



SERVICE PARTS LIST

BULLETIN NO.
54-00-F381

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS				REVISED BULLETIN	DATE
MX FUEL Concrete Screed					Jan. 2023
CATALOG NO.	MXF381	STARTING SERIAL NO.	M06A	WIRING INSTRUCTION	

00 0 **EXAMPLE:**
Component Parts (Small #) Are Included
When Ordering The Assembly (Large #).

EXPLODED VIEW SERVICE PARTS **PAGES 2-5**

FASTENER TORQUE SPECIFICATIONS **PAGE 6**

WIRING INSTRUCTIONS **PAGE 7-10**

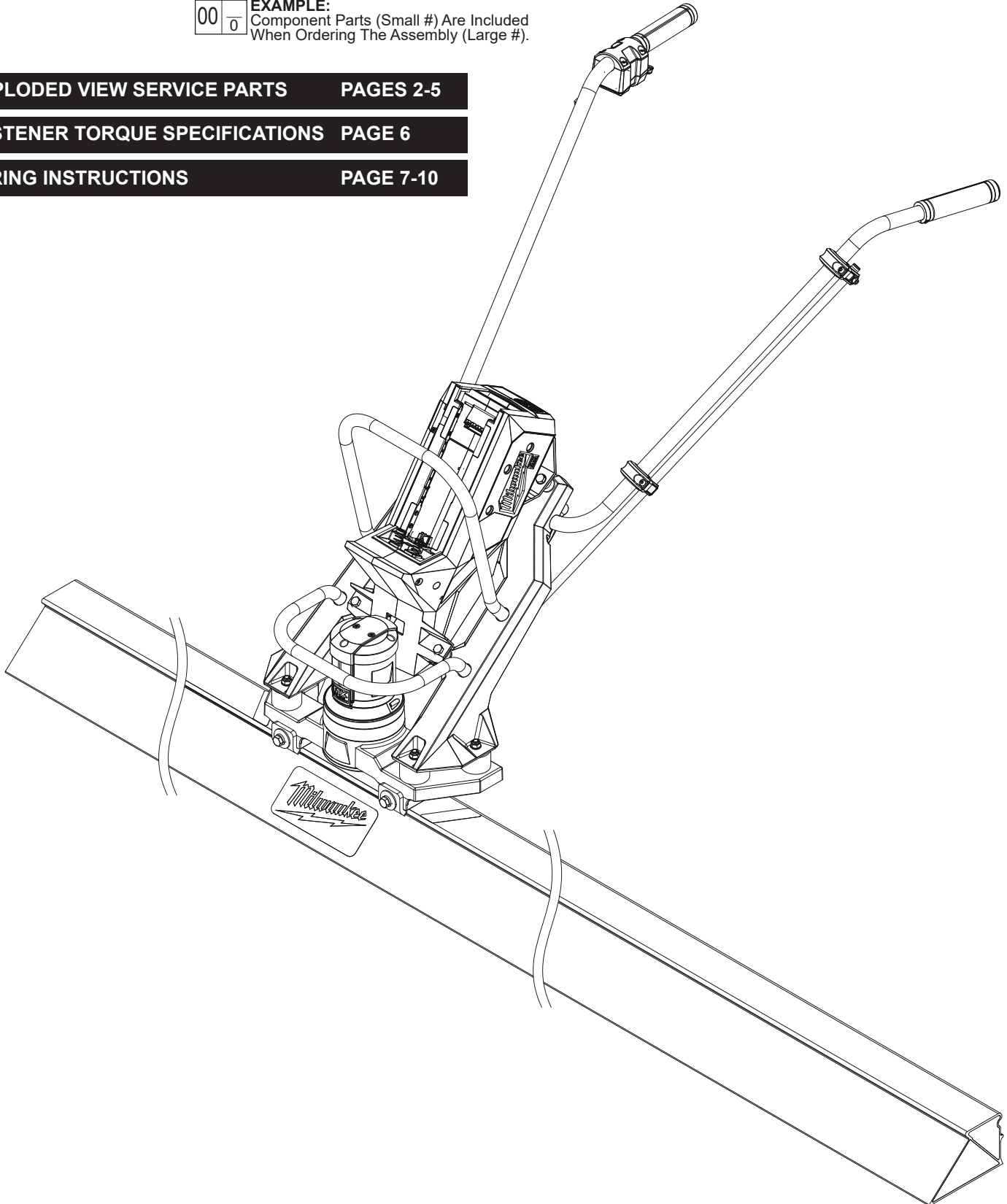
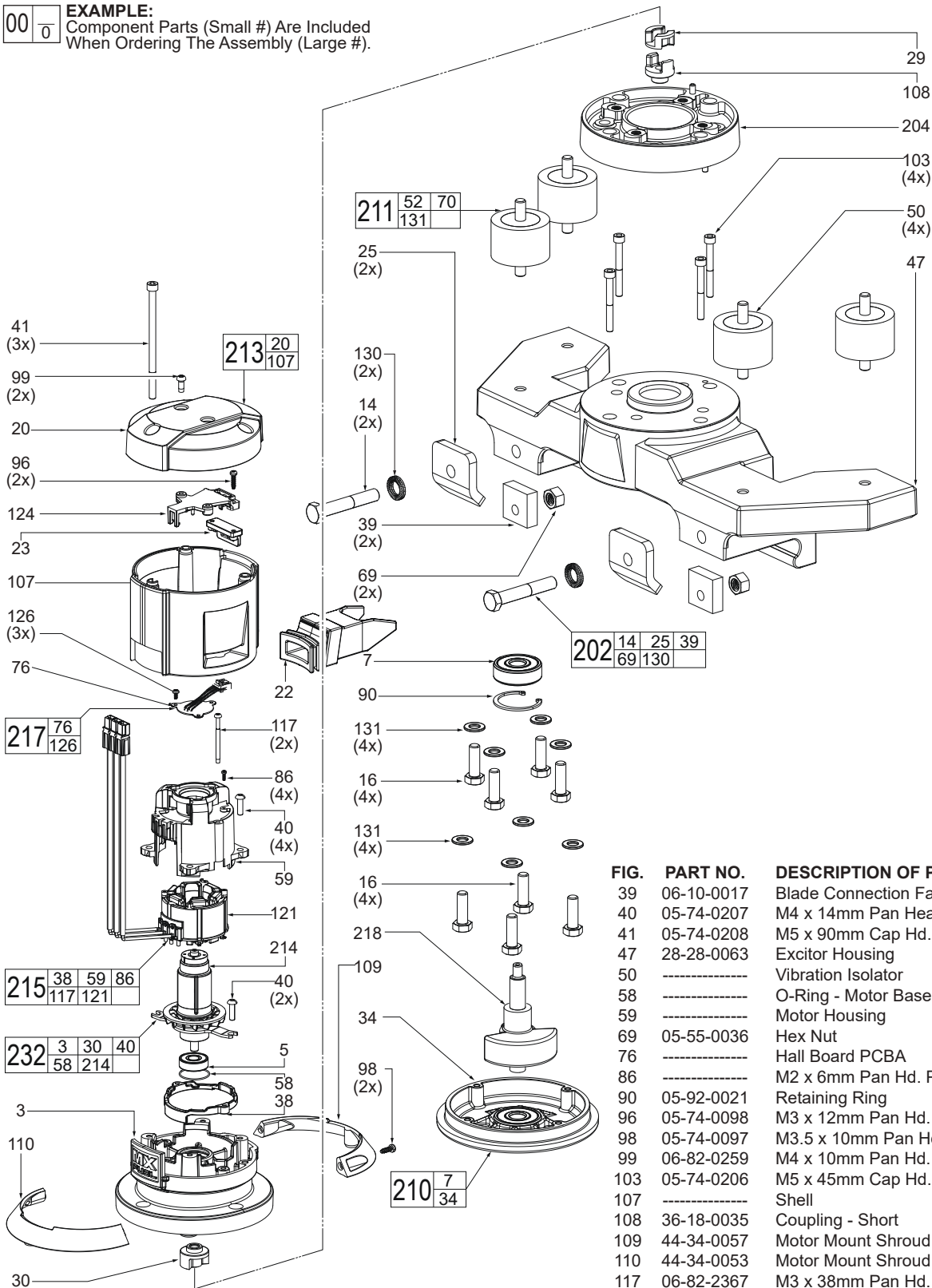


FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
8	42-46-0109	Motor Roll Bar	(1)
15	05-74-0209	M6 x 20mm Hex Head Bolt	(4)
17	05-74-0212	M8 x 35mm Hex Head Bolt	(4)
18	42-40-0087	Isolator Bushing	(5)
45	31-44-0214	Lift Handle	(1)
70	05-55-0038	8mm Hex Nut	(4)
129	45-88-0326	Flat Washer	(4)
131	45-88-0311	M8 Flat Washer	(8)
134	12-20-0337	Service Nameplate	(1)
140	-----	Screed Bar End Cap - Lower Left	(1)
141	-----	Screed Bar End Cap - Lower Right	(1)
142	-----	Screed Bar End Cap - Upper Left	(1)
143	-----	Screed Bar End Cap - Upper Right	(1)
144	-----	Screed Bar	(1)
219	31-12-0099	Screed Bar End Cap Kit	(1)
230	48-38-2000	Screed Bar Assembly	(1)
231	10-20-7129	Logo/Locator Labels (3 Label Set)	(1)

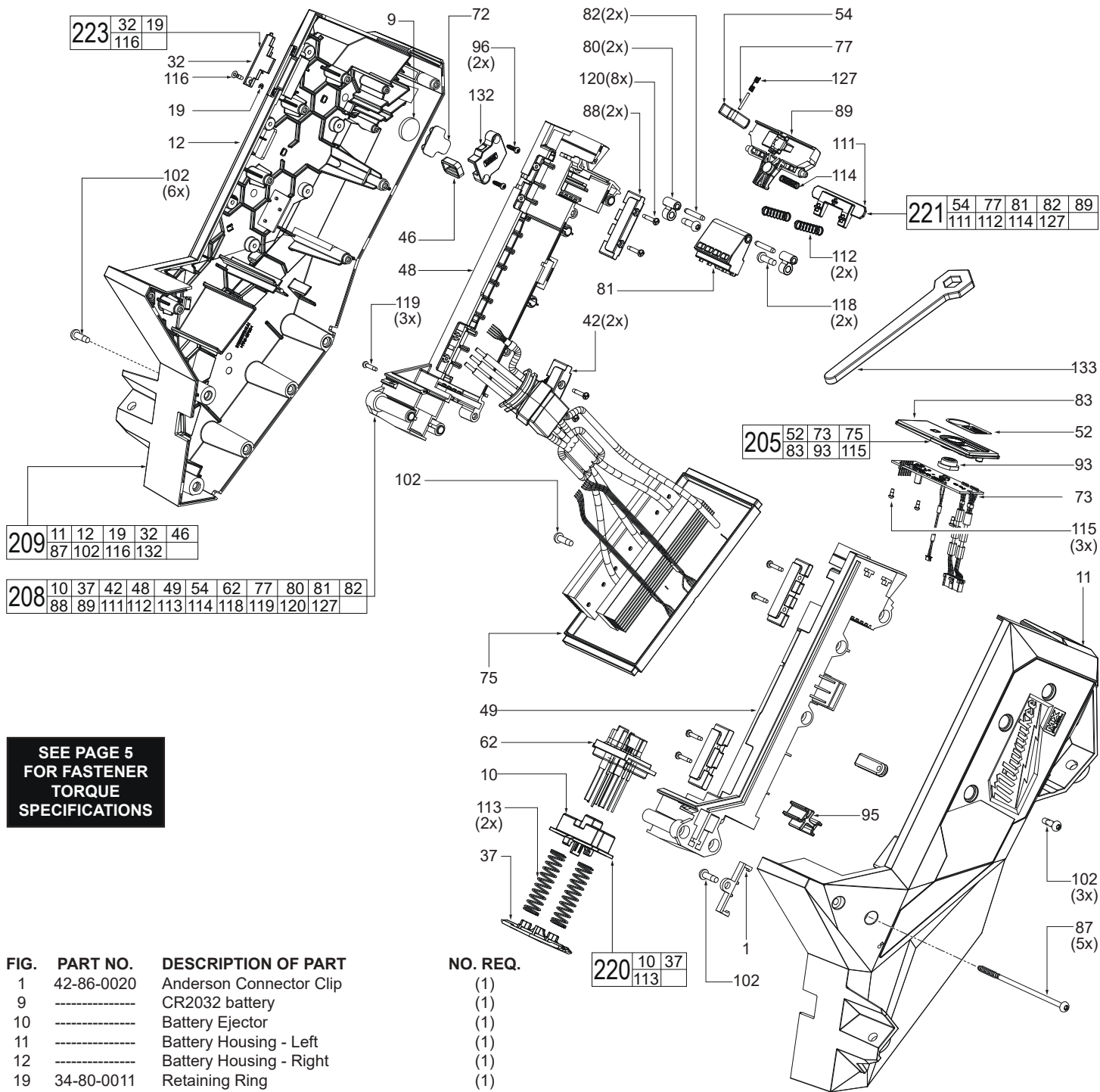
EXAMPLE:
Component Parts (Small #) Are Included
When Ordering The Assembly (Large #).



**SEE PAGE 5
FOR FASTENER
TORQUE
SPECIFICATIONS**

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
3	-----	Alternate Motor Base	(1)
5	02-02-0126	Ball Bearing	(1)
7	02-04-0231	Ball Bearing	(1)
14	05-74-0217	.375 x 2.38 Hex Head Bolt	(2)
16	05-74-0211	M8 x 25mm Hex Head Bolt	(8)
20	-----	End Cover Cap	(1)
22	23-94-0058	Wire Channel	(1)
23	22-56-0401	Wire Connector Holder	(1)
25	-----	Edge Clamp	(2)
29	42-90-0024	Coupler	(1)
30	-----	Coupling	(1)
34	28-28-0064	Exciter Housing Cover	(1)
38	-----	Fan Baffle	(1)

