



SERVICE PARTS LIST

BULLETIN NO.**54-05-0880****SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS**

REVISED BULLETIN

DATE

M18 FUEL 9-Gallon Dual Battery Dust Extractor

May 2024

CATALOG NO. 0888-20**SERIAL NO. J08A**

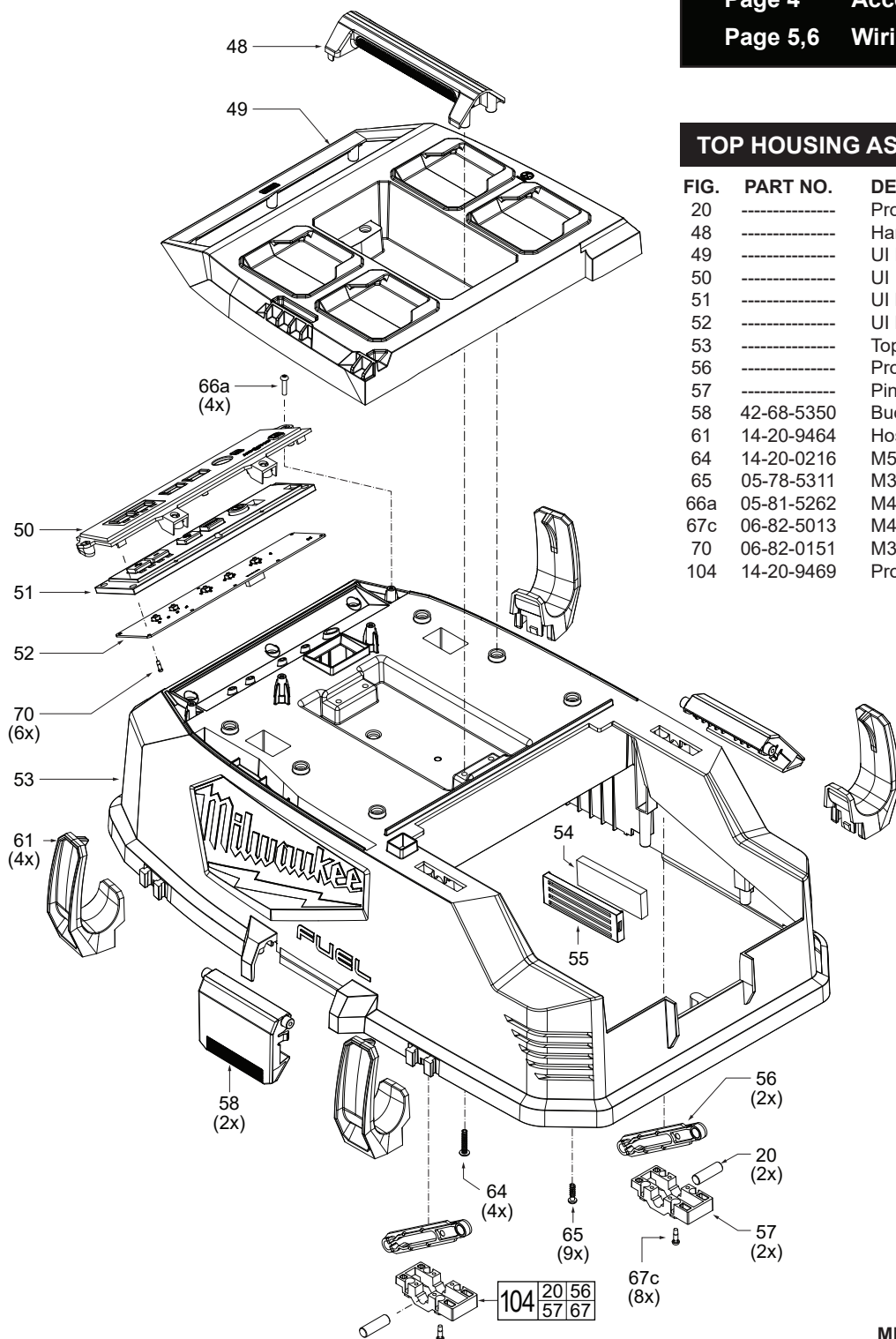
WIRING INSTRUCTION

See Pages 5 & 6**00****EXAMPLE:**Component Parts (Small #) Are Included
When Ordering The Assembly (Large #).

