

installation

Wiring Diagram (Non Power Vent)

WARNING

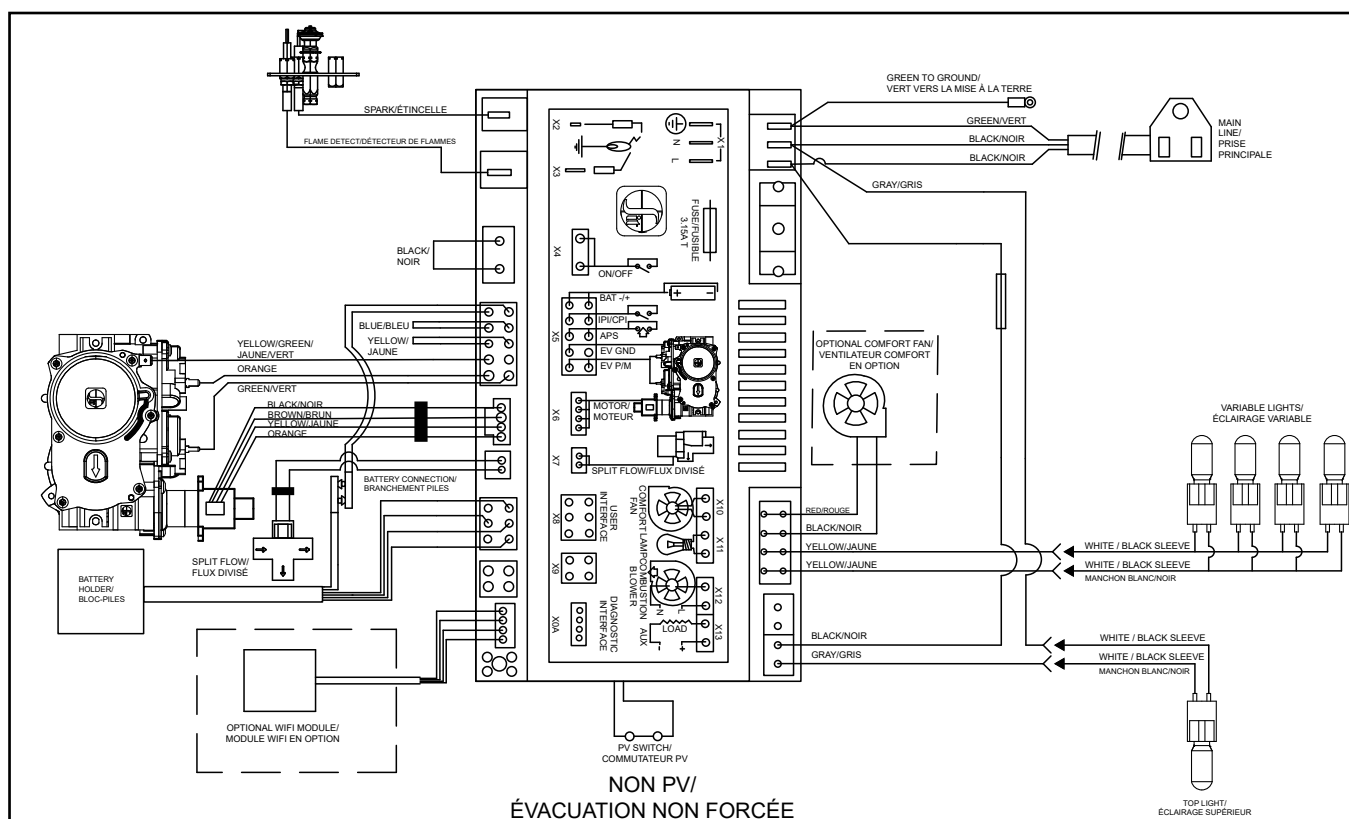
This appliance is equipped with a three pronged (grounding) plug for your protection against shock hazard. Plug it into a properly grounded three-prong receptacle. Do not cut or remove the grounding prong.

NOTE

Install AA batteries into the back-up battery compartment for this unit to operate when power is lost. See battery back-up instructions in this manual. The optional fan and lights will not operate on battery power.

