

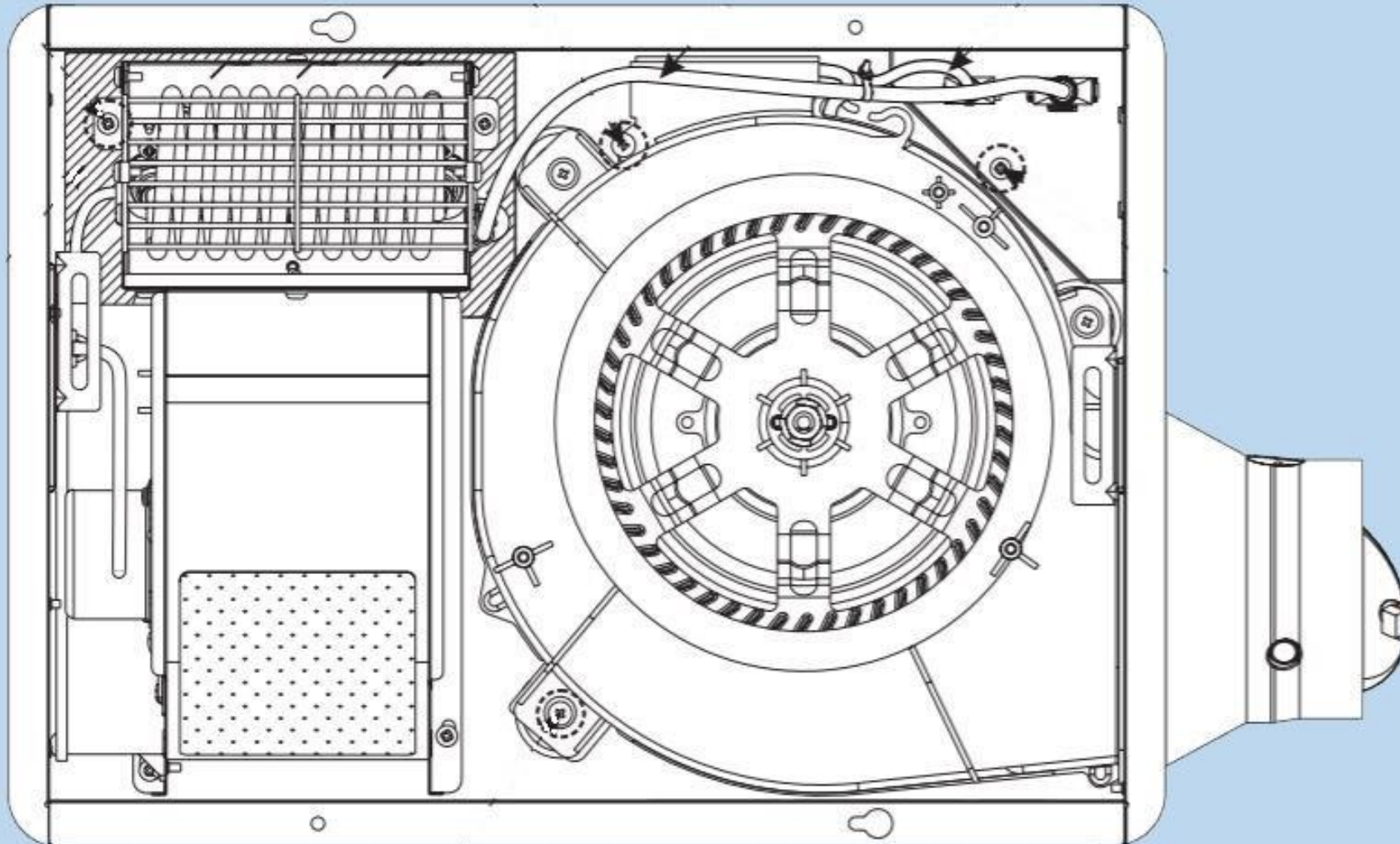


March
2021

WhisperWarm® DC™ Wiring

Panasonic

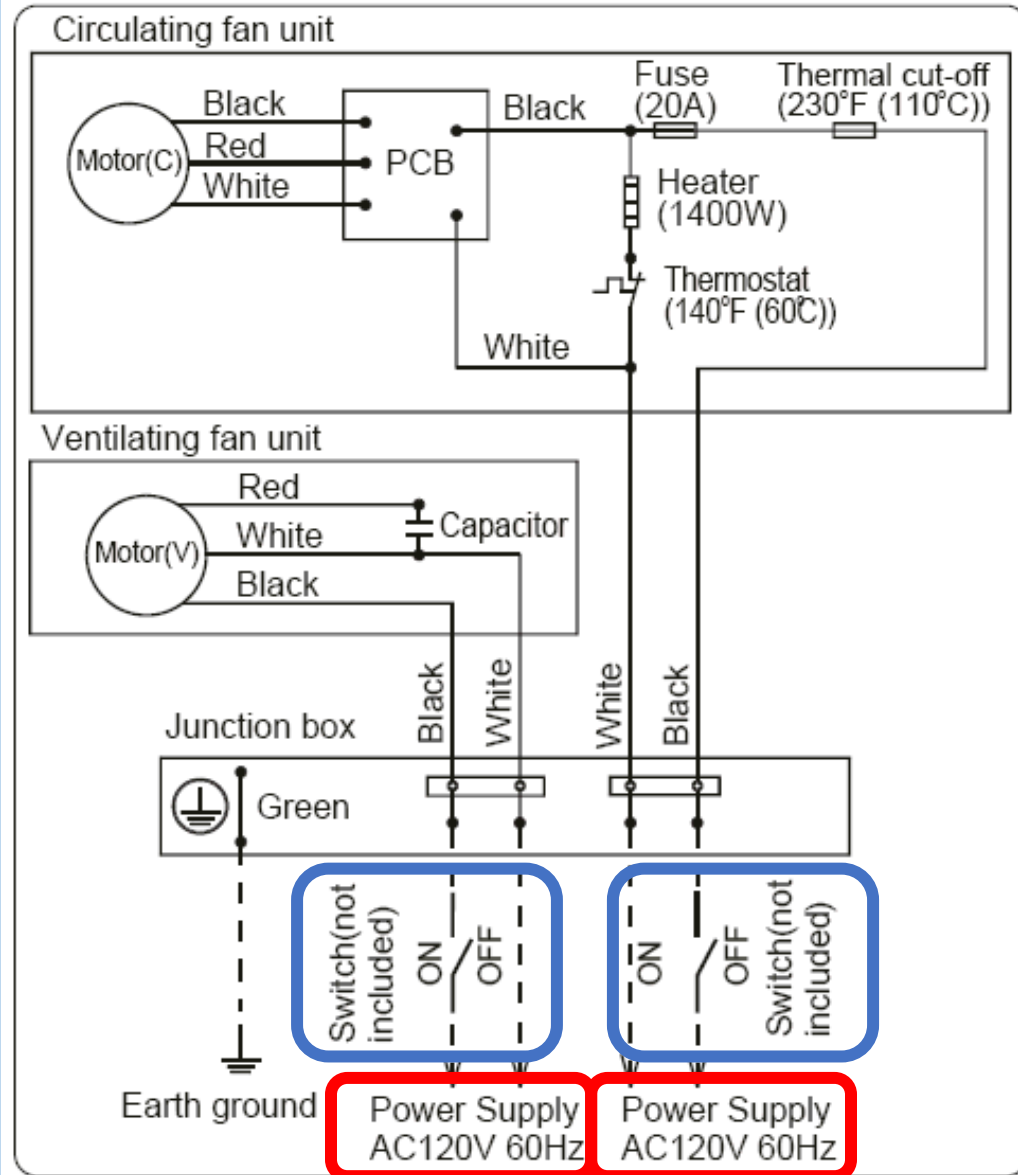
Generation 1 (2 AC motors) FV-11VH2 / FV-11VHL2



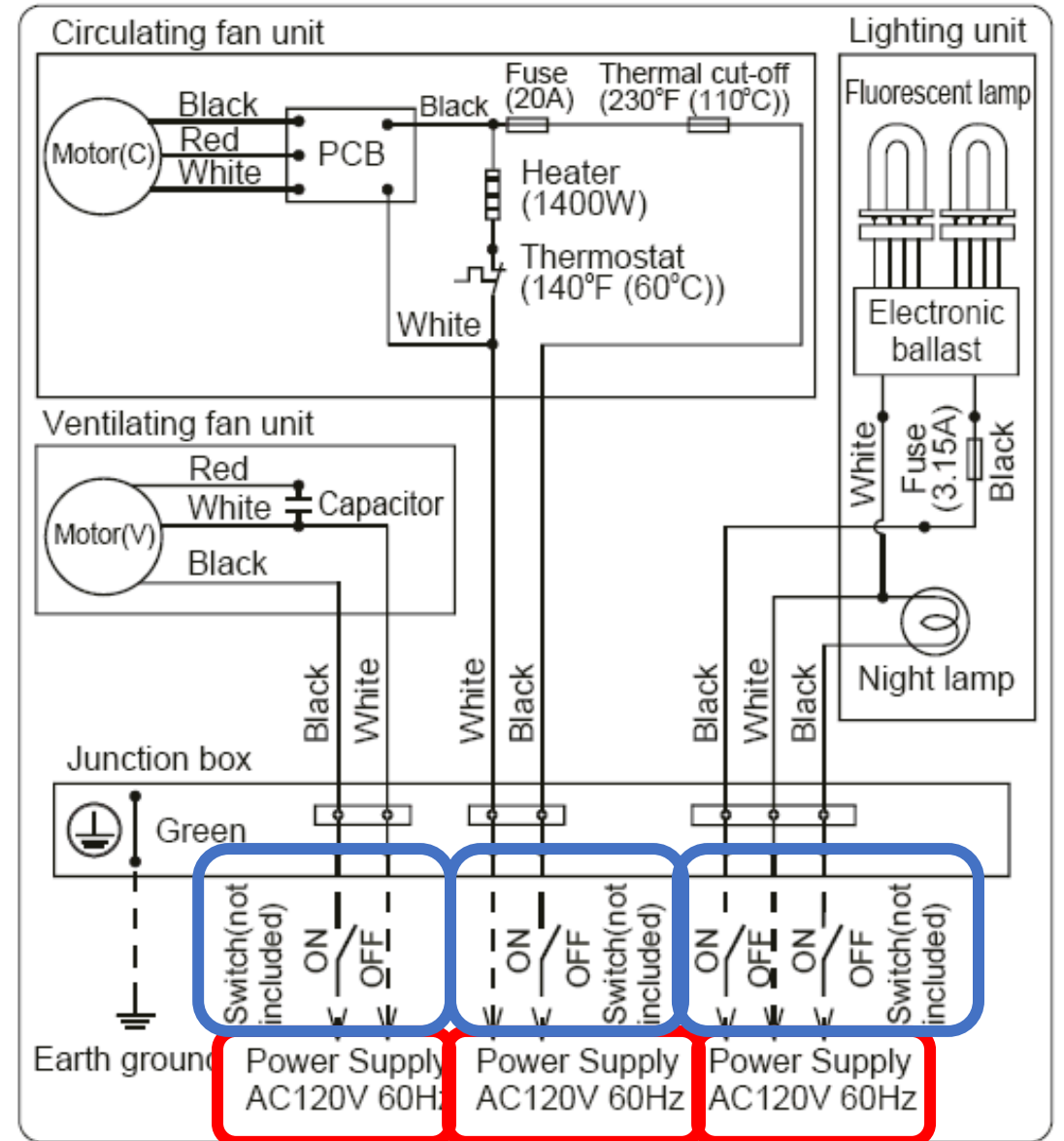
- 2 motors
 - One Exhaust fan motor
 - One Heater Fan motor
- Light
 - Light can be controlled with the exhaust fan
 - Light can be controlled separately

