

Compatibility

- 42 Apex Fireplace

Table of Contents

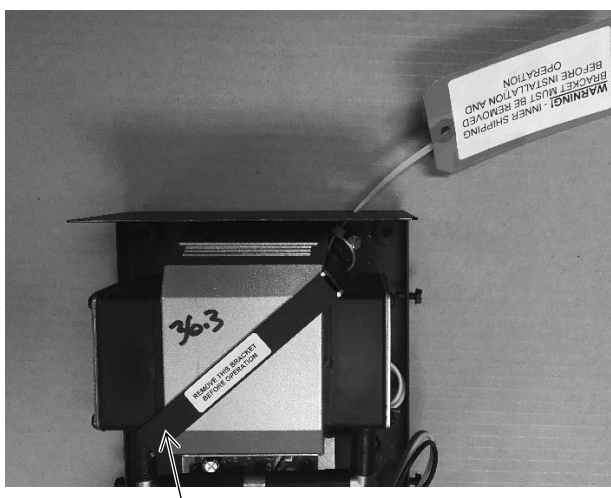
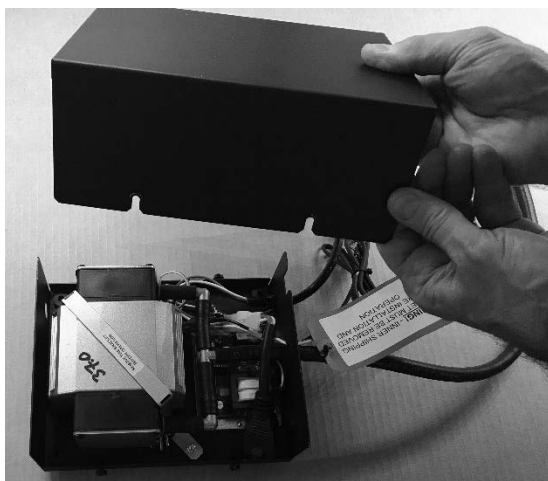
Electrical Requirements	1
Packing List	1
Installation	2
Operating Warnings	10
Operating Tips	10
Operating Instructions	10
Bellows Feature	10

Electrical Requirements

USA or CANADA: This kit requires 8 amps, 120 Volt AC.

AUSTRALIA: This kit requires 4 amps, 240 Volt AC.

REMOVE AND DISCARD THE SHIPPING BRACKET



Remove the cover from the compressor assembly. Remove the shipping bracket and discard it along with the 2 screws that held it in place ($\frac{1}{4}$ " nutdriver). Replace the cover.

Packing List

- Compressor assembly
- Igniter firebrick
- Gasket
- Strain relief
- Igniter assembly
- Cover plate
- Green start button
(taped to back of cover plate)



Installation



Install the greenstart igniter after the fireplace is in place and connected to power. **MAKE SURE TO DISABLE THE BREAKER TO THE FIREPLACE BEFORE INSTALLING THE IGNITER.**

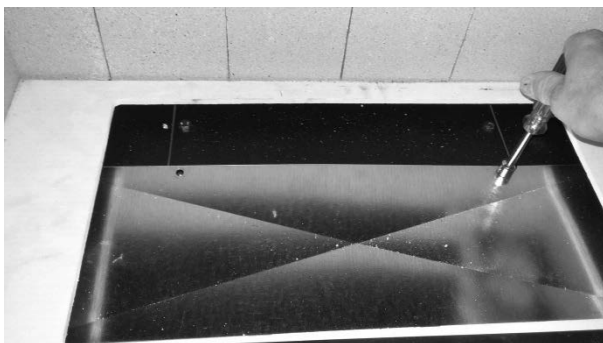
1. Remove floor bricks and clean floor plate.