Page 1 Top Housing Assembly
Page 2 Bottom, Hatchback Housing,
Battery Box and PCBA
Page 3 Midframe Assembly/Torque Specs
Page 4 Accessories
Page 5,6 Wiring Diagram

TOP HOUSING ASSEMBLY

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
20	-----	Prop Rod Pin	(2)
48	-----	Handle	(1)
49	-----	UI Packout Cleat	(1)
50	-----	UI	(1)
51	-----	UI Buttons	(1)
52	-----	UI Board	(1)
53	-----	Top Housing	(1)
56	-----	Prop Rod Concept	(2)
57	-----	Pin Block Concept	(2)
58	42-68-5350	Buckle	(2)
61	14-20-9464	Hose Wrap Hook	(4)
64	14-20-0216	M5 x 25mm Taptite Screw	(4)
65	05-78-5311	M3 x 1.34 PH Torx T-10 PT Screw	(9)
66a	05-81-5262	M4 x 18mm PH Torx T-15 Screw	(4)
67c	06-82-5013	M4 x 1.411 PH Torx T-20 Screw	(8)
70	06-82-0151	M3 x 1.058 PH Torx T-8 Screw	(6)
104	14-20-9469	Prop Rod Service Kit	(2)



BATTERY BOX TOP/BOTTOM ASSEMBLY/ HATCHBACK HOUSING ASSEMBLY

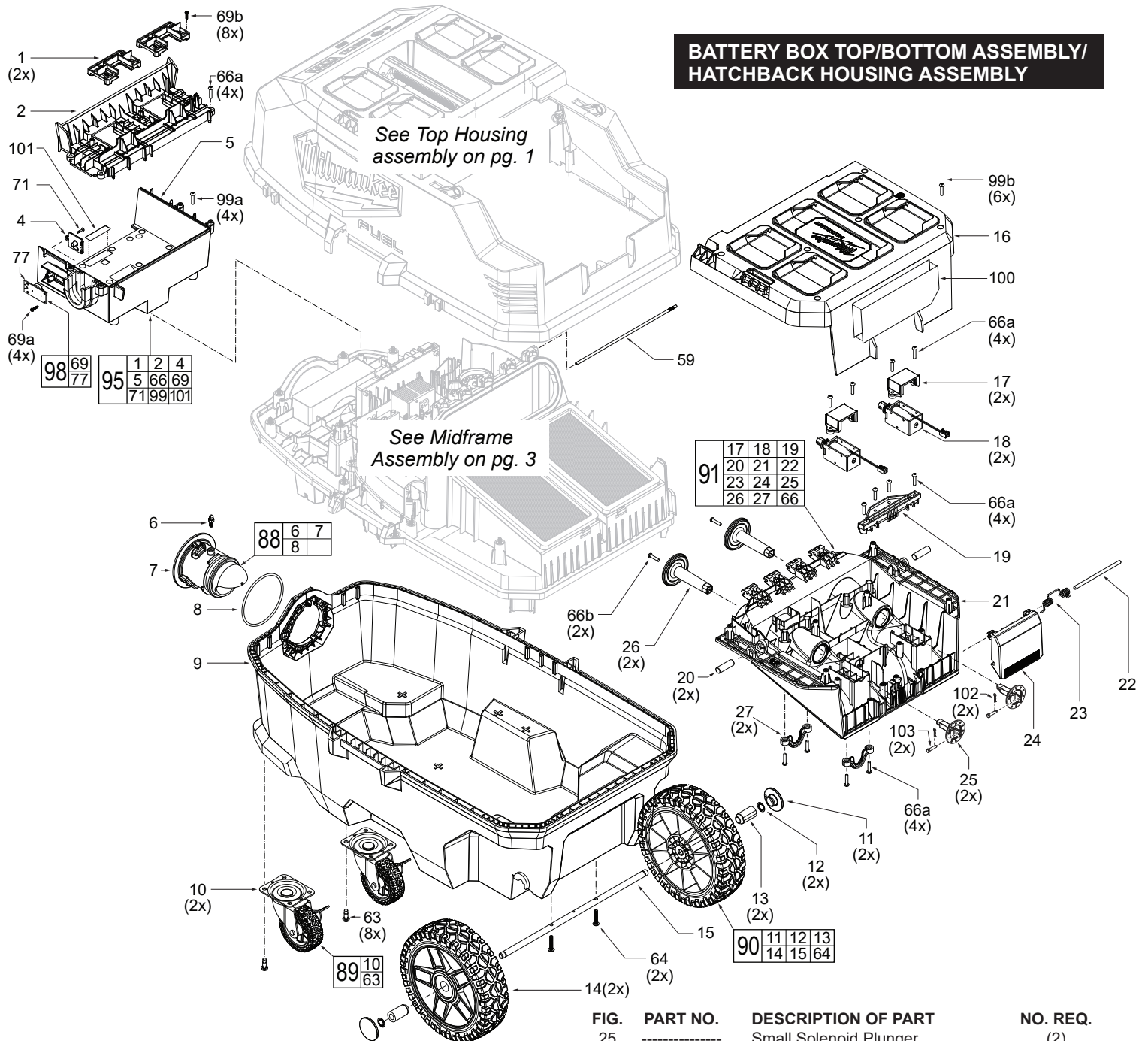


FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.	FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
1	-----	Terminal Block Cover	(2)	25	-----	Small Solenoid Plunger	(2)
2	-----	Battery Box Top	(1)	26	-----	Large Solenoid Plunger	(2)
4	-----	Coin Cell Cover	(1)	27	-----	Bracket Support Solenoid Valve	(2)
5	-----	Battery Box Bottom	(1)	59	14-20-9468	Hatch Pin	(1)
