



SERVICE PARTS LIST

BULLETIN NO.
54-40-0020

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS

REVISED BULLETIN

DATE

M18 FUEL 14" Abrasive Chop Saw

Feb. 2021

CATALOG NO. 2990-20

STARTING
SERIAL

L08A

WIRING INSTRUCTION

See Page 6

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EXAMPLE:

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

Lubrication instructions are on page 4.

Fastener torque specification chart is on page 5.

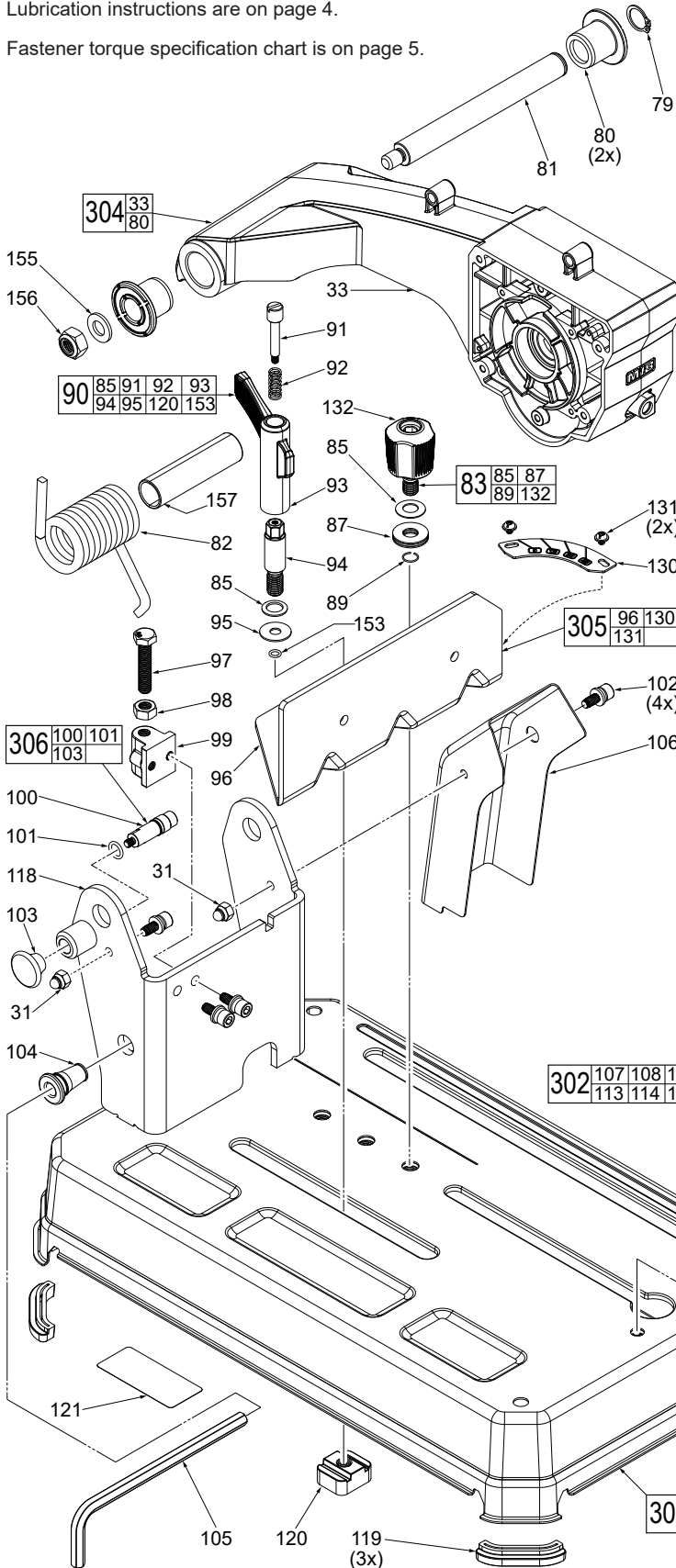


FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
31	45-80-0081	Nylon Lock Nut	(2)
33	-----	Upper Arm	(1)
79	34-60-0118	Retaining Ring	(1)
80	-----	Pivot Sleeve	(2)
81	44-64-0018	Pivot Shaft	(1)
82	40-50-0443	Pivot Torsion Spring	(1)
83	44-64-0021	Pivot Bolt Service Kit	(1)
85	45-88-0501	Conical Spring Washer	(2)
87	-----	Needle Bearing	(1)
89	-----	Snap Ring	(1)
90	44-10-0109	Quick Release Service Kit	(1)
91	-----	Quick Release Pin	(1)
92	-----	Quick Release Spring	(1)
93	-----	Quick Release Lever	(1)
94	-----	Quick Release Stud	(1)
95	45-88-0373	Flat Washer	(1)
96	-----	Rear Vise	(1)
97	05-85-0021	M8 x 30mm Hex Hd. Screw	(1)
98	05-55-0132	Hex Nut	(1)
99	42-30-0026	Stopper Body	(1)
100	-----	Lock Down Pin	(1)
101	-----	O-Ring	(1)
102	05-70-0017	M6 x 16mm Skt. Hd. Sems Hex Recess Scr.	(4)
103	-----	Lock Button	(1)
104	43-72-0042	Hex Key Holder	(1)
105	49-96-0081	8mm Hex Key	(1)
106	31-05-0039	Spark Deflector	(1)
107	05-55-0133	M8 Nylon Lock Nut	(1)
108	45-88-0374	Flat Washer	(1)
109	45-84-0122	Clamp Fence	(1)
111	44-40-0171	Vise Shaft	(1)
112	45-88-0502	Flat Washer	(2)
113	05-55-0134	Release Block	(1)
114	45-84-0013	Screw Bar Assembly	(1)
115	05-70-0018	M8 x 20mm Hex Hd. Sems Screw	(2)
116	06-65-0142	Spring Pin	(1)
117	45-07-0015	Vise Mount	(1)
118	-----	Base	(1)
119	44-52-0097	Rubber Foot	(3)
120	05-55-0136	M10 T-Nut Block	(1)
121	10-20-4536	Warning Label	(1)
130	43-82-0014	Adjustable Scale	(1)
131	05-70-0019	M4 x 5mm Pan Hd. Sems T-20 Screw	(2)
132	-----	Knob Assembly	(1)
140	34-60-0119	Retaining Ring	(1)
153	34-40-0293	O-Ring	(1)
155	45-88-0375	Flat Washer	(1)
156	05-55-0137	Hex Nut	(1)
157	42-76-0153	Sleeve	(1)
302	45-84-0019	Vise Assembly Service Kit	(1)
304	28-50-0071	Upper Arm Assembly Service Kit	(1)
305	45-84-0021	Rear Vise Service Assembly	(1)
306	14-46-0206	Lock Down Service Kit	(1)
308	31-06-0022	Base Assembly	(1)

