

For 4 Pin Connectors or 16 Pin Connectors with only 4 wires

(Use other instructions for 16 pin connector with more than 4 wires)

1 Determine Motor Voltage



Jumper Wire - Use 120 VAC replacement PSC motor and capacitor



No Jumper Wire - Use 240 VAC replacement PSC motor and capacitor

then... With **power off**, remove the **16-pin** signal connector (with more than 4 wires) from defective ECM motor and plug it into mating connection on the QwikSwap® V3 board



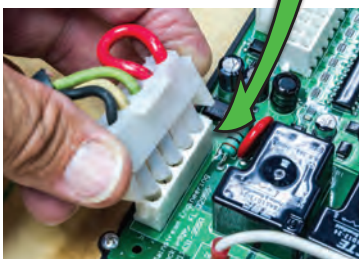
4-pin
Connector
from Motor
to
QwikSwap® V3
Board

2 Connect the QwikSwap® V3

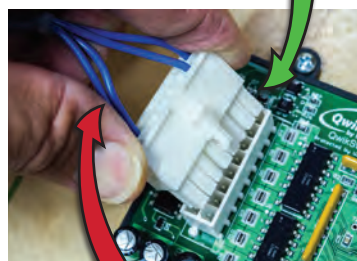
With **power off**, remove the **5-pin** power and 4-pin signal connectors from defective ECM motor and plug them into mating connections on the QwikSwap® V3 board



5-pin
Connector
from Motor
to
QwikSwap® V3
Board



or...



16-pin/4 wire
Connector
from Motor
to
QwikSwap® V3
Board

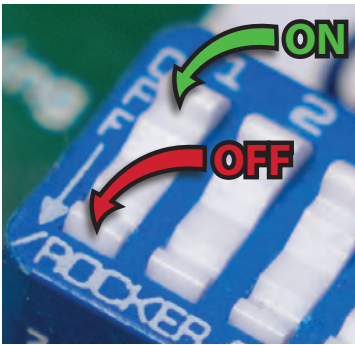
**More than 4 wires on this 16-pin connector?
Use the other instructions!**

**IF THE PLUGS DON'T FIT YOU'RE USING THE WRONG QWIKSWAP,
NEVER CUT THE CONNECTORS OFF!**

Flip over to the back of this sheet,
there's a few more steps

3 Select the Horsepower

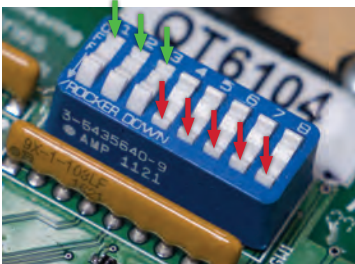
Use the Configuration Switches on the Board to select the horsepower of the defective ECM motor.



Note the direction of **ON/OFF** in the Figure.

NOTE: **OFF** position is indicated by a **down arrow** at the left of the set!

CONFIGURATION SWITCH NUMBER & POSITION								
H.P.	1	2	3	4	5	6	7	8
1/8	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
1/4	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
1/3	ON	ON	ON	OFF	OFF	OFF	OFF	OFF
1/2	ON	ON	ON	ON	OFF	OFF	OFF	OFF
2/3	ON	ON	ON	ON	ON	OFF	OFF	OFF
3/4	ON	ON	ON	ON	ON	ON	OFF	OFF
1	ON	ON	ON	ON	ON	ON	ON	ON



In this figure the motor has been set to 1/3 hp: **(ON, ON, ON, OFF, OFF, OFF, OFF, OFF)**

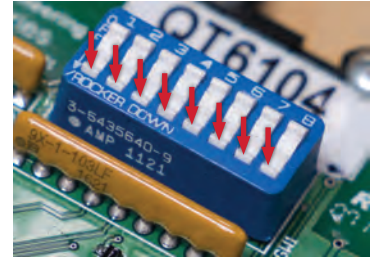
4 Verify Proper Operation & Lock in Settings

- a **Reconnect power to the air handler.** A flashing **Yellow** status LED and solid **Red (COM)** LED indicate proper communication.



If the **Yellow** LED is off, verify power to the QwikSwap® **V3** board. If the **RED** LED is off or flashing, there is a communication error.

- b **Lock in the Configuration.** With power still being supplied to the QwikSwap® **V3** board, set all configuration switches to **OFF**.



- c **Set the Fan to On.** Following a short delay, the **Green (HIGH)** LED should initially light and then settle on one of the (HIGH), (MED) or (LOW) LEDs.



- d **Set the Fan to Off.** Following a short delay, all the **Green** LEDs should turn off.

5 Install the Replacement PSC Motor & Capacitor (same rotation and voltage)

- a Install the replacement PSC motor, mount the QwikSwap® **V3** board and run capacitor.
- b Connect the PSC motor common wire to the **MOTOR COM** terminal on the QwikSwap® **V3** board.
- c Connect the three PSC motor speed taps to the corresponding terminals on the QwikSwap® **V3** board.

