

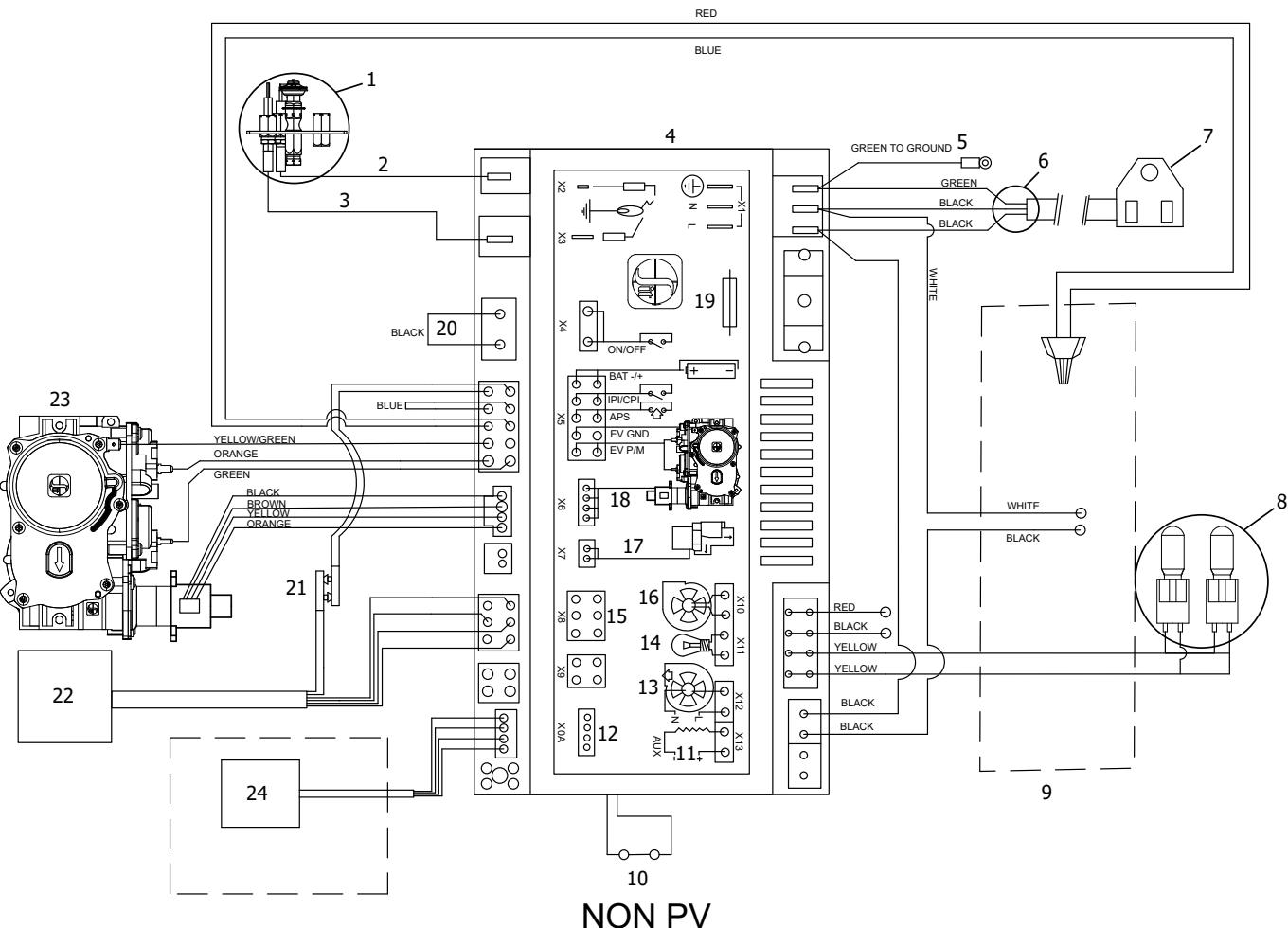
# installation

## Non-Power Vent 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.



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

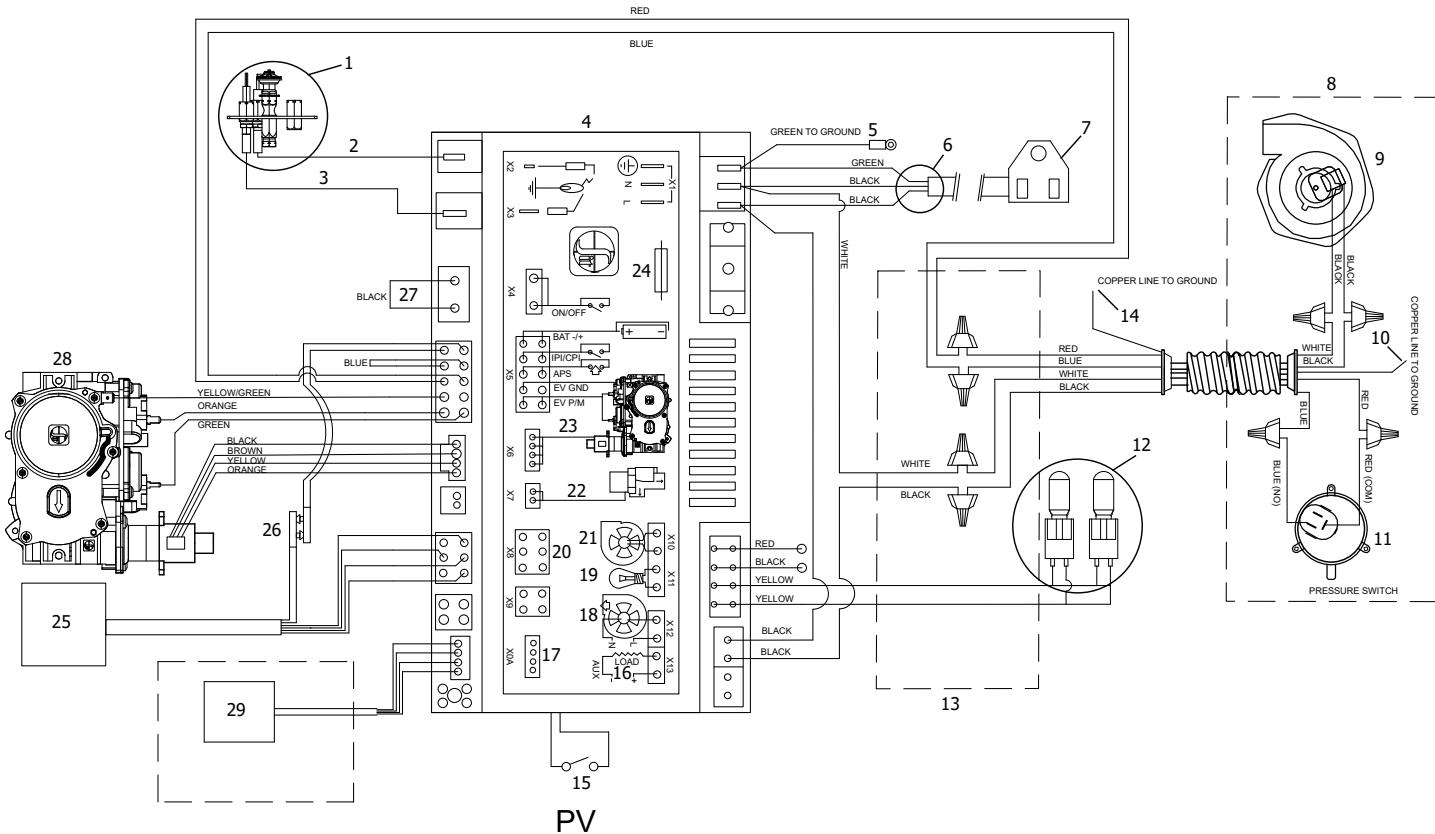
Item	Part #	Description
19	911-182	Fuse
20	911-193	Connector w/Jumper
21	911-181	Battery Connection
22	911-337/P	Battery Holder
23	911-188	SIT Gas Valve NG
23	911-189	SIT Gas Valve LP
24	946-799	SIT WiFi Dongle Kit

## 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	PFII 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