SERVICE PARTS LIST

BULLETIN NO. 54-38-2605

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS		REVISED BULLETIN	DATE
M18 FUEL™ 3"x18" Belt Sander			Sept. 2026
CATALOG NO. 2832-20	**SERIAL NO. M46A**	WIRING INSTRUCTION **See Page 3**	
NAMEPLATE SPECIFICATIONS:		18 V ⎓ n_0 700 - 1 350 ft/min (SFM)	

EXAMPLE:
Component Parts (Small #)
Are Included When Ordering
The Assembly (Large #).

NOTE
Regarding parts to receive thread locking sealant: Place one to two drops of the 277 Loctite® thread locking sealant (or the equivalent) to the threads of parts shown prior to installation.

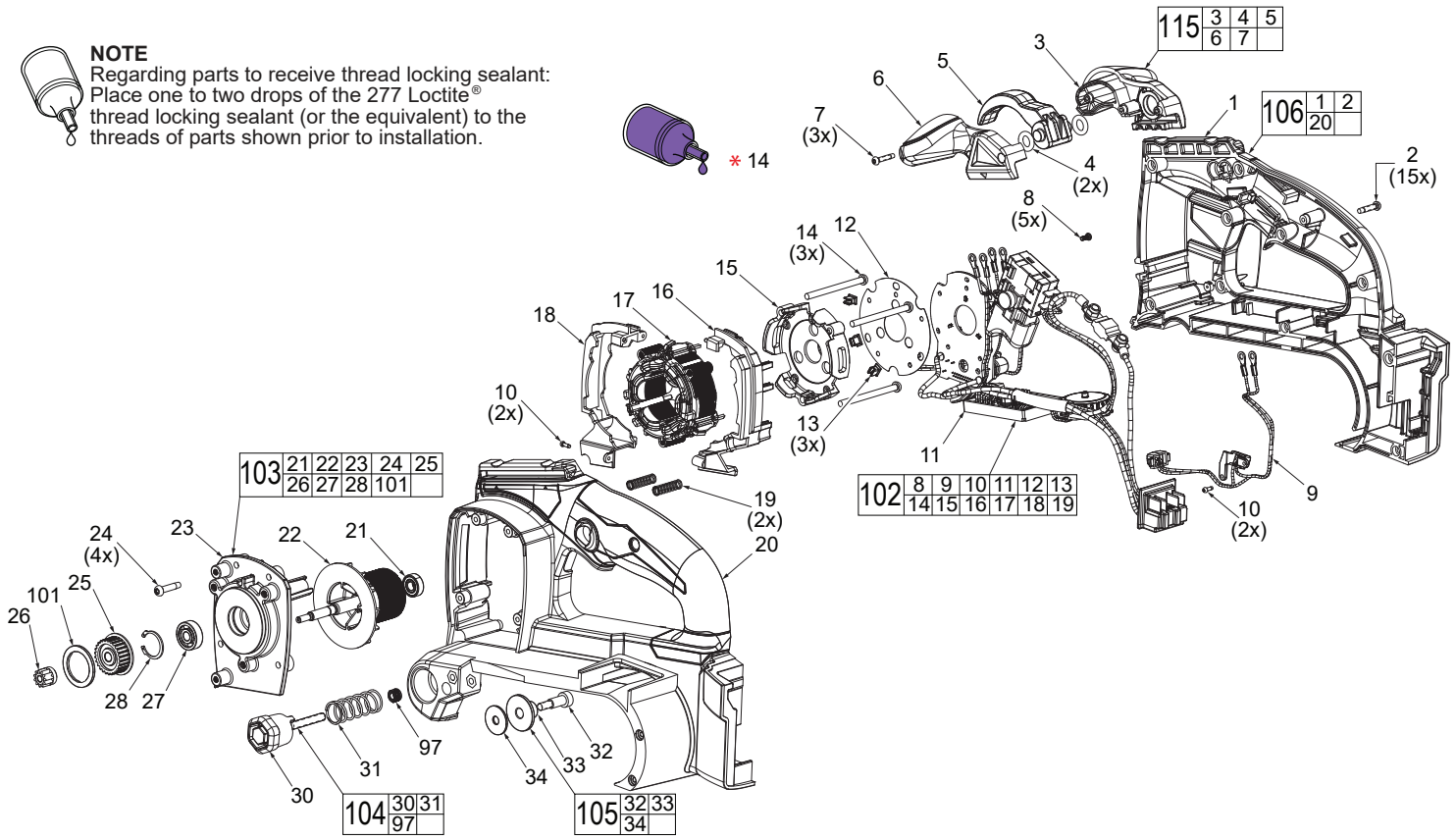


FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
1	----------	Right Handle	(1)
2	06-82-2368	M3.5 x 16 mm Pan Hd. T-10 Screw	(11)
3	----------	Right Pommel	(1)
4	34-40-0248	O-Ring	(2)
5	----------	Pommel Lever	(1)
6	----------	Pommel Handle	(1)
7	06-82-6351	M3 x 16 mm Pan Hd. T-10 ST Screw	(3)
8	05-88-0080	M2.5 x 6 mm Pan Hd. T-10 Machine Screw	(5)
9	----------	LED Light Assembly	(1)
10	06-82-0047	M2 x 6 mm Pan Hd. Phillips Taptite Screw	(4)
11	----------	PCBA	(1)
12	----------	Silicone Pad	(1)
13	----------	Silicone Isolator	(3)
14	05-78-0012	M4 x 52 mm Pan Hd. T-20 Machine Screw	(3)
15	----------	Heat Shrink	(1)
16	----------	Left Baffle	(1)
17	----------	Stator	(1)
18	----------	Right Baffle	(1)
19	40-50-0527	LED Connector Spring	(2)
20	----------	Left Handle	(1)
21	----------	Bearing	(1)

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
22	----------	Rotor	(1)
23	----------	Motor Mount Plate	(1)
24	06-82-0171	M4 x 18 mm Pan Hd. T-20 ST Screw	(4)
25	----------	Fan Pulley	(1)
26	----------	Motor Pinion	(1)
27	----------	Ball Bearing	(1)
28	----------	C-Ring	(1)
30	42-32-0076	Tracking Bolt	(1)
31	----------	Tracking Knob Spring	(1)
32	05-81-0081	M5 x 22 mm Hexagon Socket Mach. Screw	(1)
33	----------	Tracking Roller	(1)
34	45-88-0376	Stamping Washer	(1)
97	05-55-0089	M5 x 5 mm Nylon Nut	(1)
101	----------	Right Flange	(2)
102	14-20-0209	Belt Sander Electronics	(1)
103	16-01-0029	Belt Sander Rotor Sub-Assembly	(1)
104	43-98-0033	Tracking Knob and Screw	(1)
105	30-75-0074	Tracking Roller and Hardware	(1)
106	31-44-0264	Belt Sander Handles	(1)
115	31-44-0198	Belt Sander Pommel Kit	(1)