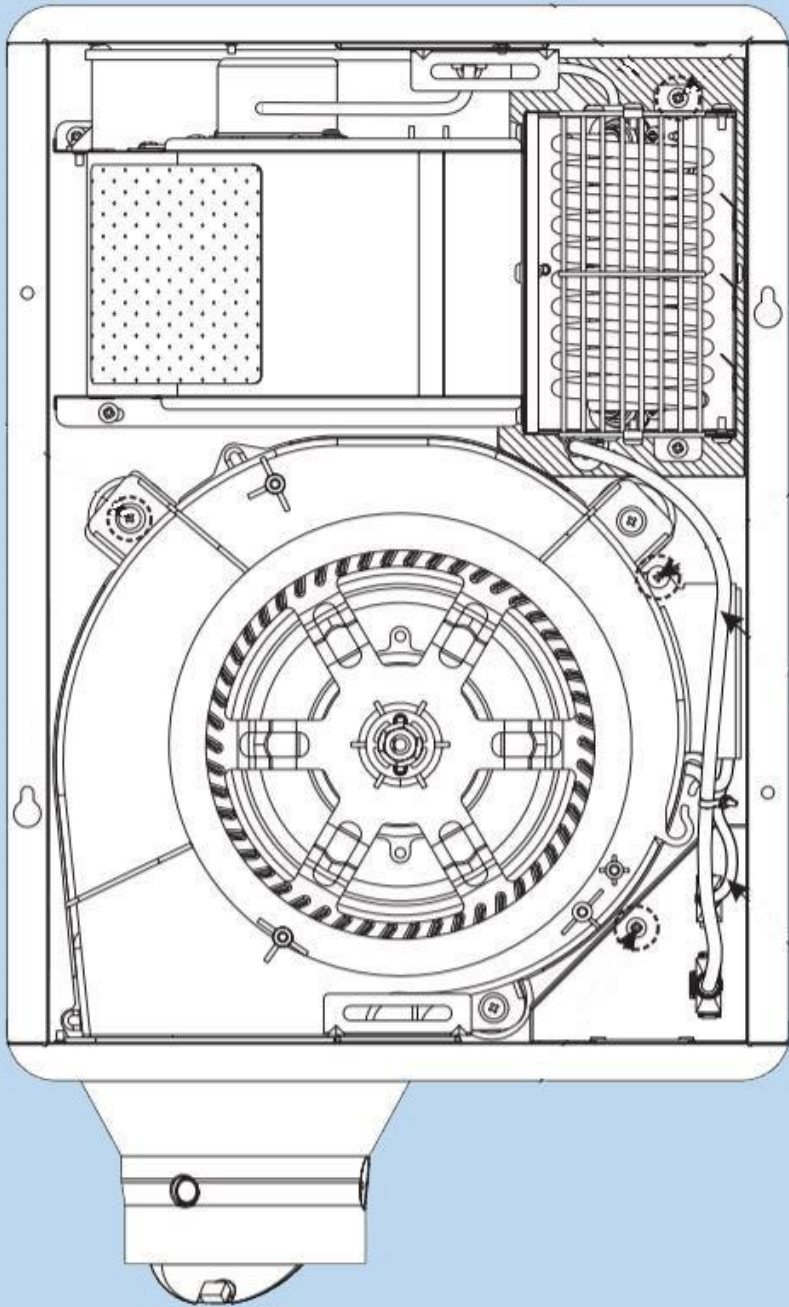
WIRING DIAGRAM

FV-11VH2

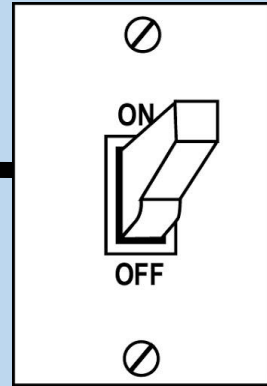


FV-11VHL2



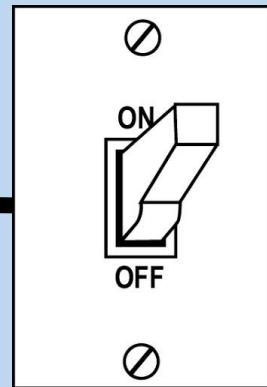


FV-11VH2



Single 20 AMP power source

120 volt

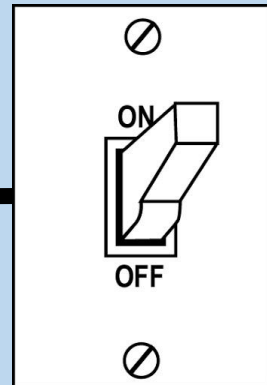
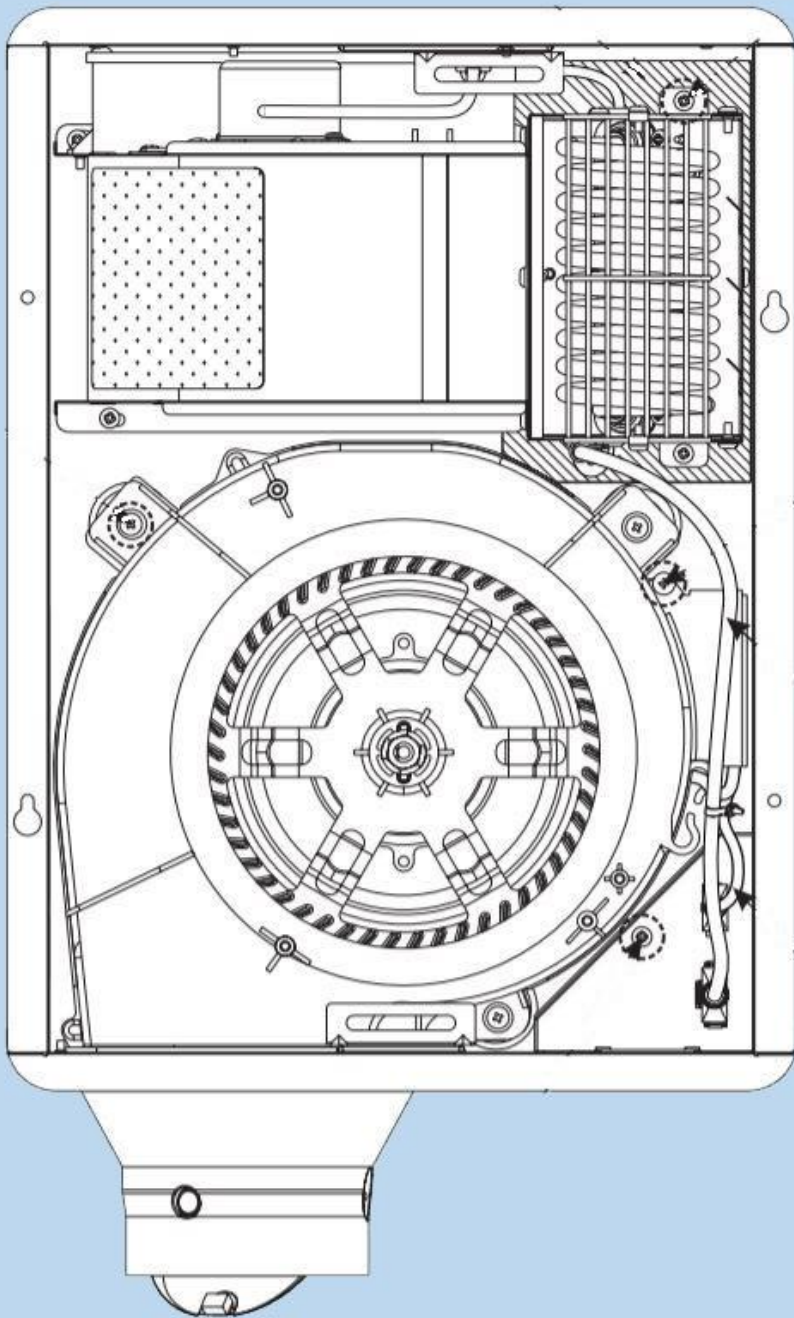


Single 15 AMP power source

120 volt

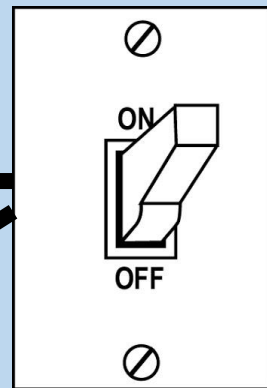


FV-11VHL2



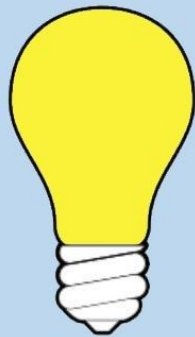
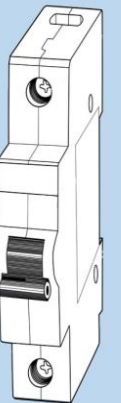
Single 20 AMP power source