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
39	06-10-0017	Blade Connection Fastener	(2)
40	05-74-0207	M4 x 14mm Pan Head T-15 Screw	(6)
41	05-74-0208	M5 x 90mm Cap Hd. Hex Recess Screw	(3)
47	28-28-0063	Excitor Housing	(1)
50	-----	Vibration Isolator	(4)
58	-----	O-Ring - Motor Base	(1)
59	-----	Motor Housing	(1)
69	05-55-0036	Hex Nut	(2)
76	-----	Hall Board PCBA	(1)
86	-----	M2 x 6mm Pan Hd. Plastite T-6 Screw	(4)
90	05-92-0021	Retaining Ring	(1)
96	05-74-0098	M3 x 12mm Pan Hd. Plastite T-10 Screw	(2)
98	05-74-0097	M3.5 x 10mm Pan Hd. Plastite T-15 Screw	(2)
99	06-82-0259	M4 x 10mm Pan Hd. Plastite T-10 Screw	(2)
103	05-74-0206	M5 x 45mm Cap Hd. Hex Recess Screw	(4)
107	-----	Shell	(1)
108	36-18-0035	Coupling - Short	(1)
109	44-34-0057	Motor Mount Shroud - Cover	(1)
110	44-34-0053	Motor Mount Shroud - Support	(1)
117	06-82-2367	M3 x 38mm Pan Hd. ST T-10 Screw	(2)
121	-----	Stator Assembly	(1)
124	45-60-0072	Connector Support	(1)
126	-----	M2.6 x 10mm Pan Hd. ST T-8 Screw	(3)
130	45-88-0312	Heico-Lock Washer	(2)
131	45-88-0311	M8 Flat Washer	(8)
202	42-68-0106	Bar Clamp Hardware Service Kit	(1)
204	42-90-0032	Drive Mount Coupler Service Assembly	(1)
210	31-15-0129	Excitor Cover Service Assembly	(1)
211	14-50-0121	Vibration Isolator Service Kit	(1)
213	31-50-0149	End Cover Kit	(1)
214	-----	Rotor Assembly	(1)
215	14-20-9165	Stator Service Kit	(1)
217	-----	Hall Board Service Kit	(1)
218	36-90-0023	Excitor/Shaft Service Assembly	(1)
232	16-01-1021	Rotor/Base Service Assembly	(1)



SEE PAGE 5
FOR FASTENER
TORQUE
SPECIFICATIONS

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
1	42-86-0020	Anderson Connector Clip	(1)
9	-----	CR2032 battery	(1)
10	-----	Battery Ejector	(1)
11	-----	Battery Housing - Left	(1)
12	-----	Battery Housing - Right	(1)
19	34-80-0011	Retaining Ring	(1)
32	-----	Coin Cell Cover	(1)
37	-----	Ejection Spring Holder	(1)
42	-----	Front Metal Rail	(2)
46	43-72-0202	Wrench Grommet	(1)
48	-----	Interface - Left	(1)
49	-----	Interface - Right	(1)
52	10-20-6861	Arming Button Label	(1)
54	-----	Lockout Lever	(1)
62	-----	Terminal Block - Long	(1)
72	22-09-2810	Coin Cell PCBA	(1)
73	-----	Arming Button/Bluetooth PCBA	(1)
75	-----	Control PCBA	(1)
77	-----	Lock Off Lever Pin	(1)
80	-----	Pivot Bushing	(2)
81	-----	Pivot Latch	(1)
82	-----	Pivot Shaft	(2)
83	-----	Arming Button Plate	(1)
87	05-88-0087	M5 x 115mm Pan Hd. Plastite T-20 Screw	(5)
88	-----	Rear Metal Rail	(2)
89	-----	Release Lever	(1)
93	-----	Rubber Arm Button	(1)
95	31-86-0051	Ferrite Spacer	(1)

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
96	05-74-0098	M3 x 12mm Pan Hd. Plastite T-10 Screw	(2)
102	06-82-0256	M5 x 16mm Pan Hd. Plastite Screw	(11)
111	-----	Pivot Latch Spring Holder	(1)
112	-----	Spring	(2)
113	40-50-0119	Spring	(2)
114	40-50-8945	Spring	(1)
115	05-74-0089	M3 x 7mm Pan Hd. Phillips ST Screw	(3)
116	05-81-0233	M3 x 6mm Flat Hd. ST T-10 Screw	(1)
118	06-82-0029	M5 x 16mm Pan Hd. ST T-25 Screw	(2)
119	06-82-1080	M3 x 14mm ST T-10 Screw	(3)
120	06-82-9630	M3 x 16mm Tamperproof Non-Return Scr.	(8)
127	40-50-0124	Lock-Off Lever Torsion Spring	(1)
132	31-15-0141	Wrench Cover	(1)
133	45-96-0027	Wrench	(1)
205	42-42-0079	Arming Button Service Kit	(1)
208	31-06-0017	Battery Interface Service Assembly	(1)
209	43-76-0067	Electronics Housing Service Kit	(1)
220	14-46-0149	Battery Rail Ejector Service Kit	(1)
221	42-92-0138	Battery Rail Latch Service Kit	(1)
223	22-09-6560	Coin Cell Cover Service Kit	(1)