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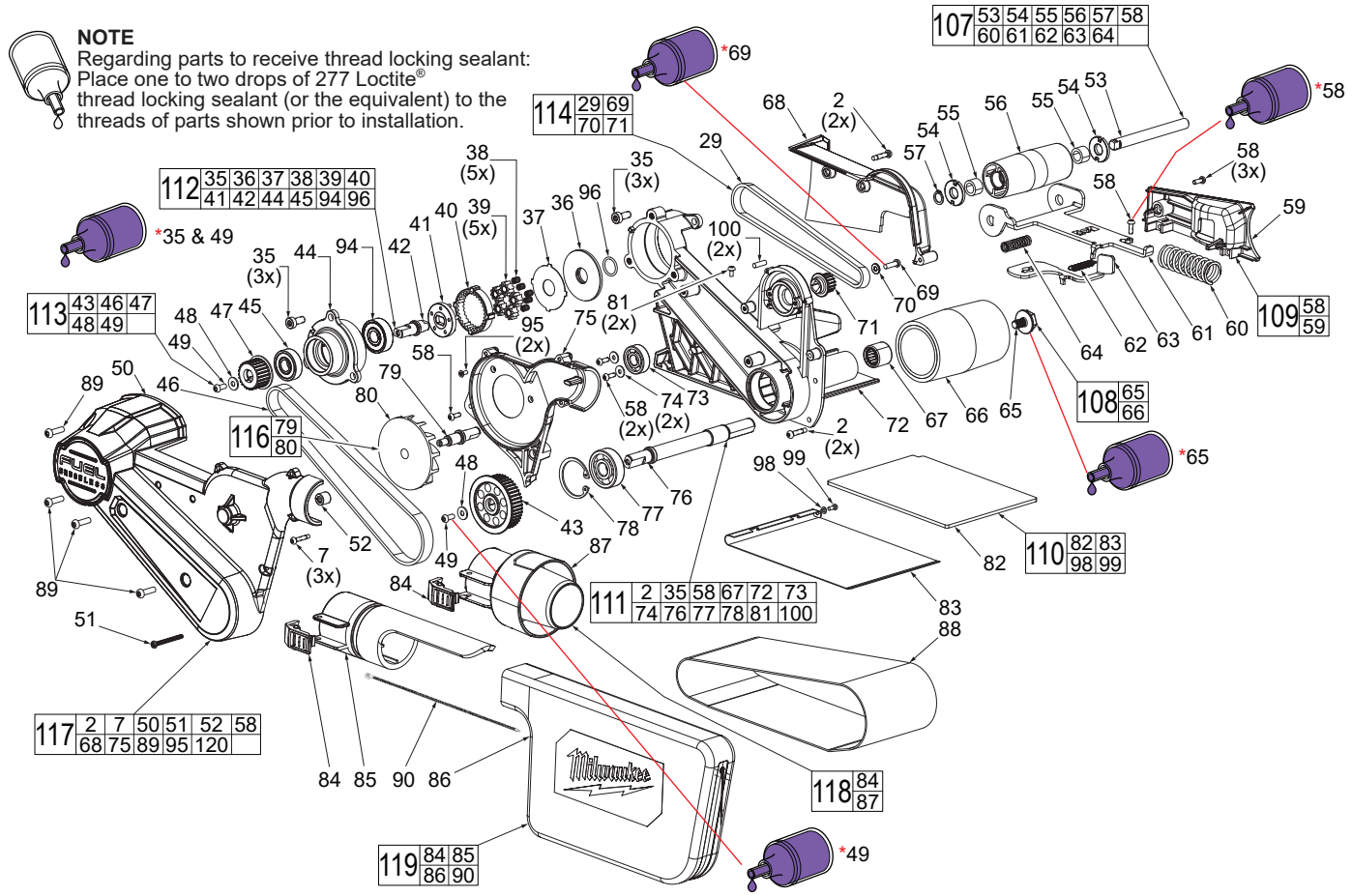
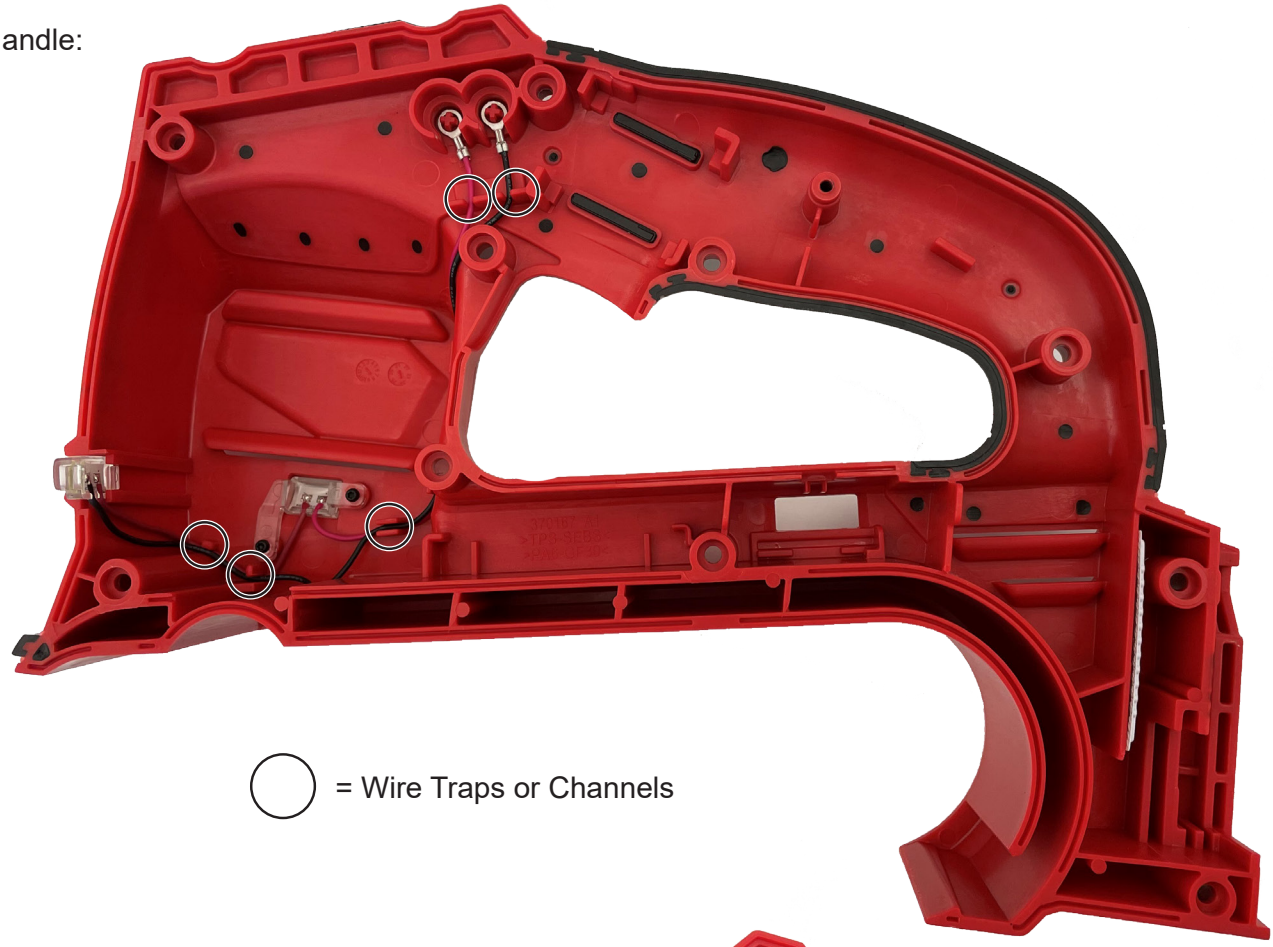


FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
2	06-82-2368	M3.5 x 16 mm Pan Hd. T-10 Screw	(4)
7	06-82-6351	M3 x 16 mm Pan Hd. T-10 ST Screw	(3)
29	42-25-0016	Fan Belt	(1)
35	05-86-0200	M5 x 11 mm CH T-25 Machine Screw	(6)
36	----------	Gearbox Cover	(1)
37	----------	Gearbox Washer	(1)
38	----------	Needle Roller Bearing	(5)
39	----------	1st Plane Gear	(5)
40	----------	Ring Gear	(1)
41	----------	Carrier	(1)
42	----------	Output Shaft	(1)
43	----------	Roller Driven Pulley 45T	(1)
44	----------	Gearbox	(1)
45	----------	Ball Bearing	(1)
46	42-25-0017	Drive Belt	(1)
47	----------	Roller Driven Pulley 24T	(1)
48	45-88-0377	Flat Washer	(2)
49	05-74-0740	M3.5 x 8 mm Pan Hd. T-15 Machine Screw	(2)
50	----------	Fan Drive Belt Cover Assembly	(1)
51	05-74-0403	M3 x 30 mm Pan Hd. T-10 ST Screw	(1)
52	----------	Needle Bearing	(1)
53	----------	Front Roller Shaft	(1)
54	45-88-0172	Thrust Washer	(2)
55	----------	Needle Bearing	(2)
56	----------	Front Roller	(1)
57	----------	C-Ring	(1)
58	05-81-0015	M3 x 8.5 mm Pan Hd. T-10 Machine Screw	(7)
59	----------	Tensioner Cover	(1)
60	----------	Tension Spring	(1)
61	----------	Tension Bracket	(1)
62	----------	Lever Return Spring	(1)
63	----------	Tension Lever	(1)
64	----------	Tracking Spring	(1)
65	06-75-1275	Blade Bolt	(1)
66	----------	Drive Roller Assembly	(1)
67	----------	Needle Bearing	(1)
68	----------	Fan Belt Cover	(1)
69	05-81-0086	M3.5 x 12 mm Pan Hd. T-15 Machine Screw	(1)
70	45-88-0173	Stamping Washer	(1)