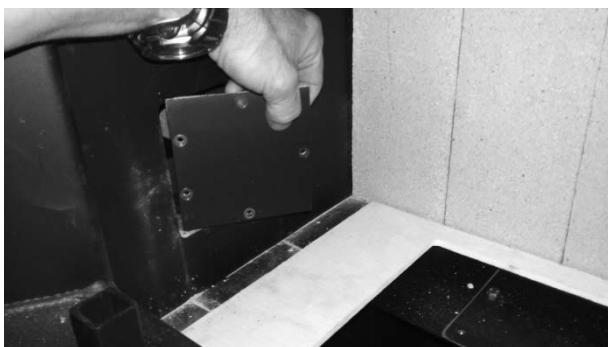
2. Remove floor plate by lifting from the finger holds on the front flange.



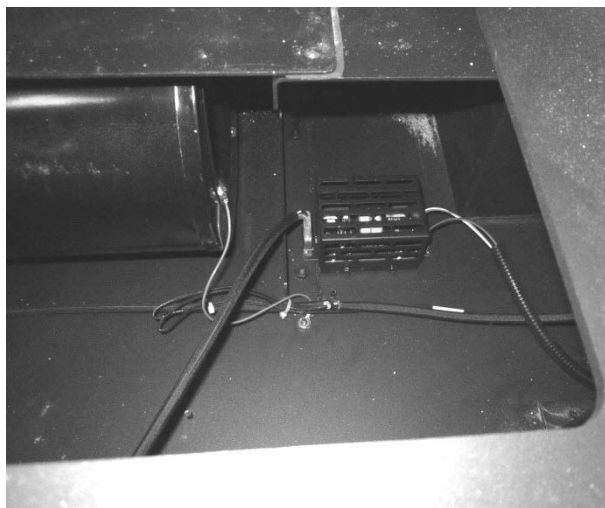
3. Remove the heat shield bolts (2 - 7/16" bolts) and remove the heat shield by sliding to the left and lifting out.



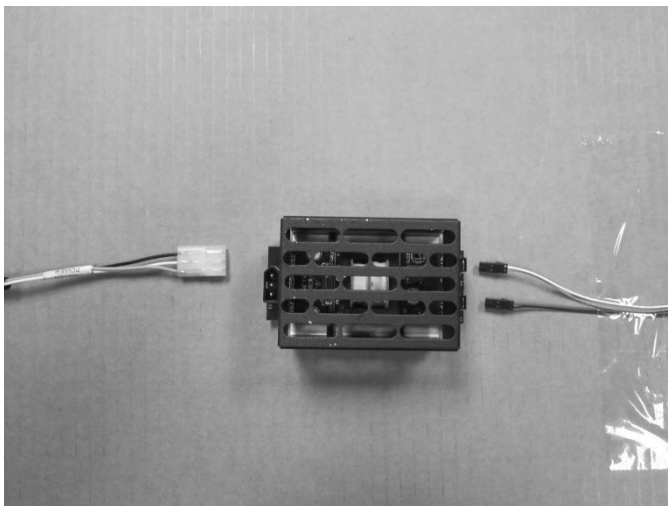
4. Take out the left side wall fire bricks and remove the igniter mount cover plate.



- 5 Detach the power supply electrical box from the fireplace base by pulling it straight up (it is secured to the base with Velcro).



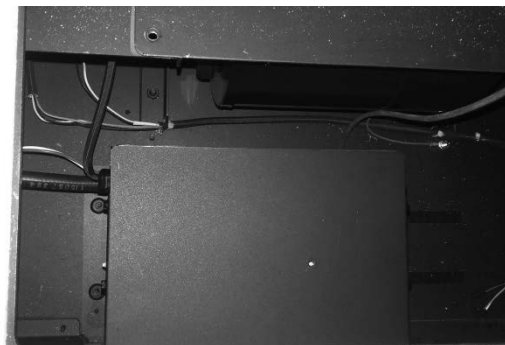
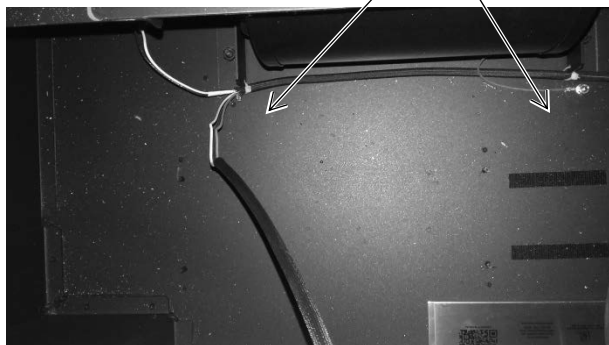
6. Disconnect the three electrical connections from the power supply (power in, two power/switch connections). The power supply may be discarded.