**SEE PAGE 5
FOR FASTER
TORQUE
SPECIFICATIONS**

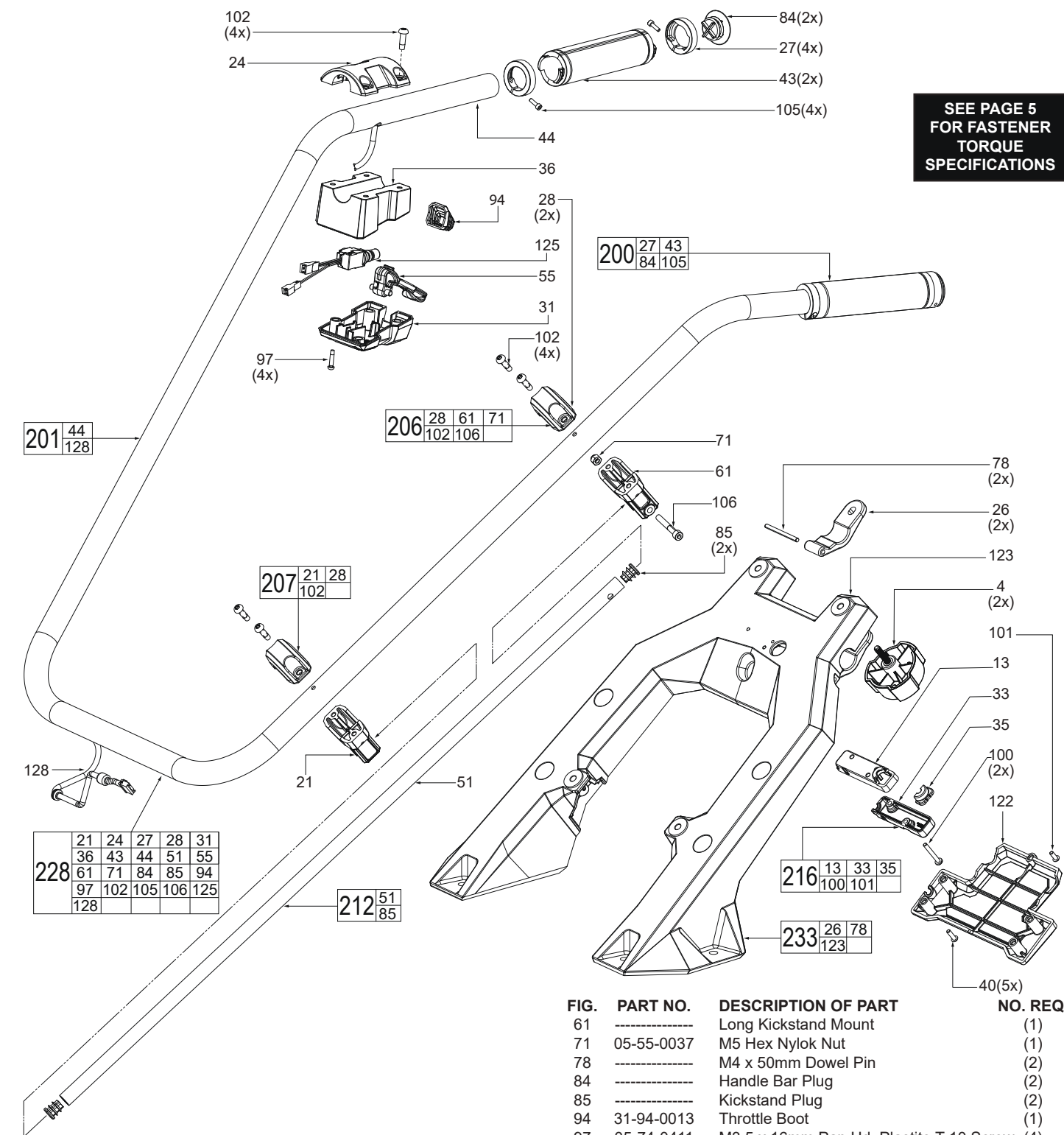


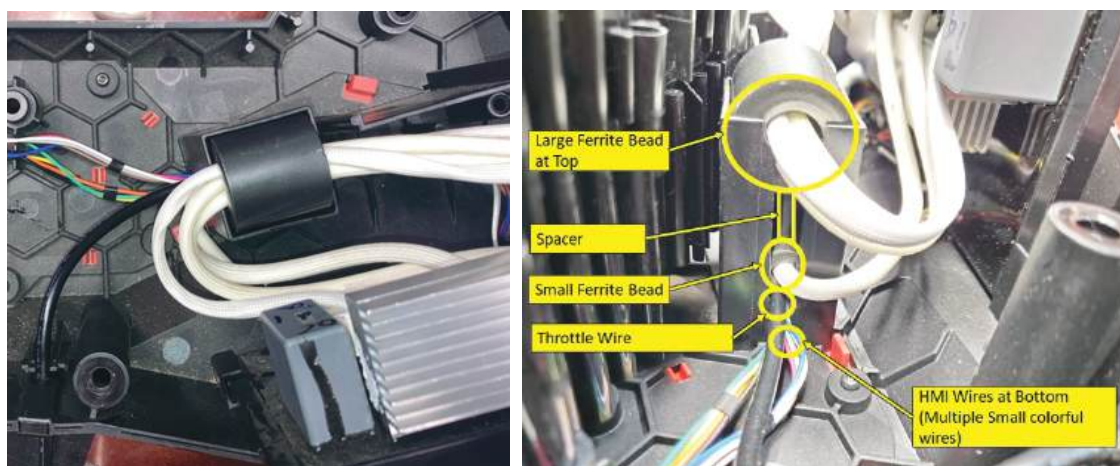
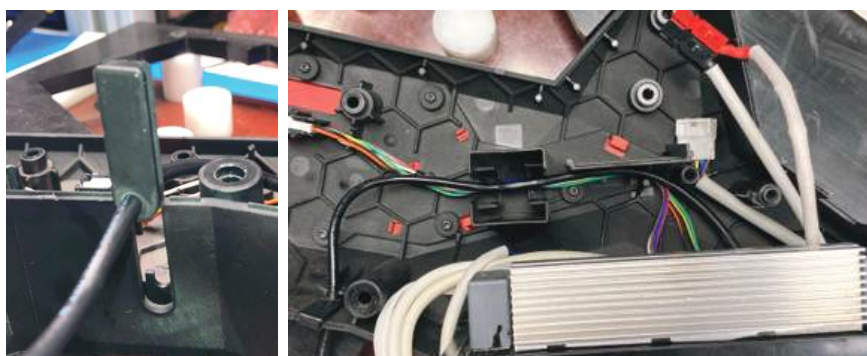
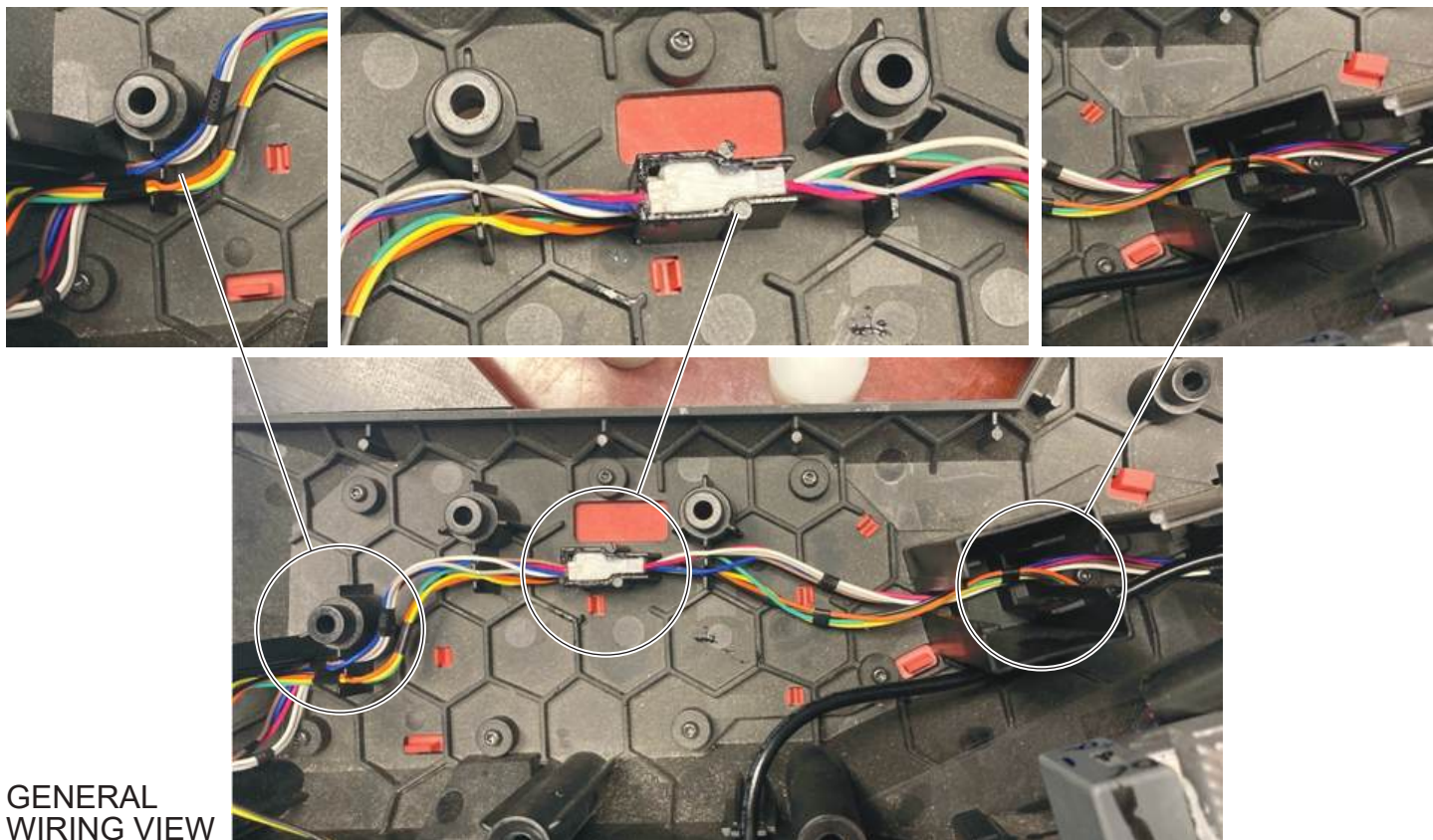
FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
4	42-68-0070	Handle/Bar Clamp Assembly	(2)
13	-----	Connector Holder - Support	(1)
21	-----	Long Kickstand Catch	(1)
24	31-44-0203	Control Clamp	(1)
26	-----	Handle Bar Clamp	(2)
27	-----	Handle Grip Clamp	(4)
28	-----	Long Kickstand Clamp	(2)
31	31-15-0219	Bottom Cover	(1)
33	-----	Connector Holder - Cover	(1)
35	-----	Grommet Support Cover	(1)
36	31-15-0223	Top Cover	(1)
40	05-74-0207	M4 x 14mm Pan Hd. T-15 Screw	(5)
43	-----	Handle Grip	(2)
44	-----	Turn-In Handle Bar	(1)
51	-----	Long Kickstand	(1)
55	44-10-0212	Throttle Lever	(1)

