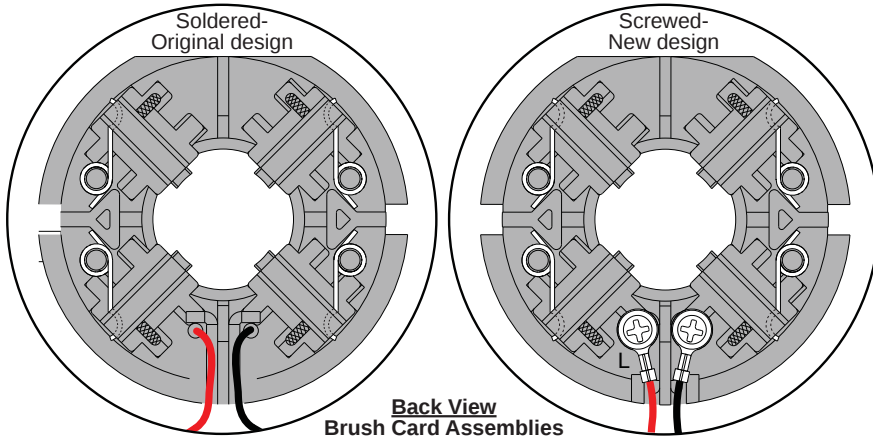


Drwg. 5



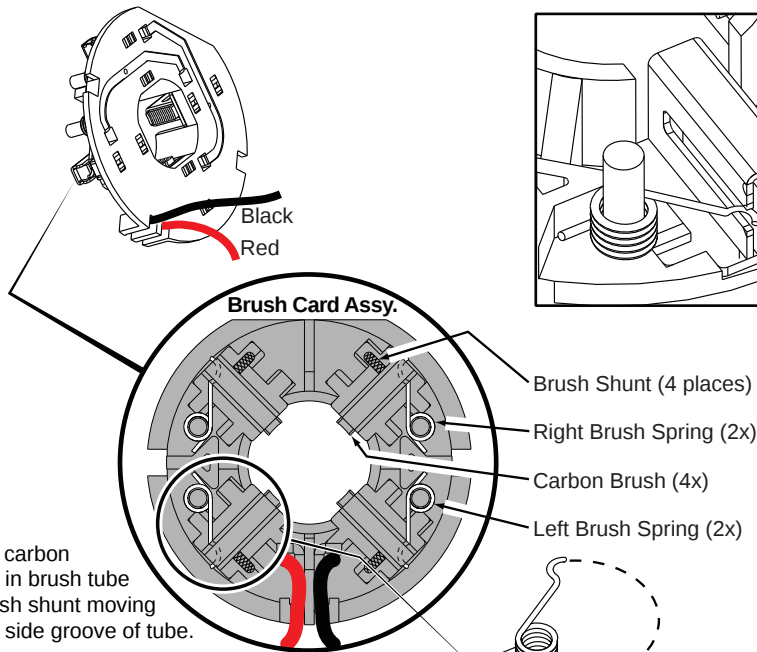
NOTE:

There are two Brush Card Assembly designs.

On the original brush card design the red and black wires that go to the switch are soldered on the brush card.

On the new brush card design the red and black wires that go to the switch are secured to the brush card with spring washers and screws.

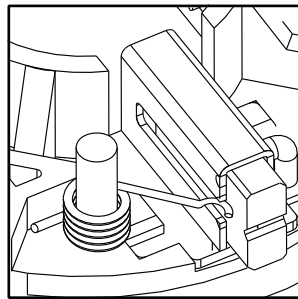
The new brush card design is **directly interchangeable** in tools that have the old brush card design.



Be sure carbon brush is in brush tube with brush shunt moving freely in side groove of tube.

Place brush spring over post with short leg positioned downward as shown. Be sure spring is completely down with short leg trapped against 'Y' shaped wall on brush card.

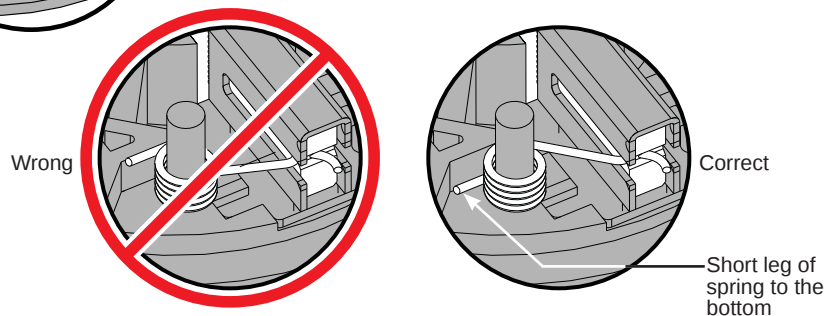
While holding spring in place, bring the long leg of spring over the brush tube and through rear opening of tube. Position rounded hook of spring in groove on back of carbon brush. Be sure to check for free movement between carbon brush, brush shunt and brush spring.