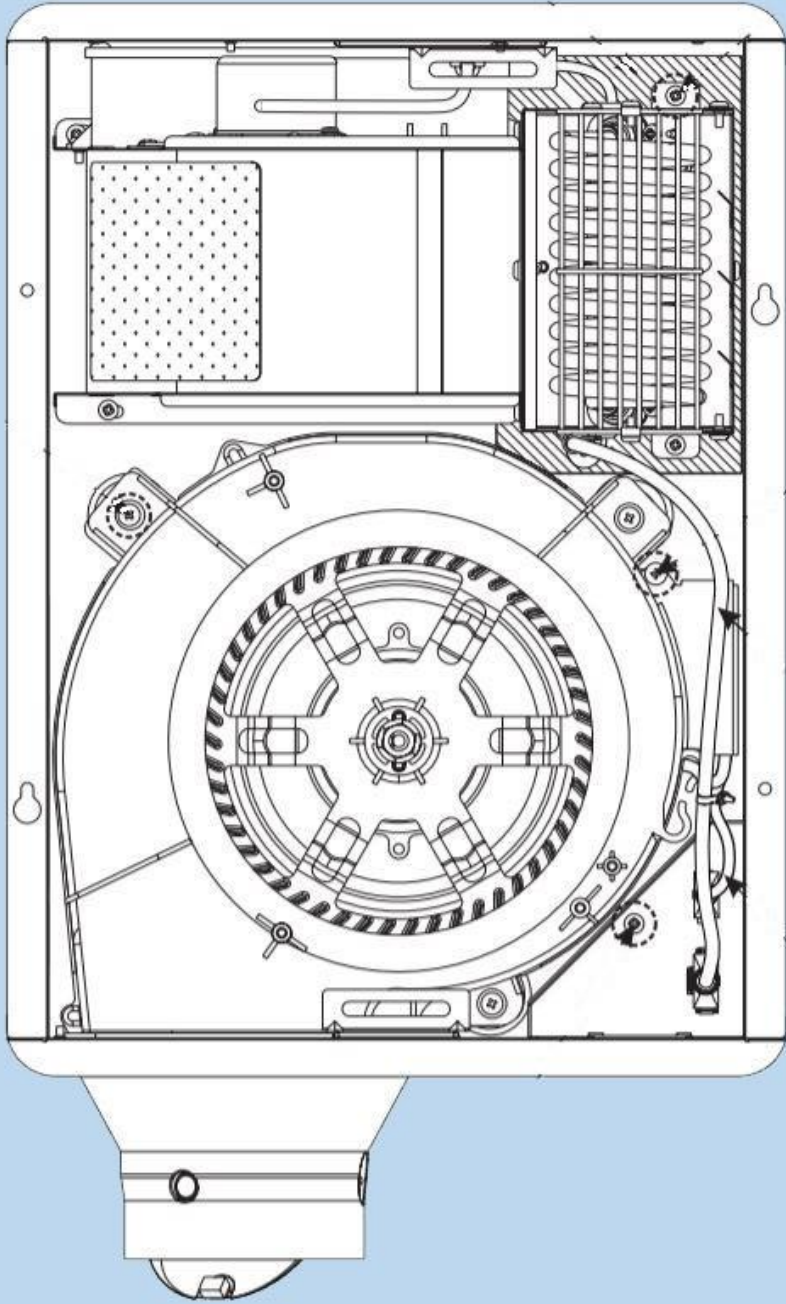
120 volt



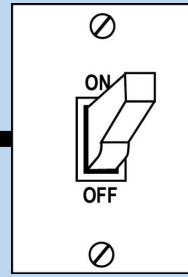
Single 15 AMP power source

120 volt



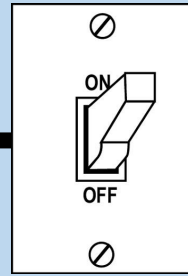


FV-11VHL2



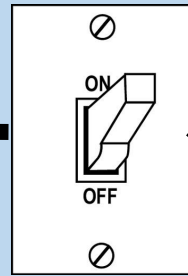
Single 20 AMP power source

120 volt



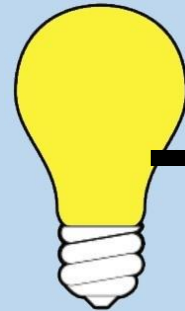
Single 15 AMP power source

120 volt

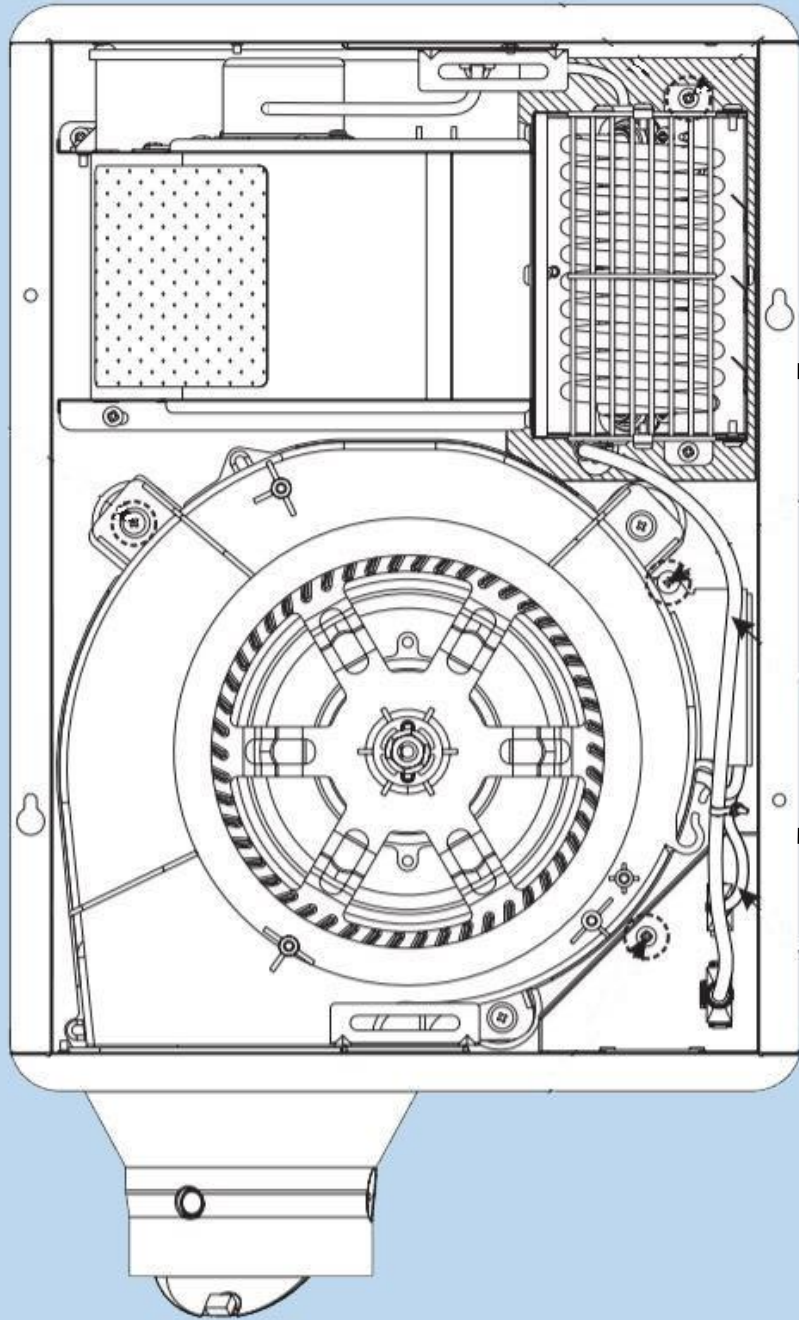


Single 15 AMP power source

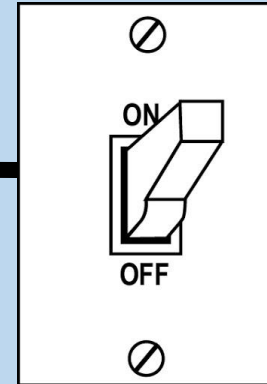
120 volt



FV-11VH2 / FV-11VHL2



120 volt

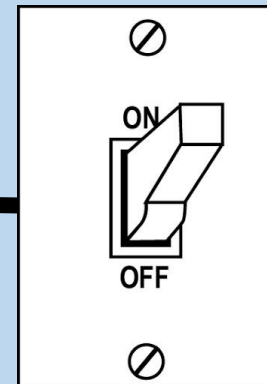


Single 20 AMP power source

120 volt



120 volt



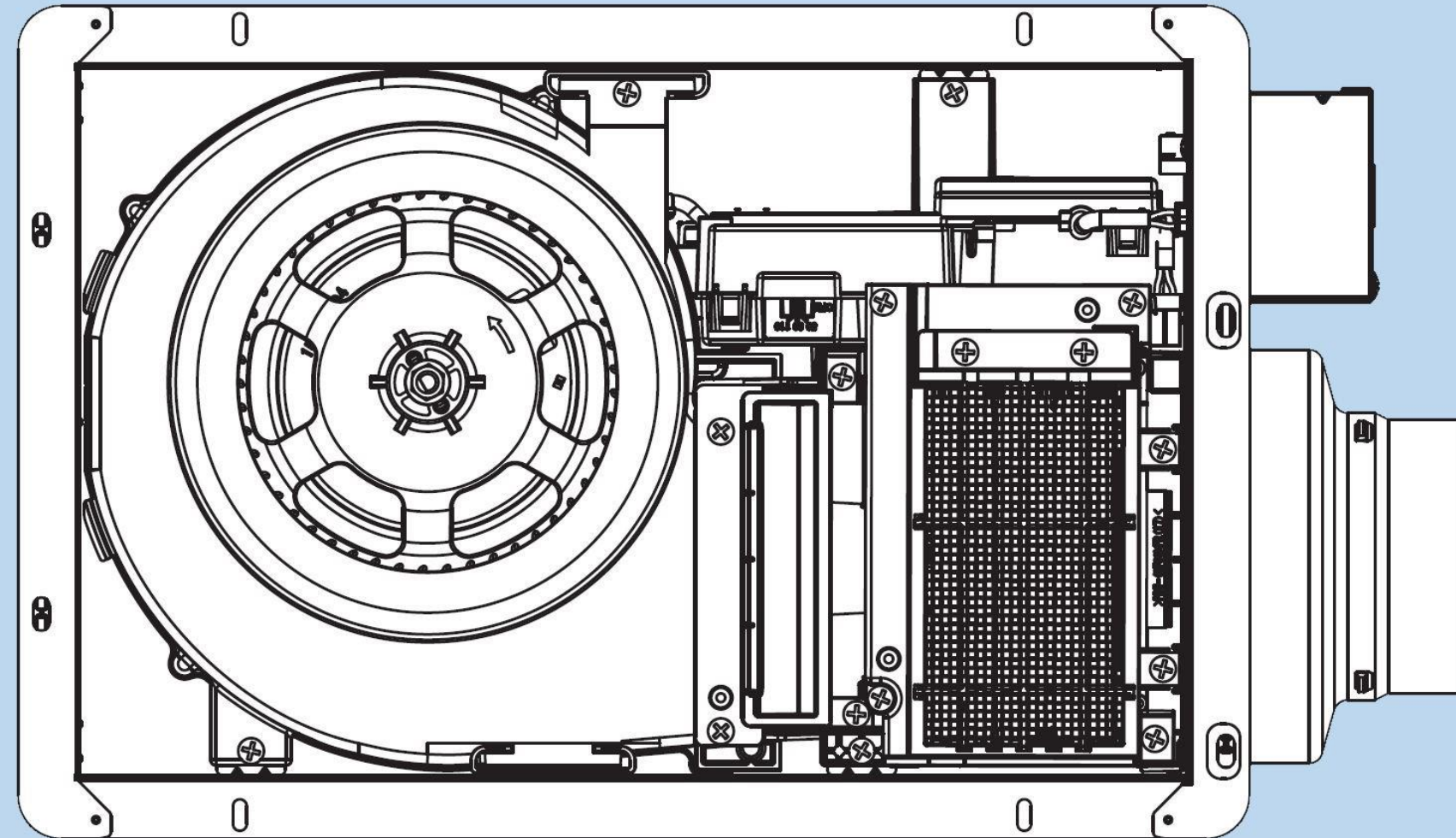
Single 15 AMP power source

120 volt



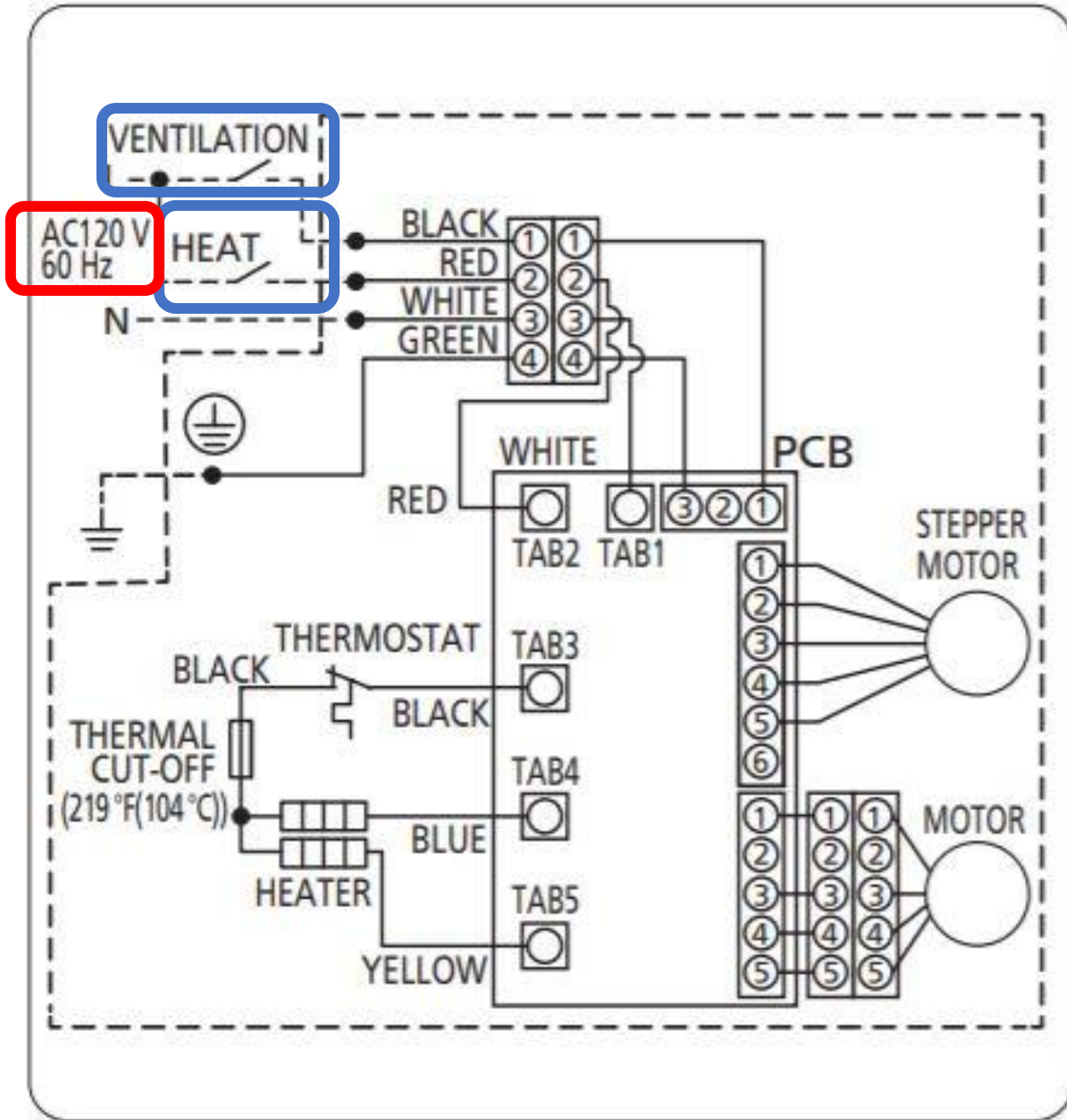
No Problem. 2 separate circuits going to 2 separate components

Generation 2 (one DC motor) FV-0511VH1 / FV-0511VHL1

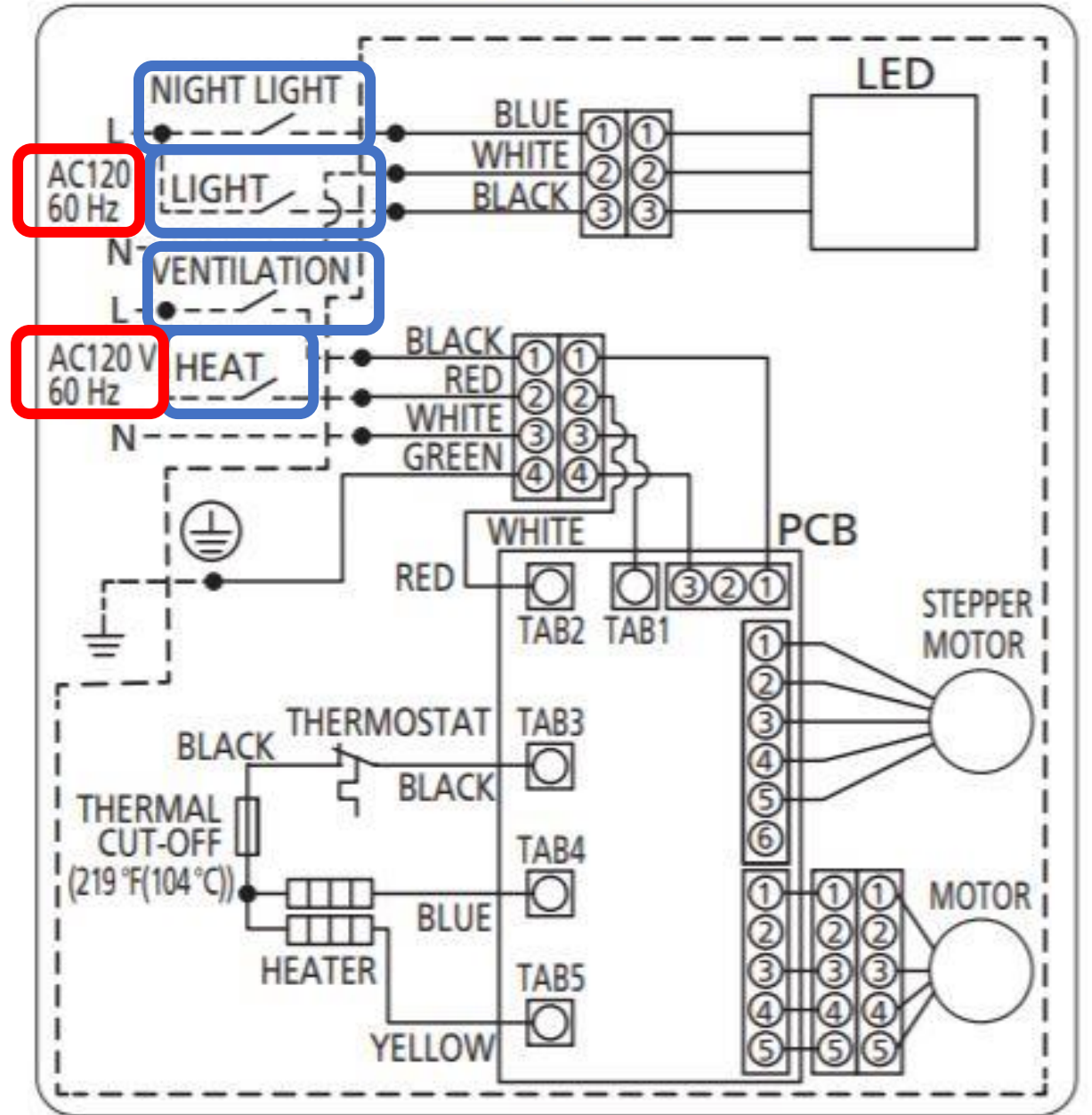


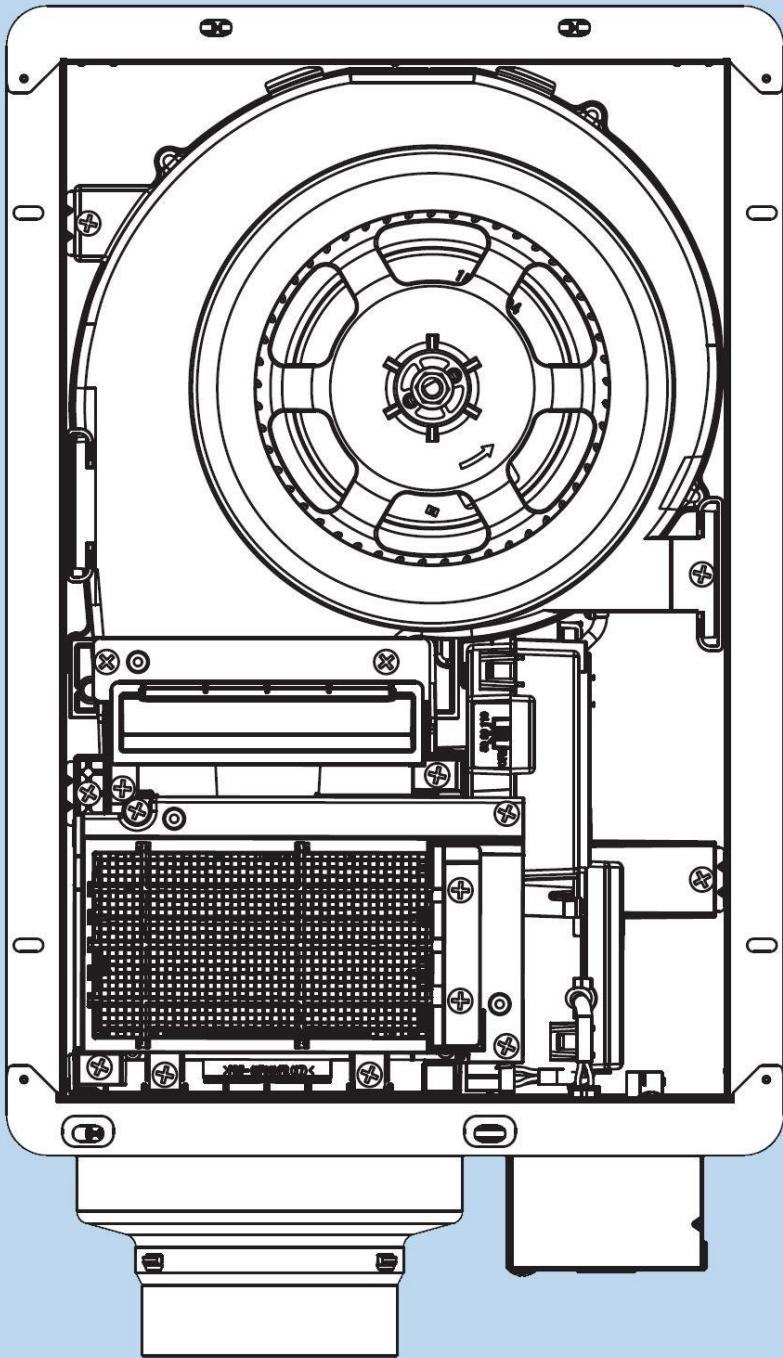
- Only one motor controlling
 - Exhaust
 - Heater
- Light
 - Light can be controlled with the exhaust fan
 - Light can be separate
- Heater
 - 2-hour safety run time, shut off

