



M18 BOS125

SERVICE PARTS LIST

TTI Model Number: 018 275 007

M18™ RANDOM ORBITAL SANDER

Bulletin Date:

Mar-20

Starting Serial Number:

VERSION A - D2019

ITEM	PART NUMBER	PART DESCRIPTION	QTY (PCS)
1	661398002	M2.6 X 8MM SCREW	2
2	639703001	SPEED DIAL HOLDING PLATE	1
3	533587001	SWITCH LEVER	1
4	280085119	ELECTRONICS ASSEMBLY	1
4a	-	SPEED DIAL	1
5	533682001	SWITCH HOLDER	1
6	691093001	COMPRESSION SPRING	1
10	-	RIGHT HOUSING HALVE - COVER	1
12	564585001	SILICONE SLUG	4
13	-	LEFT HOUSING HALVE - SUPPORT	1
18	564453001	DRIVE BELT	1
20	640835002	FAN/COUNTER BALANCE	1
23	660369007	#8-32 SCREW	1
24	590936009	BRAKE (NEW)	1
24	590936005	BRAKE (OLD)	1
25	300527008	5" DISC ASSEMBLY	1
26	660011004	10-32 X 1/4" SCREW	4
27	-	5" SAND PAPER	1
28	660370005	8-18 X 5/8" SCREW	5
29	-	DUST BOX COVER WITH GASKET	1
30	313101001	DUST BOX FILTER	1
31	-	SCREW	4
32	-	DUST BOX BODY	1
33	313256001	EXTENSION ADAPTER	1
35	204275002	VACUUM ADAPTER (NEW)	1
35	313264001	VACUUM ADAPTER (OLD)	1
36	941049392	NAMEPLATE	1
37	562913001	SILICONE SLUG	2
38	941300126	WARNING LABEL	1
40	204901002	HOUSING KIT	1
41	204902001	BEARING ASSEMBLY	1
42	208380001	MOTOR/PULLEY/SHAFT ASSEMBLY	1
43	204903001	DUST BOX ASSEMBLY	1
44	850010011	FERRITE BEAD	1



M18 BOS125

SERVICE INSTRUCTION

TTI Model Number: 018 275 007

M18™ RANDOM ORBITAL SANDER

Bulletin Date:

Mar-20

Starting Serial Number:

VERSION A - D2019

NOTE:

The electronics assembly (4) and motor/pulley/shaft assembly (42) are separate service assemblies. If either needs replacing, the red and blue pcba leads must be unsoldered from the motor terminals. When reconnecting the two assemblies, the red wire must be connected to the motor terminal marked with a red dot. Care must be taken to properly hook stripped area of the wire through the terminal hole. Apply enough solder to cover hooked wire strands on terminals.

1. Carefully reinstall the electronics assembly (4), being sure to place pcba and battery connector block with spring (6) firmly and squarely in corresponding cavities of left housing half (13). Trap post of speed dial (4a) with holding plate (2) and two screws (1).



2. Place drive belt (18) onto drive pulley of motor/pulley/shaft assembly (42). Work belt onto smaller pulley. Install motor/pulley/shaft assembly squarely and firmly in corresponding cavities of left housing half (13).
3. Install fan (20) onto shaft.
4. Align raised guides on top of brake (24) with slots of left housing half. Gently work guides into slots.
5. Install bearing assembly (41) onto shaft. Secure with washer head screw (23).
6. Position disc assembly (25) over brake (24), aligning the four holes in disc assembly with the four holes in the bearing assembly (41). Secure with 4 screws (26).
7. Place switch holder (5) into left housing half. Place switch of electronics assembly into switch holder.
8. Install switch lever (3) into left housing being sure that notch on bottom of lever captures the switch post.
9. Be sure all components are seated squarely and that all wires are properly routed and trapped.
10. Carefully place right housing half (10) over left housing half and into the raised guides of brake. Be sure there are no interferences prior to securing with 5 housing screws (28).
11. Prior to installing battery, check for the proper functionality of switch lever (3).
12. Install battery and check for proper operation of tool.

