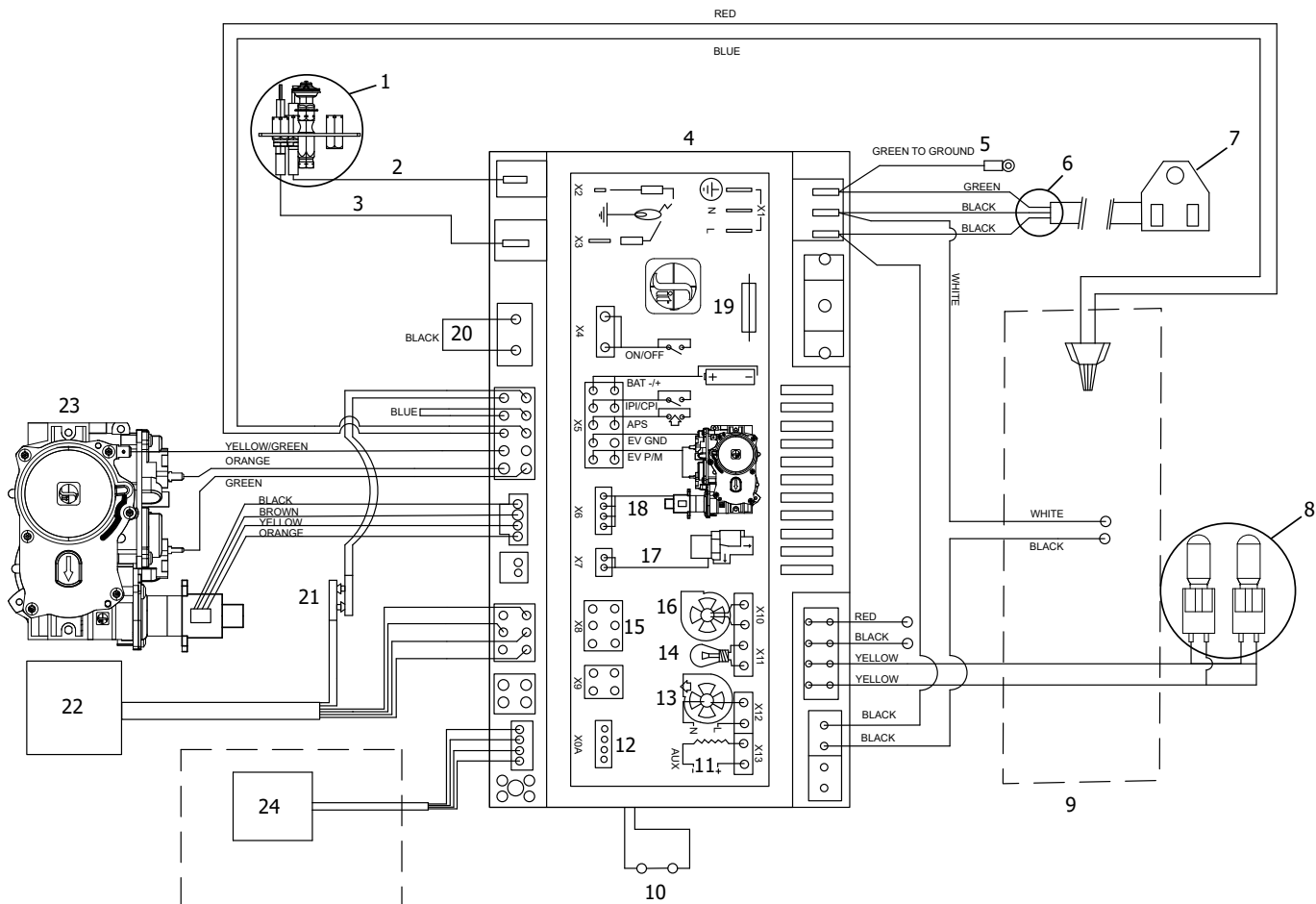


## Non-PV Wiring Diagram

While the burner does not require a 120 V A.C. power supply, it is highly recommended as a primary power source. Batteries (4 AA) should be used as a secondary power source only.