FV-0511VH1

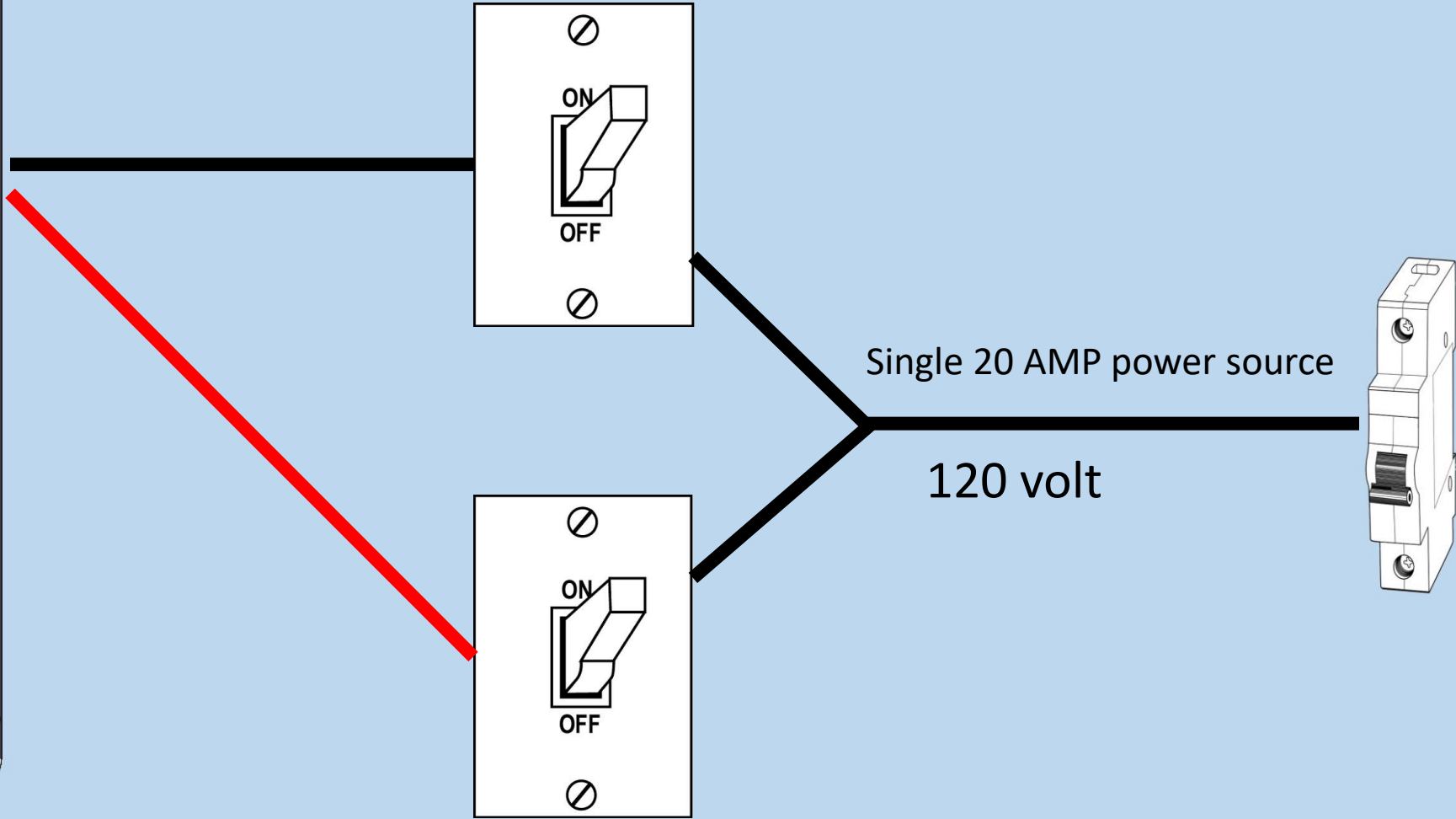


FV-0511VHL1

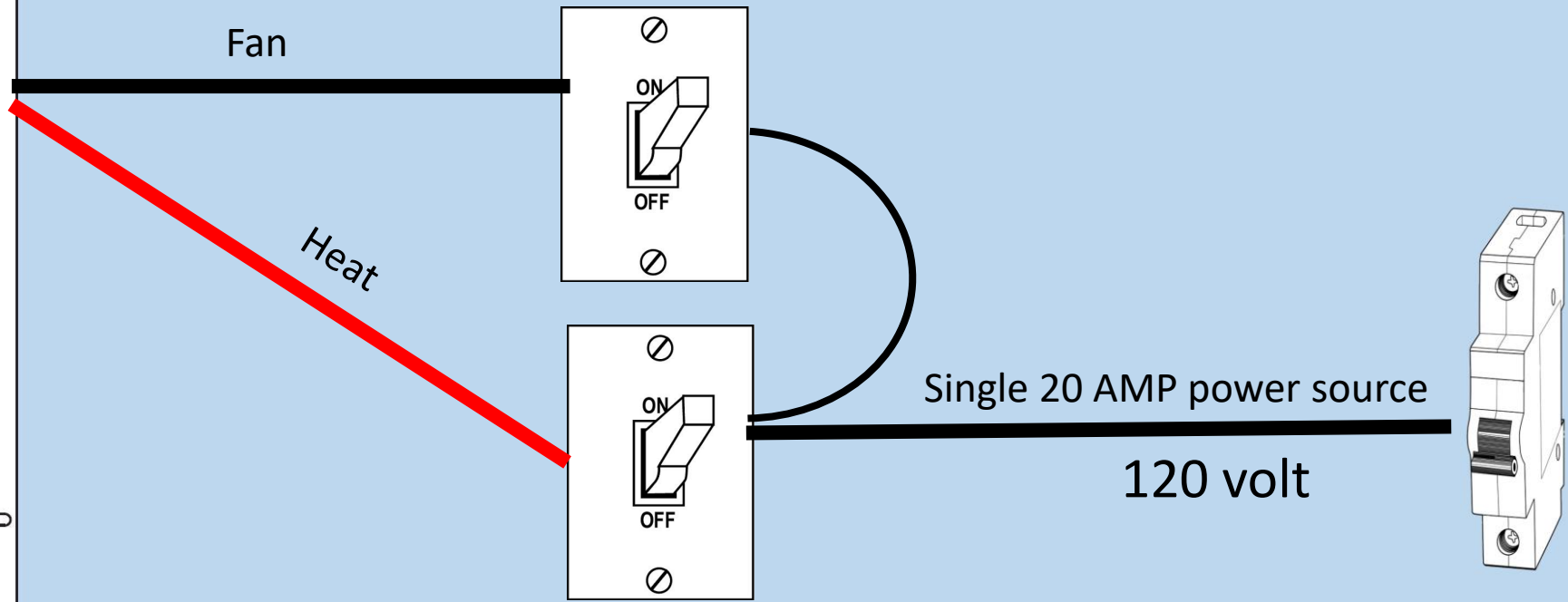
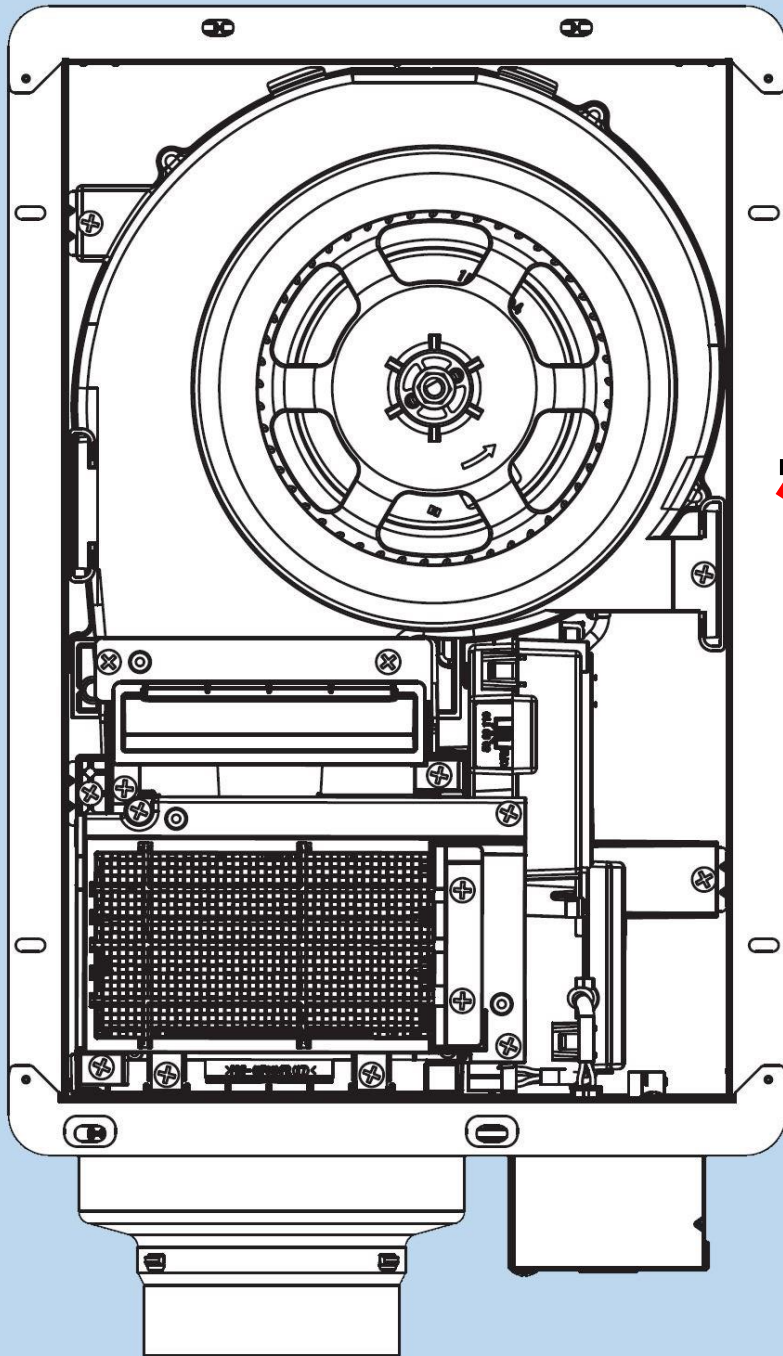