6	-----	ESD Tank Probe	(1)	63	06-82-5014	M6 x 1.814 PH Torx T-30 Screw	(8)
7	-----	Swivel Tri Turn Inlet	(1)	64	14-20-0216	M5 x 25mm Taptite Screw	(2)
8	-----	Tank Adapter O-Ring	(1)	66a	05-81-5262	M4 x 18mm PH Torx T-15 Screw	(16)
9	45-66-1005	Tank	(1)	66b	-----	-----	(2)
10	-----	Caster	(2)	69a	14-20-0218	M3 x 1.27 PH PT Taptite Screw	(4)
11	-----	Wheel Cap	(2)	69b	-----	-----	(8)
12	-----	Push Nut	(2)	71	23-44-0021	M3 x .907 FH Philips Screw	(1)
13	-----	Bushing	(2)	77	-----	Coin Cell Board	(1)
14	-----	Wheel	(2)	83	-----	AC Inlet Cover of Row	(1)
15	-----	Axle	(1)	88	45-66-1010	Tank Inlet Service Kit	(1)
16	14-20-9460	Hatch Top Cleats	(1)	89	14-20-9455	Caster Wheel Service Kit	(1)
17	-----	Solenoid Bracket	(2)	90	14-20-0215	Rear Wheel Service Kit	(1)
18	-----	Solenoid	(2)	91	14-20-9461	Hatchback Housing Service Kit	(1)
19	-----	Hatchback Housing Latch Cover	(1)	95	14-20-9453	Battery Box Top Service Kit	(1)
20	-----	Prop Rod Pin	(2)	98	14-20-9456	Coin Cell Board Service Kit	(1)
21	-----	Hatchback Housing	(1)	99a	05-88-0400	M4 x 20mm PT Screw	(4)
22	-----	Hatchback Latch Pin	(1)	99b	-----	-----	(6)
23	-----	Latch Spring	(1)	100	12-20-0388	Service Nameplate	(1)
24	-----	Hatchback Latch	(1)	101	10-22-3001	Warning Label	(1)
				102	-----	Snap Pin	(2)
				103	-----	Plunger/Solenoid Pin	(2)