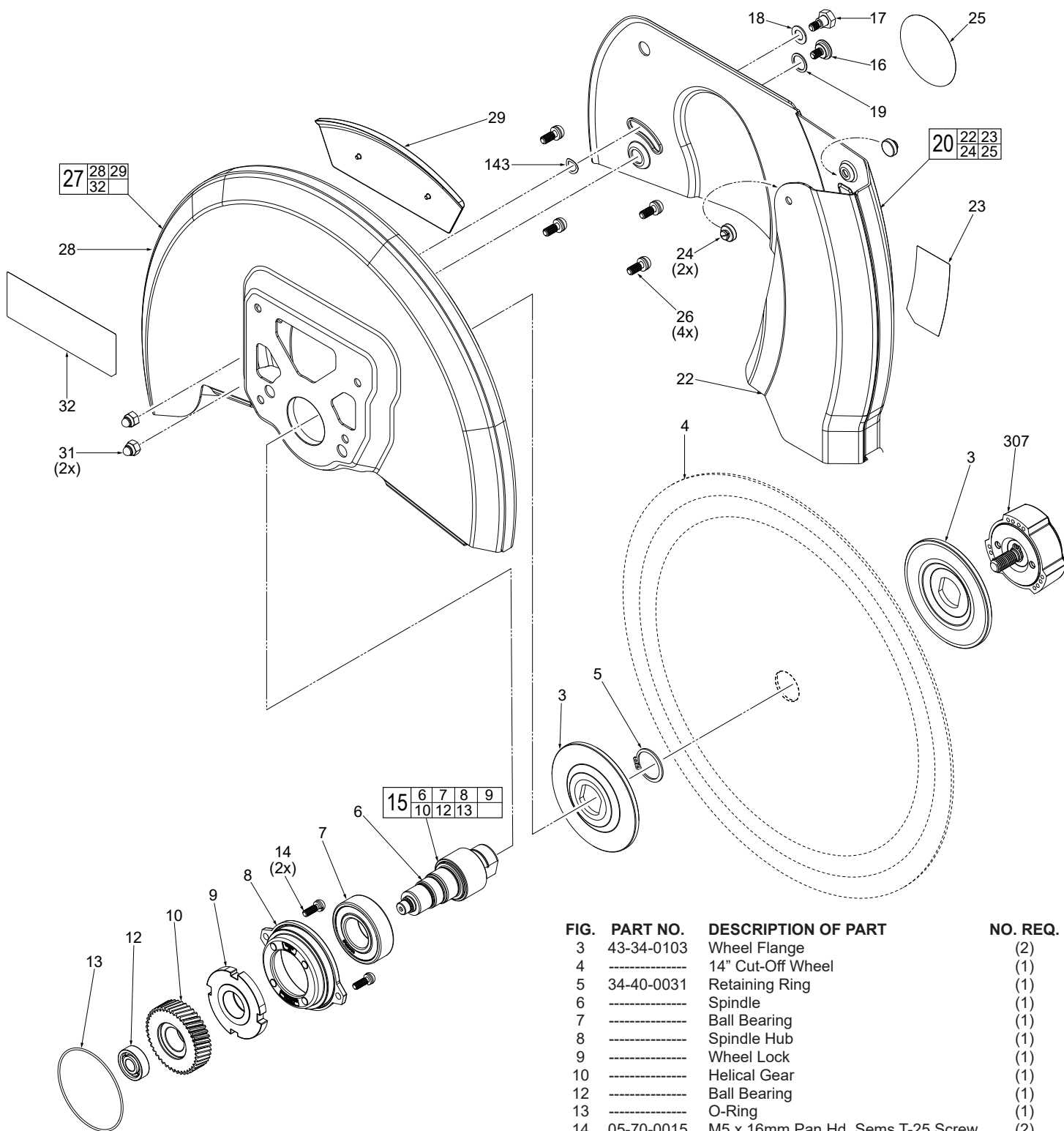
