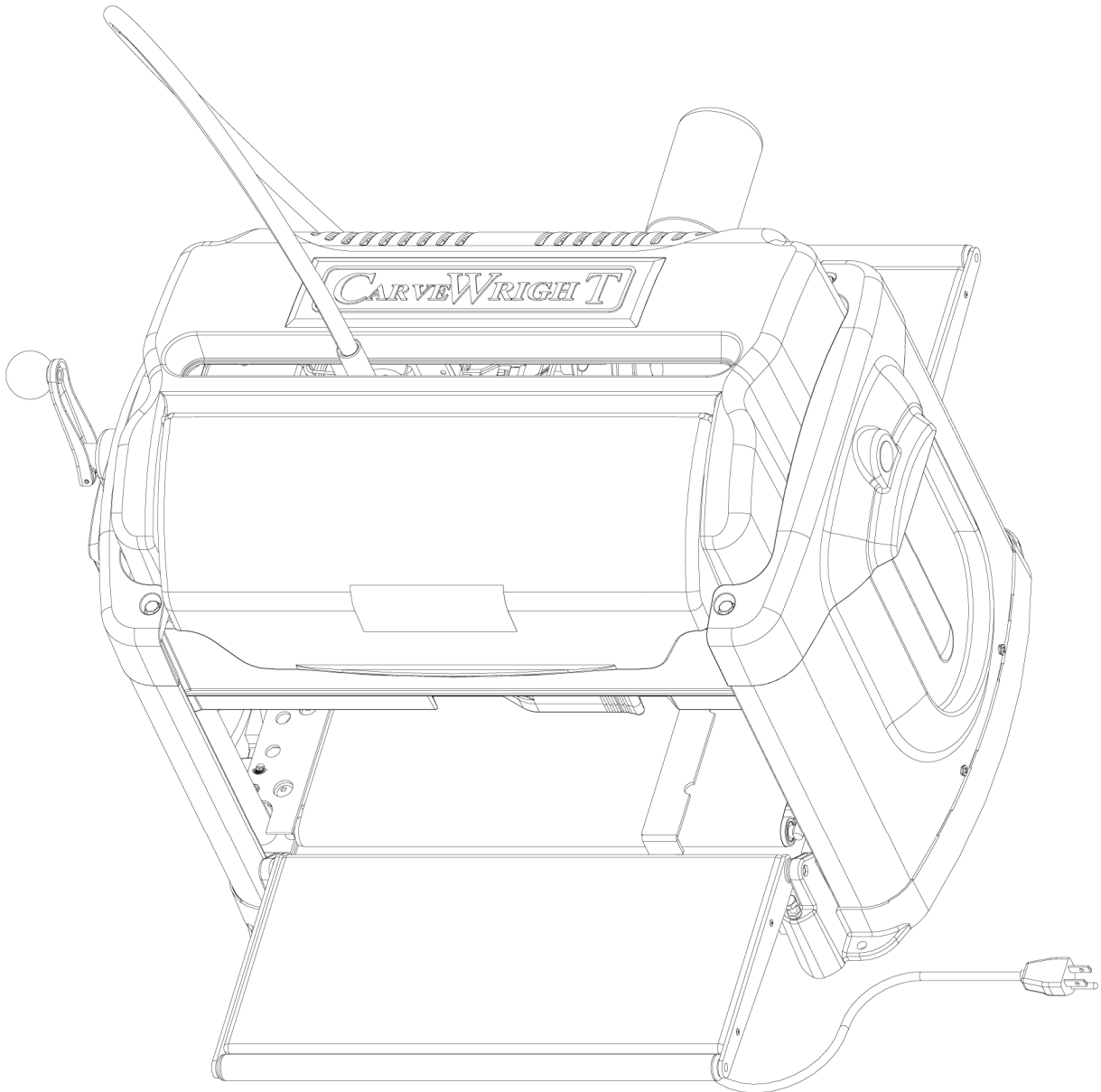


CarveWright Woodworking System

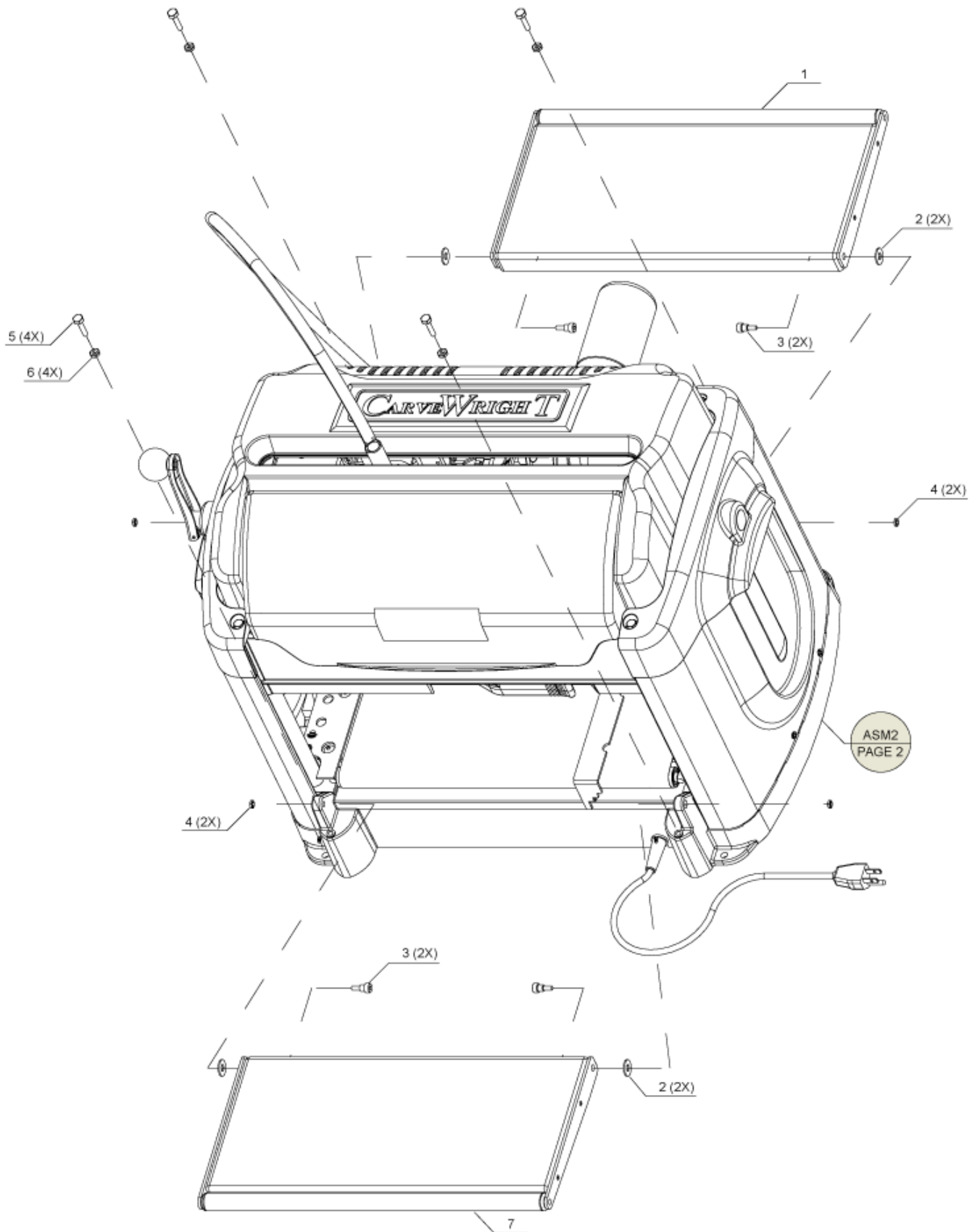
Assembly Guide and Parts List

Patented 2005

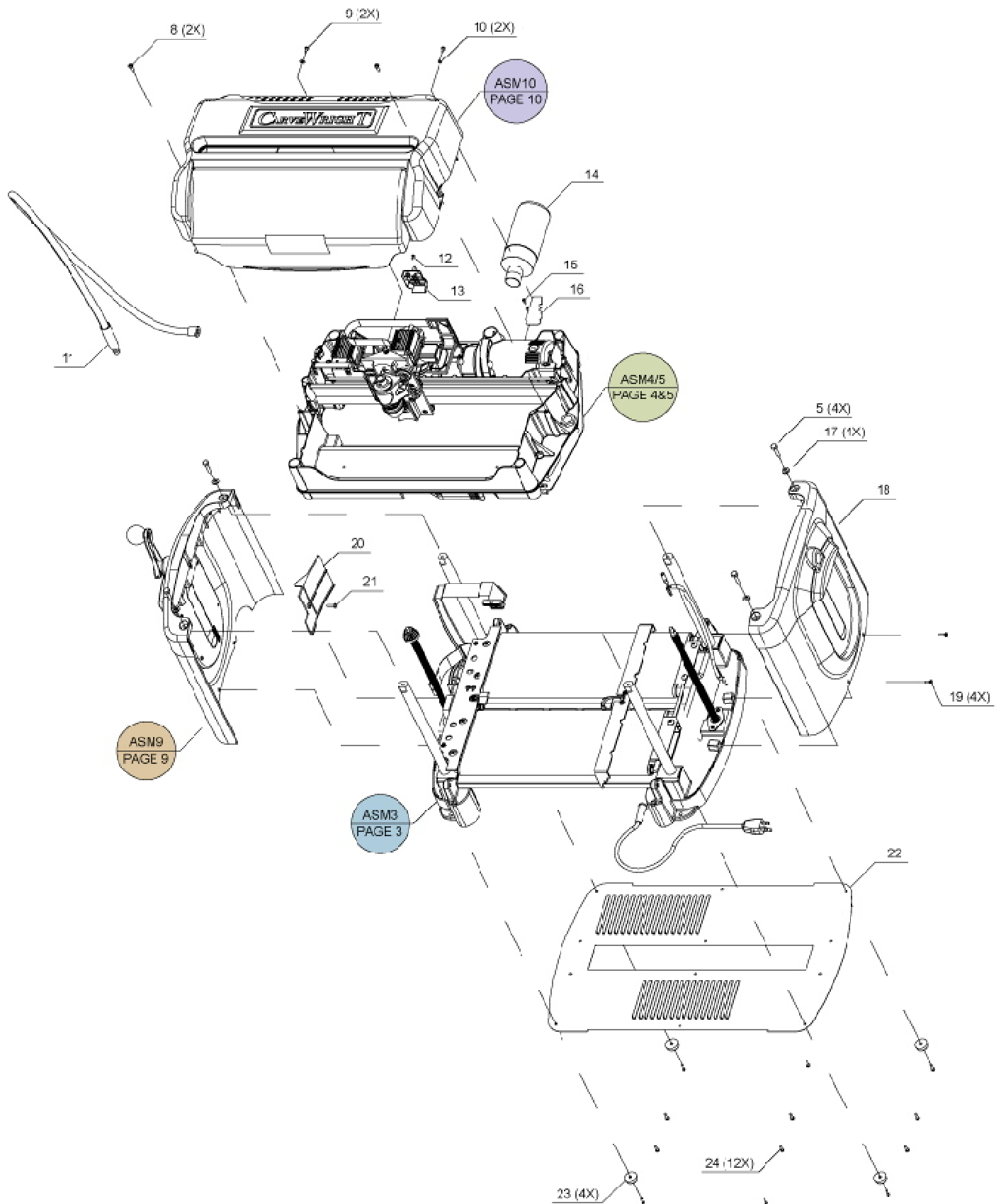
