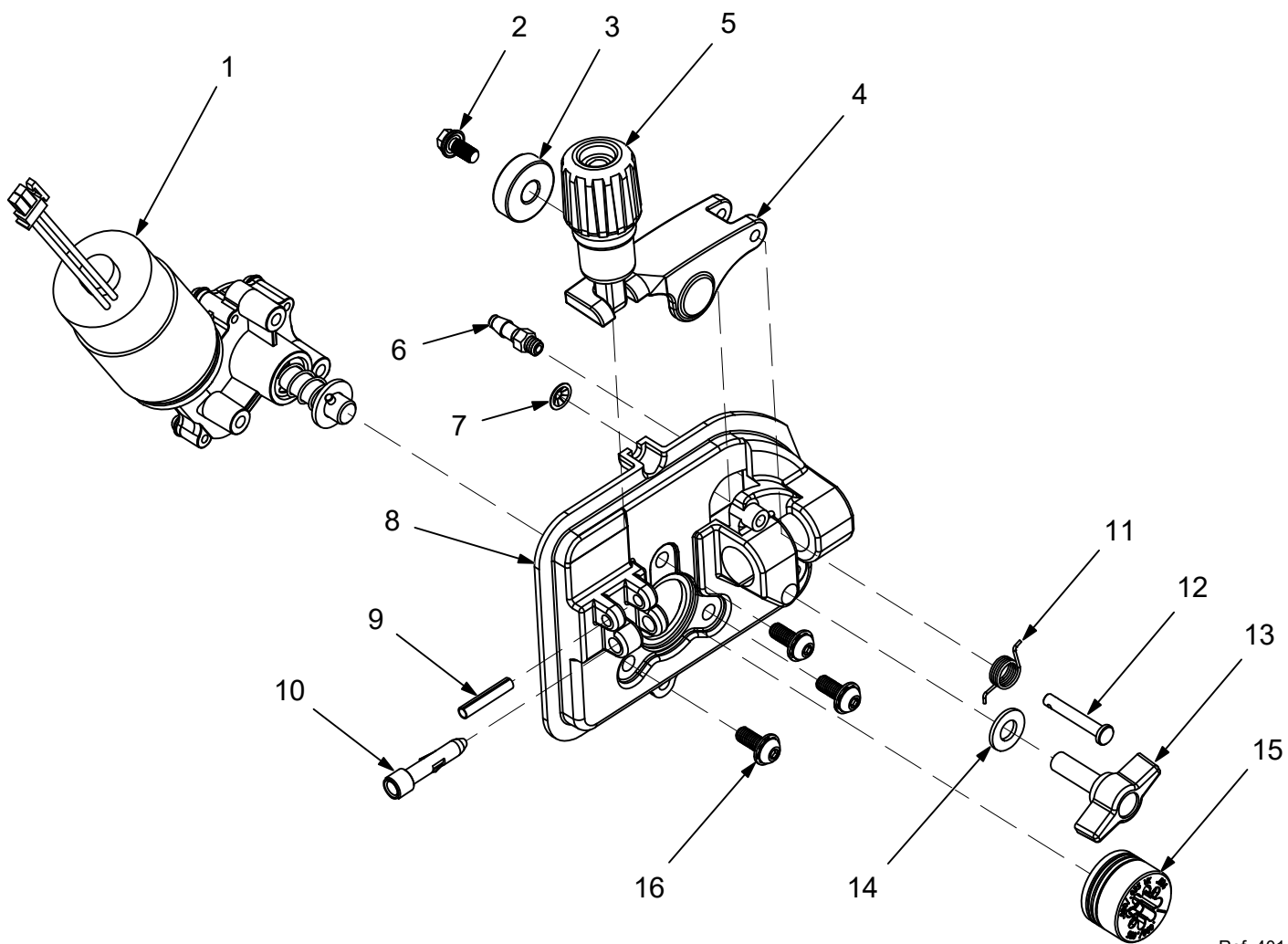
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		289108	Center Baffle Plastic	1
2		203072	Washer, Flat .331 Id x 0.945 Od x .079T Stl Pld	1
3		602211	Washer, Lock .318 Id x 0.586 Od x .078T Stl Pld Split .312	1
4		261463	Screw, .312-18 x 4.50 Hex Hd-pln Stl Gr5 Pld Full	1
5		289141	Stud, Brs Output Male Negative	1
6		289142	Stud, Brs Output Male Positive	1
7		290570	Drive Assembly	1
		265408	Screw, K50 x 12 Hexwhd Stl Pld Blk Pt Thread Forming	13
8		291616	Insulator, Mylar .014 x 3.5 x 4.0	1
9	PC1	278009	Circuit Card Assy, Control	1
10		289159	Bus Bar, Output	1
11		057359	Blank, Snap-In Nyl .375 Mtg Hole Black	1
12		271558	Screw, Set .250-20 x 1.00 Knrlpt Sch	2
13		602247	Washer, Flat .531 Id x 1.062 Od x 0.95T Stl Pld Ansi .500	2
14		601879	Nut, .500-12 .75 Hex .44H Stl Pld	2
15		202726	Adapter, Spool Hub	1
16		290866	Capacitor, With Lead	1
		229327	Screw, M5 - .8 x 12 Hex Hd-Phl 8.8 Pld Sems Clr	6
17	T1	292340	Transformer, 120-240V Small Frame	1
18		602216	Washer, Lock .502 Id x 0.879 Od x .151T Stl Pld Split .500	2
19		269353	Tubing, Gas PVC .187 Id x .312 Od x 20.000 Clear	1
20		293439	Screw, Set 5mm x 25mm Alloy Steel Blk	2
21		293440	Nut, Lock External Tooth 5mm x .8 Steel Zinc Plate	2
22		292292	Core, Ferrite 18.70mm Od x 10.15mm Id x 28.60mm Lg	1
		291635	Harness, Wrg Unit	1

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Ref. 401460

Drive Assembly

Drive Assembly

Item No.	Dia. Mkgs.	Part No.	Description	Qty
1	M1	290571	Motor, Gear 24 Vdc w/Leads Dbl Needle Bearing	1
2		188846	Screw, 10-32 x .50 Hex Hd-Slt Zinc Sqcone Sems	1
3		189915	Bearing, Ball Rdl Sgl Row 9mm x 26mm x 8mm Wide Sh	1
4		290573	Lever Pressure Roll Machined Sims	1
5		221980	↓ Knob, Tension Adjust Assy	1
		234200	→ Spring, Cprsn .696 Od x .086 Wire x 1.500	1
		198080	→ Cup, Spring 185	1
		225718	→ Fastener, Pinned	1
6		263411	Fitting, Barbed Gas	1
7		604393	Nut, .187-00 Speed Design 2 Style	1
8		289151	Housing, Drive (Machined)	1
9		010224	Pin, Spring CS .187 x 1.000	1
10		261151	Guide, Wire Inlet 060	1
11		264715	Spring, Torsion	1
12		293437	Pin, Clevis .1875 Od x 1.25 L Zinc Pld	1
13		222035	Knob, T 1562 Bar w/312-18 Stud 1000 Lg Plstc	1
14		604538	Washer, Flat .344 Id x 0.688 Od x .065T Stl Pld Ansi .312	1
15		261157	Roll, Drive V Groove 024, .030-.035V Wire, .035VK Wire	1
		~ 220179	Roll, Feed 024, 030/035	1
		~ 202926	Roll, Drive VK Groove .030-.035/.045 Wire	1
16		282239	Screw, M6-1 x 16 Button Hd-Soc Stl Pld Zc Sq Cn Sems	3

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