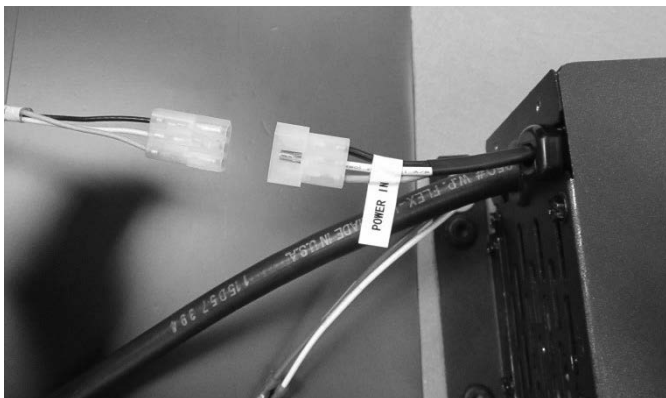
7. Remove and discard the shipping screw (and tag) from the top of the compressor assembly.



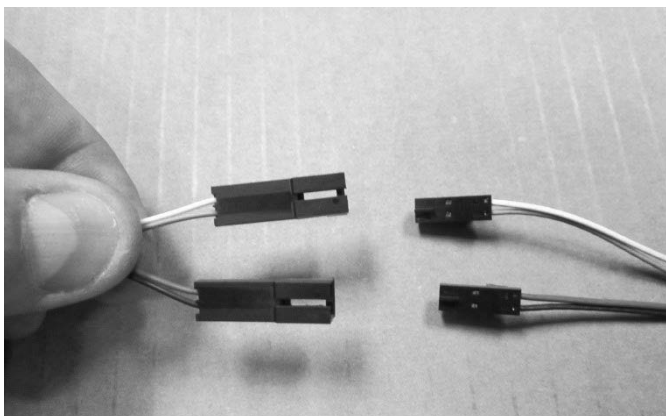
8. Place the compressor box on the 4 locating posts shown below on the fireplace base floor as shown.



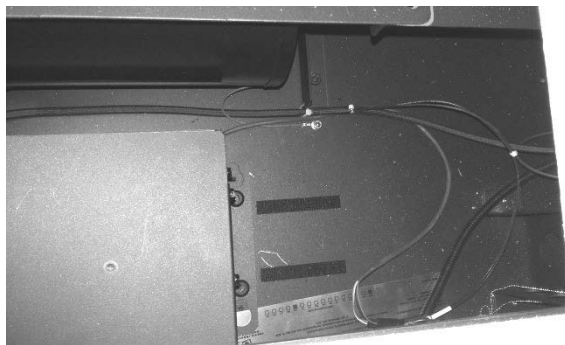
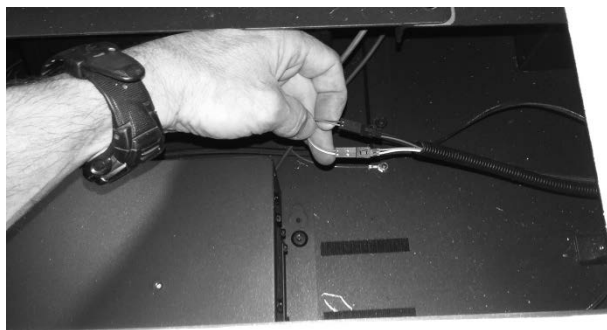
9. Connect the power in and two power/switch connections to the leads from the compressor box. Make sure all of the wires are routed on the base floor and no not touch the firebox bottom.



10. Connect the two power/switch connections to the leads from the compressor box. Make sure all of the wires are routed on the base floor and no not touch the firebox bottom.



