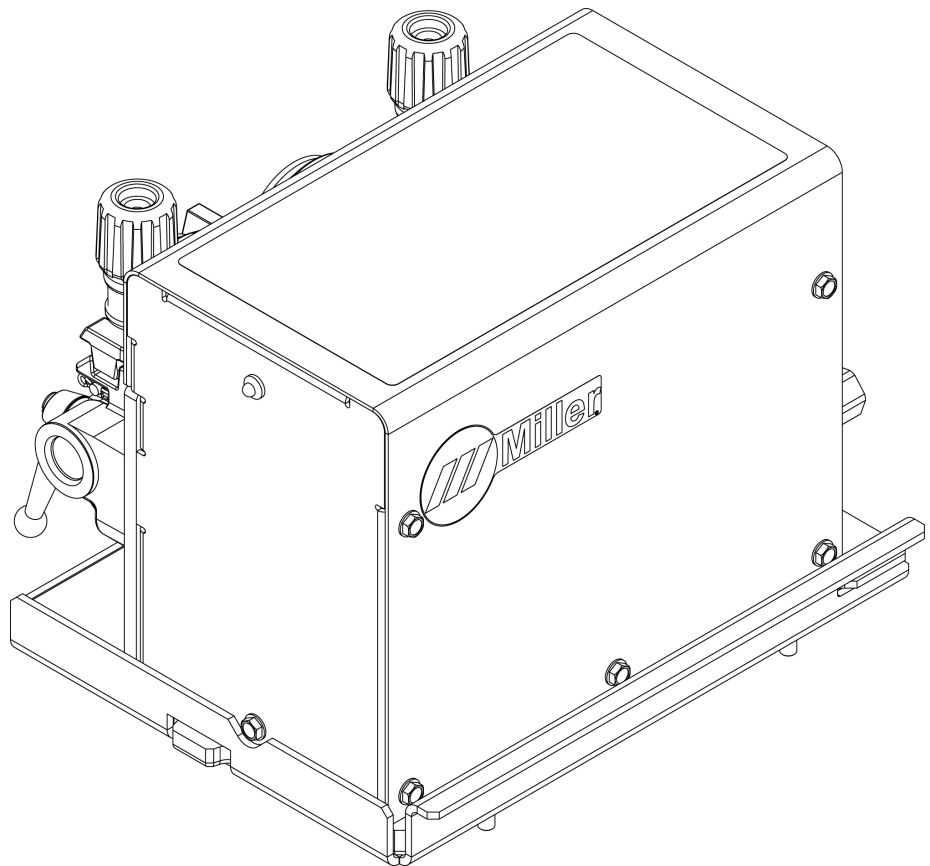




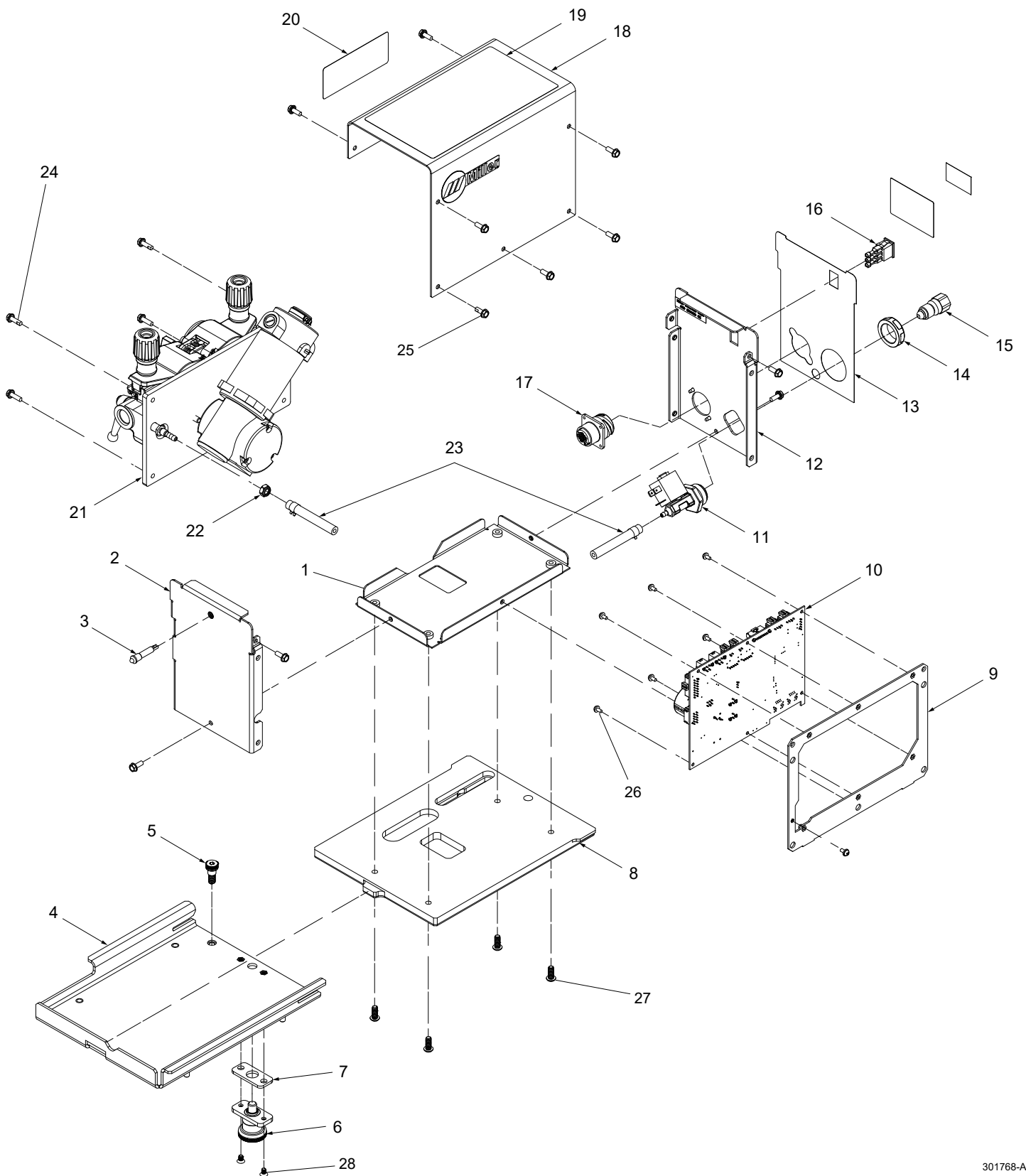
PM- 293535 A

Auto Elite Wire Drive

Effective with Serial Number
NF517105U - ZZ222222R



PARTS MANUAL



301768-A

Auto Elite Wire Drive Assembly

Auto Elite Wire Drive Assembly

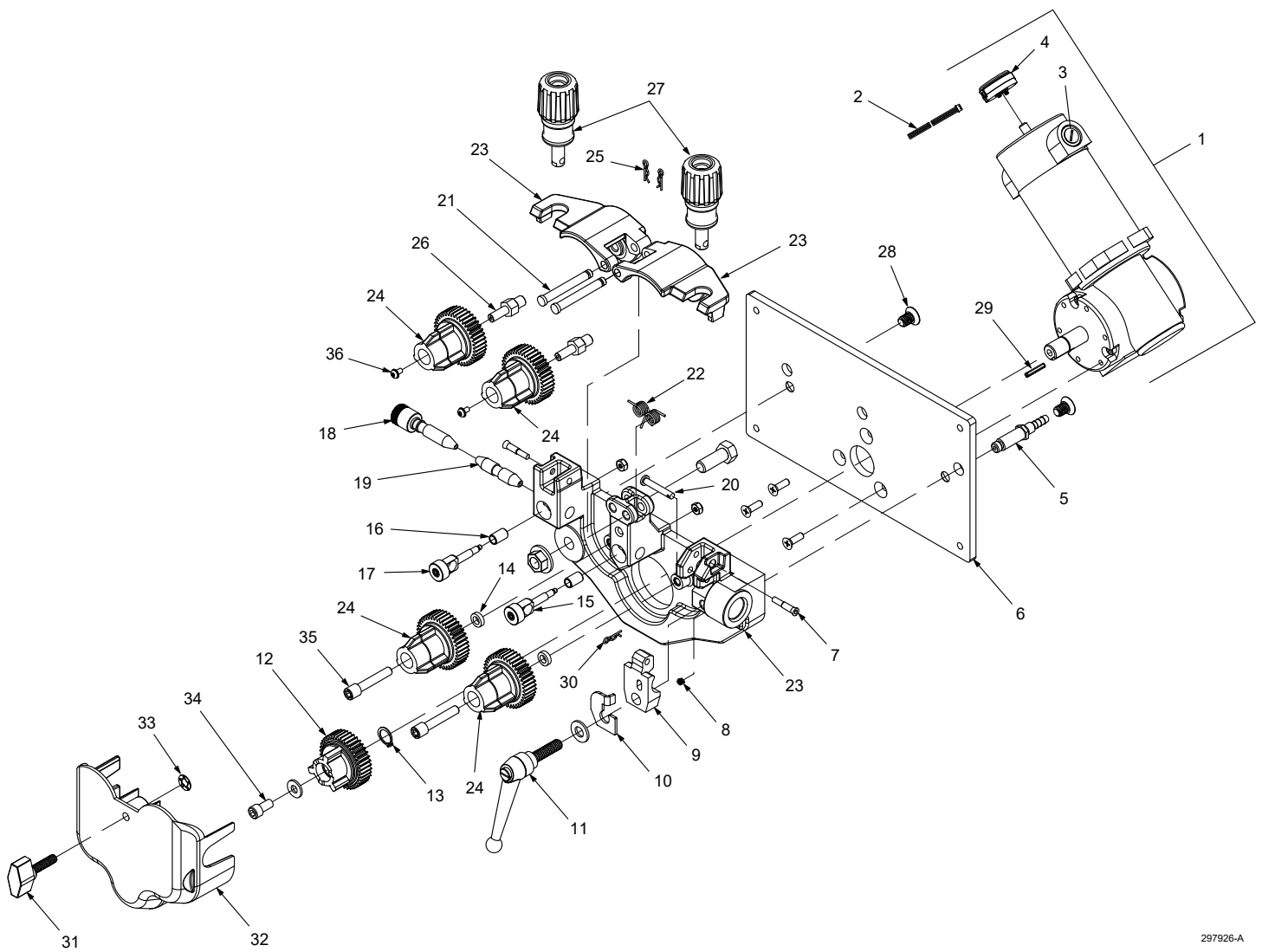
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		297921	Base, Wire Drive	1
2		297922	Panel, Front	1
3	LED6	299453	LED, White 12V 6Ma 1000 Mcd 8mm Panel Mount	1
4		400801	Plate, Quick Disconnect Auto Elite Feeder	1
5		400979	Screw, Shld Stl Sch .312-18 x .375 x .312 Shld	1
6		400985	Pin, Retractable Spring Plunger Plate Mtg	1
7		401101	Plate, Spacer Quick Disconnect	1