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
71	----------	Fan Driven Pulley 16T	(1)
72	----------	Frame	(1)
73	----------	Ball Bearing	(1)
74	45-88-0174	Flat Washer	(2)
75	----------	Fan Housing	(1)
76	----------	Drive Shaft	(1)
77	----------	Ball Bearing	(1)
78	44-90-0048	Retaining Ring	(1)
79	----------	Fan Shaft	(1)
80	----------	Dust Fan	(1)
81	05-81-0076	M2.5 x 5 mm Pan Hd. T-10 Machine Screw	(2)
82	----------	Platen Cork	(1)
83	----------	Platen	(1)
84	----------	Dust Extractor Latch	(2)
85	----------	Dust Bag Arm	(1)
86	----------	Dust Bag	(1)
87	----------	Universal Vacuum Adaptor	(1)
88	----------	Sandpaper	(1)
89	05-81-1221	M4 x 14 mm Pan Hd. T-20 Machine Screw	(4)
90	----------	Nylon Cable Tie	(1)
94	----------	Ball Bearing	(1)
95	05-81-0088	M2.5 x 6 mm FH T-8 Machine Screw	(2)
96	----------	O-Ring	(1)
98	45-88-0179	Spring Washer	(1)
99	05-81-0089	M2.5 x 6 mm Pan Hd. T-8 Machine Screw	(1)
100	06-65-0076	Pin	(2)
107	44-96-0011	Front Roller Sub-Assembly	(1)
108	44-96-0012	Rear Roller Sub-Assembly	(1)
109	22-68-0027	Tension Cover Sub-Assembly	(1)
110	44-66-0163	Platen Sub-Assembly	(1)
111	31-01-0197	Frame and Bearing Sub-Assembly	(1)
112	42-92-0089	Gearbox Sub-Assembly	(1)
113	42-25-0013	Drive Belt Sub-Assembly	(1)
114	28-90-0016	Fan Driven Pulley Sub-Assembly	(1)
116	22-84-0011	Fan Sub-Assembly	(1)
117	31-15-0231	Fan Cover Sub-Assembly	(1)
118	43-76-0135	Vacuum Adaptor Assembly	(1)
119	42-16-0014	Dust Bag Kit	(1)
120	12-20-0298	Service Nameplate (Not Shown)	(1)