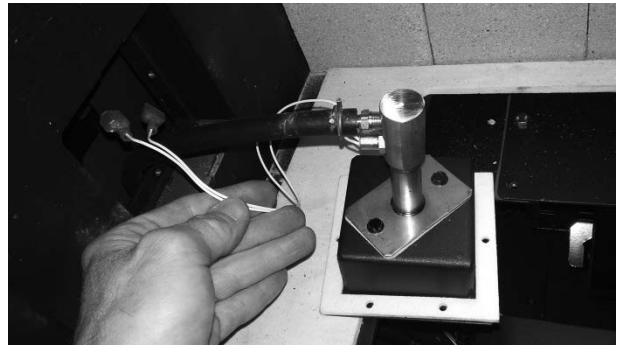
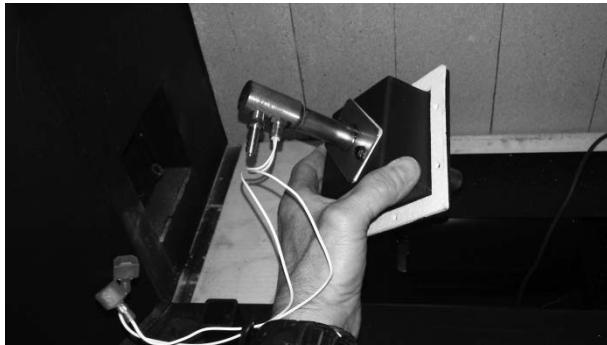
DO NOT REVERSE THE WIRES – Make sure the green/white wires from the compressor attach to the green/white wires from the harness (same for the red/black wires).



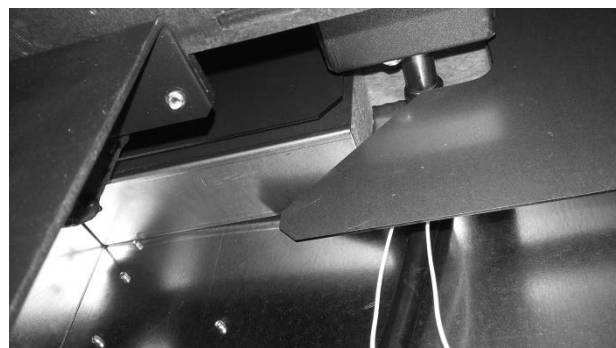
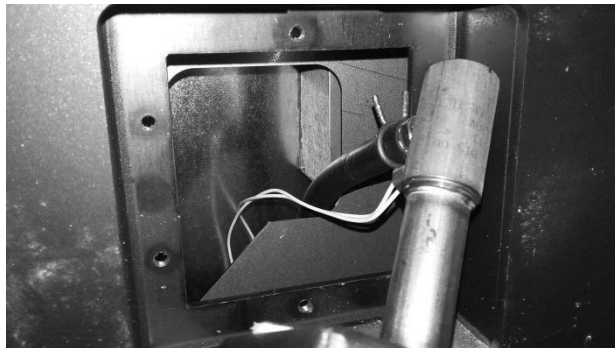
11. Route the air hose from the compressor box from below through the igniter mounting hole.



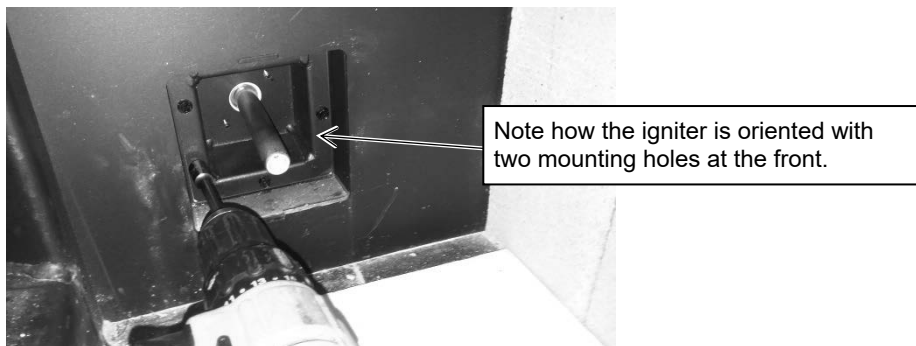
12. Unpack the igniter assembly, place the white square gasket onto the igniter mounting box then connect the air tube to the brass nipple on the igniter.