CAUTIONS

- **Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation. Verify proper operation after servicing.**
- **Ensure that the wires do not touch a hot surface and are away from sharp edges.**



Item	Part No.	Description
1	911-280	Pilot Assembly NG
1	911-281	Pilot Assembly LP
2	911-038	Spark Electrode
3	911-037	Flame Sensor Electrode
4	911-311	PFII IFC Board
5	911-333	Power Harness w/Aux Connector
6	911-415	Light Assembly Top including 71" Long Wires
7	911-072	Halogen Light Bulb
8	796-917	Fan Kit
9	911-177	Wire 4 pos IFC Fan/Light
N/S	911-418/P	Comfort Fan Motor Replacement
10	911-416	Light Assembly Bottom

Item	Part #	Description
11	911-297	Halogen Bulb (Each)
12	911-421	Split Flow Valve
13	911-412	Wire Extension Split Flow Valve 48"
14	911-413	Stepper Motor Extension Wire Harness
15	911-414	Wire Harness Valve 66"
16	911-423	Wire Harness Fan/Bottom Lights
17	911-039	Pilot Hood Only 2 Way
18	946-799	WIFI Dongle
19	911-181	Wire Harness Battery Box
20	911-337/P	Battery Holder
21	911-010	Stepper Motor-NG
21	911-011	Stepper Motor-LP

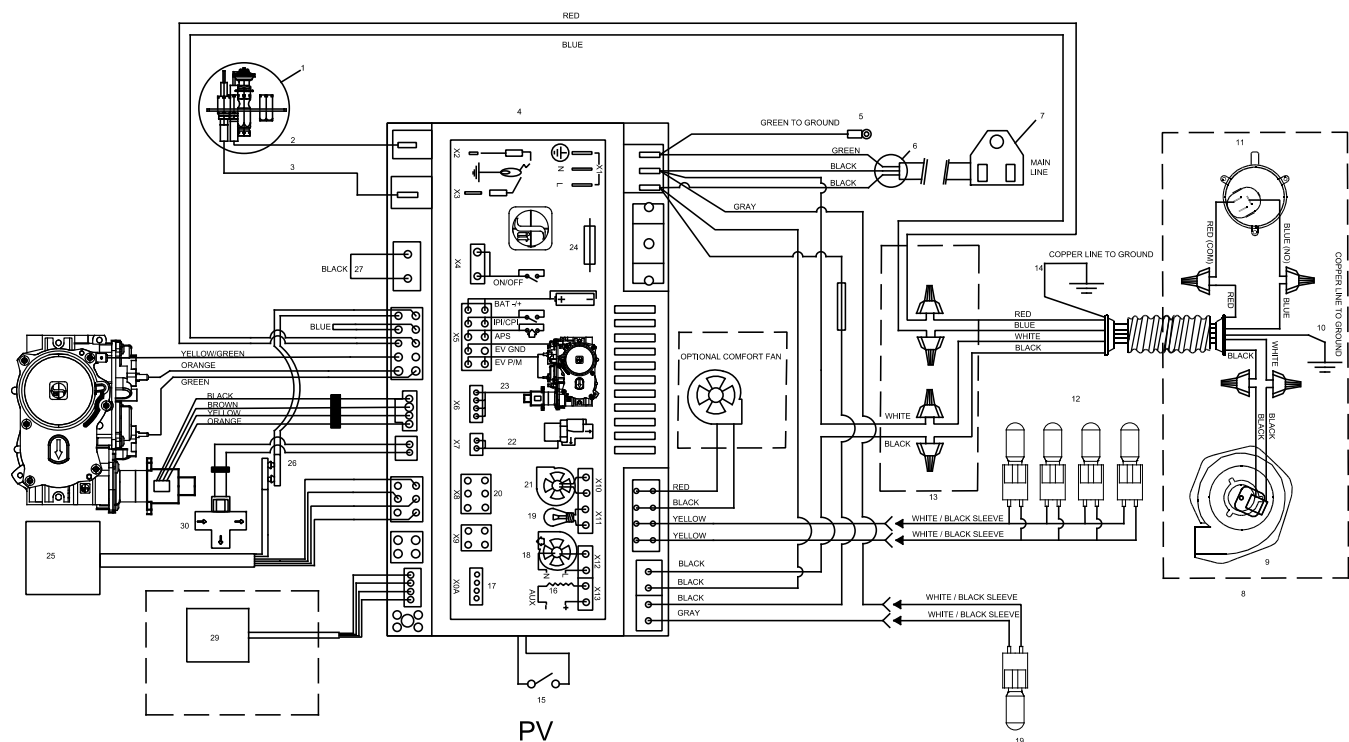
Item	Part #	Description
22	911-084	Valve-NG
22	911-085	Valve-LP
23	911-193	Jumper Wire

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
	911-281	Pilot Assembly LP
	W840470	Pilot Gasket (not shown)
2	911-110	Spark Electrode
3	911-111	Flame Sensor Electrode
4	911-311	PFII IFC Board
5	N/A	Green to Ground
6	911-428	Power Harness w/ Aux Connector + PV
7	911-431	Wire Harness PV Valve PF2 66"
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	Variable Lights
13	666-138	Electrical Shielding Box
14	N/A	Copper Line to Ground
15	911-314	PV Switch
16	N/A	Load
17	N/A	Diagnostic Interface

Item	Part #	Description
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
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
30	911-421	Split Flow Valve