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
61	-----	Long Kickstand Mount	(1)
71	05-55-0037	M5 Hex Nylok Nut	(1)
78	-----	M4 x 50mm Dowel Pin	(2)
84	-----	Handle Bar Plug	(2)
85	-----	Kickstand Plug	(2)
94	31-94-0013	Throttle Boot	(1)
97	05-74-0411	M3.5 x 16mm Pan Hd. Plastite T-10 Screw	(4)
100	06-81-0167	M4 x 25mm Pan Hd. T-20 Screw	(2)
101	05-74-0214	M4 x 10mm Pan Hd Hex Recess Screw	(1)
102	06-82-0256	M5 x 16mm Pan Hd. Plastite Screw	(8)
105	05-74-0216	M3 x 10mm Shoulder Head Cap Screw	(4)
106	05-74-0213	M5 x 35mm Shoulder Head Cap Screw	(1)
122	22-68-0026	Sub-Frame Cover	(1)
123	-----	Sub-Frame Low Mount	(1)
125	23-66-0112	On-Off Switch	(1)
128	-----	Trigger Wire Assembly	(1)
200	31-44-0239	Handle Grip Service Kit	(1)
201	43-52-0910	Handle Bar Service Kit	(1)
206	44-94-0027	Kickstand Mount Service Kit	(1)
207	44-94-0033	Kickstand Catch Service Kit	(1)
212	44-94-0038	Kick Stand Service Kit	(1)
216	31-94-0022	Throttle Connector Housing Service Kit	(1)
228	31-44-0243	Complete Handle Bar Service Assembly	(1)
233	43-40-0032	Sub-Frame Service Assembly	(1)