SERVICE PARTS - MIDFRAME ASSEMBLY

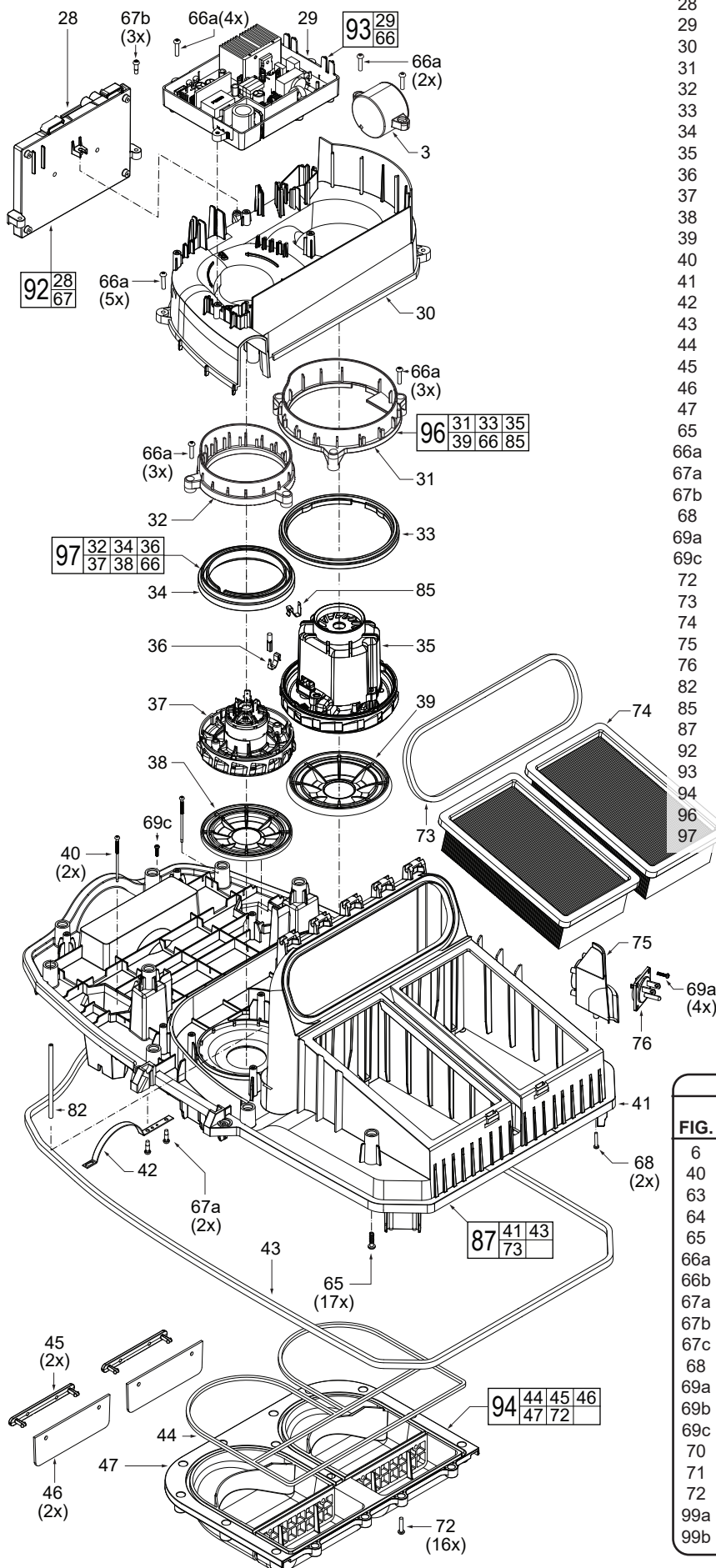


FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
3	23-94-0888	Buzzer	(1)
28	-----	AC-DC Main Board	(1)
29	-----	AC Motor Driver Board	(1)
30	14-20-9467	Motor Exhaust	(1)
31	-----	AC Motor Cover	(1)
32	-----	DC Motor Mount	(1)
33	-----	AC Motor Top Isolator	(1)
34	-----	Upper Isolator DC Motor	(1)
35	-----	AC Motor	(1)
36	-----	Motor Ground Clip	(1)
37	-----	36V Motor	(1)
38	-----	Lower Isolator DC Motor	(1)
39	-----	AC Motor Lower Isolator	(1)
40	14-20-0219	Water Sensor Probe	(2)
41	14-20-9480	Midframe	(1)
42	14-20-9458	ESD Strap	(1)
43	14-20-9470	Midframe to Tank Seal	(1)
44	-----	Lower Midframe Air Path Seal	(1)
45	-----	One Piece Rivet	(2)
46	-----	Motor Shutoff Flap	(2)
47	-----	Lower Midframe Air Path	(1)
65	05-78-5311	M3 x 1.34 PH Torx T-10 CH Screw	(17)
66a	05-81-5262	M4 x 18mm PH Torx T-15 CH Screw	(17)
67a	06-82-5013	M4 x 1.411 PH Torx T-20 Screw	(2)
67b	-----	M3 x 1.34 PH Torx T-10 CH Screw	(3)
68	06-82-0135	M3 x 1.34 PH Torx T-10 CH Screw	(2)
69a	14-20-0218	M3 x 1.27 PH PT Taptite Screw	(4)
69c	-----	M3 x 1.27 PH PT Taptite Screw	(1)
72	06-82-5015	M4 x 1.79 PH Torx T-15 PT Screw	(16)
73	14-20-9462	Hatchback Seal	(1)
74	14-20-9459	Filter	(2)
75	14-20-9451	AC Inlet Housing	(1)