Note: Parts in this document are not necessarily available for purchase. Some parts are available only through factory repair.



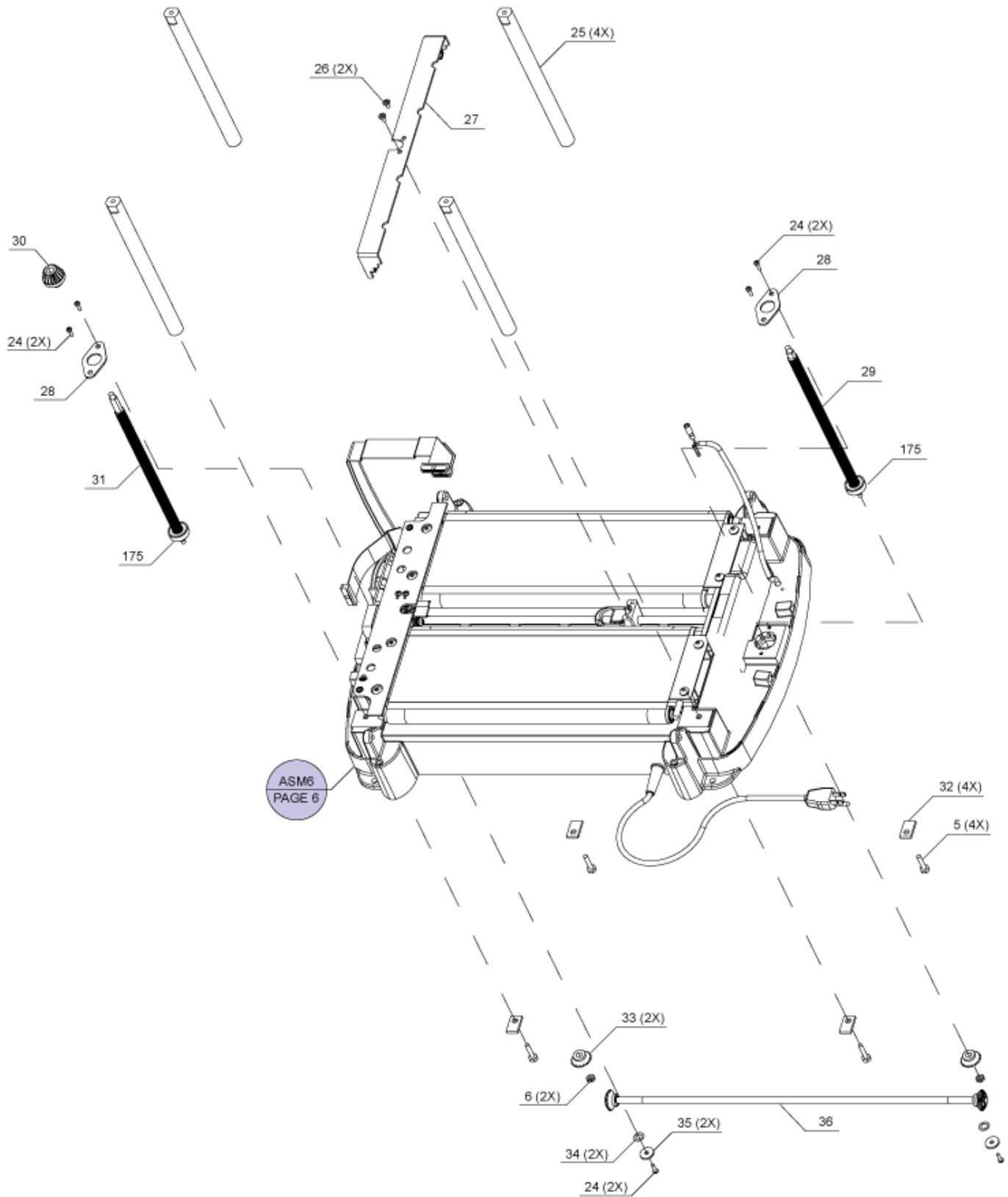
Outfeed Tray Assembly (ASM1)