FV-0511VH1



FV-0511VH1



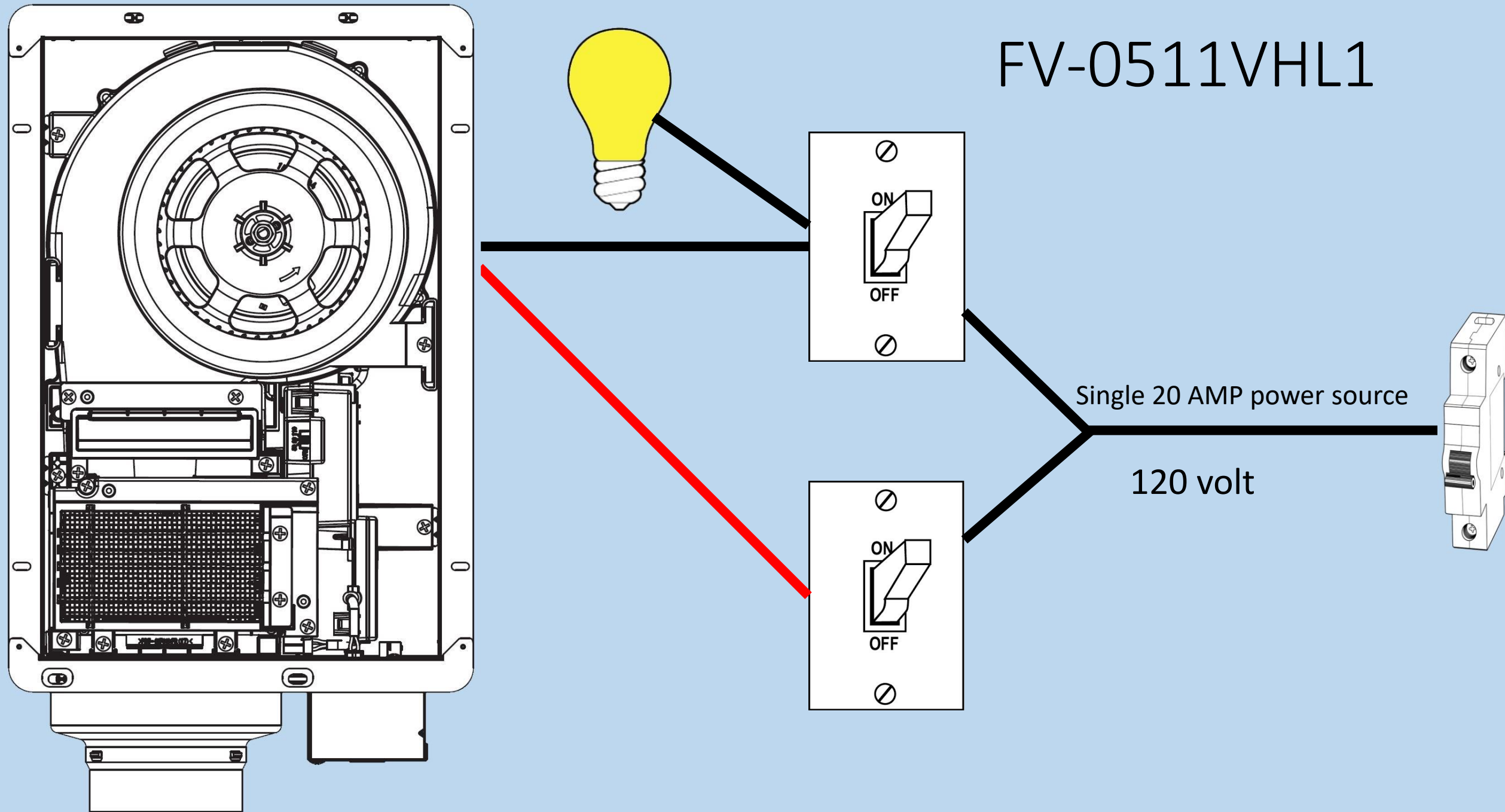
Fan

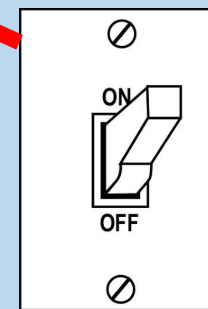
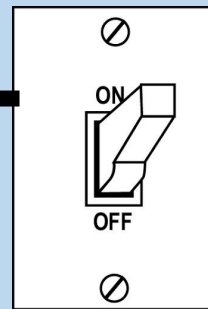
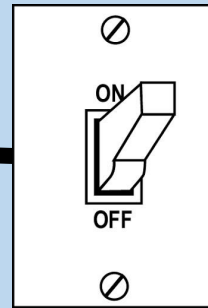
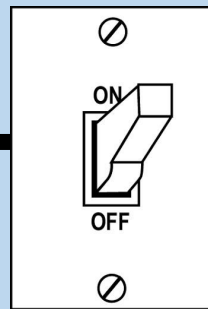
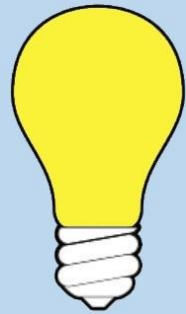
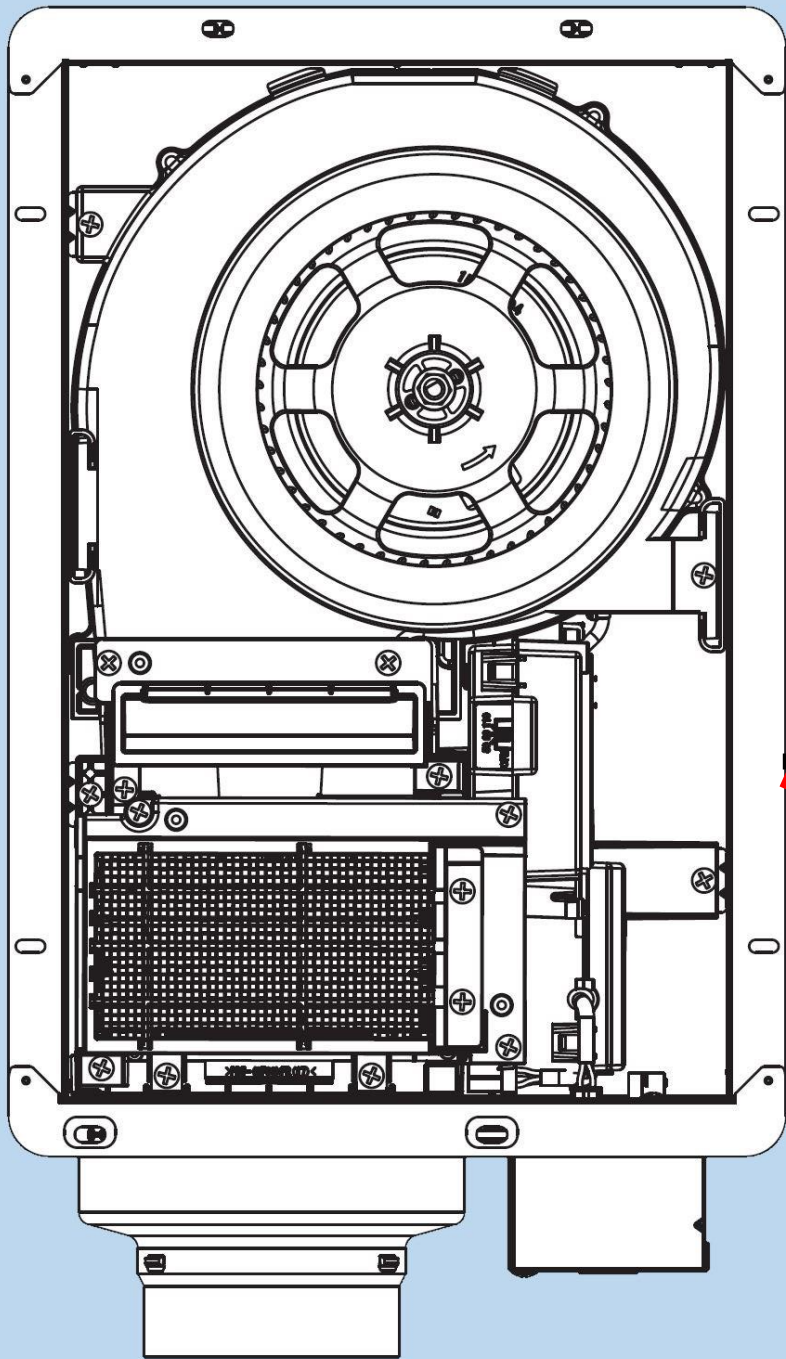
Heat

Single 20 AMP power source

120 volt

FV-0511VHL1





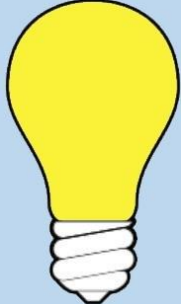
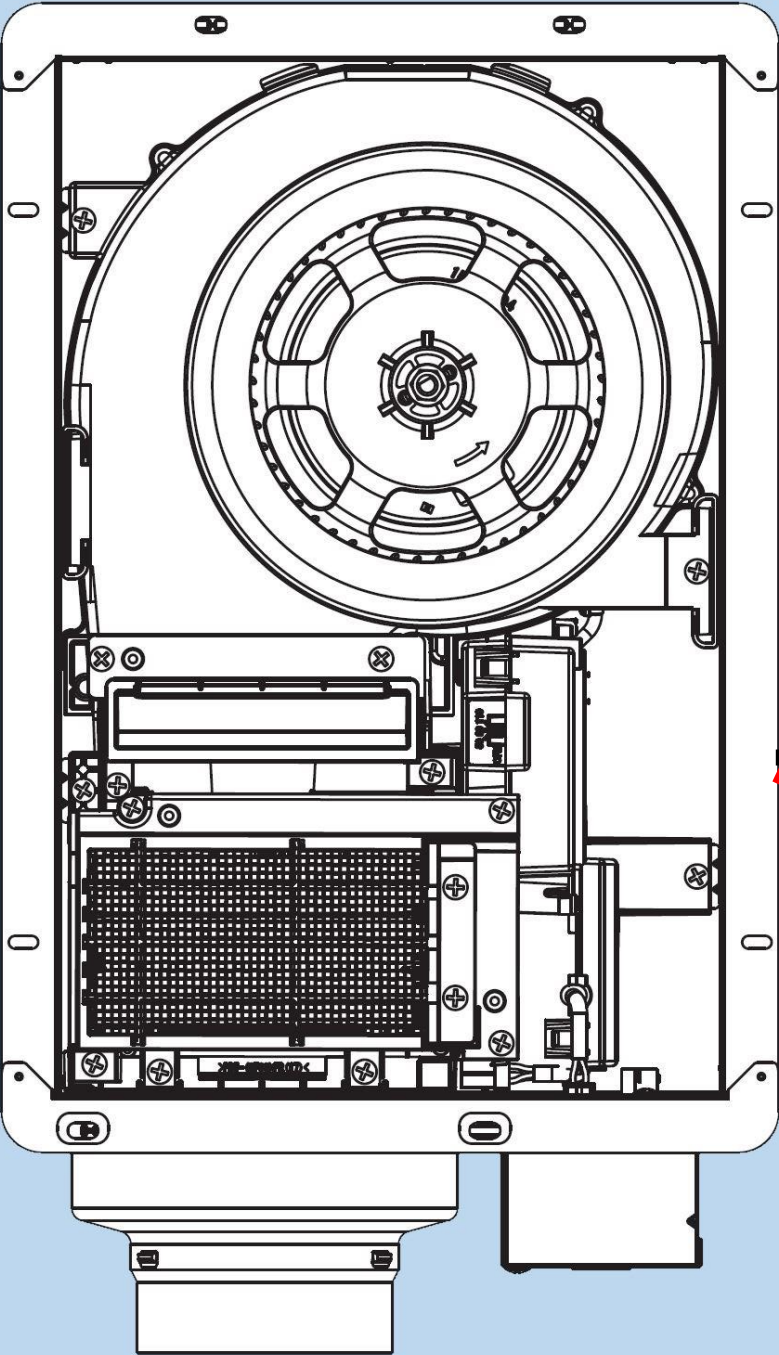
FV-0511VHL1

Single 20 AMP power source

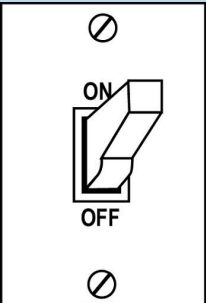
120 volt



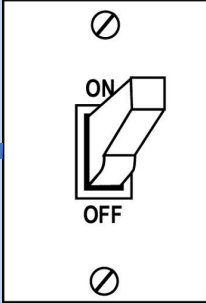
FV-0511VHL1



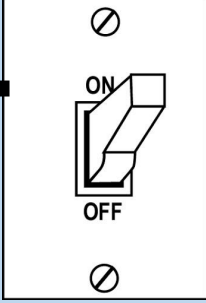
Light



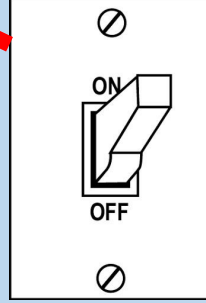
Nightlight



Fan



Heat

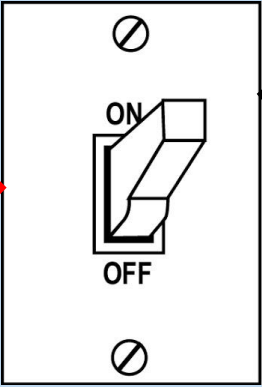
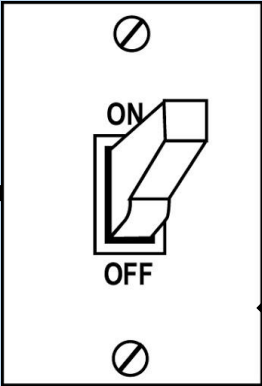
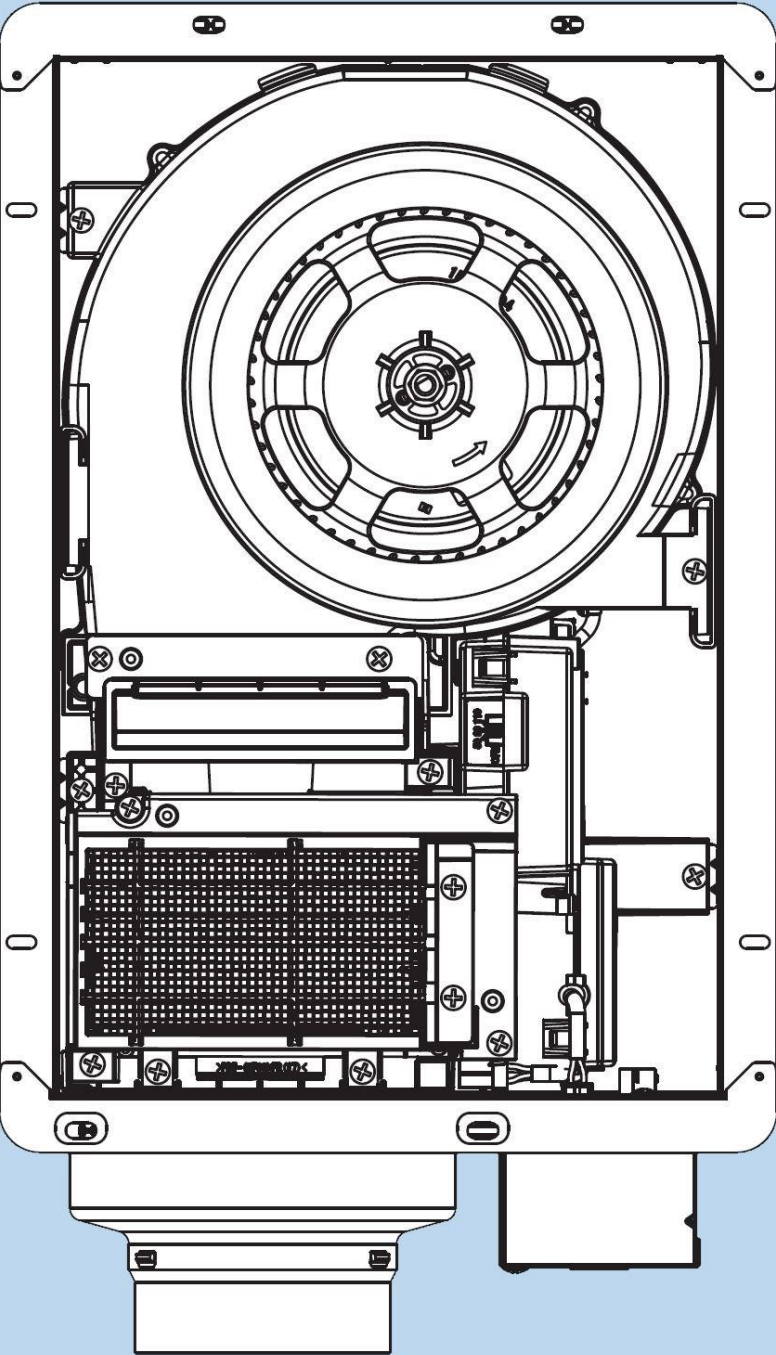


Single 20 AMP power source

120 volt

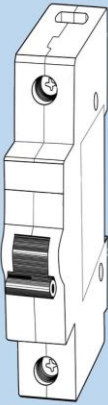


FV-0511VH1 / FV-0511VHL1



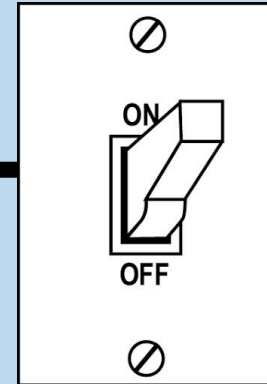
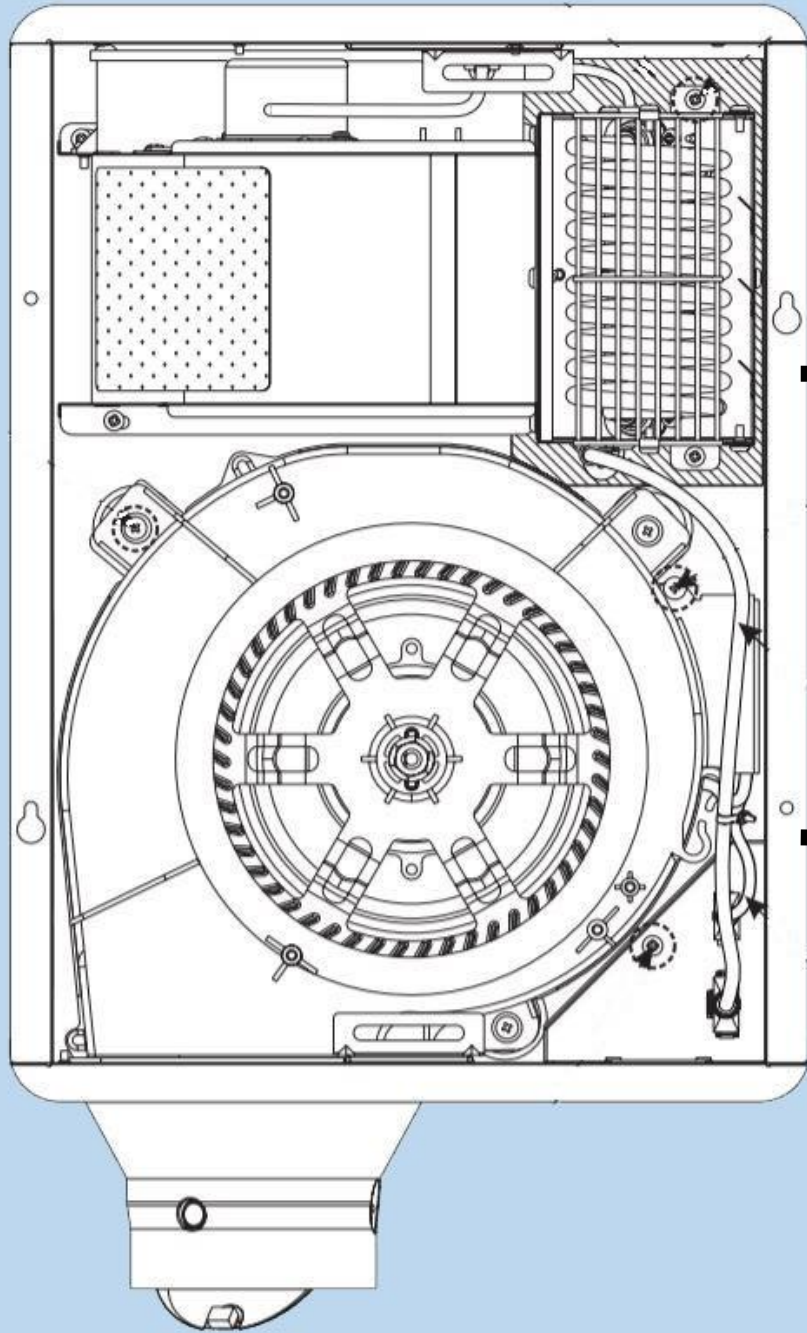
Single 20 AMP power source

