

# YELLOW JACKET®

## Rocker Switch Replacement Kit - 93117

For 115VAC/60Hz & 100VAC/50Hz Vacuum Pump Motors

### CAUTION

- Always unplug the motor from the power source before performing any service.
- A dielectric withstand test should be performed using a hipot tester after any repairs to ensure proper wiring and continuity per IEC 60950.

#### Kit Contents

- Rocker Switch
- (2) Red Wires
- Blue Wire Nut



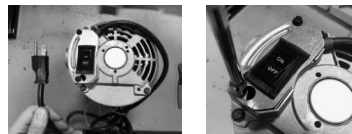
#### Tools Required

- 1/4" Nut Driver
- Pliers
- Wire Stripper (for 100V/50Hz)
- Electrical Tape (for 100V/50Hz)



#### Instructions for Rocker Switch Replacement

1. Unplug the motor from the power source.
2. Remove the (2) screws that hold the rocker switch plate to the motor body using a 1/4" nut driver



- 3a. For 115V/60Hz models with spade terminals on the back of the rocker switch:

- i. Pull the 2 connectors off of the switch spade terminals.
- ii. Compress the locking tabs on the sides of the rocker switch.
- iii. Press the switch out through the front of the switch plate.



- iv. Press the new rocker switch into the plate.
- v. Reconnect the 2 spade connectors to the back of the rocker switch (wire nut and red wires are not needed).



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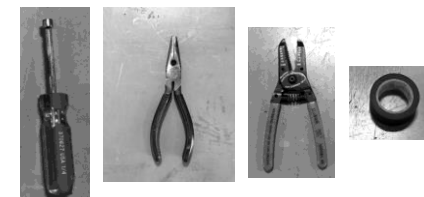
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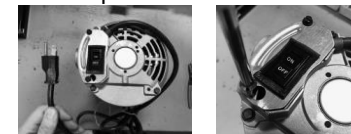
#### Tools Required

- 1/4" Nut Driver
- Pliers
- Wire Stripper (for 100V/50Hz)
- Electrical Tape (for 100V/50Hz)



#### Instructions for Rocker Switch

3. Unplug the motor from the power source.
4. Remove the (2) screws that hold the rocker switch plate to the motor body using a 1/4" nut driver



#### Replacement

- 3a. For 115V/60Hz models with spade terminals on the back of the rocker switch:

- i. Pull the 2 connectors off of the switch spade terminals.
- ii. Compress the locking tabs on the sides of the rocker switch.
- iii. Press the switch out through the front of the switch plate.



- iv. Press the new rocker switch into the plate.
- v. Reconnect the 2 spade connectors to the back of the rocker switch (wire nut and red wires are not needed).



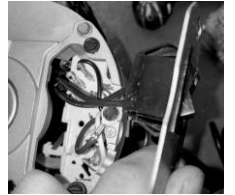
3b. For 115V/60Hz models with lead wires on the back of the rocker switch:

- i. Pull the 2 connectors on the ends of the rocker switch lead wires off of the spade terminals in the motor.
- ii. Compress the locking tabs on the sides of the rocker switch.
- iii. Press the switch and lead wires out through the front of the switch plate.
- iv. Press one end of the red wires onto the corresponding spade connectors inside the motor as shown.
- v. Press the new rocker switch into the plate.
- vi. Press the other ends of the red wires to the corresponding spade connectors on the back of the rocker switch as shown (wire nut is not needed).



3b. For 115V/60Hz models with lead wires on the back of the rocker switch:

- vii. Pull the 2 connectors on the ends of the rocker switch lead wires off of the spade terminals in the motor.
- viii. Compress the locking tabs on the sides of the rocker switch.
- ix. Press the switch and lead wires out through the front of the switch plate.
- x. Press one end of the red wires onto the corresponding spade connectors inside the motor as shown.
- xi. Press the new rocker switch into the plate.
- xii. Press the other ends of the red wires to the corresponding spade connectors on the back of the rocker switch as shown (wire nut is not needed).



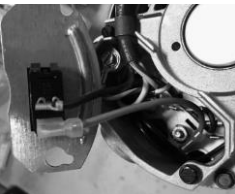
3c. For 100V/50Hz models:

- i. Cut the (2) lead wires coming out of the old rocker switch and press the rocker switch out through the front of the switch plate.
- ii. Strip 1/2" of insulation from the ends of the terminated lead wires.
- iii. Align the wire ends and tighten the wire nut over the terminated wire ends.
- iv. Place a strip of electrical tape over the opening at the bottom of the wire nut.
- v. Tuck the wire nut into the motor body.
- vi. Press the new rocker switch into the plate.
- vii. Pull the connector for the black wire from the power cord out of the motor body.
- viii. Press this connector onto one of the spade terminals on the back of the rocker switch.
- ix. Press one end of one red wire onto the other terminal on the back of the rocker switch.
- x. Press the connector on the other end of the red wire onto the spade terminal in the motor body where the black power cord wire was connected (the second red wire is not needed).



3c. For 100V/50Hz models:

- xi. Cut the (2) lead wires coming out of the old rocker switch and press the rocker switch out through the front of the switch plate.
- xii. Strip 1/2" of insulation from the ends of the terminated lead wires.
- xiii. Align the wire ends and tighten the wire nut over the terminated wire ends.
- xiv. Place a strip of electrical tape over the opening at the bottom of the wire nut.
- xv. Tuck the wire nut into the motor body.
- xvi. Press the new rocker switch into the plate.
- xvii. Pull the connector for the black wire from the power cord out of the motor body.
- xviii. Press this connector onto one of the spade terminals on the back of the rocker switch.
- xix. Press one end of one red wire onto the other terminal on the back of the rocker switch.
- xx. Press the connector on the other end of the red wire onto the spade terminal in the motor body where the black power cord wire was connected (the second red wire is not needed).



4. Reattach the rocker switch plate to the motor body and tighten the (2) screws.

5. Perform a dielectric withstand test.

- i. Voltage Withstand: 2X rated voltage + 1000V for 1 minute – L+N to ground prong.
- ii. Verify continuity from ground prong to case of motor.



4. Reattach the rocker switch plate to the motor body and tighten the (2) screws.

5. Perform a dielectric withstand test.

- i. Voltage Withstand: 2X rated voltage + 1000V for 1 minute – L+N to ground prong.
- ii. Verify continuity from ground prong to case of motor.