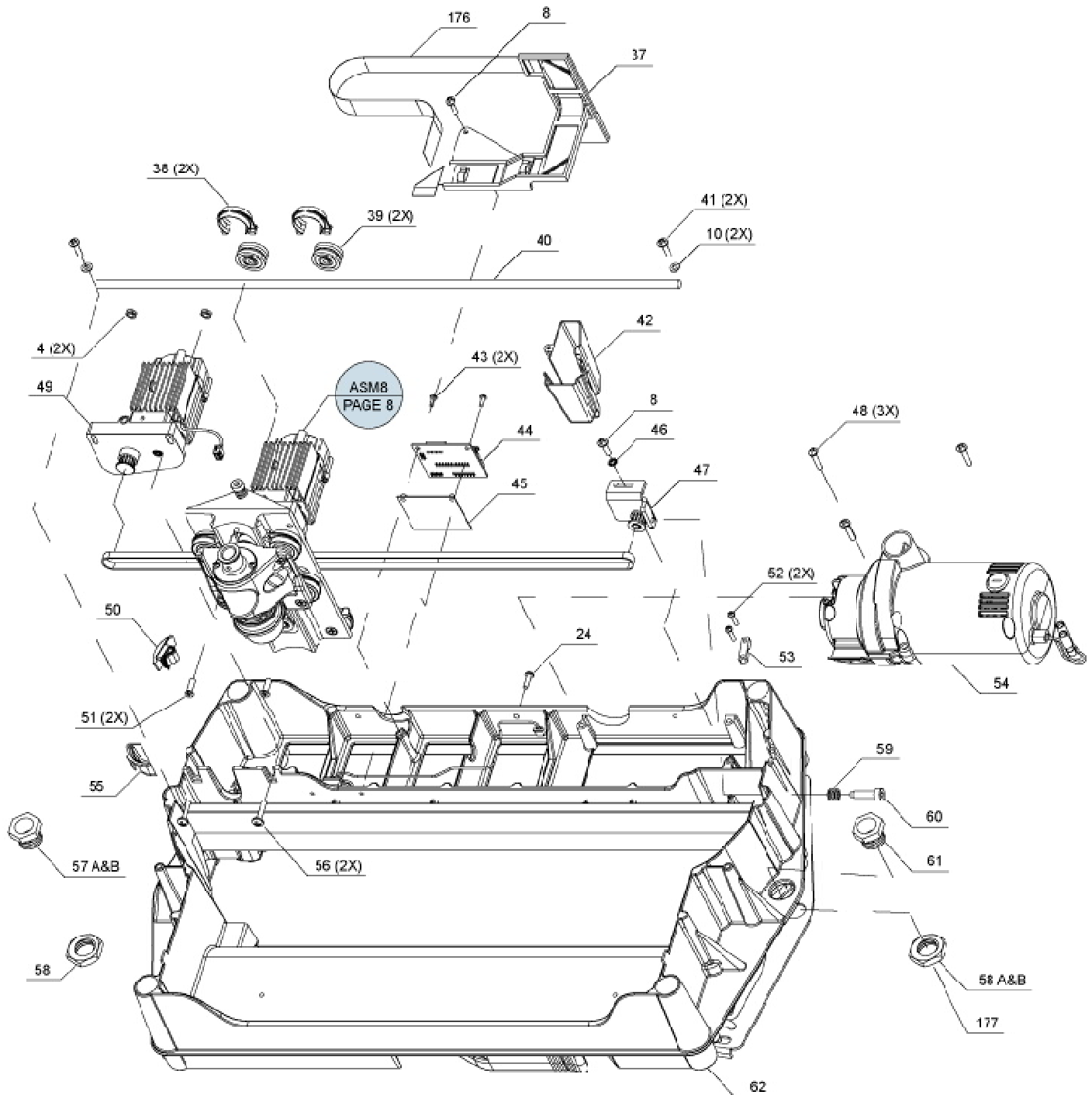
Main Assembly - W/O Trays (ASM2)



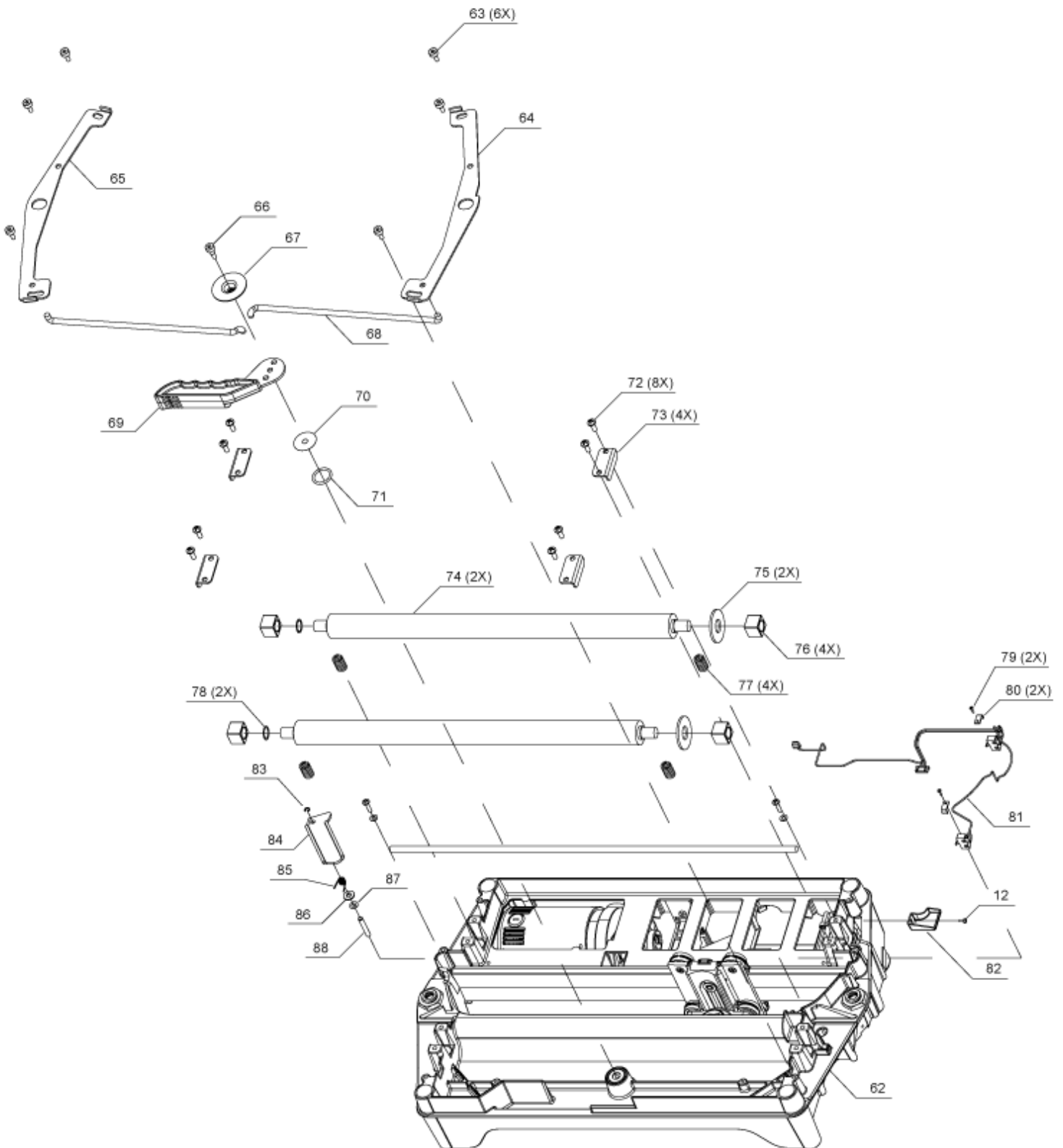
Main Structure Assembly (ASM3)