8		297935	Plate, Adapter Mtg Drive	1
9		297931	Bracket, Mtg Circuit Board	1
10	PC1	400323	Circuit Card Assy, Motor Ctrl w/Pgrm Auto Elite	1
11	GS1	226819	Valve, 12 Vdc 1Way .750-14 Thd 2mm Orf 100 Psi	1
12		297923	Panel, Rear	1
13		299582	Label, Nameplate Auto Elite Wire Drive Rear	1
14		272186	Nut, .750-14 Nps 1.312Hex .413H Nyl	1
15		211989	Fitting, w/Screen	1
16	PLG1, S4	289235	Harness, Left Jog/Purge	1
17	RC1	297932	Receptacle, w/Leads & Plg 19Pin Ethernet Right Angle	1
18		297924	Wrapper, Wire Drive	1
19		270544	Label, Warning General Precautionary (En/Fr/SP-Sym)	1
20		275806	Label, Warning Hot Surfaces And Moving Parts	1
21		Drive Assembly, Wire - Left Side (See following for subassembly information)		1
22		605525	Nut, 312-24 .45Hex .45H Stl Pld Elastic Stop Nut	1
23		200814	Hose Assy, SAE .187 Id x .410 Od x 17.000 w/Clamps	1
/	PLG5	299454	Plug, w/Leads (Signal LED)	1
/		280006	Plug w/Leads (Gas Valve)	1
/		286419	Jumper, ROI Power Switch	1
/	PLG32	400081	Jumper, Motor ID	1
24		122210	Screw, 010-32 x .62 Hexwhd.40d Stl Pld Siffmg Tap-Rw	4
25		267900	Screw, 010-32 x .50 HexWhd.40D Stl Pld HurHd Tap-Rw	11
26		196013	Screw, 006-32X .31 Pan Hd-Phl Square Cone Sems Blk	7
27		261132	Screw, 250-20X .62 Button Hd-Soc Stl Lkg Patch	4
28		400982	Screw, M5-.8X 8 FlatHd-Torx	2

*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.



