



TRAVIS INDUSTRIES
HOUSE OF FIRE

FoxFire / DeerField Temperature Sensor Upgrade Kit

SKU# 250-04548

Compatibility

The following pellet stoves do not have an external temperature sensor. This kit may be used to upgrade the stove to the new sensor, improving temperature accuracy and calibration.

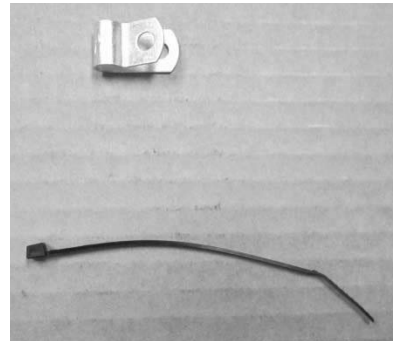
- Lopi Deerfield Stove SN# 2110-000002 – 2110-000318
- Lopi Foxfire Stove SN# 2108-000000 – 2108-000346

Packing List

- Temperature Sensor



- Wire Retainer



- Lock-Tie



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Installation

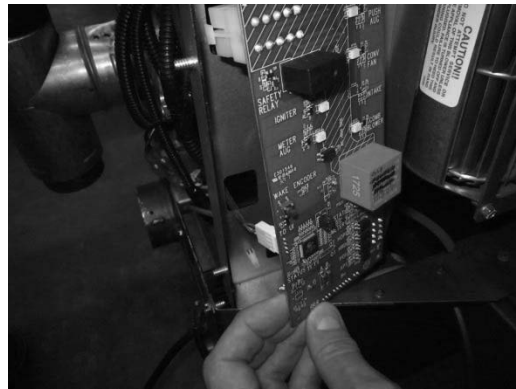


NOTE: Disconnect the stove from power prior to installing the sensor.

NOTE: This upgrade should only be performed by qualified service personnel.

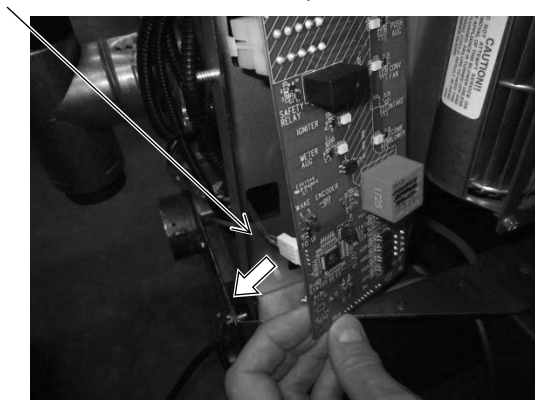
NOTE: Make sure the stove is cool prior to installation.

1. Remove the rear panel.
2. Carefully pull the power board away from its mounting tabs (these tabs are plastic and allow for the board to disengage).



3. Disconnect the harness leading to the user-interface (UI).

NOTE: This connection is difficult to remove. You must pull the harness away from the locking tab (to the left).





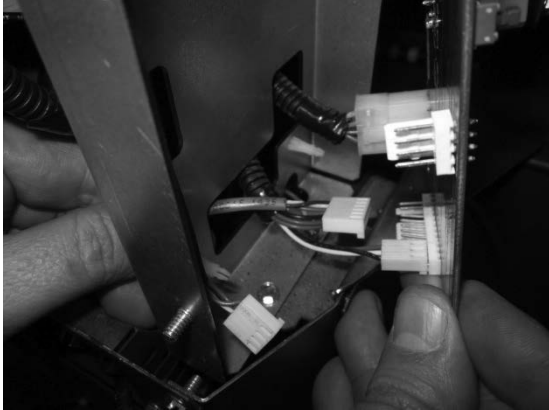
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4. Disconnect the harness leading to the internal thermostat.

NOTE: This connection is difficult to remove. You must pull the harness upwards, away from the locking tab.



5. Attach the external temperature sensor to the internal thermostat connection removed in step 4.
6. Re-attach the harness leading to the user-interface (UI).
7. Route the temperature sensor wire downwards towards the external thermostat connectors. Insert the sensor through the hole below the connectors (see picture below).



8. Pull out approximately 9" of sensor wire. Use the included wire clamp to secure the sensor wire to the back of the stove as shown below – the end of the sensor should not contact any material (it should be open to air). Use the included lock-tie to secure any excess wire inside the stove.

NOTE: extra wire is provided if you wish to set the sensor further away from the stove (outside alcove, etc.).