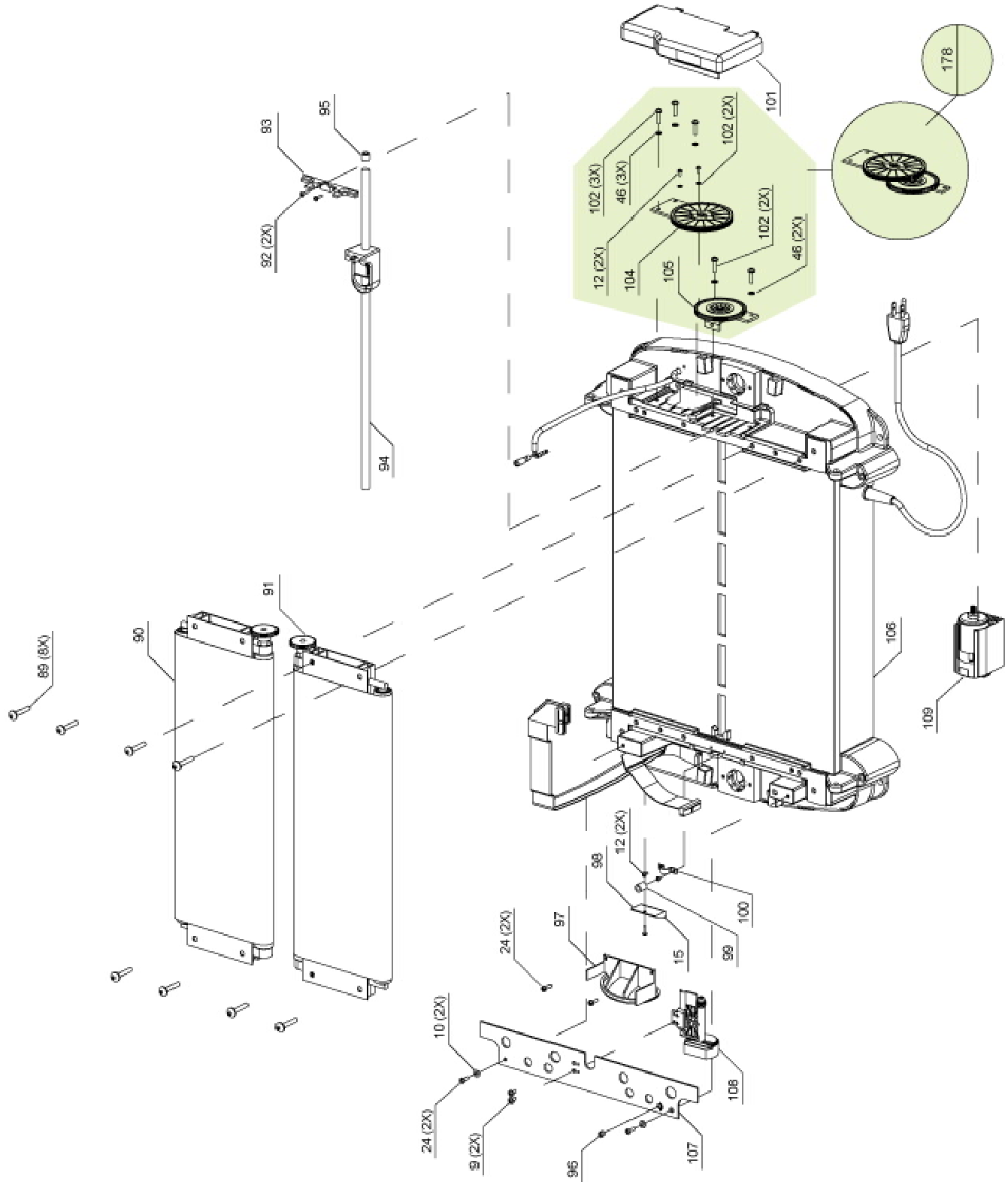
Head Assembly – Top (ASM4)



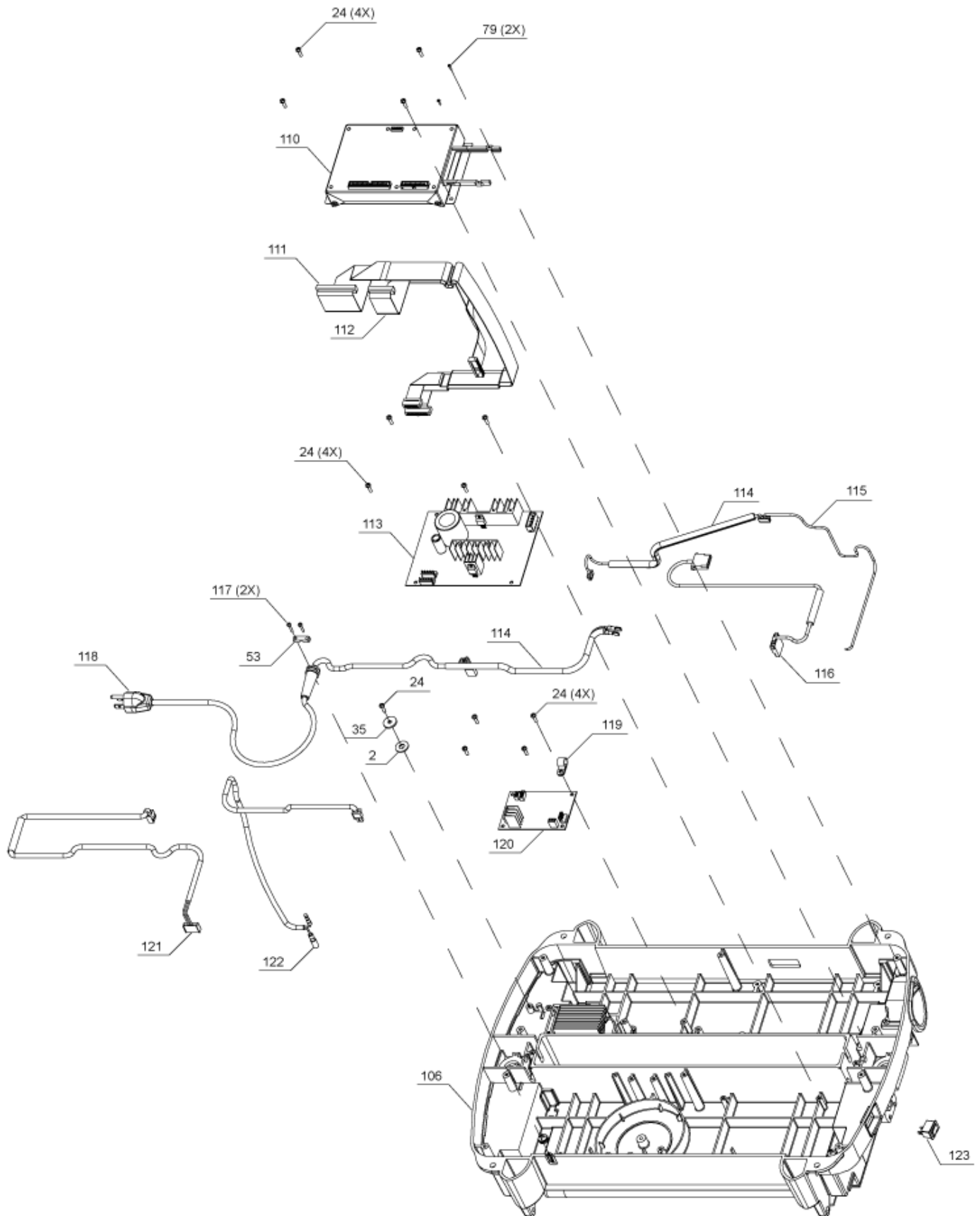
Head Assembly - Bottom (ASM5)