13. Route the electrical wires and the air hose behind the outer heat shield shown in left photo below. There is a slot cut into the shield that the hose and wires can be routed through. Right picture shows correct routing of wires and tube from below the firebox looking up.



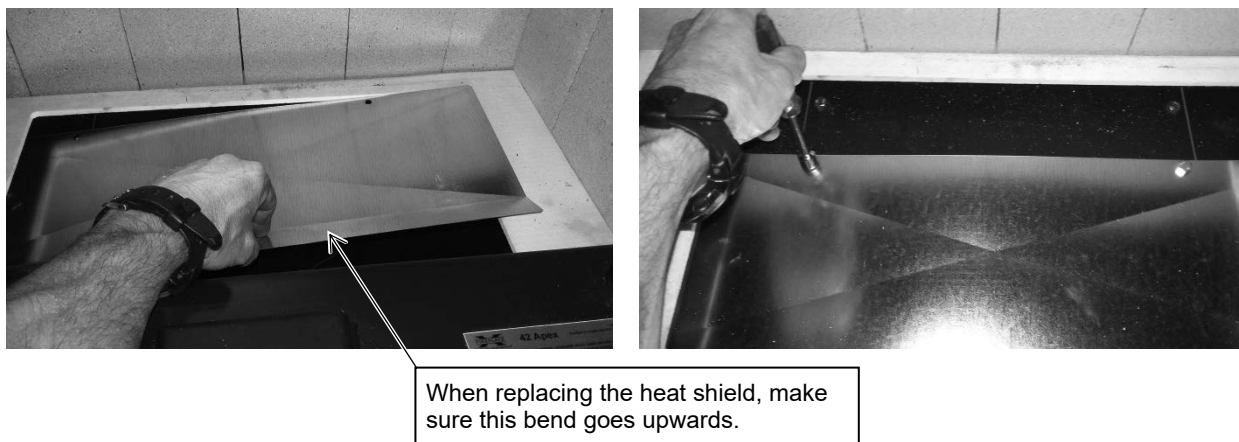
14. Mount the igniter assembly into the fire box side wall using the 5 screws that held the cover plate.



15. Connect the igniter wires to the compressor assembly, orientation does not matter.



16. Replace the heat shield.



17. Replace the side fire bricks using the igniter brick.



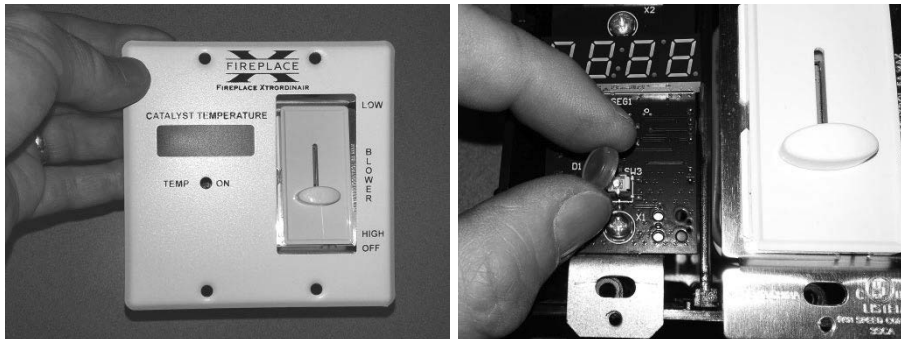
18. Install the firebox floor plate (if unit has been burned use a new floor plate gasket) and install floor bricks.