76	23-33-0888	AC Inlet Wires Terminal	(1)
82	-----	Air Tube	(1)
85	-----	AC Motor Ground Clip	(1)
87	14-20-9466	Midframe Service Kit	(1)
92	14-20-9452	Main Board Service Kit	(1)
93	14-20-9480	AC Motor Driver Board Service Kit	(1)
94	14-20-9465	Lower Midframe Air Path Service Kit	(1)
96	14-20-9450	AC Motor Service Kit	(1)
97	14-20-9446	36V Motor Service Kit	(1)

TORQUE SPECIFICATIONS

FIG.	PART NO.	PART / WHERE USED	SEAT TORQUE	
			(kgf-cm)	(lb-in)
6	-----	ESD Tank Probe	9-11	8-10
40	14-20-0219	Water Sensor Probe	3-4	3
63	06-82-5014	Screw, Caster Wheels	28-32	24-28
64	14-20-0216	Screw, Rear Wheels/Top Hous.	11-13	10-11
65	05-78-5311	Screw, Top Housing	8-10	7-9
66a	05-81-5262	Screw, Multiple Locations	7-9	6-8
66b	-----	Screw, Large Solenoid Plunger	14-16	12-14
67a	06-82-5013	Screw, ESD	7-9	6-8
67b	-----	Screw, Main Board	5-7	4-6
67c	-----	Screw, Prop Rod	6-8	5-7
68	06-82-0135	Screw, AC Outlet Housing	4-6	3-5
69a	14-20-0218	Screw, AC Inlet/Coin Cell Board	4-6	3-5
69b	-----	Screw, Terminal Block	5-7	4-6
69c	-----	Screw, Midframe	6-8	5-7
70	06-82-0151	Screw, UI Board	4-6	3-5
71	-----	Screw, Coin Cell Cover	2-3	2-3
72	06-82-5015	Screw, Lower Midframe Air Path	6-8	5-7
99a	05-88-0400	Screw, Battery Box	7-9	6-8
99b	-----	Screw, Hatch Top	7-9	6-8