120 volt



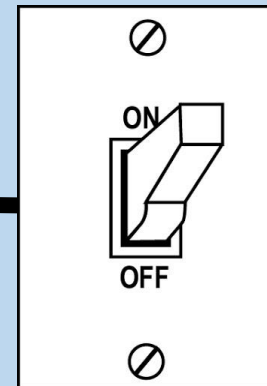
No Problem. 1 circuit going to 1 component

Remodel of Old Model to New



Single 20 AMP power source

120 volt

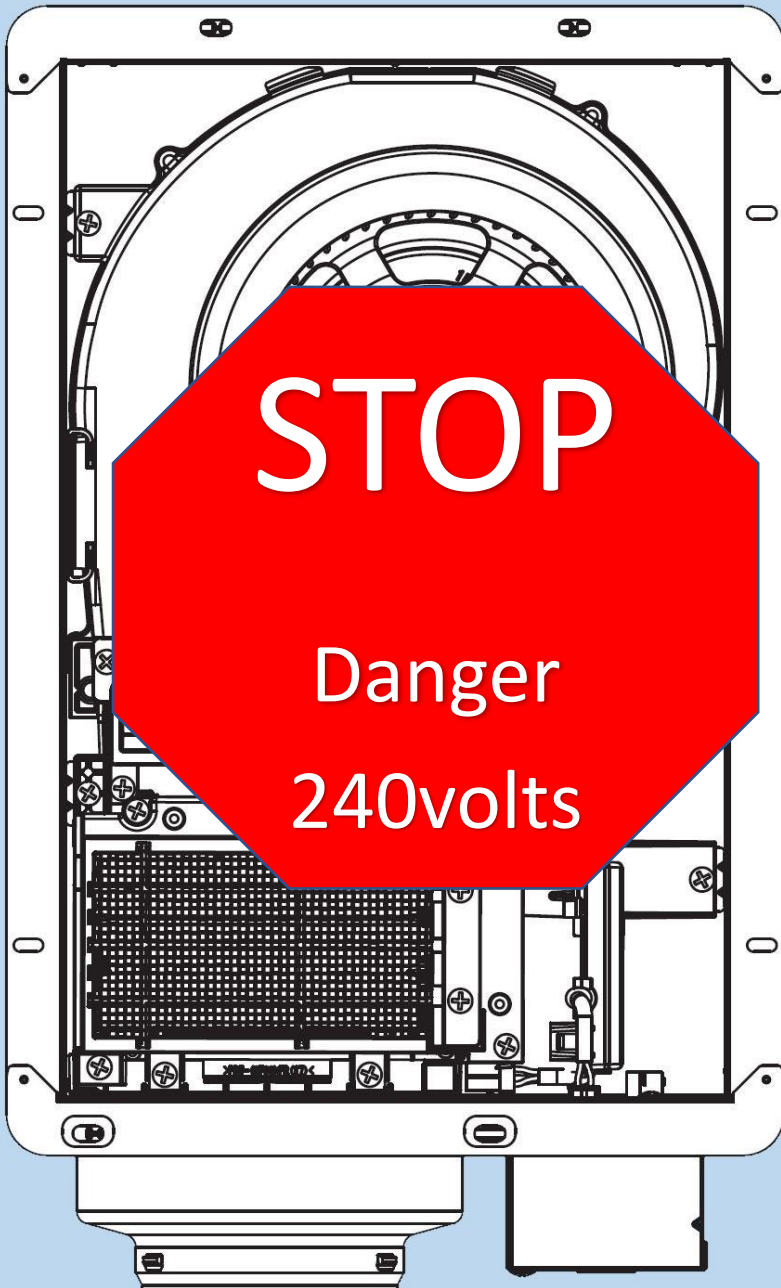


Single 15 AMP power source

120 volt

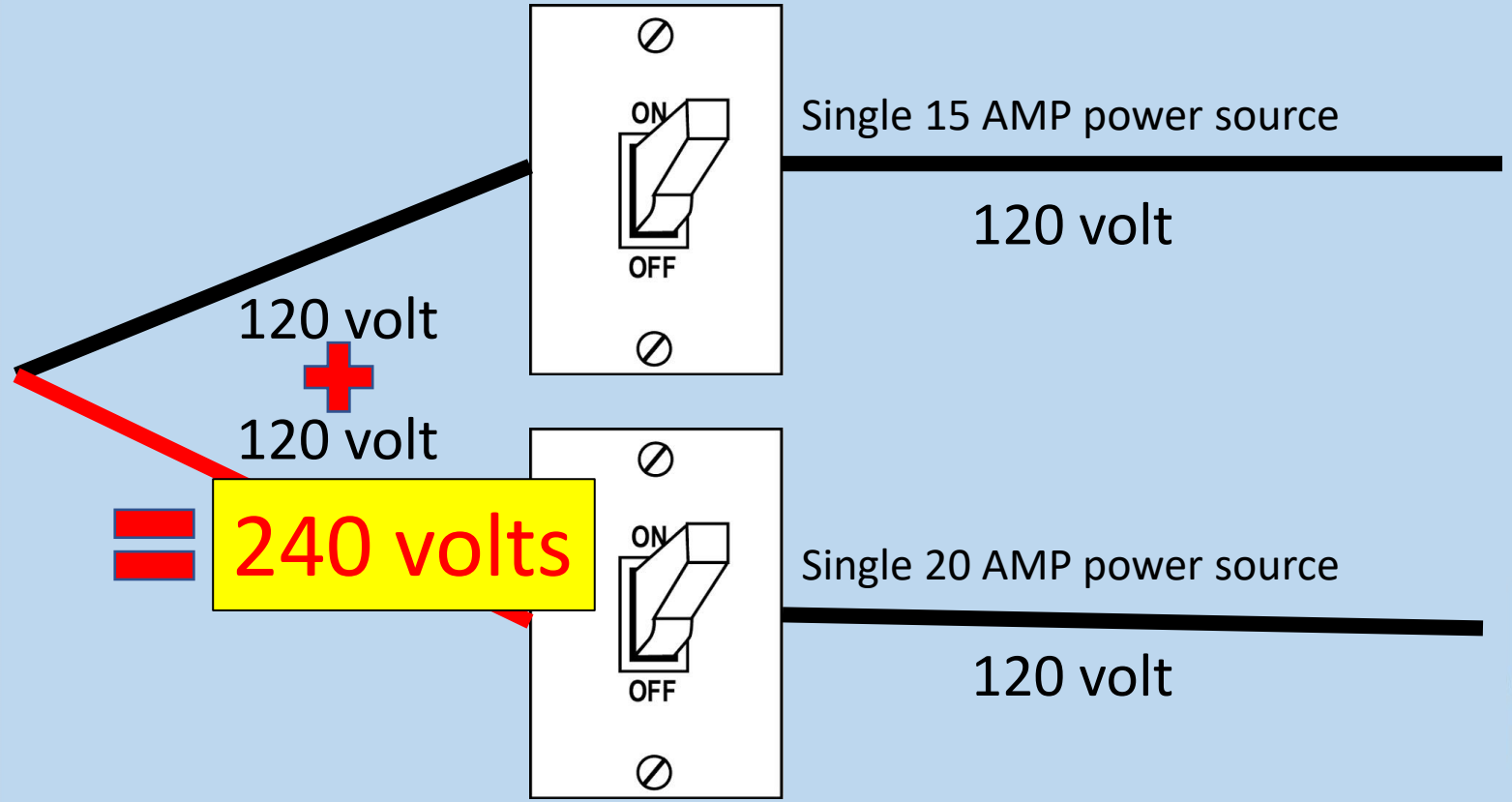


FV-0511VH1 / FV-0511VHL1



STOP

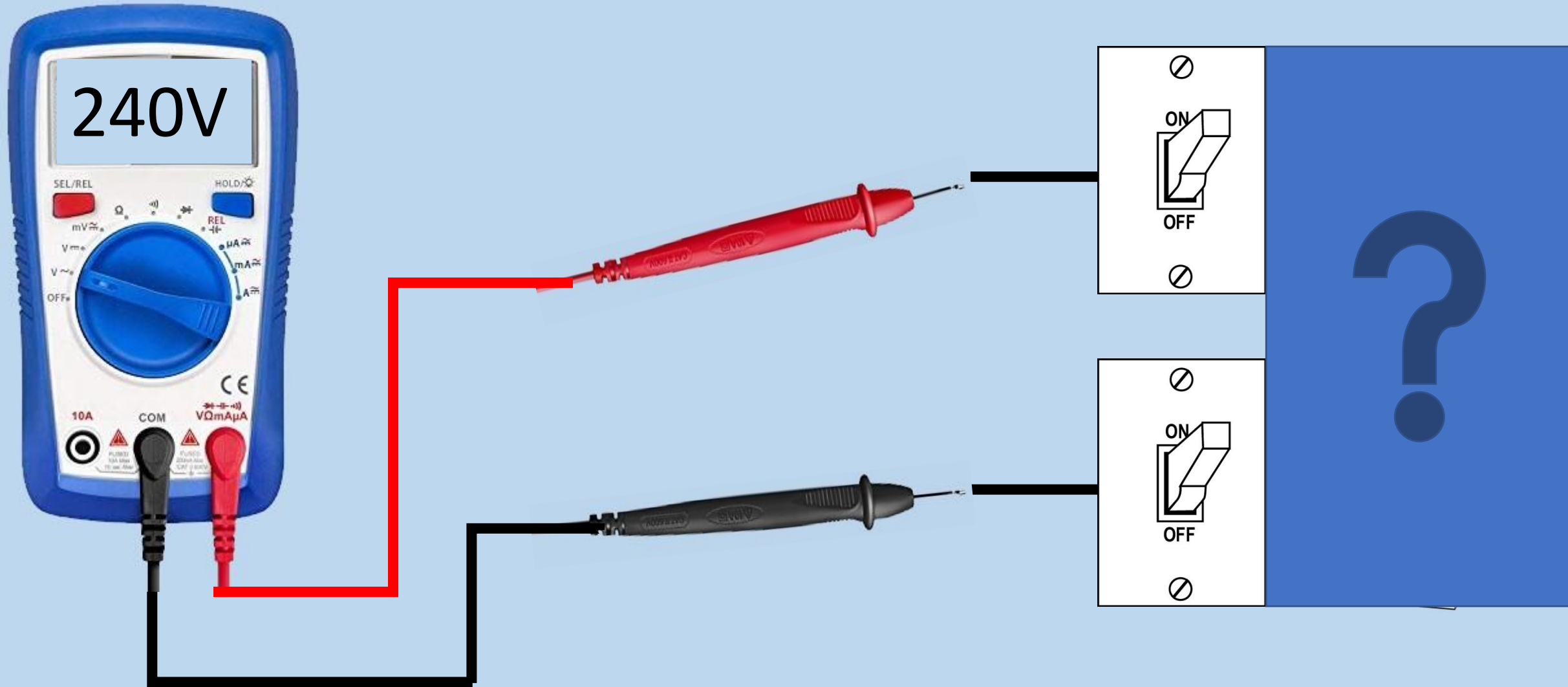
**Danger
240volts**



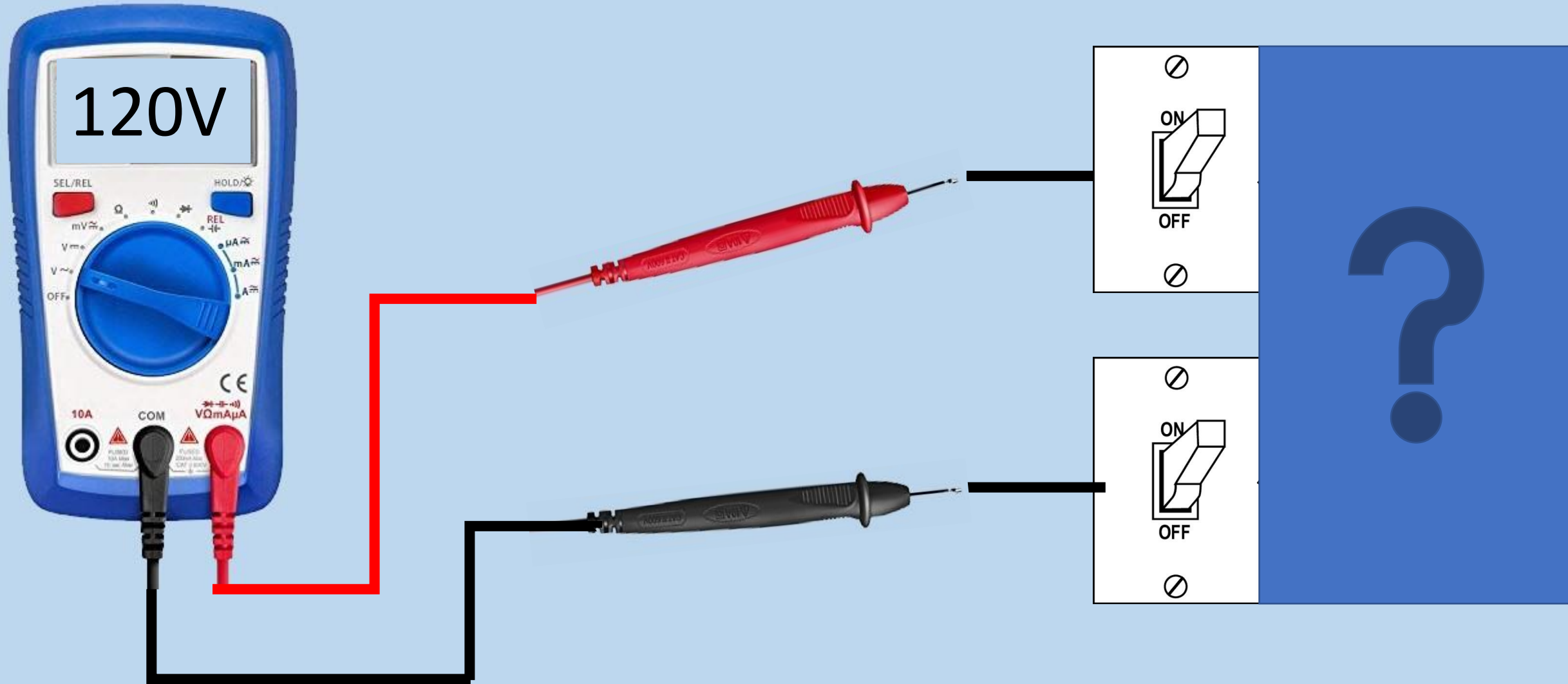
**Warning: 2 separate Circuits
going to a single component**

Units can run for a period of time when only one switch is activated at a time, until both are activated simultaneously