297926-A

Wire Drive Assembly

Wire Drive Assembly

Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		400803	↓ Motor Assy, R Angle Rh w/Tach	1
2		261787	→ Plug, w/Cable (Encoder)	1
3		270807	Kit, Brush Replacement Bodine	1
4		401308	Kit, Auto Elite Optical Encoder	1
5		279256	Ftg, Hose Brs Barbed w/Volt Sense Mtg	1
6		297927	Insulator, Motor Mount	1
7		281870	Screw, .010-32 x .94 Flatd-Soc Stl Pld (Customized)	2
8		281784	Spring, Cprsn .180 Od x .018 Wire x .531 Pld	1
9		279259	Clamp, Power Pin	1
10		237188	Lock, Pin Power	1
11		277263	Handle	1
12		172077	Carrier, Drive Roll Keyed 24 Pitch	1
13		605308	Ring, Rtnng Ext .500 Shaft x .035 Thk	1
14		166072	Spacer, Gear	2
15		400008	Button, Lock Guide Intermediate Assy	1
16		279263	Spring, Cprsn .312 Od x .250 Id Rate 5.2 Lbs/In	2
17		298268	Button, Lock Guide Inlet Assy	1
18		221030	Guide, Wire Inlet Anti-Wear One Pc (.023 To 5/64)	1
19		056209	Guide, Wire Intermediate 1/16-5/64	1
20		234073	Pin, Hinge	1
21		279255	Pin, Hinge	2
22		279257	Spring, Torsion	2
23		283916	Housing, Wire Drive w/Front & Rear Lever	1
24		172075	Carrier, Drive Roll w/Components 24 Pitch	4
25		151828	Pin, Cotter Hair .042 x .750	2
26		252238	Stand-Off, Drive Roll Carrier	2
27		252217	Knob Assy, Tension Adjust	2
28		281348	Screw, .312-18 x .50 Flatd-Phl Stl Pld w/Lkg Patch	2
29		092865	Key, Stl .1215/.1230 x .750	1
30		280558	Pin, Cotter Hair .047 x .625 Zinc Pld	1
31		400986	Knob, T 1.125 Bac w/.250 - 20 Stud 1.000 Lg	1
32		297930	Cover, Drive Assembly	1
33		269941	Nut, .250 - 20 Push-On Bolt Retainer	1
34		121271	Screw, 250-20 x .50 Soc Hd-Hex Gr8 Pln Lkg Patch	1
35		273794	Screw, 250-20 x 1.38 Soc Hd-Hex Gr8 Pln	2
36		228562	Screw, 006-32 x .25 Pan Hd-Phl w/Ext Washer (Sems) Stl	2

*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.

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Table 1-1. Drive Roll & Wire Guide Kits (4 Drive Roll)

 Base selection of drive rolls upon the following recommended usages:

1. V-Grooved rolls for hard wire.
2. U-Grooved rolls for soft and soft shelled cored wires.
3. U-Cogged rolls for extremely soft shelled wires (usually hard surfacing types).
4. V-Knurled rolls for hard shelled cored wires.
5. Drive roll types may be mixed to suit particular requirements (example:
V-Knurled roll in combination with U-Grooved).

Wire Diameter			Kit No.	Drive Roll		Wire Guide	
Fraction	Decimal	Metric		Part No.	Type	Inlet	Intermediate
.023/.025 in.	.023/.025 in.	0.6 mm	087132	087130	V-Grooved	056192	056206
.030 in.	.030 in.	0.8 mm	046780	053695	V-Grooved	056192	056206
.035 in.	.035 in.	0.9 mm	046781	053700	V-Grooved	056192	056206
.040 in.	.040 in.	1.0 mm	191917	053696	V-Grooved	056192	056206
.045 in.	.045 in.	1.2 mm	046782	053697	V-Grooved	056193	056207
.052 in.	.052 in.	1.3 mm	046783	053698	V-Grooved	056193	056207
1/16 in.	.062 in.	1.6 mm	046784	053699	V-Grooved	056195	056209
.035 in.	.035 in.	0.9 mm	044750	072000	U-Grooved	056192	056206
.045 in.	.045 in.	1.2 mm	046785	053701	U-Grooved	056193	056207
.052 in.	.052 in.	1.3 mm	046786	053702	U-Grooved	056193	056207
1/16 in.	.062 in.	1.6 mm	046787	053706	U-Grooved	056195	056209
5/64 in.	.079 in.	2.0 mm	046788	053704	U-Grooved	056195	056209
.035 in.	.035 in.	0.9 mm	046792	132958	V-Knurled	056192	056206
.045 in.	.045 in.	1.2 mm	046793	132957	V-Knurled	056193	056207
.052 in.	.052 in.	1.3 mm	046794	132956	V-Knurled	056193	056207
1/16 in.	.062 in.	1.6 mm	046795	132955	V-Knurled	056195	056209
5/64 in.	.079 in.	2.0 mm	046796	132960	V-Knurled	056195	056209
.045 in.	.045 in.	1.2 mm	083319	083489	U-Cogged	056193	056207
1/16 in.	.062 in.	1.6 mm	046800	053708	U-Cogged	056195	056209
5/64 in.	.079 in.	2.0 mm	046801	053710	U-Cogged	056195	056209

Ref. S-0025-D