SERVICE PARTS - ACCESSORIES

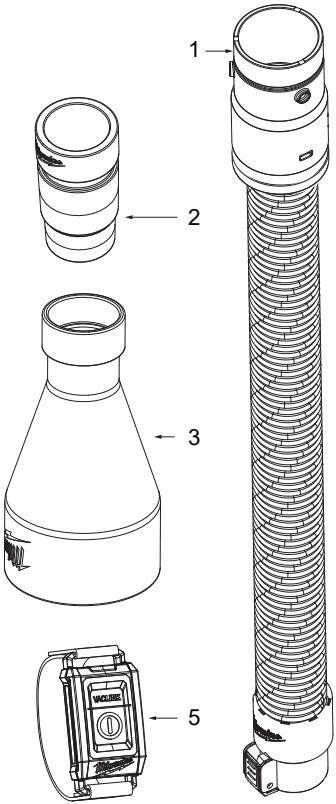
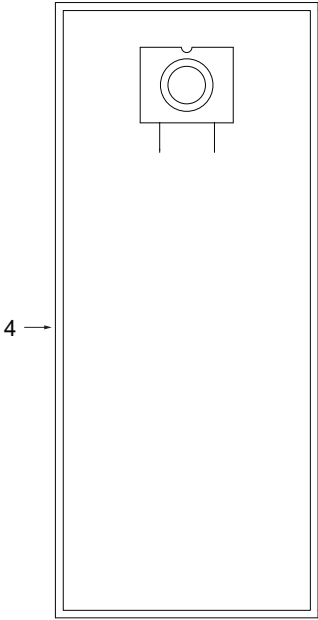
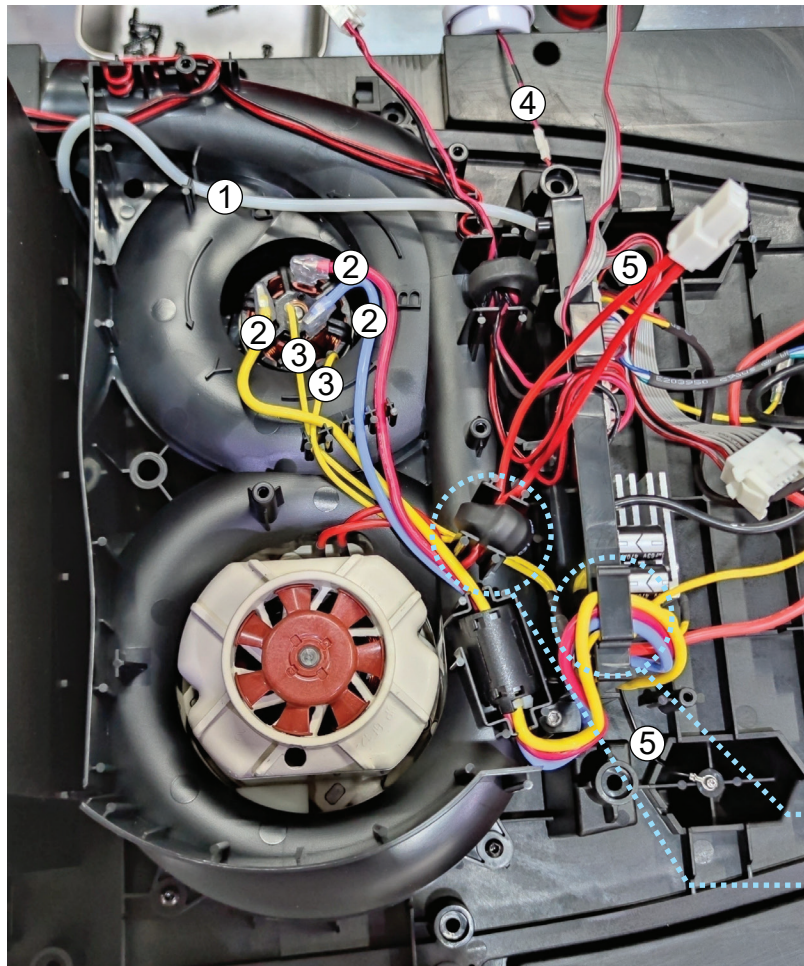


FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
1	14-20-9463	10' Hose Assembly	(1)
2	42-04-0125	Power Tool Adapter	(1)
3	42-04-0120	Table Saw Adapter	(1)
4	49-90-1969	Fleece Dust Bag (5-pk.)	(1)
5	0951-20	Wireless Dust Control Remote	(1)





