WIRING INSTRUCTIONS

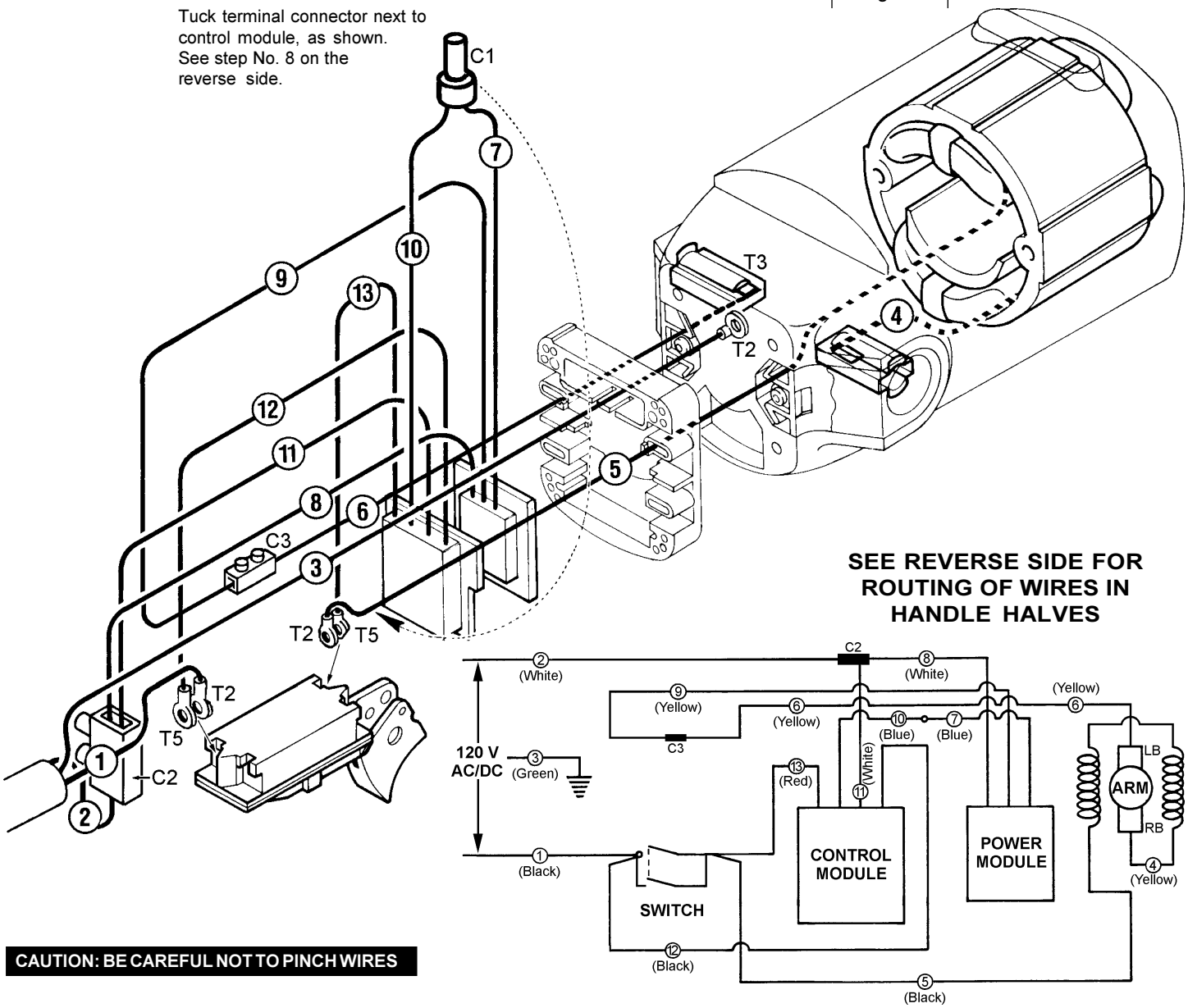
TITLE

SOFT START SANDER / GRINDER

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

DATE
Aug. '99

BULLETIN
58-01-1308



CAUTION: BE CAREFUL NOT TO PINCH WIRES

WIRING SPECIFICATIONS

Wire No.	Wire Color	Origin or Part No.	Ga.	Length	Terminals, Connectors and End Wire Preparation
1	Black	Cord	14	1 3/4"	Strip 5/32" for T2
2	White	Cord	14	1 3/4"	Strip 5/16" for T4, terminate to C2
3	Green	Cord	14	7"	Strip 5/32" for T2
4	Yellow	Field	16	2 3/4"	Strip 3/16" T3
5	Black	Field	16	7"	Strip 5/32" for T2
6	Yellow	Brush Holder	16	6"	Strip 3/16" and tin for C3, strip 3/16" for T3
7	Blue	Power Module	22	-----	Terminate with wire #10 for C1
8	White	Power Module	16	-----	Strip 5/16" for T4, terminate with wire #11 for C2
9	Yellow	Power Module	16	3"	Strip 3/16" for C3
10	Blue	Control Module	22	-----	Terminate with wire #7 for C1
11	White	Control Module	22	-----	Strip 5/16" and terminate with wire #8 for C2
12	Black	Control Module	22	-----	Strip 5/32" max. for T5
13	Red	Control Module	22	-----	Strip 5/32" max. for T5

BULK LEAD WIRE - BULLETIN 58-01-0003

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

TERMINAL DESCRIPTION

Code	Part No.	Qty.
T2	23-74-0840	3
T3	23-74-0610	2
T4	23-74-0385	2
T5	23-74-0895	2

