Milwaukee

SERVICE PARTS LIST

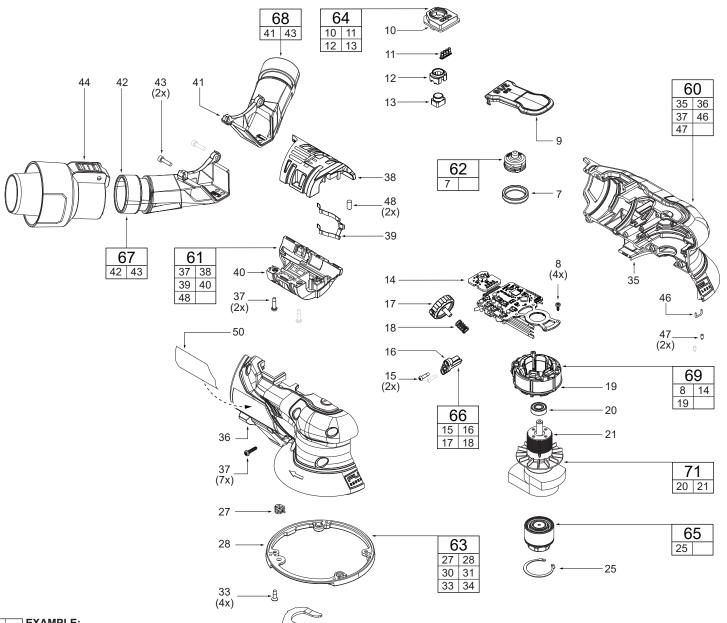
BULLETIN NO. 54-38-2700

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS

M12 FUEL™ 6" Random Orbital SANDER (3/16") 2585-20 CATALOG NO.

SERIAL NO. P16A REVISED BULLETIN DATE May 2025

> WIRING INSTRUCTION See Page 3



EXAMPLE: 00 0

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

30

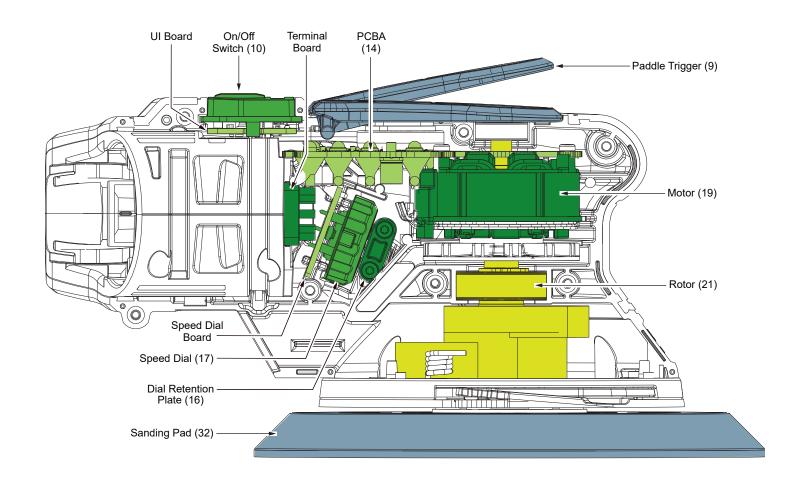
FIG. **NOTES**

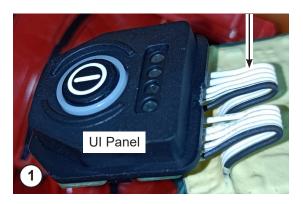
A clean, dry surface is essential for proper performance for any adhesive system. The area intended for application of any adhesive label or nameplate must be prepared by cleaning with isopropyl alcohol. The solvent is to be applied with a clean, lint free applicator and the surface allowed to dry before applying the label or name plate.

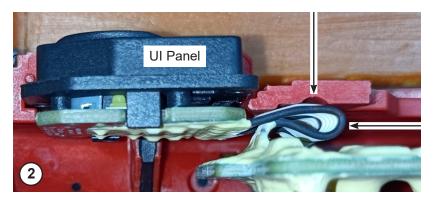
30——		SCREW TORQUE SPECIFICATIONS					
	_				SEAT TORQUE		
	⇒ FIG.	. PART NO.	WHERE USED	kgf-cm	lb-in		
3	6		Hall Sensor Holder	2±.5	1.7±0.4		
	8	05-88-0106	Hall Board	2.7±.5	2.3 ± 0.4		
31	}_) 15		Speed Dial Cap to Housing	5±1	4.3±0.8		
31	// 33		Wrench Ring to Housing	7±1	6±0.8		
	34		Wrench Frame to Ring	6±2	5±1.7		
34 Д	37	05-78-0044	Housing Support to Cover	9±1	8±0.8		
(4x)	37	05-78-0044	Battery Cage	9±1	8±0.8		
	\bigcirc		Vacuum Tube to Housing	6±1	5±0.8		
32—							