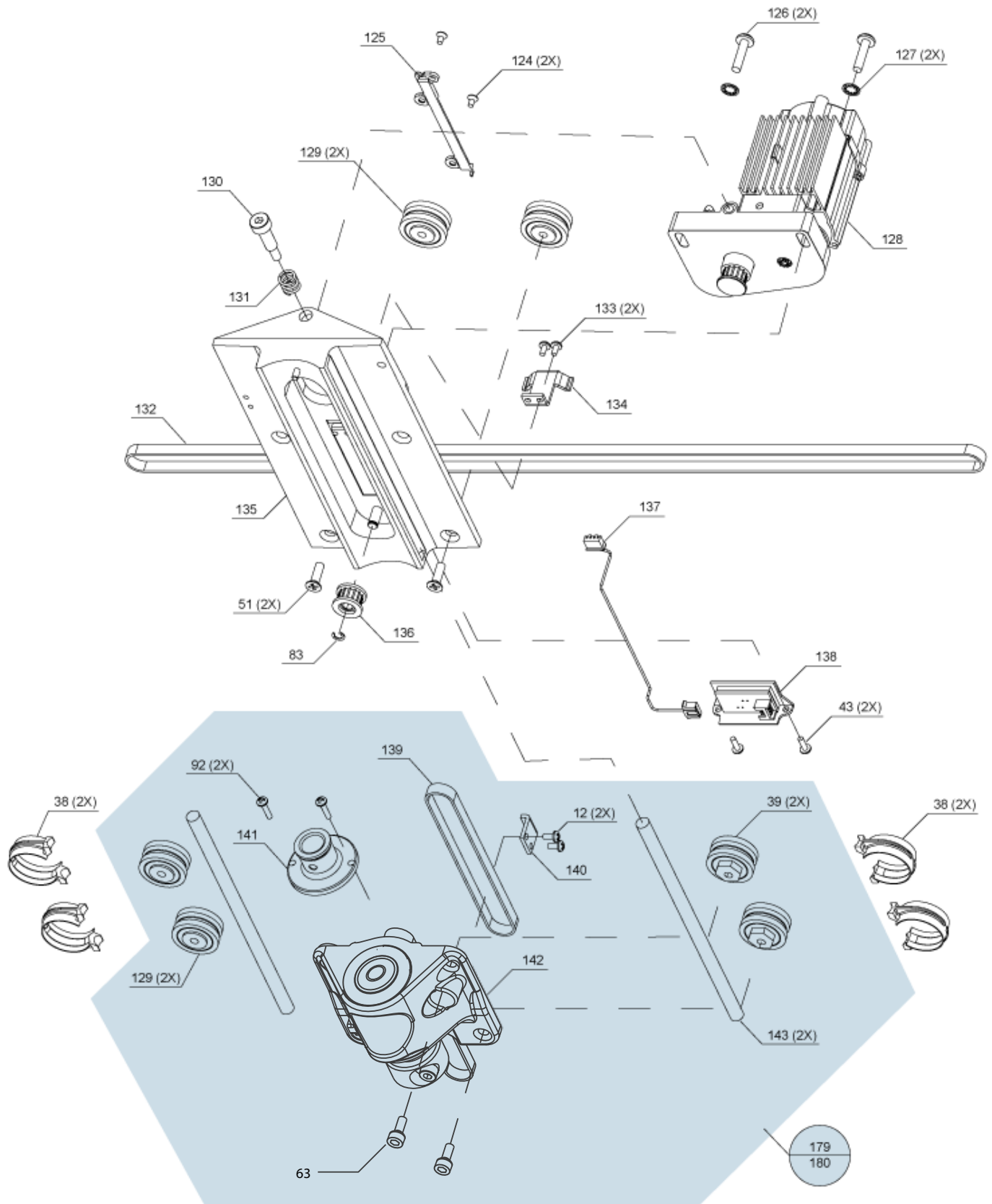
Base Assembly - Top (ASM6)



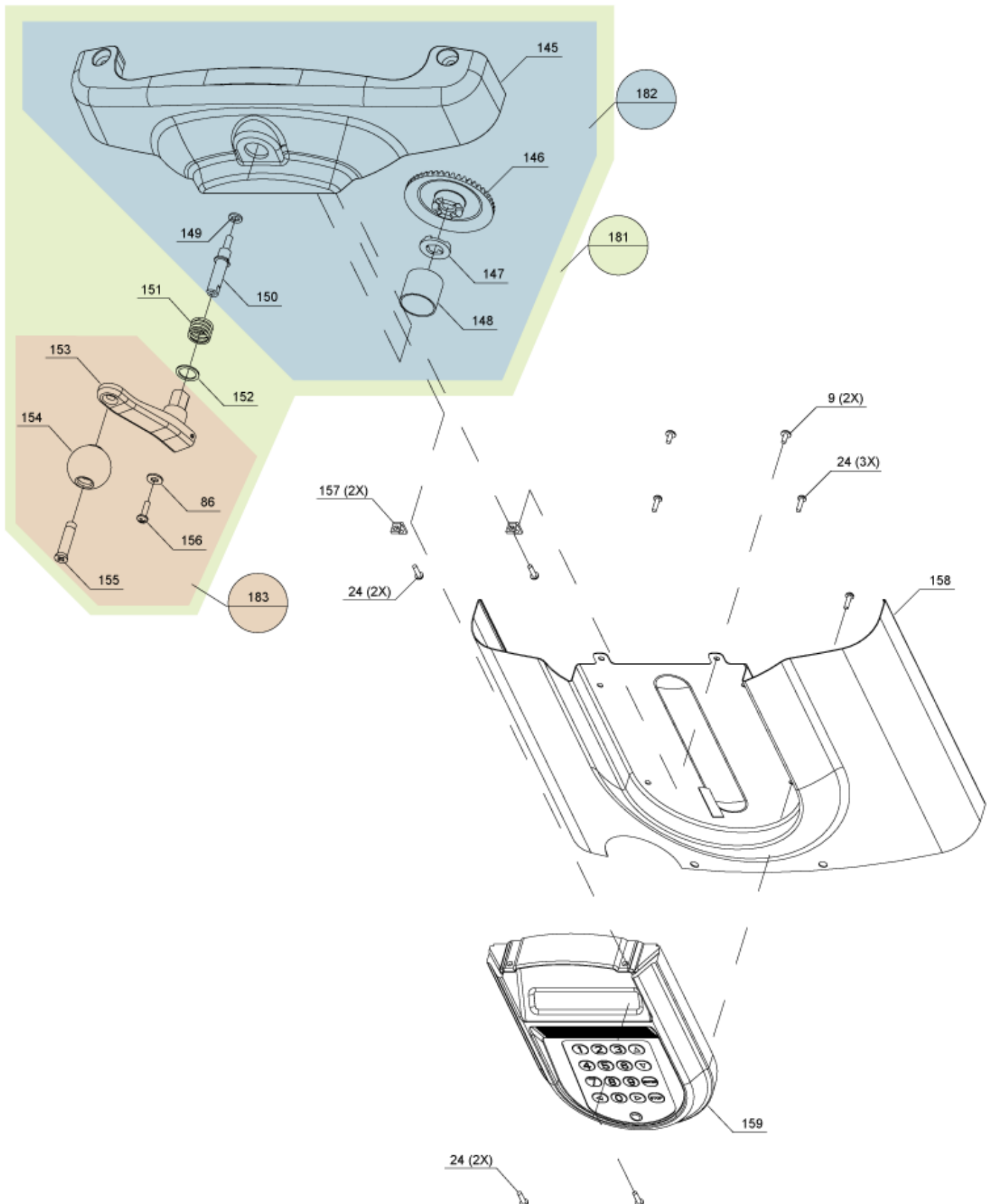
Base Assembly - Bottom (ASM7)