WIRING INSTRUCTIONS

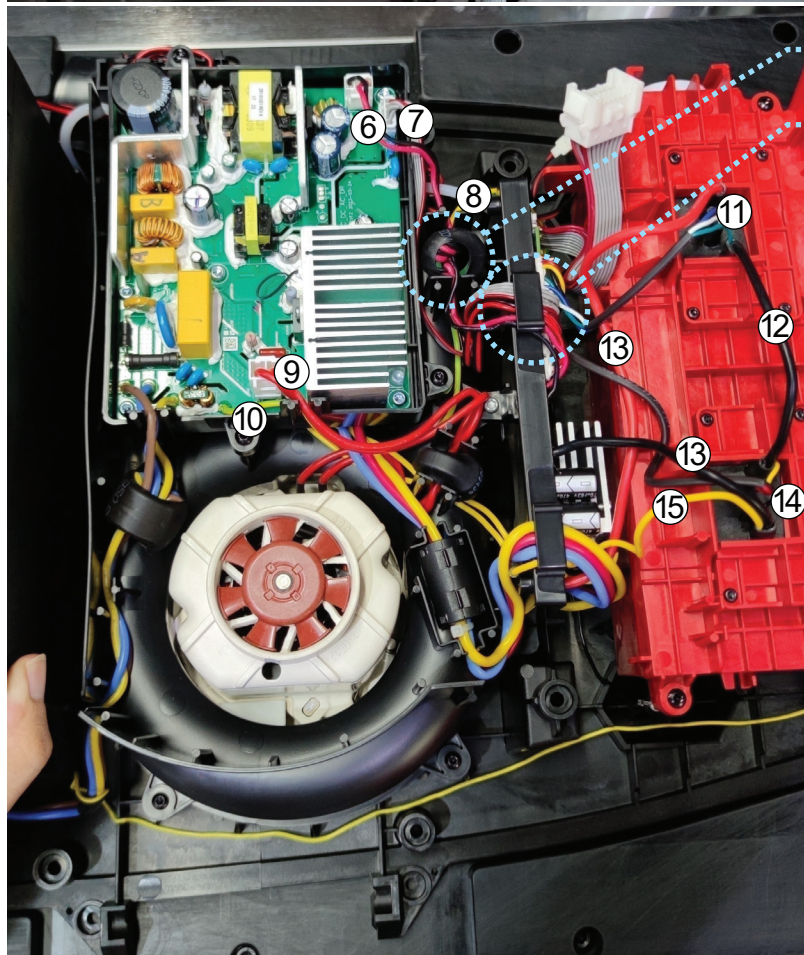
Wire Colors

Terminals/Connectors/End Wire Prep.

- | | |
|--------------------|--|
| 1. Clear | Detection porosity to pressure sensor |
| 2. Yellow/Red/Blue | Main board to DC motor |
| 3. Yellow | DC motor ground clip to battery terminal |
| 4. Black/Red | Main board to buzzer |
| 5. Black/Red | Main board to water sensor probe |

#2 and #3 wires need to be placed within snap.

#3 wires need to be placed under the magnet ring.



#8 and #10 wires need to be placed under the magnet ring.