CAUTION

- Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation.
- Ensure that the wires do not touch any hot surfaces and are away from sharp edges.
- This appliance is equipped with a three-prong (grounding) plug for protection against shock hazard and should be plugged directly into a properly grounded three-prong receptacle. Do not cut or remove the grounding prong from the plug.
- Electrical power must be brought to the appliance by a licensed electrician. Do not cut the ground terminal off under any circumstances.



### NON PV

| Item | Part #      | Description                   |
|------|-------------|-------------------------------|
| 1    | 911-280     | Pilot Assembly NG             |
|      | 911-280     | Pilot Assembly LP             |
|      | W840470     | Pilot Gasket (not shown)      |
| 2    | 911-110     | Spark Electrode               |
| 3    | 911-111     | Flame Sensor Electrode        |
| 4    | 911-311/PV  | PFII IFC Board                |
| 5    | N/A         | Green to Ground               |
| 6    | 911-344     | Power Harness w/Aux Connector |
| 7    | 911-253-ASM | Main Line                     |
| 8    | 911-272     | Variable Lights               |

| Item | Part # | Description              |
|------|--------|--------------------------|
| 9    | N/A    | Electrical Shielding Box |
| 10   | N/A    | PV Switch                |
| 11   | N/A    | Load                     |
| 12   | N/A    | Diagnostic Interface     |
| 13   | N/A    | Combustion Blower        |
| 14   | N/A    | Lamp                     |
| 15   | N/A    | User Interface           |
| 16   | N/A    | Comfort Fan              |
| 17   | N/A    | Split Flow               |
| 18   | N/A    | Motor                    |

| Item | Part #    | Description         |
|------|-----------|---------------------|
| 19   | 911-182   | Fuse                |
| 20   | 911-193   | Connector w/Jumper  |
| 21   | 911-181   | Battery Connection  |
| 22   | 911-337/P | Battery Holder      |
| 23   | 911-188   | SIT Gas Valve NG    |
| 23   | 911-189   | SIT Gas Valve LP    |
| 24   | 946-799   | SIT WIFI Dongle Kit |

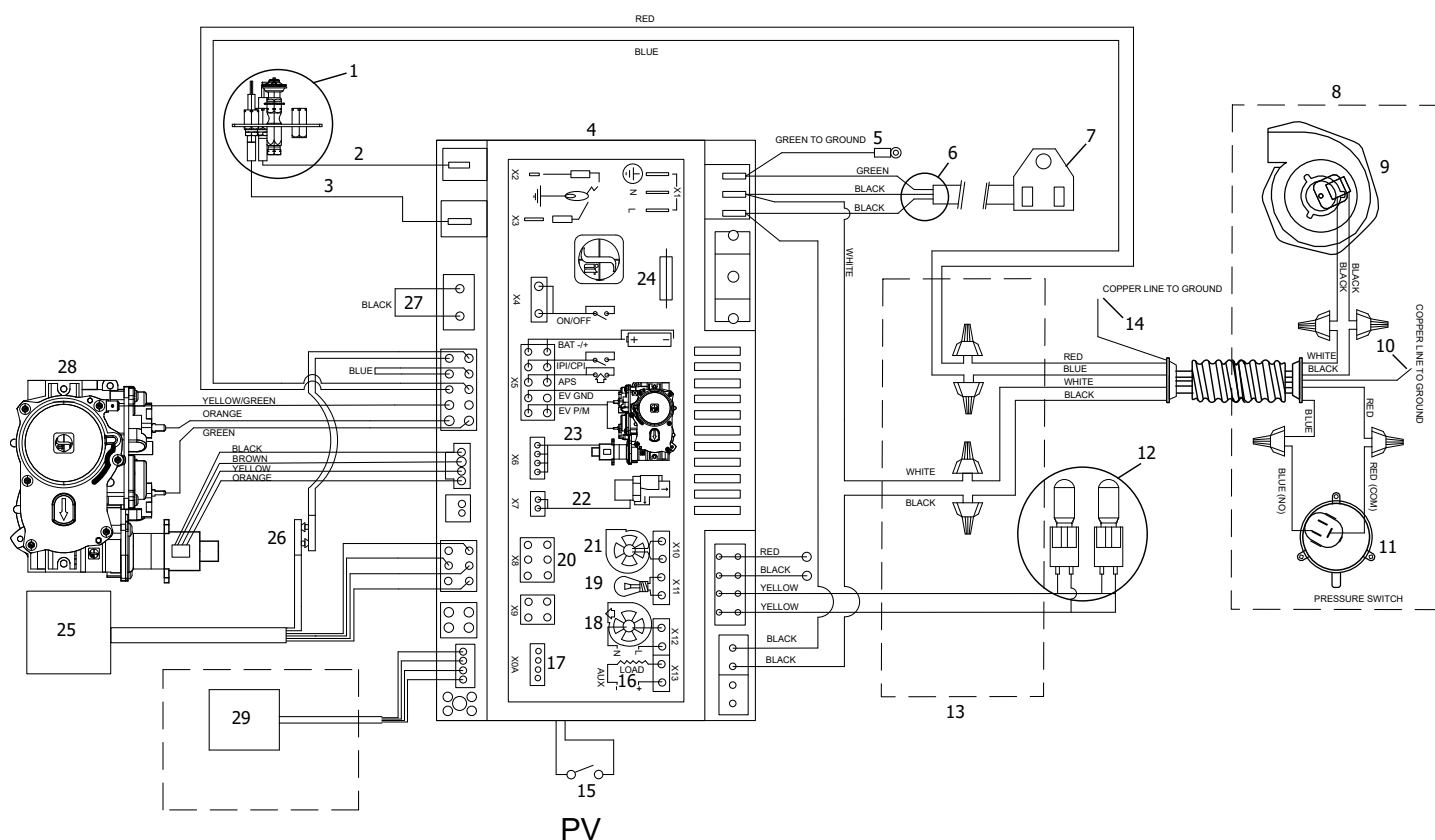
## Wiring Diagram - Power Vent Application