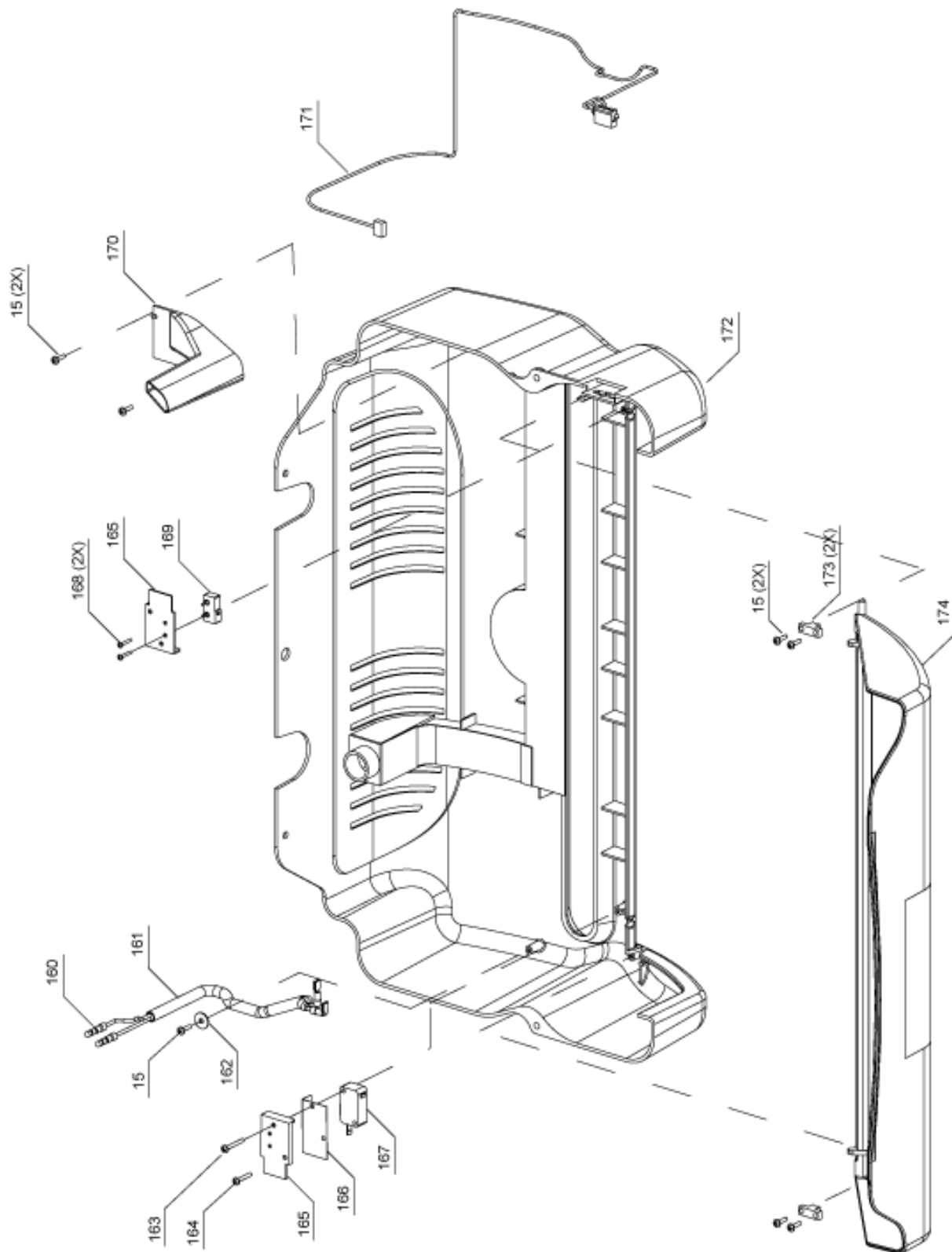
Y/Z Truck Assembly (ASM8)



Side Panel and Crank Assembly (ASM9)



Head Cover Assembly (ASM10)



Parts List

#	Drawing Name	LHR Part#	Page	Available
ASM1	Outfeed Tray Assembly	MWM A2001	1	
ASM2	Main Assembly (W/O Trays)		2	
ASM3	Main Structure Assembly	MWM A2002	3	
ASM4	Head Assembly - Top	MWM A2003	4	
ASM5	Head Assembly - Bottom	MWM A2003	5	
ASM6	Base Assembly - Top	MWM A2028	6	
ASM7	Base Assembly - Bottom	MWM A2028	7	
ASM8	Y/Z Truck Assembly	MWM A2008	8	
ASM9	Side Panel and Crank Assembly	MWM A2005	9	
ASM10	Head Cover Assembly	MWM A2120	10	
1	Outfeed Table Assembly - Back Side of Machine (non-power cable side)	MWM A2004	1	✓
2	Outfeed Tray Rubber Washers	MWM P1241	1	✓
3	Screw, Cap Head, Shoulder, M5x.8 x6 Long, 7mm shoulder, 10 mm Long	SCMR-5.0-0.80CB-10AB-0706	1	✓
4	Nut - M5 x .8, Jam Nut Style	NUMJM5-.80AC	1	✓
5	Machine Screw, Hex Head, M6 x 24 mm Long	SCMM-6.0-1.00HX-24AB	1	✓
6	Nut - M6 x 1.0, Jam Nut Style	NUMJM6-1.0AC	1	✓
7	Outfeed Table Assembly - Power Cord Side	MWM A2075	1	✓
8	Thread Forming Screws - Pan Head, Trilobe Type For Al. M4 x 14mm	SCMT-4.0-0.70PA-14AB	2	✓
9	Machine Screw - Pan Head, M4 x 08mm Long	SCMM-4.0-0.70PA-08AB	2	✓
10	Washer - ID For M4 Screw, OD 09mm, 0.8mm Thick	WAMF-M4-09x0.8-AB	2	✓
11	Spindle Flexshaft Assembly	MWM A2045	2	✓
12	Machine Screw - Pan Head, M3 x 06mm Long	SCMM-3.0-0.50PA-06AB	2	✓
13	Z Motor Mount Cable Guard	MWM P1291	2	✓
14	Muffler/Vacuum Bag Assembly	MWM A2116	2	✓
15	Thread Forming Screws - PT Type, Pan Head For Plastic, M3 x 10mm	SCMP-3.0-0.86PA-10AB	2	✓
16	AC Motor Bay Cap	MWM P1311	2	✓
17	Washer - ID For M6 Screw, OD 13mm, 1.8mm Thick	WAMF-M6-13x1.8-AB	2	✓
18	Closeout Right Assembly	MWM A2005	2	✓
19	Thread Forming Screws - PT Type, Oval Head For Plastic, M4 x 14mm	SCMP-4.0-1.04VA-14AB	2	✓
20	Side Panel Wire Protector	MWM P1265	2	✓
21	Thread Forming Screws - PT Type, Pan Head For Plastic, M4 x 14mm	SCMP-4.0-1.04PA-14AB	2	✓
22	Base Closeout Panel	MWM P1002	2	✓
23	Rubber Foot with Plastic Cup Assembly (Qty of 1)	MWM A2125	2	✓
24	Thread Forming Screws - PT Type, Pan Head For Plastic, M4 x 12mm	SCMP-4.0-1.04PA-12AB	2	✓
25	Vertical Guide Rod	MWM P1003	3	✓
26	Machine Screw - Truss Head, M5 x 8mm Long	SCMM-5.0-0.80TA-08AB	3	✓
27	Sliding Plate - Top Mount	MWM P1014	3	✓
28	Leadscrew Bearing Retainer	MWM P1041	3	N/A
29	Lockdown Leadscrew - Left Hand Thread	MWM P1339	3	✓
30	Crank Bevel Gear - 16 Tooth	MWM P1086	3	✓
31	Lockdown Leadscrew - Right Hand Thread	MWM P1338	3	✓
32	Vertical Guide Rod Bottom Clamp Plate	MWM P1194	3	N/A
33	Leadscrew Bevel Gear	MWM P1093	3	✓
34	Washer - ID For M5 Screw, OD 11mm, 0.5mm Thick	WAMF-M5-11x0.5-AB	3	✓
35	Washer - ID For M4 Screw, OD 18mm, 2.3mm Thick	WAMF-M4-18x2.3-AB	3	✓