NOTE:

As an aid to prevent damage to the armature commutator or the brushes when removing and installing the armature assembly, it is recommended to pull the carbon brushes partially back into the brush tube. The carbon brushes will be held in place with the brush spring moving from the rear of the brush to the side of the brush.

In the unlikely event that the spring pops off follow the instructions below.

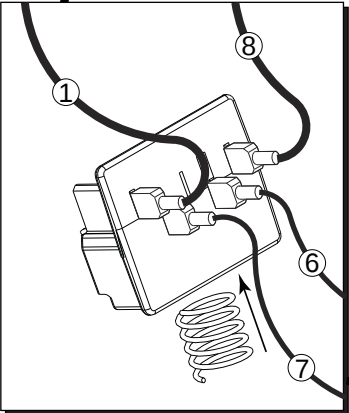
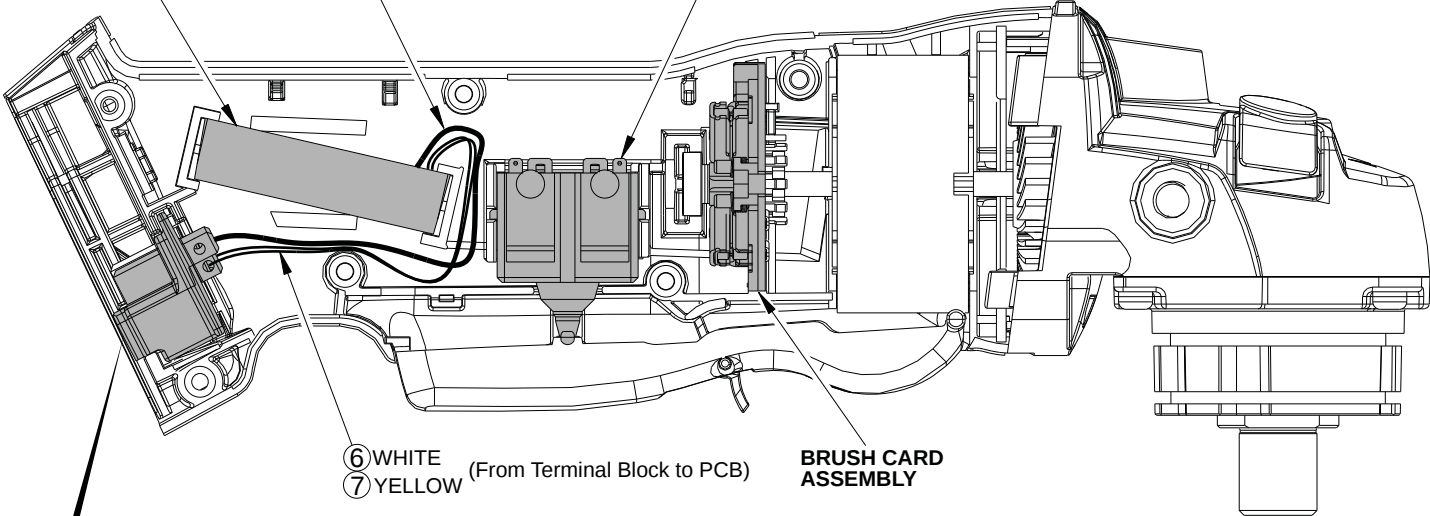


AS AN AID TO REASSEMBLY, TAKE NOTICE OF WIRE ROUTING AND POSITION IN WIRE GUIDES AND TRAPS WHILE DISMANTLING TOOL.

PC BOARD
(Component of the Electronics Module Assembly)

⑧ **BLACK**
(From Terminal Block to PCB)

SWITCH ASSEMBLY



BLACK ②
(From Switch to PCB)

RED ③
(From Switch to PCB)

④ **BLACK**
(From Brush Card to Switch)

⑤ **RED**
(From Brush Card to Switch)

CONNECTOR BLOCK
(Component of the Electronics Module Assembly)

① **RED**
(From Terminal Block to Switch)

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

WIRING SPECIFICATIONS

Wire No.	Wire Color	Origin or Gauge	Length	Terminals, Connectors and 1 or 2 End Wire Preparation
1	Red	14	-----	Component of the Electronics Module Assembly.
2	Black	14	-----	Component of the Electronics Module Assembly.
3	Red	18	-----	Component of the Electronics Module Assembly.
4	Black	15	-----	Component of the Brush Card Assembly.
5	Red	15	-----	Component of the Brush Card Assembly.
6	White	24	-----	Component of the Electronics Module Assembly.
7	Yellow	24	-----	Component of the Electronics Module Assembly.
8	Black	14	-----	Component of the Electronics Module Assembly.



ATTENTION
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
SENSITIVE
DEVICES