

# WIRING INSTRUCTIONS

TITLE

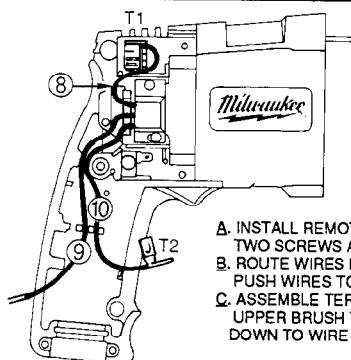
DOUBLE GEAR REDUCTION MAGNUM

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

DATE  
Mar. '88

BULLETIN

58-01-0074

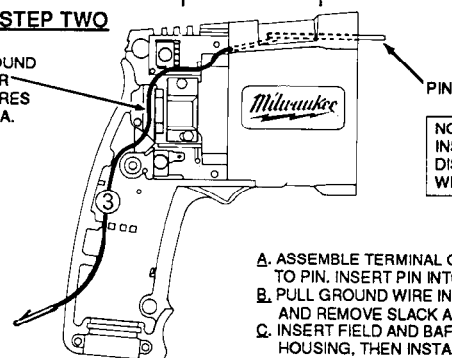


## STEP ONE

- INSTALL REMOTE ELECTRONICS MODULE WITH TWO SCREWS AS SHOWN
- ROUTE WIRES NO. 8, 9, & 10 AS SHOWN. PUSH WIRES TO BOTTOM OF TRAPS.
- ASSEMBLE TERMINAL ON WIRE NO. 8 TO UPPER BRUSH TERMINAL. BEND TERMINALS DOWN TO WIRE STOP.

## STEP TWO

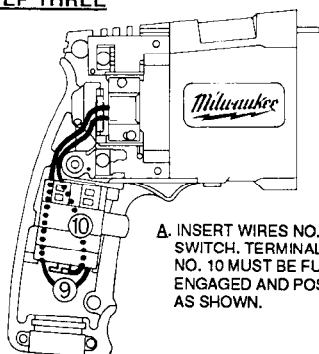
ROUTE GROUND WIRE UNDER MODULE WIRES IN THIS AREA.



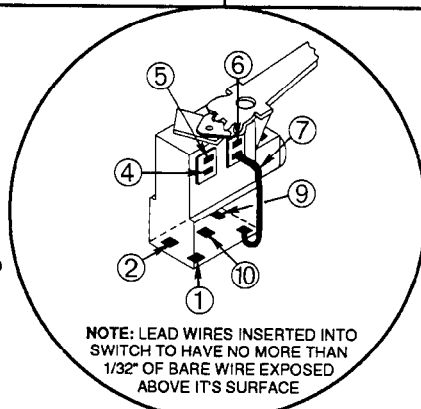
NOTE: FOR DOUBLE INSULATED TOOLS DISREGARD GROUND WIRE NO. 3.

- ASSEMBLE TERMINAL ON GROUND WIRE TO PIN. INSERT PIN INTO MOTOR HOUSING.
- PULL GROUND WIRE INTO WIRE TRAPS AND REMOVE SLACK AS SHOWN.
- INSERT FIELD AND BAFFLE INTO MOTOR HOUSING, THEN INSTALL FIELD SCREWS.

## STEP THREE

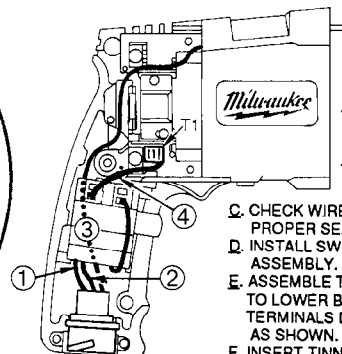


- INSERT WIRES NO. 9 & 10 INTO SWITCH. TERMINAL ON WIRE NO. 10 MUST BE FULLY ENGAGED AND POSITIONED AS SHOWN.



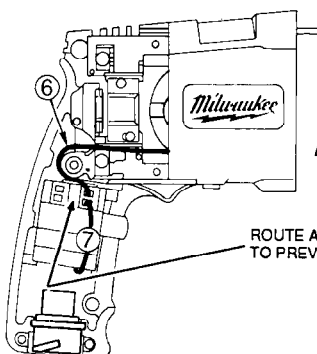
NOTE: LEAD WIRES INSERTED INTO SWITCH TO HAVE NO MORE THAN 1/32" OF BARE WIRE EXPOSED ABOVE IT'S SURFACE

## STEP FOUR



- INSERT WIRES NO. 1 & 2 FROM PIN HOUSING ASSY. INTO SWITCH.
- INSERT TERMINAL ON GROUND WIRE NO. 3 INTO PIN HOUSING.
- CHECK WIRES NO. 3, 9 & 10 FOR PROPER SEATING.
- INSTALL SWITCH AND PIN HOUSING ASSEMBLY.
- ASSEMBLE TERMINAL ON WIRE NO. 4 TO LOWER BRUSH TERMINAL. BEND TERMINALS DOWN TO HOUSING AS SHOWN.
- INSERT TINNED END OF WIRE NO. 4 INTO SWITCH AND ROUTE AS SHOWN.

## STEP FIVE

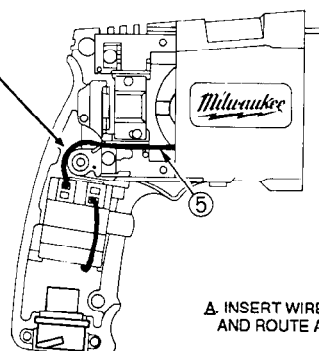


- INSERT WIRE NO. 6 INTO THE SWITCH AND ROUTE AS SHOWN.

ROUTE ALL WIRES CLEAR OF THIS AREA TO PREVENT PINCHING.

PUSH SLACK WIRE DOWN INTO CAVITY IN THIS AREA.

## STEP SIX



- INSERT WIRE NO. 5 INTO THE SWITCH AND ROUTE AS SHOWN.

## WIRING SPECIFICATIONS

| Wire No. | Wire Color | Origin or Gauge | Length | Terminals, Connectors and 1 or 2 End Wire Preparation |
|----------|------------|-----------------|--------|-------------------------------------------------------|
| 1        | White      | *               | —      | Component of Pin Housing Assy. *                      |
| 2        | White      | *               | —      | Component of Pin Housing Assy. *                      |
| 3        | Green      | *               | —      | Component of Pin Housing Assy. *                      |
| 4        | White      | 23-94-9635      | 2-1/4" | Strip 5/16" and Tin / Strip 3/16" For T1.             |
| 5        | Blue       | Field           | 4"     | Strip 5/16" and Tin.                                  |
| 6        | White      | Field           | 4"     | Strip 5/16" and Tin.                                  |
| 7        | —          | —               | —      | Component of Switch.                                  |
| 8        | Black      | Module          | 2-1/2" | Strip 3/16" For T1.                                   |
| 9        | Black      | Module          | 6-1/2" | Strip 5/16" and Tin.                                  |
| 10       | Black      | Module          | 6-1/2" | Strip 3/16" For T2.                                   |

\* See Service Parts List

## NOTE:

All leads must be held to  $\pm 1/8"$ .  
All field leads to be measured from and perpendicular to laminations.  
All lead lengths are before stripping.

## TERMINAL DESCRIPTION

| Code | Part No.   | Qty. |
|------|------------|------|
| T1   | 23-74-0615 | 2    |
| T2   | 23-74-0900 | 1    |

## CONNECTOR DESCRIPTION

|  |  |  |
|--|--|--|
|  |  |  |
|--|--|--|