36	Lockdown Leadscrew Tierod Assembly	MWM A2029	3	✓
37	FFC Wire Guide	MWM A2113	4	✓
38	Roller Bearing Sweeper (Set of 4)	MWM A2122	4	✓
39	Roller Bearing Assembly - Adjustable Type w/Screw	MWM A2020	4	✓
40	Y-Track Roller Rod	MWM P1017	4	✓
41	Thread Forming Screws - Pan Head, Trilobe Type For Al, M4 x 16mm	SCMT-4.0-0.70PA-16AB	4	✓
42	AC Motor Bay Cup	MWM P1310	4	✓
43	Machine Screw - Pan Head, M3 x 08mm Long	SCMM-3.0-0.50PA-08AB	4	✓
44	Head Termination Electronics Board Assembly	MWM A2060	4	✓
45	Head Termination E-Board Insulator	MWM P1133	4	✓
46	Washer - Internal Star Locking Type for M4.0 Screw	WAMSI-M4.0-AB	4	✓
47	Y-Belt Tensioner Assembly	MWM A2010	4	✓
48	Thread Forming Screws - Pan Head, Trilobe Type For Al, M4 x 20mm	SCMT-4.0-0.70PA-20AB	4	✓
49	Y Motor Mount Assembly	MWM A2052	4	✓
50	Head Cover Wire Retainer	MWM P1292	4	✓
51	Machine Screw - CSK Head, M5 x 14mm Long, Special M4 head	SCMM-5.0-0.80FA-14AB-SP	4	✓
52	Thread Forming Screws - Pan Head, Trilobe Type For Al, M3 x 13mm	SCMT-3.0-0.50PA-13AB	4	✓
53	Power Cord Tiedown	MWM P1142	4	✓
54	Spindle Motor Assembly	MWM A2011	4	✓
55	Blow Port Deflector	MWM P1239	4	✓
56	Machine Screw - Pan Head, M5 x 20mm Long	SCMM-5.0-0.80PA-20AB	4	✓
57	Lockdown Leadscrew Nut – Right Hand Thread	MWM P1350	4	✓
58	Leadscrew Jam Nut – For P1350	MWM P1351	4	✓
59	Compression Spring - Y Belt Tension	MWM P1232	4	✓
60	Screw, Cap Head, Shoulder, M5x.8 x6 Long, 6mm shoulder, 20 mm Long	SCMR-5.0-0.80CB-03AB-0620	4	✓
61	Lockdown Leadscrew Nut – Left Hand Thread	MWM P1297	4	✓
62	Head Casting Aluminum	MWM P1127	4	N/A
63	Screw, Cap Head, Shoulder, M5x.8 x9 Long, 6mm shoulder, 2.5 mm Long	SCMR-5.0-0.80CB-09AB-062.5	5	✓
64	Lockdown Clamp Arm - Left	MWM P1052	5	N/A
65	Lockdown Clamp Arm - Right	MWM P1078	5	N/A
66	Screw, Cap Head, Shoulder, M5x.8 x6 Long, 6mm shoulder, 6.6 mm Long	SCMR-5.0-0.80CB-09AB-0606.6	5	✓
67	Lockdown Drawrod Retainer Disk	MWM P1137	5	N/A
68	Lockdown Drawrod	MWM P1051	5	✓
69	Lockdown Lever Handle Assembly	MWM A2067	5	N/A
70	Lockdown Handle O-Ring Protector	MWM P1306	5	N/A
71	Lockdown Handle O-ring	MWM P1245	5	N/A
72	Thread Forming Screws - Pan Head, Trilobe Type For Al, M5 x 13mm Long	SCMT-5.0-0.80PA-13AB	5	✓
73	Top Compression Roller Bushing Retainer	MWM P1020	5	N/A
74	Upper Idle Roller Assembly (w/rubber)	MWM A2012	5	✓
75	Roller Switch Dust Guard	MWM P1277	5	✓
76	Top Compression Roller Bushing - Square	MWM P1019	5	✓
77	Compression Spring - Compression Roller Preload	MWM P1231	5	✓
78	Compression Roller Spacer Washer	MWM P1313	5	N/A
79	Machine Screw - Pan Head, M2 x 08mm Long	SCMM-2.0-0.40PA-08AB	5	✓
80	Roller Switch Retainer	MWM P1197	5	N/A
81	Roller Sensors Cable Assembly	MWM C1010	5	✓
82	Head FFC Retainer	MWM P1122	5	✓
83	Retaining E-Clip, For 5mm External Shaft Diameter	P008-00067	5	✓
84	Bit Tip Locator Plate	MWM P1281	5	✓
85	Bit Tip Locator Plate Spring	MWM P1282	5	✓