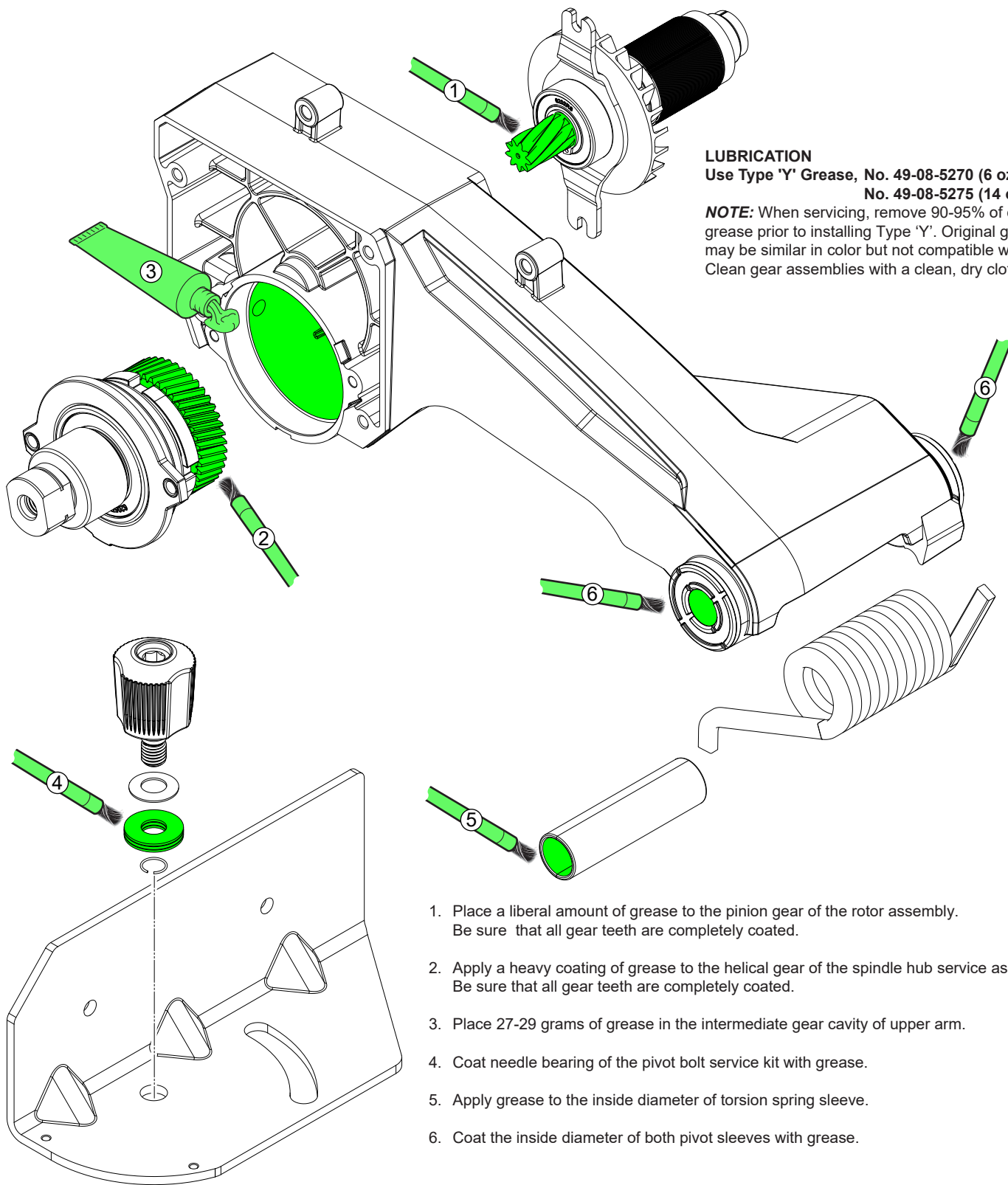