Questions to ask the electrician

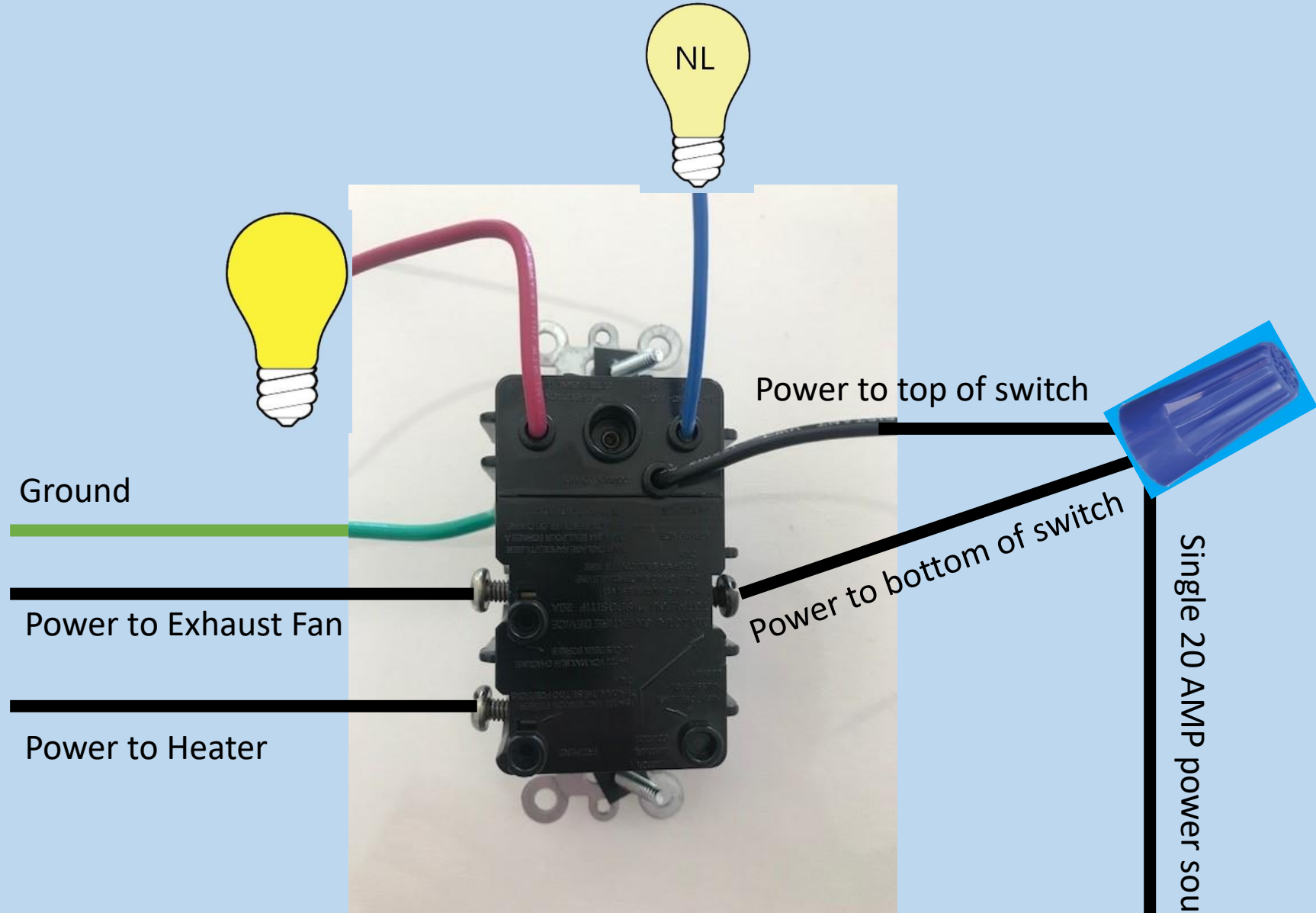


Questions to ask the electrician



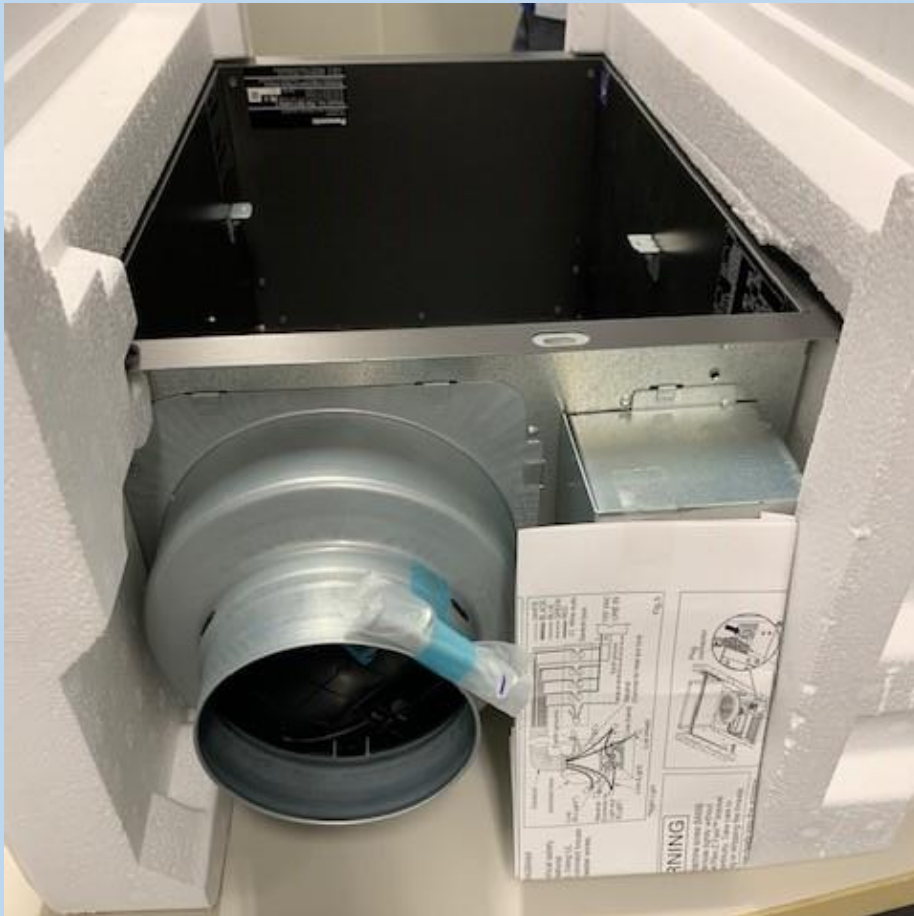
FV-WCSW41-W

4-Function Switch



Countermeasure

Wiring Advisory Taped to J-Box



! WARNING

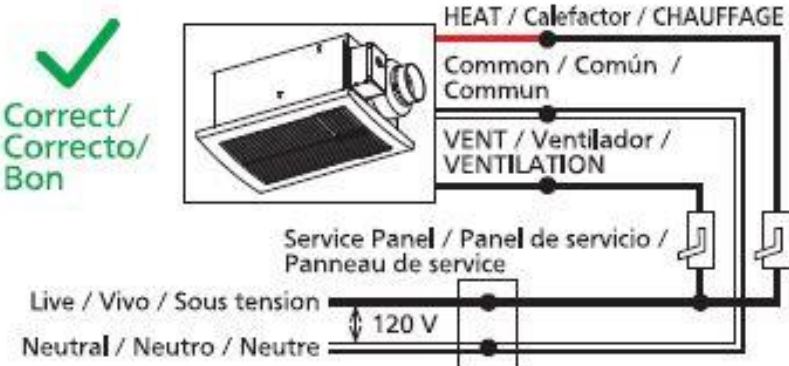
Improper wiring can cause unit failure. Please refer to wiring diagram in the installation instructions.

Must connect with **single 20 ampere 120 V power supply.**

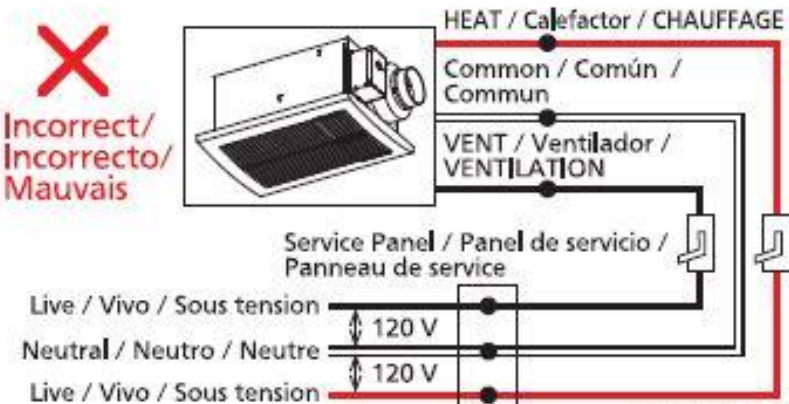
! Debe conectarse con una sola fuente de alimentación de 120 V y 20 amperes.

Nécessite une seule alimentation de 120 V à 20 A.

✓
Correct/
Correcto/
Bon



✗
Incorrect/
Incorrecto/
Mauvais



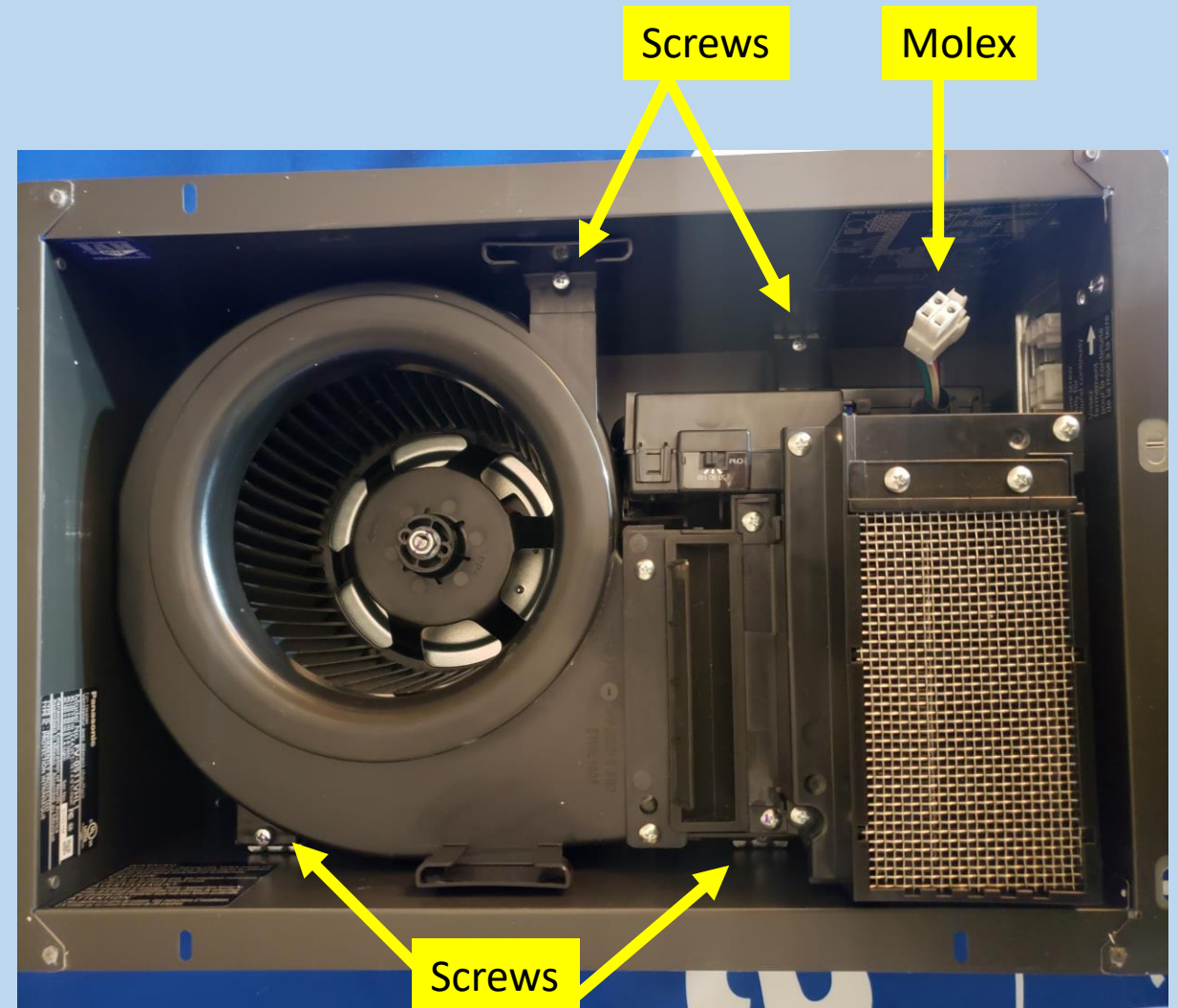
Printed Circuit Board Replacement Instructions

IMPORTANT SAFETY NOTICE

- Products powered by electricity should be installed, serviced or repaired by a qualified licensed electrician therefore the removal of the affected unit or installation of replacement parts should not be performed by the general public. Any attempt to service the product by anyone else could result in serious injury or death.