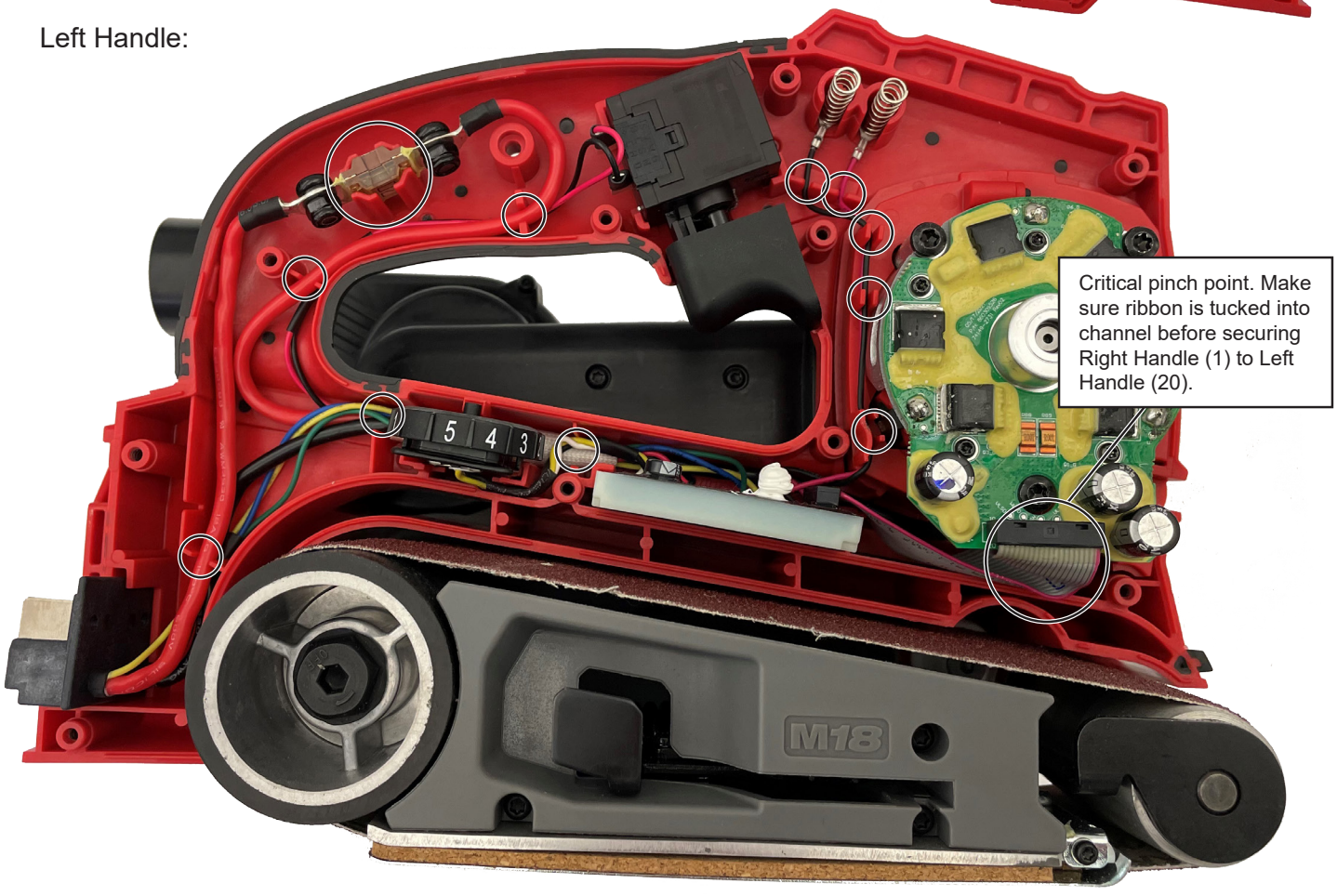
WIRING INSTRUCTIONS

Right Handle:



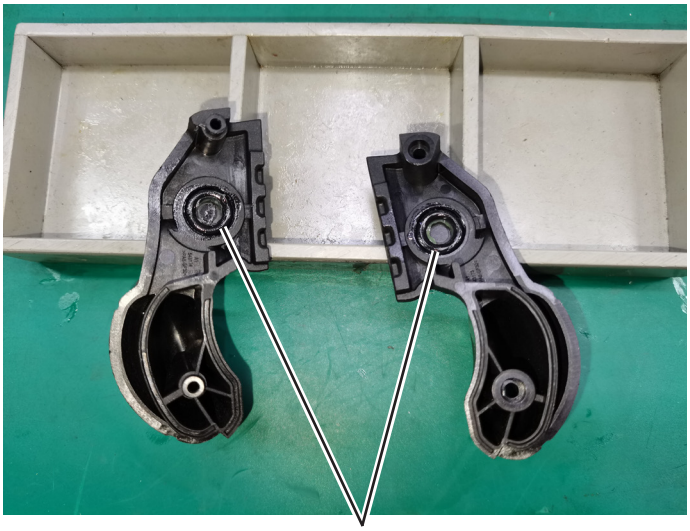
= Wire Traps or Channels

Left Handle:



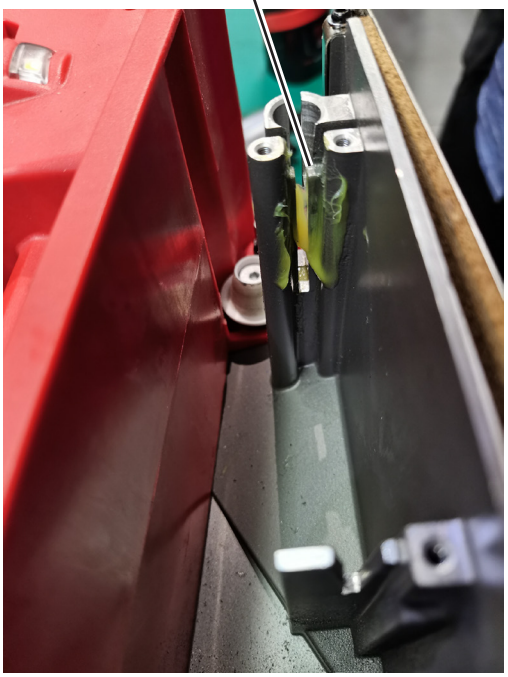
Critical pinch point. Make sure ribbon is tucked into channel before securing Right Handle (1) to Left Handle (20).

LUBRICATION INSTRUCTIONS

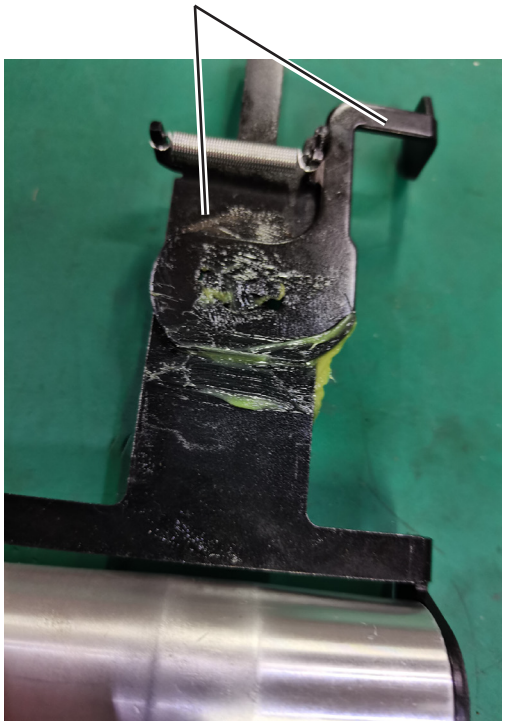


Apply 0.1 g of Type "J" grease (49-08-4175) to both O-Rings (4)

Apply 0.2 g of Type "J" grease (49-08-4175) to the frame



Apply 0.2 g of Type "J" grease (49-08-4175) to tension bracket and tension lever



SCREW TORQUE SPECIFICATIONS				
FIG.	PART NO.	WHERE USED	SEAT TORQUE	
			kgf-cm	lb-in
2	06-82-2368	Right Handle	9-12	8-10
7	06-82-6351	Pommel Handle	7-9	6-8
7	06-82-6351	Fan Housing	6-10	5-9
8	05-88-0080	PCBA	2.5-3.5	2-3
10	06-82-0047	LED Light Assembly	0.7-1.8	1-2
10	06-82-0047	Right Handle	0.7-1.5	1
14	05-78-0012	Stator	16-20	14-17
24	06-82-0171	Motor Mount Plate	20-24	17-21
30	42-32-0076	Tracking Knob Spring	14-16	12-14
32	05-81-0081	Tracking Roller	20-24	17-21
35	05-86-0200	Frame, Gearbox	20-24	17-21
49	05-74-0740	Drive Shaft	20-24	17-21
51	05-74-0403	Fan Drive Belt Cover Assembly	7-9	6-8
58	05-81-0015	Fan Housing	2-4	2-3
58	05-81-0015	Tensioner Cover	2-4	2-3
58	05-81-0015	Tension Bracket	3-5	3-4
58	05-81-0015	Ball Bearing	9-11	8-10
65	06-75-1275	Drive Roller Assembly	20-24	17-21
69	05-81-0086	Fan Driven Pulley	16-20	14-17
81	05-81-0076	Platen	4-6	3-5
89	05-81-1221	Drive Belt Cover	13-17	11-15
95	05-81-0088	Fan Housing	3-5	3-4
99	05-81-0089	Platen	5-6	4-5