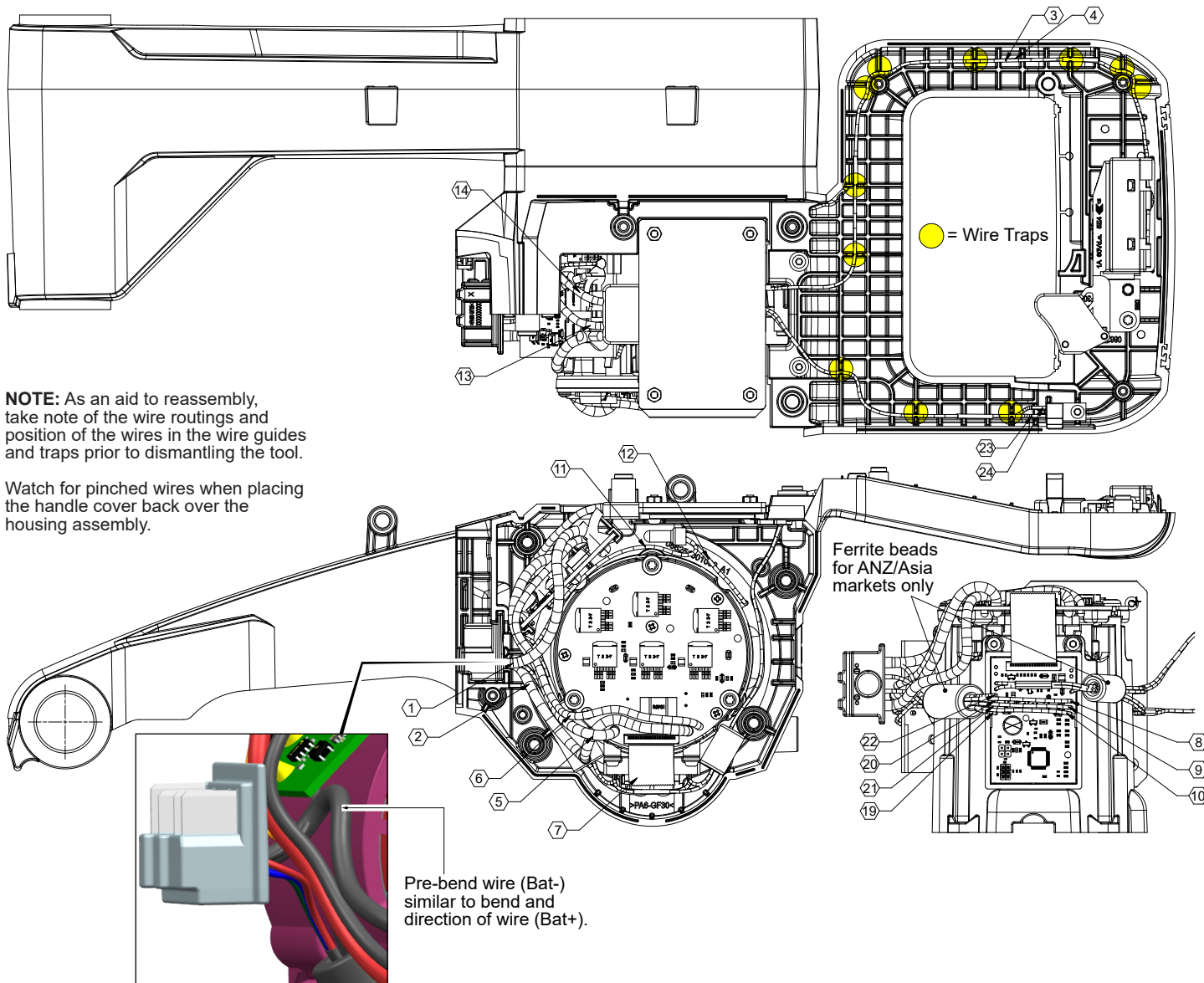


FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
3	43-34-0103	Wheel Flange	(2)
4	-----	14" Cut-Off Wheel	(1)
5	34-40-0031	Retaining Ring	(1)
6	-----	Spindle	(1)
7	-----	Ball Bearing	(1)
8	-----	Spindle Hub	(1)
9	-----	Wheel Lock	(1)
10	-----	Helical Gear	(1)
12	-----	Ball Bearing	(1)
13	-----	O-Ring	(1)
14	05-70-0015	M5 x 16mm Pan Hd. Sems T-25 Screw	(2)
15	14-73-0062	Spindle Hub Service Assembly	(1)
16	05-80-0119	M6 Shoulder Screw	(1)
17	05-80-0120	M6 Shoulder Screw	(1)
18	45-88-0261	Paper Washer	(1)
19	45-88-0262	Paper Washer	(1)
20	14-32-0132	Lower Guard Service Kit	(1)
22	-----	Lower Guard	(1)
23	10-20-4538	Lower Guard Label	(1)
24	42-38-0048	Rubber Bumper	(2)
25	10-20-4537	Round Lower Guard Label	(1)
26	05-70-0016	M6 x 16mm Pan Hd. Sems T-30 Screw	(4)
27	14-32-0134	Upper Guard Service Assembly	(1)
28	-----	Upper Guard	(1)
29	-----	Logo Plate	(1)
31	45-80-0081	Nylon Lock Nut	(2)
32	12-20-0236	Service Nameplate	(1)
143	45-88-0462	Wave Washer	(1)
307	44-10-0191	Tool Free Bolt Assembly	(1)