SCREW TORQUE SPECIFICATIONS

	FIG.	PART NO.	DESCRIPTION OF FASTENER	WHERE USED	SEAT TORQUE	
					(KG/CM)	(IN/LBS)
PAGE 1	15	05-74-0209	M6 x 20mm Hex Head Bolt	Sub-Frame Assembly	100±5	86.8±4.5
	17	05-74-0212	M8 x 35mm Hex Head Bolt	Electronics Assembly	Tighten to gage	
	70	05-55-0038	8mm Hex Nut	Sub-Frame Assy./Vibration Isolator	250±12	217±10.4
PAGE 2	14	05-74-0217	.375 x 2.38 Hex Head Bolt	Edge Clamp/Excitor Housing	-----	-----
	16	05-74-0211	M8 x 25mm Hex Head Bolt	Excitor Housing	300±5	260.4±4.3
	40	05-74-0207	M4 x 14mm Pan Head T-15 Screw	Rotor Bearing Retainer	30±2	26±1.7
	40	05-74-0207	M4 x 14mm Pan Head T-15 Screw	Motor Housing	30±2	26±1.7
	41	05-74-0208	M5 x 90mm Cap Hd. Hex Recess Screw	End Cover Cap	50±5	43.4±4.3
	50	43-87-0033	Vibration Isolator	Excitor Housing	Flush to surface	
	69	05-55-0036	Hex Nut	Blade Connection Fastener	Flush to end of bolt	
	86	31-92-0052	M2 x 6mm Pan Hd. Plastite T-6 Screw	Motor Housing	4.5±1	3.9±.87
	96	05-74-0098	M3 x 12mm Pan Hd. Plastite T-10 Screw	Connector Support	8±1	7±.87
	98	05-74-0097	M3.5 x 10mm Pan Hd. Plastite T-15 Screw	Motor Mount Shroud - Cover	10±1	8.7±.87
	99	06-82-0259	M4 x 10mm Pan Hd. Plastite T-10 Screw	End Cover Cap	12±2	10.4±1.7
	103	05-74-0206	M5 x 45mm Cap Hd. Hex Recess Screw	Excitor Housing	100±3	86.8±2.6
	117	06-82-2367	M3 x 38mm Pan Hd. ST T-10 Screw	Motor Housing	8±1	7±.87
	126	-----	M2.6 x 10mm Pan Hd. ST T-8 Screw	Hall Board PCBA	6±1	5.2±.87
PAGE 3	87	05-88-0087	M5 x 115mm Pan Hd. Plastite T-20 Screw	Battery Housing - Left	17±2	14.8±1.7
	96	05-74-0098	M3 x 12mm Pan Hd. Plastite T-10 Screw	Wrench Cover	8±1	7±.87
	102	06-82-0256	M5 x 16mm Pan Hd. Plastite Screw	Battery Housing - Left	25±3	21.7±2.6
	102	06-82-0256	M5 x 16mm Pan Hd. Plastite Screw	Battery Housing - Right	25±3	21.7±2.6
	102	06-82-0256	M5 x 16mm Pan Hd. Plastite Screw	Anderson Connector Clip	25±3	21.7±2.6
	115	05-74-0089	M3 x 7mm Pan Hd. Phillips ST Screw	Arming Button/Bluetooth PCBA	7±1	6±.87
	116	05-81-0233	M3 x 6mm Flat Hd. ST T-10 Screw	Coin Cell Cover	5±1	4.3±.87
	118	06-82-0029	M5 x 16mm Pan Hd. ST T-25 Screw	Pivot Bushing	25±3	21.7±2.6
	119	06-82-1080	M3 x 14mm ST T-10 Screw	Interface - Left	6.1±1	5.2±.87
	120	06-82-9630	M3 x 16mm Tamperproof Non-Return Scr.	Rear Metal Rail/Front Metal Rail	8±1	7±.87
PAGE 4	40	05-74-0207	M4 x 14mm Pan Head T-15 Screw	Sub-Frame Cover	30±2	26±1.7
	71	05-55-0037	M5 Hex Nylok Nut	Long Kickstand Mount	15±2	13±1.7
	97	05-74-0411	M3.5 x 16mm Pan Hd. Plastite T-10 Screw	Bottom Cover	8±2	7±1.7
	100	06-81-0167	M4 x 25mm Pan Hd. T-20 Screw	Connector Holder - Cover	25±2	21.7±1.7
	101	05-74-0214	M4 x 10mm Pan Hd Hex Recess Screw	Sub-Frame Cover	25±2	21.7±1.7
	102	06-82-0256	M5 x 16mm Pan Hd. Plastite Screw	Long Kickstand Clamp	25±2	21.7±1.7
	102	06-82-0256	M5 x 16mm Pan Hd. Plastite Screw	Control Clamp	25±2	21.7±1.7
	105	05-74-0216	M3 x 10mm Shoulder Head Cap Screw	Handle Grip Clamp	10±1	8.7±.87
	106	05-74-0213	M5 x 35mm Shoulder Head Cap Screw	Long Kickstand Mount	15±2	13±1.7

WIRING INSTRUCTIONS



FERRITE TRAP
WIRE ROUTING

WIRING INSTRUCTIONS - continued



PHASE WIRES
AND BATTERY
PLUS/MINUS
ROUTING



DIELECTRIC
GREASE
PLACEMENT

PLACEMENT OF
BATTERY WIRES



ANDERSON
CONNECTOR
CLIP PLACEMENT

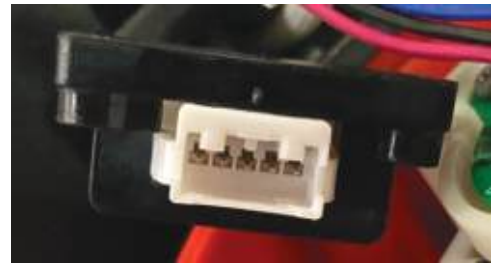
WIRING INSTRUCTIONS - continued



COIN CELL
WIRE ROUTING



THROTTLE
WIRE
THROUGH
SUBFRAME



HALL WIRES
IN PANEL
MOUNT



PHASE WIRES
AND HALL WIRES
CONNECTED

GROMMET
PLACEMENT
IN SUBFRAME



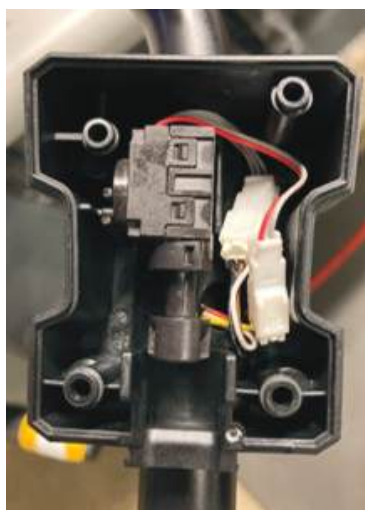
WIRING INSTRUCTIONS - continued



GROMMET
LOCATION
IN
KNEEPAD



CONNECTOR HOUSING INTERNAL WIRING & PLACEMENT



TRIGGER HOUSING WIRING