9. Restore the stove to the correct configuration.



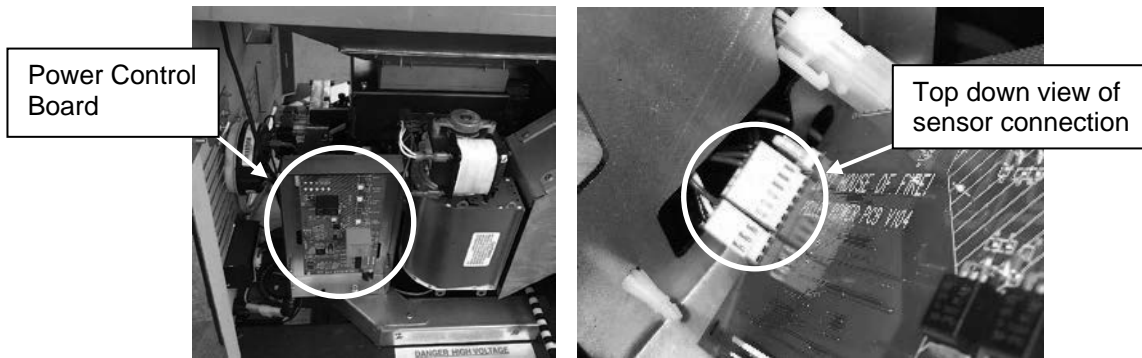
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Deerfield/Foxfire Temp Sensor Notice

This notice is regarding the Internal Thermostat function on the Lopi Foxfire™ and Deerfield™ stoves. This applies to Deerfield stove that have been upgraded using upgrade kit sku# 250-04534 and Foxfire stoves that have had the extended temp sensor (sku# 250-04548) added.

We have received reports of stoves showing errant temperature readings, on the user interface, after installation of the extended temp. sensor used in the kit (Deerfield) or installed as an upgrade (Foxfire).

The kit required the removal and replacement of the Power Control Board (PCB) and the temperature sensor for the stoves internal thermostat. If the connection of the sensor to the board is incorrect, the temperature issue may occur. If you experience a stove that shows room temperatures in excess of 140°F, please check the connections of the temperature sensor to the board (see below). It is imperative that Installation of the connectors on the back on the replacement board are connected in exactly the same location and orientation as they were installed originally from the factory.

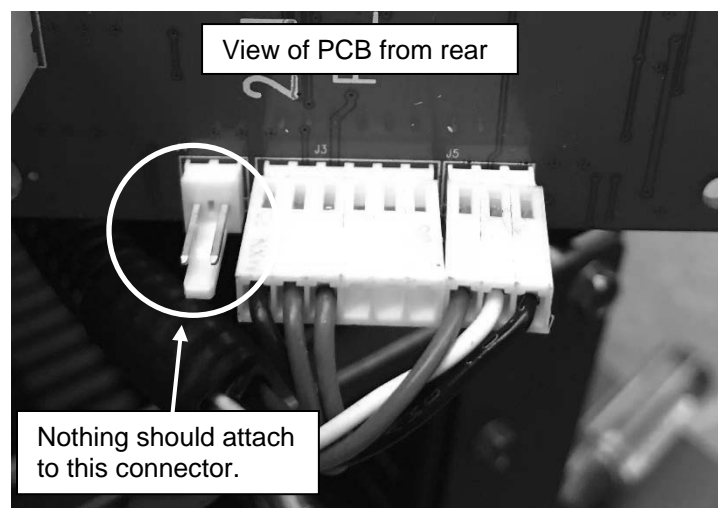


NOTE: It is possible to connect the sensor one pin off, causing the inaccurate reading.

When verifying the alignment of the connectors check the following carefully:

- The locking tabs on the connectors should be facing the bottom of the board. When done correctly, the connector will “click” into place on the board.
- There are three connection points on the board that are all in a row. One has (2) pins, the middle one has (6) pins and the last one has (3) pins. **ONLY THE 6 PIN AND THE 3 PIN CONNECTOR SHOULD BE USED.** After installation the (2) pin connector should still be empty.
- If the User Interface still shows a temperature of 140°F or more, disconnect the temperature probe from the board and connect the original “internal” temp probe that is part of the stoves wire harness. If the temperature reads properly, then the replacement temp probe was faulty and should be replaced using sku# 250-04548. Provide the serial number of the stove when ordering.

NOTE: Once improper connection of the probe has been ruled out, the temp probe is likely the issue. Do not replace the PCB or the User interface for this issue until the connections are thoroughly checked **AND** you contact Technical Support for assistance (425-609-2500).



If the connections are correct and the problem persists, perform the voltage test that is explained in detail in the “Testing DC voltage from the Temperature Sensor” section of the “Deerfield/Foxfire Troubleshooting and Service Guide”, available in the back office.

This issue does not affect the operation of the stove in either external thermostat or manual modes.