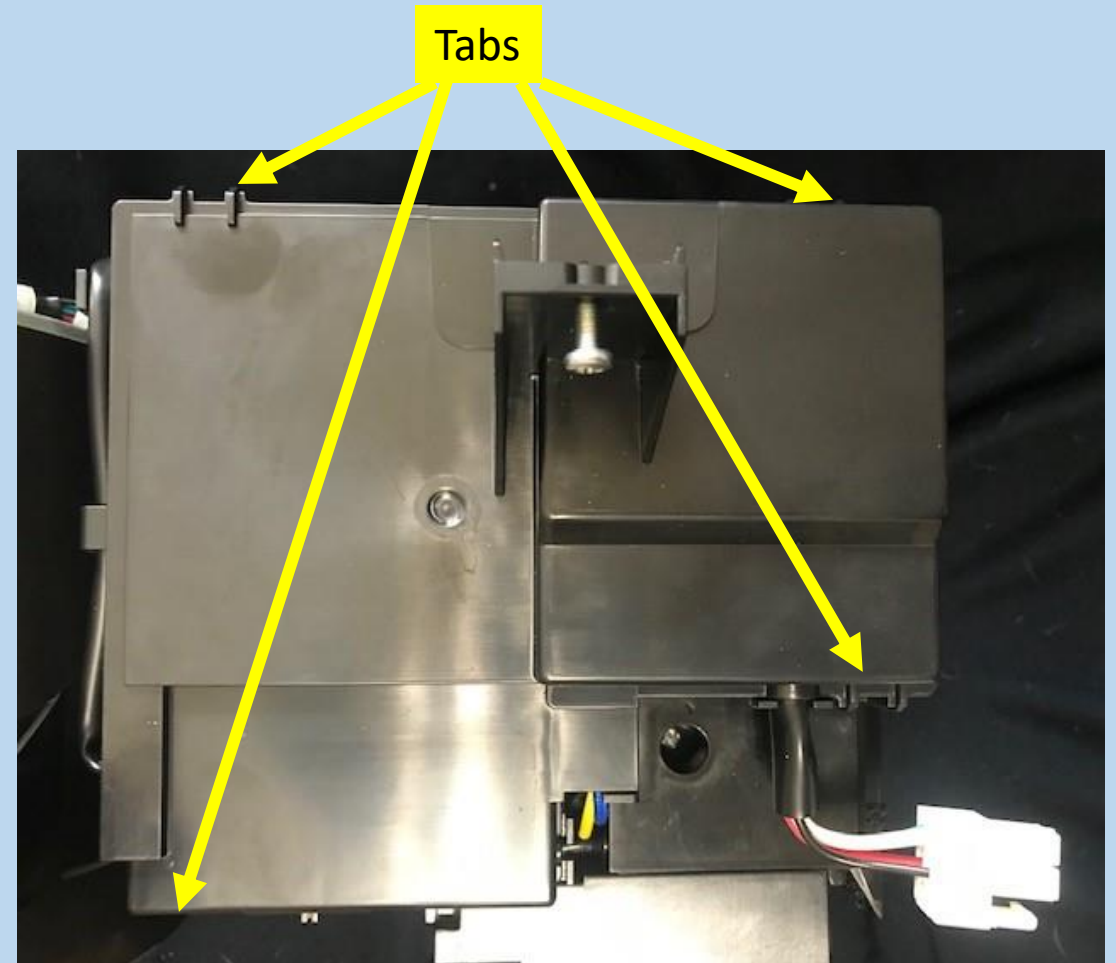
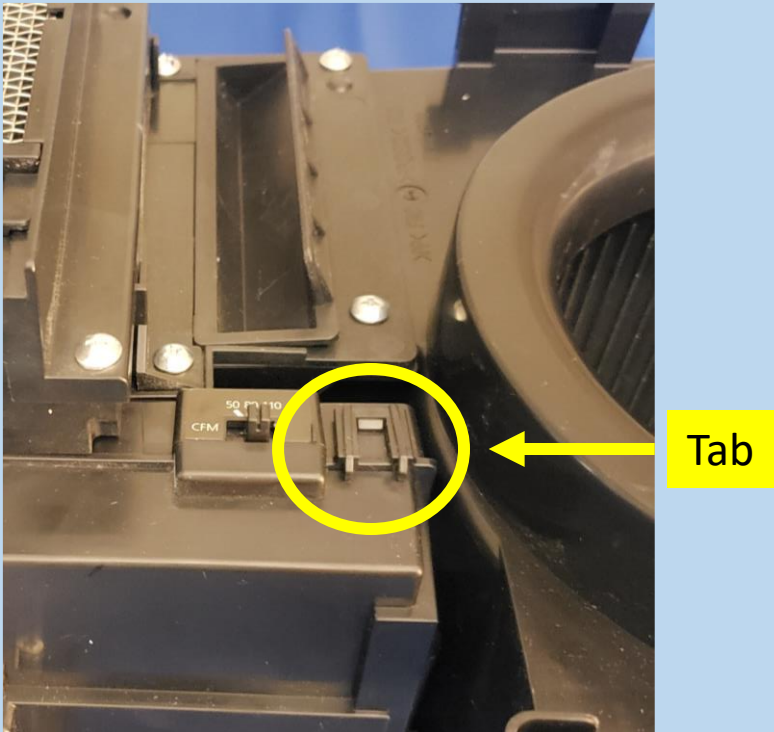
PCB Replacement Instructions

1. Disconnect power to unit
2. Remove grill assembly
3. Disconnect the primary white Molex connector from can
4. Remove the four screws inside of the housing assembly that secure the fan/heater assembly, while applying force to fan/heater assembly to prevent fan/heater assembly from falling out while removing the said four screws
5. Gently remove fan/heater assembly from the housing



PCB Replacement Instructions

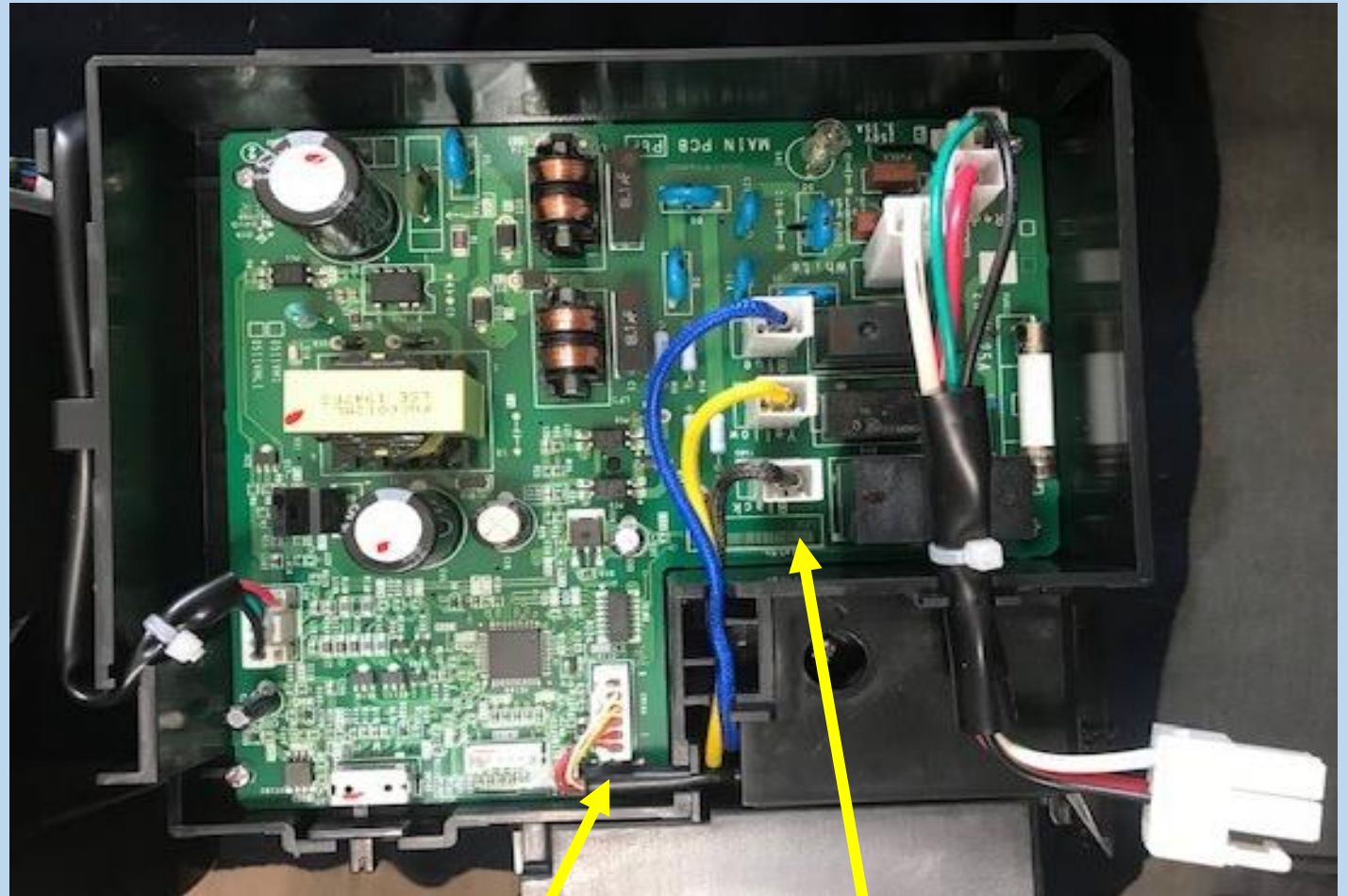
6. While fan/heater assembly is on a flat work surface, locate and gently lift the four tabs that secure the upper PCB cover while providing a gentle lifting motion



PCB Replacement Instructions

7. Remove the five-wire white Molex connector from the PCB (will need to gently pull upward on the wire assembly while pushing in on the center clip of the connector)
8. Remove the blue, yellow, and black wire connectors from the PCB

NOTE: PCB board comes with remaining wires pre-installed

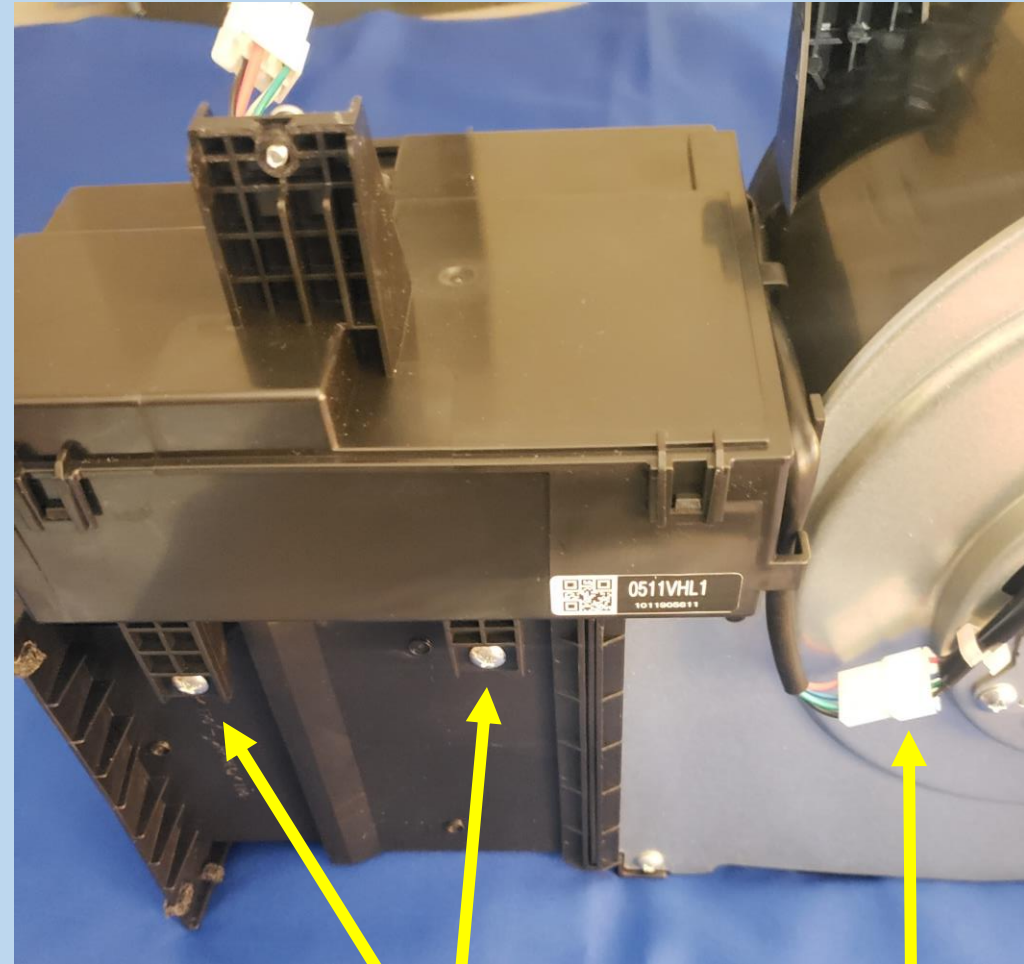


5 Wire Molex

Blue, Yellow, Black connectors

PCB Board Replacement Instructions

9. Unplug the four-wire white Molex connector at the bottom of the fan assembly
10. Remove the two screws located at the bottom of the heater assembly.

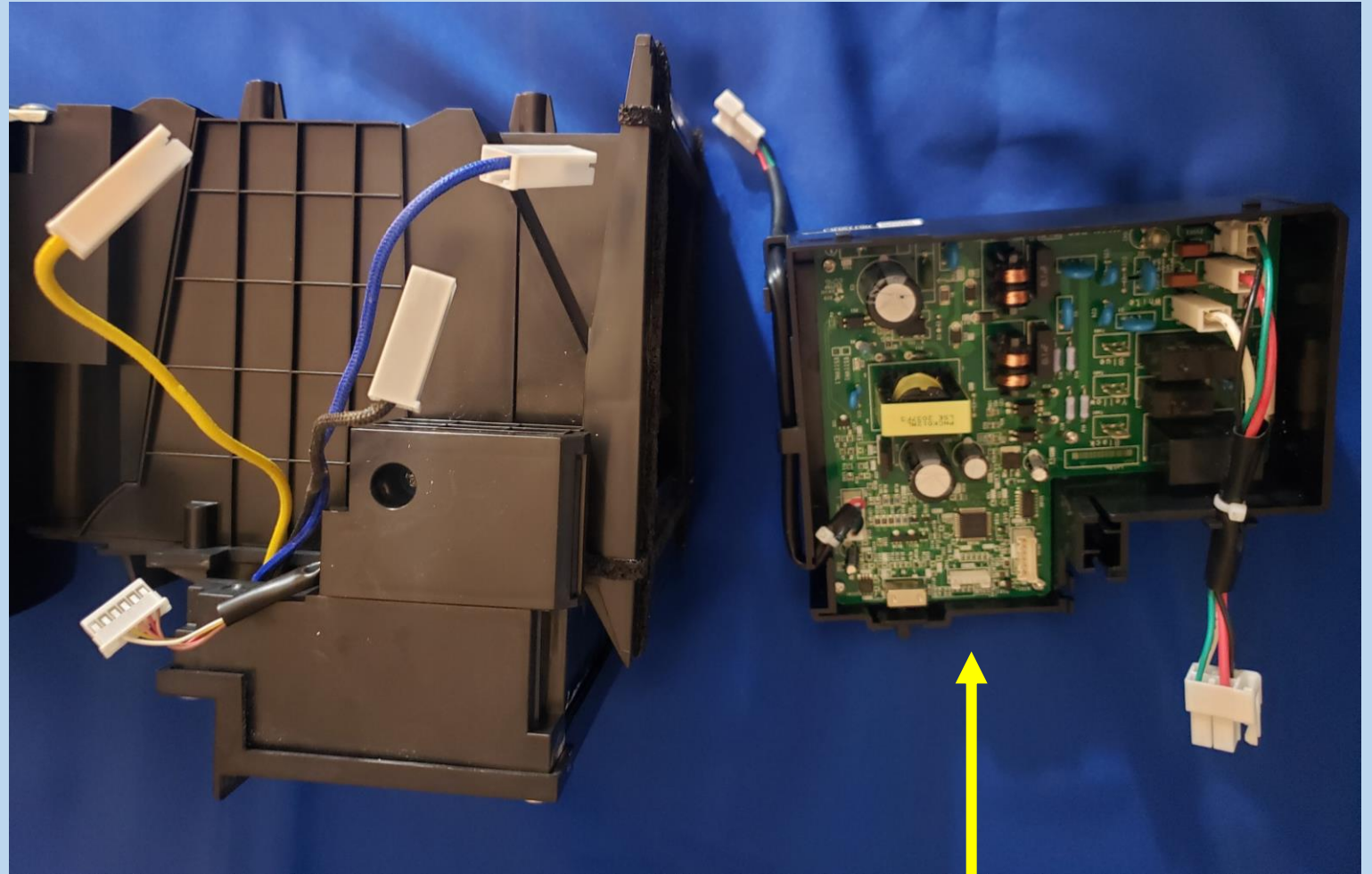


Screws

Molex

PCB Board Replacement Instructions

11. Lift out the remaining assembly that the PCB is attached to.
NOTE: Do not remove PCB board itself
12. The replacement PCB will be provided as shown with the power and fan wiring Molex.
13. Reassemble in reverse order



Replacement Part: Complete PCB Assembly