86	Washer - ID For M5 Screw, OD 13mm, 1.4mm Thick	WAMF-M5-13x1.4-AB	5	✓
87	Washer - Curved Spring for M5 Screw	WAMC-M5-AB	5	✓
88	Bit Tip Locator Shaft	MWM P1280	5	N/A
89	Machine Screw - Pan Head, Hex Drive, M6 x 30 mm Long	SCMM-6.0-1.00PB-30AB	6	✓
90	X - Drive Conveyor Assembly - Back	MWM A2034	6	✓
91	X - Drive Conveyor Assembly - Front	MWM A2033	6	✓
92	Machine Screw - Pan Head, M3 x 12mm Long	SCMM-3.0-0.50PA-12AB	6	✓
93	X- Drive Dust Guard	MWM P1302	6	N/A
94	Squaring Plate Assembly	MWM A2046	6	✓
95	Sliding Plate Damper Spring	MWM P1303	6	N/A
96	Strongback Adjustment Screw	MWM P1159	6	✓
97	PCMCIA Slot Cover	MWM P1131	6	✓
98	Base FFC Retainer	MWM P1123	6	✓
99	Board Tracking Encoder Damper	MWM P1279	6	✓
100	Squaring Plate Guide Rod Retainer	MWM P1202	6	N/A
101	X-Drive Shroud	MWM P1076	6	✓
102	Sheetmetal Screws - Pan Head, M4.5 x 16mm Long	SCMS-4.5-1.50PA-16AC	6	✓
103	Washer - External Star Locking Type for M3 Screw	WAMSE-M3.0-AB	6	✓
104	X - Drive Motor Mount Assembly (Replaced By A2129)	MWM A2036 (* See Below)	6	N/A
105	X - Drive Idler Gear Stage 2 Assembly (Replaced by A2119)	MWM A2049 (* See Below)	6	N/A
106	Base Casting Assembly	MWM A2032	6	N/A
107	Squaring Plate Strongback	MWM P1013	6	✓
108	Board Tracking Encoder Assembly	MWM A2076	6	✓
109	X-Drive Motor Pack	MWM A2080	6	✓
110	Controller Board Enclosure Assembly	MWM A2065	7	✓
111	Ribbon Cable to Head	MWM C1022	7	✓
112	LCD/Keypad Cable	MWM C1002	7	✓
113	Power Supply Board Assembly	MWM A2038	7	✓
114	Flexible Corrugated Conduit (Part of C1015)	P007-00012	7	N/A
115	X Drive Aux Encoder Cable	MWM C1015	7	✓
116	DC Supply Cable	MWM C1004	7	✓
117	Thread Forming Screws - Pan Head For Plastic, M3 x 14mm Long	SCMP-3.0-0.86PA-14AB	7	✓
118	Power Cord	MWM C1008	7	✓
119	Cable Clamp (Part of C1015)	P007-00011	7	N/A
120	X Termination Electronics Board	MWM A2074	7	✓
121	AC Power to X-Drive Termination Cable	MWM C1024	7	✓
122	Spindle Motor Power Cable	MWM C1006	7	✓
123	Power Rocker Switch	P007-00008	7	✓
124	Machine Screws - CSK Head, M3 x 5mm Long, 90 Degree Countersink	SCMM-3.0-0.50FA-05AB	8	✓
125	Board Cable Guard	MWM P1289	8	✓
126	Machine Screw - Pan Head, M5 x 18mm Long	SCMM-5.0-0.80PA-18AB	8	✓
127	Washer - Internal Star Locking Type for M5.0 Screw	WAMSI-M5.0-AB	8	✓
128	Z Motor Mount Assembly	MWM A2017	8	✓
129	Roller Bearing Assembly – Fixed Type	MWM A2021	8	✓
130	Cap Head Shoulder Screw, M5x.8 x6 Long, 6mm shoulder, 16 mm Long	SCMR-5.0-0.80CB-09AB-0616	8	✓
131	Compression Spring - Z Belt Tension	MWM P1233	8	✓
132	Y-Drive Belt - 3mm Pitch, GT Profile, 315 Tooth, 6mm Wide	P008-00033	8	✓
133	Machine Screw - Pan Head, M3 x 05mm Long	SCMM-3.0-0.50PA-05AB	8	✓
134	Y-Belt Retaining Clamp	MWM P1072	8	✓
135	Y-Truck Casting (Part of A2014)	MWM P1036	8	N/A

136	Y-Belt Idle Pulley Assembly	MWM A2016	8	✓
137	Board Sensor Cable	MWM C1025	8	✓
138	Board Sensor Board Assembly	MWM A2019	8	✓
139	Z-Drive Belt - 3mm Pitch, GT Profile, 81 Tooth, 6mm Wide	P008-00034	8	✓
140	Z-Belt Retaining Clamp	MWM P1097	8	✓
141	Flexshaft Pivot Assembly	MWM A2118	8	✓
142	Z-Truck Casting (Part of A2131 or A2132)	MWM P1036	8	N/A
143	Z-Track Roller Rod	MWM P1037	8	✓
144	Quick Change Assembly	A005-00033	8	✓
145	Lateral Stabilizer Casting Assembly with Insert Only	MWM A2040	9	✓
146	Crank Bevel Gear - 48 Tooth (Part of A2051)	MWM P1083	9	N/A
147	Crank Torque Plate	MWM P1085	9	✓
148	Clutch Dust Shroud	MWM P1293	9	✓
149	Crank Gear Spacer (Part of A2051)	MWM P1287	9	N/A
150	Crank Lever Shaft (Part of A2051)	MWM P1077	9	N/A
151	Compression Spring - Crank Clutch	MWM P1228	9	✓
152	Clutch Spacer Washer	MWM P1314	9	✓
153	Crank Lever (Part of A2042)	MWM A1081	9	N/A
154	Crank Lever Handle - Round	MWM P1278	9	✓
155	Crank Handle Shaft	MWM P1099	9	✓
156	Machine Screw - Pan Head, M5 x 16mm Long	SCMM-5.0-0.80PA-16AB	9	✓
183	Crank Handle Assembly	MWM A2042	9	✓
157	Side Panel Capture Nut (Part of A2051)	MWM P1286	9	N/A
158	Side Closeout Panel - Left	MWM P1006	9	✓
159	Control Panel Assembly	MWM A2043	9	✓
160	AC Cutoff Switch Cable	MWM C1007	10	✓
161	3/8" PVC tubing .022" Wall Thickness (Part of C1007)	P007-00014	10	N/A
162	Washer - ID For M3 Screw, OD 12mm, 0.9mm Thick	WAMF-M3-12x0.9-AB	10	✓
163	Thread Forming Screws - Pan Head For Plastic, M3 x 20mm Long	SCMP-3.0-0.86PA-20AB	10	✓
164	Thread Forming Screws - Pan Head For Plastic, M3 x 16mm Long	SCMP-3.0-0.86PA-16AB	10	✓
165	Top Cover Switch Shroud	MWM P1152	10	N/A
166	AC Power Interrupt Switch Shield	MWM P1201	10	N/A
167	AC Motor Cut-off Switch	P007-00007	10	✓
168	Thread Forming Screws - Pan Head For Plastic, M2.2 x 12mm Long	SCMP-2.2-0.71PA-12AB	10	✓
169	Controller Cut-off Switch w/o Cable	P007-00006	10	✓
170	Blow Port Duct (Part of A2120)	MWM P1168	10	N/A
171	Controller Cut-off Switch Cable	MWM C1009	10	✓
172	Closeout Top Rear – CarveWright (Part of A2120)	MWM P1317	10	N/A
173	Top Cover Hinge Pin Retainer	MWM P1151	10	✓
174	Front Head Cover Assembly	MWM A2070	10	✓
175	Ball Bearing, Deep Groove, 6000-2RS	P008-00020	3	✓
176	FFC Cable – 14 Conductor	MWM C1028	4	✓
177	Leadscrew Jam Nut – For P1297	MWM P1307	4	✓
178	X - Drive Gear Train Plate Assembly (Single Plate)	MWM A2129	6	✓
179	Z-Truck Assembly w/ Bearings and Screws (QC Version)	MWM A2131	8	✓
180	Z-Truck Assembly w/ Bearings, Screws and Wrenches (CarveTight Version)	MWM A2132	8	✓
181	Lateral Stabilizer - Left Assembly includes the entire crank mechanism (handle, ball and shaft)	MWM A2031	9	✓
182	Lateral Stabilizer -Left Assembly (w/ insert, shaft, dust guard, torque plate and gear only)	MWM A2051	9	✓

* Assemblies A2036 and A2049 have been replaced by the single assembly A2129.