SCREW TORQUE SPECIFICATIONS

SEAT TORQUE					
FIG.	PART NO.	DESCRIPTION OF FASTENER	WHERE USED	(KG/CM)	(IN/LBS)
Fasteners on Page 1	91	Quick Release Pin	Quick Release Service Kit	23±3	20±2
	98	Hex Nut	Stopper Body	180±20	156±17
	102	05-70-0017 M6 x 16mm Skt. Hd. Sems Hex Rec.	Base/Stopper Body	70±5	60±4
	103	Lock Button	Lock Down Pin	23±3	20±2
	107	05-55-0133 M8 Nylon Lock Nut	Vise Shaft	180±20	156±17
	115	05-70-0018 M8 x 20mm Hex Hd. Sems Screw	Vise Mount/Base	140±10	121±8
	131	05-70-0019 M4 x 5mm Pan Hd. Sems T-20 Scr.	Rear Vise/Adjustable Scale	26±3	22±2
	132	Knob Assembly	Rear Vise/Base	23±3	20±2
Fasteners on Page 2	156	05-55-0137 Hex Nut	Pivot Shaft	80±5	69±4
	40	05-74-0091 M3 x 12mm Pan Washer Hd. T-10	Inside Housing	9±1	7±1
	41	05-74-0092 M5 x 12mm Pan Hd. T-25 Screw	Bearing Retainer	33±3	28±2
	48	K45 x 48mm Pan Hd. PT T-20 Screw	Baffle/Stator/Inner Motor Housing	25±3	21±2
	53	K50 x 14mm Pan Hd. PT T-20 Screw	PCBA/Inner Motor Housing	14±3	12±2
	54	05-88-0103 M3 x 8mm Pan Hd. ST T-10 Screw	PCBA	7.5±1.5	6.5±1
	55a	M3 x 7mm Pan Hd. PH Switch Scr.	On-Off Switch	10±2	8±1
	56	05-88-0107 M4 x 16mm Pan Hd. ST T-20 Screw	On-Off Switch/D-Handle-Bottom	14±2	12±1
	57	05-74-0093 M4 x 12mm Pan Hd. T-20 Mach. Scr.	Inner Motor Housing	17±3	14±2
	60	05-74-0094 M5 x 90mm Pan Hd. T-25 Mach. Scr.	Outside Housing	23±3	20±2
	71	05-81-0464 M4 x 18mm Pan Hd. ST T-20 Screw	Outside Housing	18±2	15±1
	72	05-81-0466 M5 x 26mm Pan Hd. ST T-25 Screw	D-Handle-Top	35±3	30±2
	73	05-81-0467 M3 x 8mm PWH Hd. ST T-10 Screw	D-Handle-Bottom	3±.25	2.6
	77	05-74-0096 M5 x 26mm Pan Hd. T-25 Mach. Scr.	Carrying Handle	23±3	20±2
Fasteners on Page 3	128	05-81-0461 M5 x 14mm Pan Hd. ST T-25 Screw	Carrying Handle	23±3	20±2
	14	05-70-0015 M5 x 16mm Pan Hd. Sems T-25 Scr.	Spindle Hub	40±3	34±2
	16	05-80-0119 M6 Shoulder Screw	Lower Guard	40±3	34±2
	17	05-80-0120 M6 Shoulder Screw	Lower Guard	40±3	34±2
	26	05-70-0016 M6 x 16mm Pan Hd. Sems T-30 Scr.	Upper Guard	80±5	69±4
Red denotes critical torque value					



WIRING SPECIFICATIONS

Wire No.	Wire Color	Origin or Gauge	Length	Wire Origin Designator
1	Red	AWG10	-----	Battery Terminal Block to SSD Board
2	Black	AWG10	-----	Battery Terminal Block to Power Board
3	Yellow	AWG26	-----	Switch to Control Board
4	Yellow	AWG26	-----	Switch to Control Board
5	Red	AWG10	-----	SSD Board to Power Board
6	Black	AWG14	-----	SSD Board to Power Board
7	White	Ribbon Cable	-----	Control Board to Power Board
8	Red	AWG24	-----	Battery Terminal Block to Control Board
9	Blue	AWG24	-----	Battery Terminal Block to Control Board
10	Green	AWG24	-----	Battery Terminal Block to Control Board
11	Black	AWG24	-----	Battery Terminal Block to Close End Connector
12	Black	AWG24	-----	Upper Arm to Close End Connector
13	Red	AWG14	-----	SSD Board to Resistor
14	White	AWG14	-----	SSD Board to Resistor
19	Red	AWG26	-----	Control Board to SSD Board
20	Black	AWG26	-----	Control Board to SSD Board
21	Yellow	AWG26	-----	Control Board to SSD Board
22	Orange	AWG26	-----	Control Board to SSD Board
23	Red	AWG26	-----	Performance LED Board to Control Board
24	Black	AWG26	-----	Performance LED Board to Control Board