

# WIRING INSTRUCTIONS

TITLE

**VARIABLE SPEED BAND SAW**

**BULLETIN**

MILWAUKEE ELECTRIC TOOL CORP. 13135 WEST LISBON RD. BROOKFIELD, WIS.

DATE  
Jan. 2009

**58-01-6230**

AS AN AID TO REASSEMBLY, TAKE NOTICE OF WIRE ROUTING AND POSITION IN WIRE GUIDES AND TRAPS WHILE DISMANTLING TOOL.

BE CAREFUL AND AVOID PINCHING WIRES BETWEEN HANDLE HALVES WHEN ASSEMBLING.

Assemble Insulator 23-16-1340 with large side slot facing ground screw in Motor Housing (small slot towards right handle, as shown). Route leads #5 and #8 through large opening in Insulator before placing it in Motor Housing. Secure wires #3, #5 and #8 with nylon tie 22-78-0110 just above the Insulator.

INSULATOR

Terminals 'T2' connect to brush tubes from wires #8 and 10.

BRUSH TUBES

Position with terminal tabs to the top

FIELD

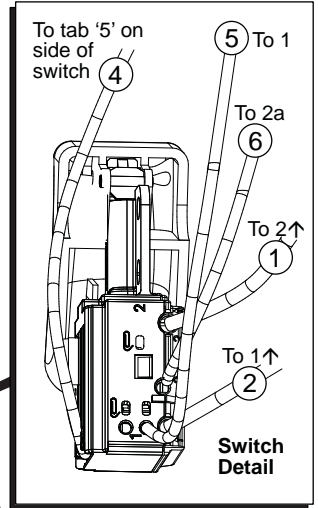
Field wire #5 along with ground wire #3 and leadwire assy. #8 are to be routed behind this vent. Hold wires in place with rubber insulator 43-86-6230.

When connecting terminal 'T5' from wire #4 onto switch terminal tab, be careful not to bend the tab.

Heat Sink to be placed here with wires facing back towards the right handle half.

Dial Assembly to be placed here.

Cord jacket to extend 1/4" min. beyond the cord clamp area in handle halves.



**WIRE ASSEMBLY PROCEDURE:**

- STEP 1:** Black wire #4 to be routed through traps J, H, A, D, E and F to tab '5' on side of switch.
- STEP 2:** Black wire #6 to be routed through traps J, G, A, C and D to the '2a' cavity of switch.
- STEP 3:** Black wire #1 to be routed through traps A, C and D to the '2↑' cavity of switch.
- STEP 4:** White wire #2 to be routed through traps A, C and D to the '1↑' cavity of switch.
- STEP 5:** Green wire #3 to be routed through traps G, J and K to the motor housing. Secure T1 with ground screw.
- STEP 6:** Yellow wire #5 to be routed through traps K, J, H, A, B, C and D to the '1' cavity of switch.
- STEP 7:** Connect terminal of Black wire #7 to terminal of Black wire #8. Routed Black wire #8 through trap L.

**WIRING SPECIFICATIONS**

Wire No.	Wire Color	Origin or Gauge	Length	Terminals, Connectors and 1 or 2 End Wire Preparation
1	Black	Cord (16)	3-1/8"	Component of 22-64-0555. Strip 5/16" and tin for location '2↑' on Switch.
2	White	Cord (16)	4"	Component of 22-64-0555. Strip 5/16" and tin for location '1↑' on Switch.
3	Green	Cord (16)	7-7/8"	Component of 22-64-0555. Strip 3/16" for T1.
4	Black	14-20-6230	7-1/2"	Component of Dial Assembly. Connect T5 to terminal tab on switch.
5	Yellow	Field (18)	12-1/8"	Component of 18-30-0120. Strip 3/16" and tin for location '1' on Switch.
6	Black	Heat Sink (18)	7-3/8"	Part of Dial Assy. 14-20-6230. Strip 3/16" and tin for location '2a' on Switch.
7	Black	Heat Sink (18)	3-3/4"	Component of Dial Assembly 14-20-6230. Connect T3 to T4 on wire #8.
8	Black	23-94-0470	3-1/2"	Leadwire Assy. Connect T4 to T3 on wire #7. Connect T2 to left brush tube.
9	Black	Heat Sink (18)	3-1/8"	Component of Dial Assembly 14-20-6230.
10	Brown	Field (18)	3-1/8"	Component of 18-30-0120. Connect T2 to right brush tube.

**BULK LEAD WIRE - BULLETIN NO. 58-01-0003**

**NOTE:**

All leads must be held to ± 1/8".  
All lead lengths are before stripping.

**TERMINAL DESCRIPTION**

Code	Part No.	Qty.
T1	23-74-0840	1
T2	23-74-0900	2
T3	----	1
T4	----	1
T5	----	1