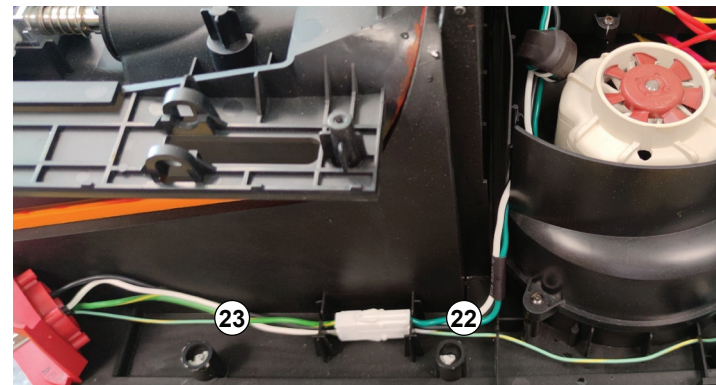
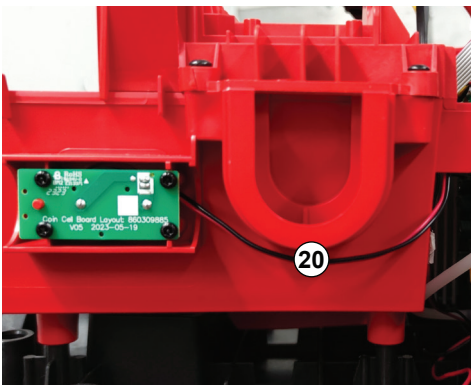
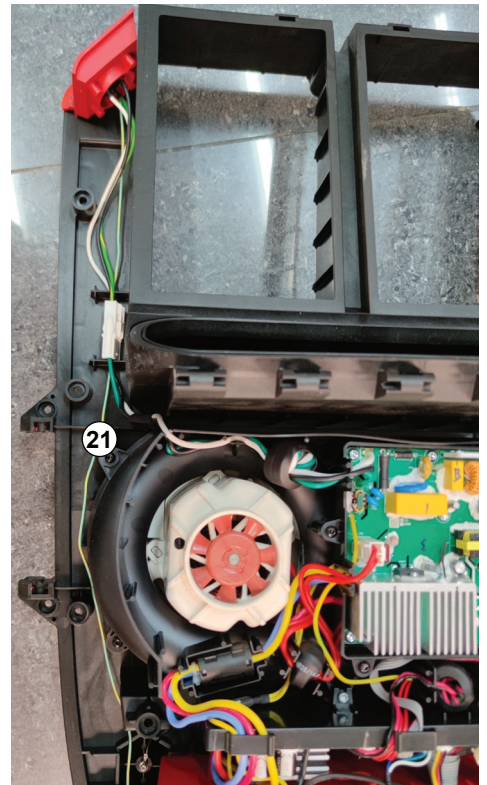
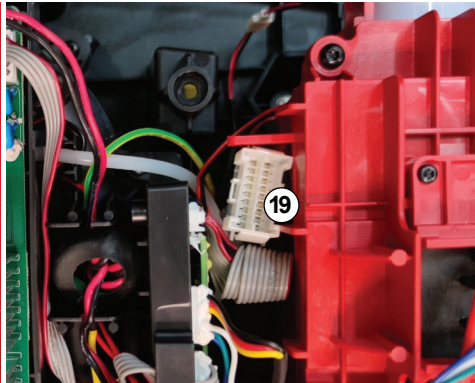
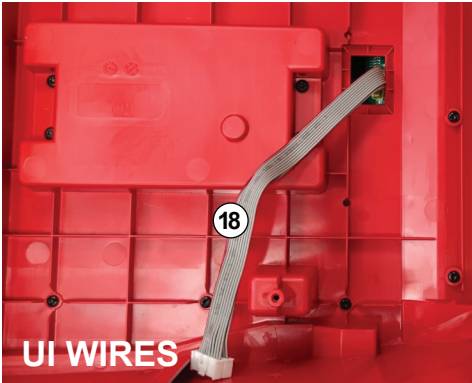
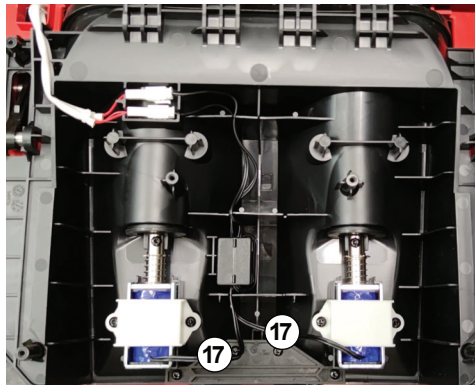
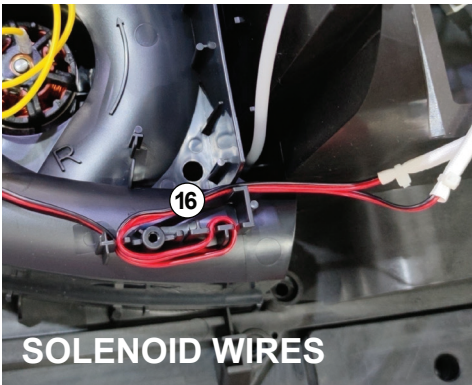
#6, #7, #8 and #16 wires need to be placed within snap.

Wire Colors

Terminals/Connectors/End Wire Prep.

- | | |
|----------------------|---|
| 6. Black/Red | Main board to AC board |
| 7. Red-Grey | Main board to AC board |
| 8. Yellow-Green | Main board to connector of AC board |
| 9. Red | AC board to AC motor |
| 10. Yellow-Green | AC motor driver board to main control board |
| 11. Green/Wht/Blue | Main board to terminal block 2 |
| 12. Black | Battery terminal to battery terminal 2 |
| 13. Black/Red | Main board to battery terminal |
| 14. Black/Red/Yellow | Main board to battery terminal 1 |
| 15. Yellow | Battery terminal to DC motor |
| 16. Black/Red | Main board to solenoid connector |

WIRE ROUTING



Wire Colors

- 16. Black/Red
- 17. Black
- 18. Red-Grey
- 19. Red-Grey
- 20. Red/Black

Terminals/Connectors/End Wire Prep.

- Main board to solenoid connector
- Solenoid to main board connector
- UI board to main board connector
- Main board to UI board connector
- Coin cell board to main control board

Wire Colors

- 21. Wht/Blk/Grn-Yel (Gnd)
Grn-Yel (ESD)
- 22. Green/Black/White
- 23. Grn-Yel/Black/White

Terminals/Connectors/End Wire Prep.

- AC plug to connector of AC driver board
- AC driver board to AC inlet connector
- AC inlet connector to AC receptacle