19. Remove the cove plate and install the green start button cover onto the circuit board

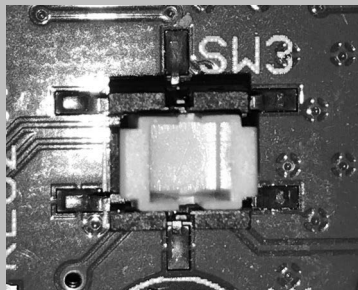
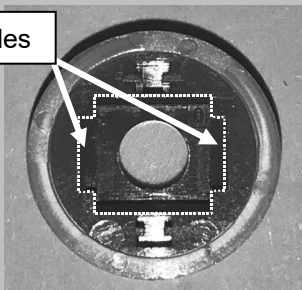


The GreenStart button is taped to the back of the cover plate shipped with this kit.

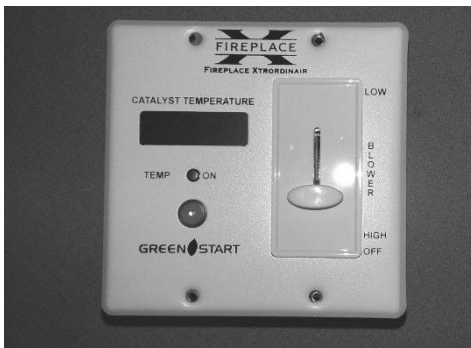


NOTE: Pay close attention to the orientation of the button to the clip on the board. Orientation matters (see pictures below).

Tab slots should be to the sides



20. Install Greenstart cover plate.





Operating Warnings

- **MAKE SURE THE AIR CONTROL AND BYPASS (IF APPLICABLE) ARE OPEN. FAILURE TO OPEN THESE CONTROLS MAY LEAD TO SMOKE ENTERING THE HOME.**
- **DO NOT OPEN THE DOOR DURING IGNITION. THIS MAY LEAD TO SMOKE ENTERING THE HOME.**
- **DO NOT PLACE YOUR HAND NEAR THE IGNITER OPENING. THIS AREA BECOMES EXTREMELY HOT AND MAY CAUSE SEVERE BURNS.**



Operating Tips

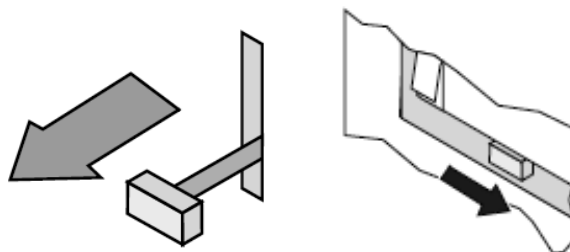
- The compressor assembly will turn on for 30 seconds when it is first plugged in. This is normal.
- The igniter must only be operated with someone present. Improper operation may lead to smoke entering the home.
- Hardwood or un-seasoned wood may take longer to ignite. For this kind of wood you may need to cut the kindling into smaller pieces.
- Wood placement is the key. Experiment with different sizes of wood and wood placement until you find a method that works best for your wood quality and kindling.
- Make sure to place wood within 1" of the igniter opening.

Operating Instructions

Use the QR code or URL at the bottom of this page to view a video showing how to use the igniter. The videos show you the best way to load wood and what you should expect to see when using the igniter.

1. Gather a handful of kindling, approximately 1-1/2" in diameter. Place two sticks under the igniter in the path of the air stream. Stack the remaining kindling near the air opening, leaving a minimum 1" gap to the igniter opening and plenty of space for air to pass through. The more surface area the air flow contacts, the quicker the fire will start.

2. Make sure the air control and bypass are in the open position.



3. Close the stove door when all kindling is in place.
4. Press the igniter button to start the ignition process. The green indicator light on the button will turn on. The igniter and compressor assembly will run for 15 minutes before shutting off automatically.

NOTE: If you need to turn off the igniter after starting the ignition process, press the GreenStart button a second time. The system will turn off power to the igniter and the GreenStart button will flash. The pump will continue to run for about seven minutes and then shut off.

Bellows Feature

If a bellows effect is desired (adding oxygen to the fire without cycling the igniter) simply push the GreenStart button twice, which will start the pump-only mode. The bellows effect will stay on for 7 minutes, before the unit shuts down.

Want to know more?

Scan this code with a QR reader on your cell phone or use the URL below to watch a video of how to use the GreenStart igniter.

<https://vimeo.com/333399016>