SERVICE BILL OF MATERIAL (BOM) LISTING

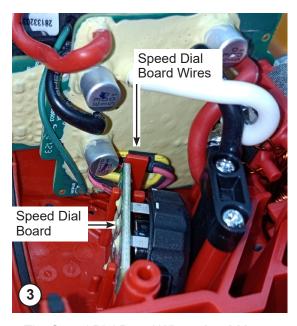
FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.	FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ
2		Hall Sensor Spring	(1)	34	06-82-0209	M3 x 10mm Flat Hd. Phillips B Screw	(4)
3		Hall Sensor Holder	(1)	35		Handle Support	(1)
4		Hall Sensor Magnet	(1)	36		Handle Cover	(1)
5		Cover Half of Spring Retention	(1)	37	05-78-0044	M3 x 12mm Pan Hd. Torx Taptite Screw	(9)
6		M2 x 7.8mm ST Screw	(3)	38		Battery Support	(1)
7		Sealing Foam	(1)	39	42-70-0480	Spring Clip	(1)
8	05-88-0106	M2 x 5.5mm Pan Head Torx T-8 Screw	(4)	40		Battery Cover	(1)
9	31-92-0043	Paddle Trigger for 3/16" Paddle	(1)	41		Left Hand Vacuum Port	(1)
10			(1)	42		Right Hand Vacuum Port	(1)
11		Light Pipe	(1)	43		M3 x 12mm Cap Hd. Hexagon M Screw	(2)
12		Power Mode Lense	(1)	44		Vacuum Adaptor	(1)
13		UI Power Bottom	(1)	46	42-70-0080	Wire Clip	(1)
14		PCBA for the 3/16" version	(1)	47	45-30-0047	Rubber Slug	(2)
15		M2.6 x 10mm Torx T-8 Taptite Screw	(2)	48		Rubber Slug, OD5 x 9	(2)
16		Dial Retention Plate	(1)	50		Service Nameplate	(1)
17		Speed Dial	(1)	60	14-46-0133	Handles Kit	(1)
18	40-50-0200	7 x 11mm Spring	(1)	61	14-46-0184	Battery Support Kit	(1)
19		Motor Field, 12V-DC BL45	(1)	62	14-46-0187	Sensor Trigger Assembly	(1)
20	02-04-0071	Deep Groove Ball Bearing	(1)	63	14-46-0319	Quick Change Mech Kit	(1)
21		Rotor	(1)	64	14-46-0261	UI Bottom Kit	(1)
23		Rubber Gasket	(1)	65	14-46-0299	Retention Assembly	(1)
24		BP Attachment Nut	(1)	66	14-46-0269	Speed Dial Kit	(1)
25		Internal Inverted Retaining Ring	(1)	67	14-46-0323	Right Hand Vacuum Port Kit	(1)
26		Quick Change Hinge	(1)	68		Left Hand Vacuum Port Kit	(1)
27		Torsion Spring	(1)	69	14-46-0199	PCBA / Motor Assembly for 3/16"	(1)
28		Quick Change Mechanism Ring	(1)	71	14-46-0293	Rotor Assembly for 3/16"	(1)
30		Quick Change Wrench	(1)	80	49-36-2584	6" Hook & Loop Backing Pad - Firm	(1)
31		Quick Change Frame Ring	(1)			- Accessory (Not Shown)	
32		6" Pad for 3/16" Orbit Sander	(1)	81	49-36-2586	6" PSA Pressure & Sensitive Adhesive	(1)
33		M3 x Flat Head Torx T-10 Taptite Screw	(4)			- Firm - Accessory (Not Shown)	. ,





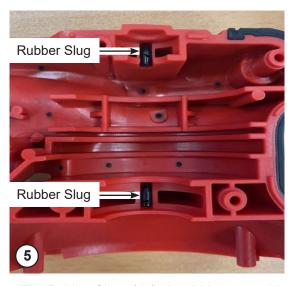


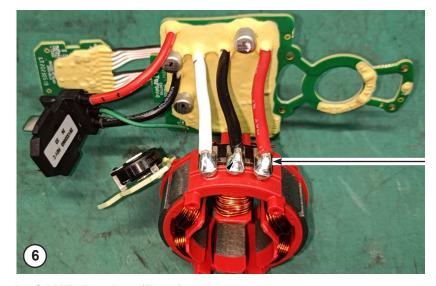
- The UI Wires should be folded (Fig. 1) first and then routed inside the Housing (Fig. 2)





- The Speed Dial Board Wires **should be routed behind the rib** (Fig. 3)
- The 3 Terminal Board Wires should be routed to <u>avoid them being above the Speed Dial</u>. (Fig. 4) There should be no wires above the Speed Dial.





- The Rubber Slugs (47) should be assembled in the SAME direction. (Fig. 5)
- Solder phase wires to stator (Fig. 6)