CONNECTOR DESCRIPTION

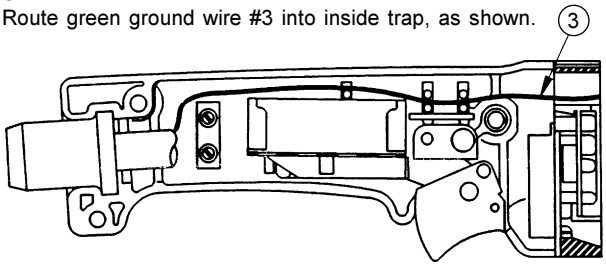
Code	Part No.	Qty.
C1	22-56-0150	1
C2	22-56-0480	1
C3	22-56-0456	1

Drwg. 3

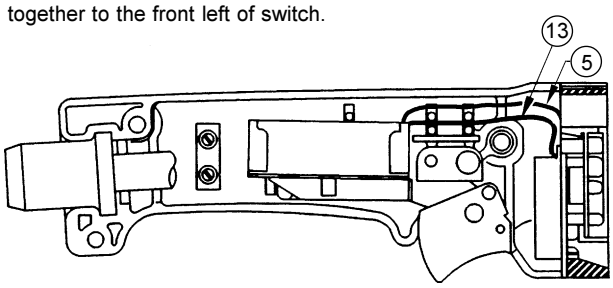
NOTES:
- Reference lead wire origins and preparation from wiring specifications table.
- Steps 2 - 8 show individual wire routings only.
- Crimp terminals per ES 13-15.
- Cord to be 3/8" minimum past cord clamp when handle halves are closed.

STEP 1
Place electronic modules into insulating spacer.
Screw left handle half to motor housing,
being careful not to pinch wires.

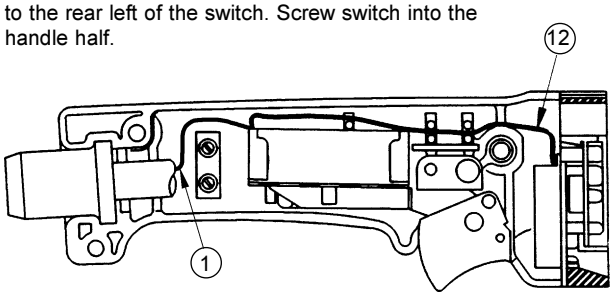
STEP 2
Route green ground wire #3 into inside trap, as shown.



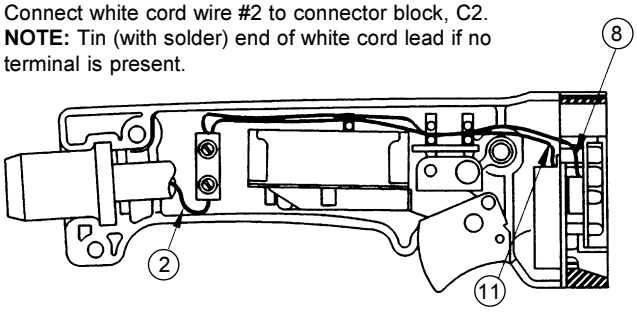
STEP 3
Route red wire #13 into inside trap and route black field wire #5 into the outside trap, as shown. Screw both together to the front left of switch.



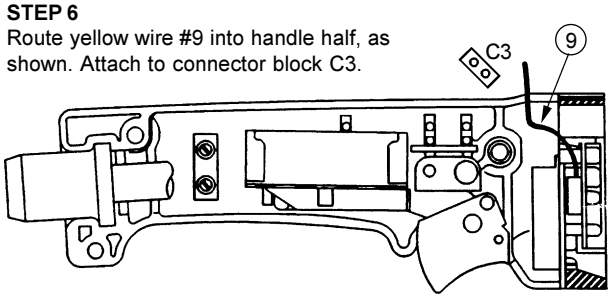
STEP 4
Route black wire #12 into inside trap, as shown.
Screw the black cord wire #1 along with #12 together to the rear left of the switch. Screw switch into the handle half.



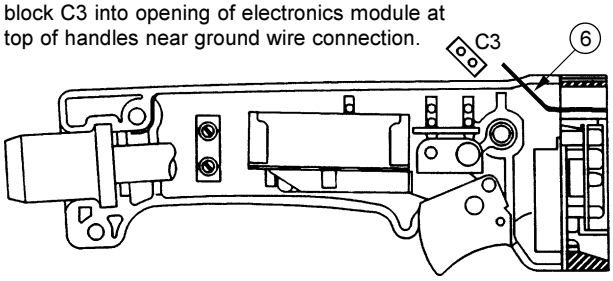
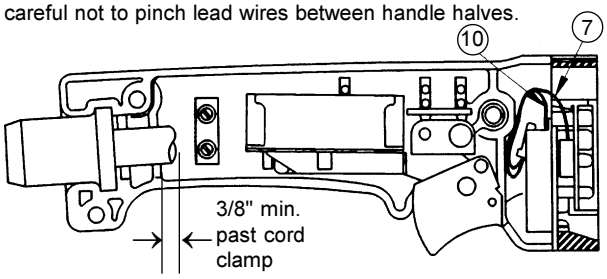
STEP 5
Route white wires #8 and #11 into inside trap, as shown.
Connect white cord wire #2 to connector block, C2.
NOTE: Tin (with solder) end of white cord lead if no terminal is present.



STEP 6
Route yellow wire #9 into handle half, as shown. Attach to connector block C3.



STEP 7
Route yellow wire #6 into handle half, as shown. Attach to connector block C3. Push connector block C3 into opening of electronics module at top of handles near ground wire connection.



STEP 8
For blue leads #7 and #10, fold back connector towards top of handle half and insert into pocket by electronics module in front of screw boss, as shown. Install second handle half being careful not to pinch lead wires between handle halves.