**Power Vent Model: 120VAC Power is required to operate unit when installed as a power vent.**

This appliance will not operate if 120 volt power is lost within the home.

CAUTION

- Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation.
- Ensure that the wires do not touch any hot surfaces and are away from sharp edges.
- This appliance is equipped with a three-prong (grounding) plug for protection against shock hazard and should be plugged directly into a properly grounded three-prong receptacle. Do not cut or remove the grounding prong from the plug.
- Electrical power must be brought to the appliance by a licensed electrician. Do not cut the ground terminal off under any circumstances.



| Item | Part #             | Description                    |
|------|--------------------|--------------------------------|
| 1    | 911-280            | Pilot Assembly NG              |
|      | 911-280            | Pilot Assembly LP              |
|      | W840470            | Pilot Gasket (not shown)       |
| 2    | 911-110            | Spark Electrode                |
| 3    | 911-111            | Flame Sensor Electrode         |
| 4    | 911-311/PV         | PFI IFC Board                  |
| 5    | N/A                | Green to Ground                |
| 6    | 911-344            | Power Harness w/ Aux Connector |
| 7    | 911-253-ASM        | Main Power                     |
| 8    | 946-535/666-945    | Power Vent                     |
| 9    | 911-305/P (Inline) | Fan Motor                      |

| Item | Part #                  | Description                                |
|------|-------------------------|--|
|      | 911-244/P (End of Line) |  |
| 10   | N/A                     | Copper Line to Ground                      |
| 11   | 911-112 (Inline)        | Pressure Switch                            |
|      | 911-112/P (End of Line) |  |
| 12   | 911-208                 | Light Housing Assembly (Bulb Not included) |
| 13   | 666-138                 | Electrical Shielding Box                   |
| 14   | N/A                     | Copper Line to Ground                      |
| 15   | 911-314                 | PV Switch                                  |
| 16   | N/A                     | Load                                       |

| Item | Part #    | Description               |
|------|-----------|---------------------------|
| 17   | N/A       | Diagnostic Interface      |
| 18   | N/A       | Combustion Blower         |
| 19   | N/A       | Lamp                      |
| 20   | N/A       | User Interface            |
| 21   | N/A       | Comfort Fan               |
| 22   | N/A       | Split Flow                |
| 23   | N/A       | Motor                     |
| 24   | 911-182   | Fuse 3.15 Amp Fast Acting |
| 25   | 911-337/P | Battery Holder            |
| 26   | 911-181   | Battery Connection        |
| 27   | 911-193   | Connector w/ Jumper       |
| 28   | 911-188   | Gas Valve NG              |
| 28   | 911-189   | Gas Valve LP              |
| 29   | 946-799   | SIT WIFI Dongle Kit       |