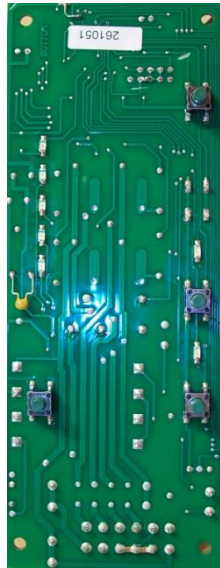
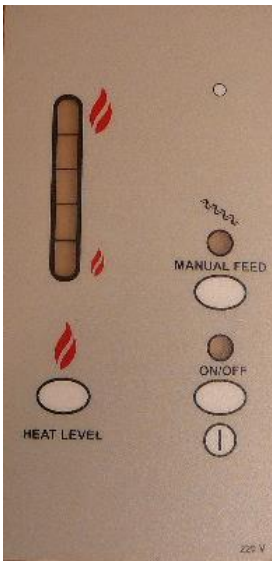
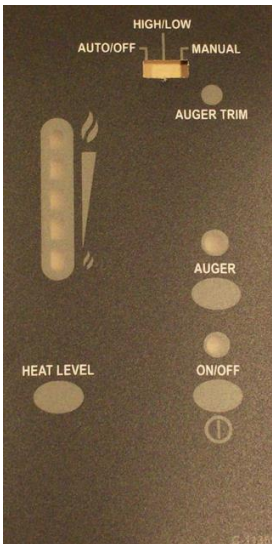


**1<sup>ST</sup> GEN EMPRESSFS with No T-Stat Switch Decal 50-714 / Board 50-1369 (No Convection Button)**

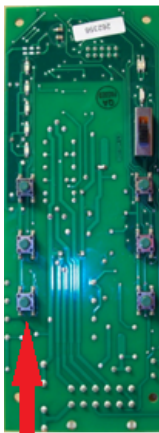
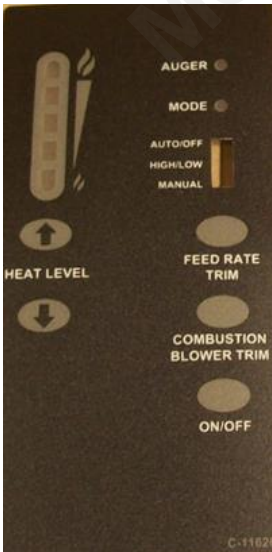


**2<sup>ND</sup> GEN EMPRESSFS with Horizontal T-Stat Switch Decal 50-1482 / Board 50-1477 (No Convection Button)**

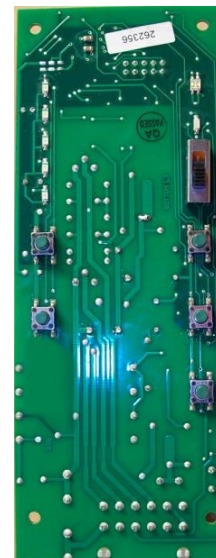


**3<sup>RD</sup> GEN EMPRESSFS with Vertical T-Stat Switch Decal 50-1992 / Board 50-1929 (No Convection Button)**

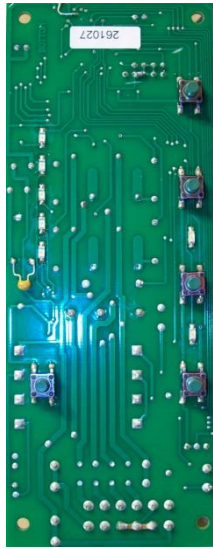
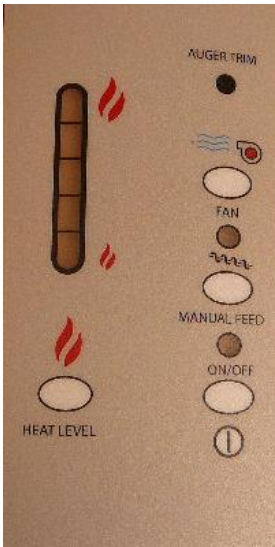
**\*\* FOR PROGRAMMING YOUR NEW 50-1929 BOARD SEE PAGE 10 OF THIS FILE\*\***



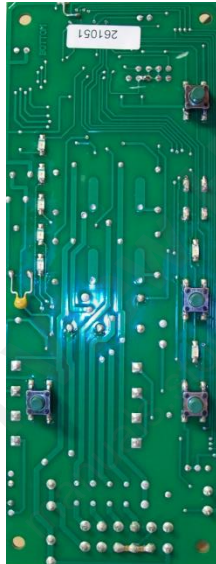
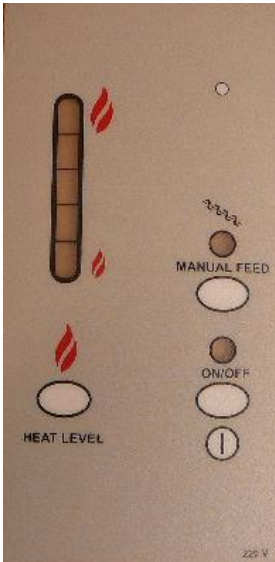
Your existing board may not have this button. This is because the new 50-1929 board is used on some models that have a ROOM AIR FAN ON/OFF button on the panel and some panels that do not.



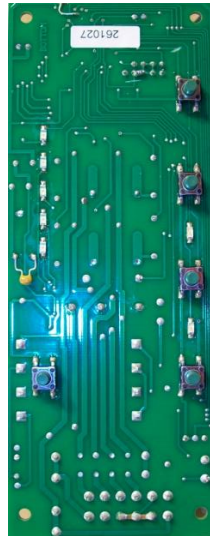
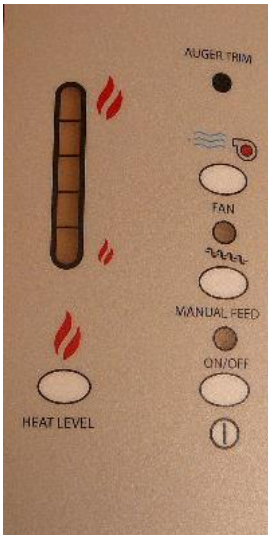
**1<sup>ST</sup> GEN WINDSOR with No T-Stat Switch Decal 50-179 / Board 50-178 with Convection Button**



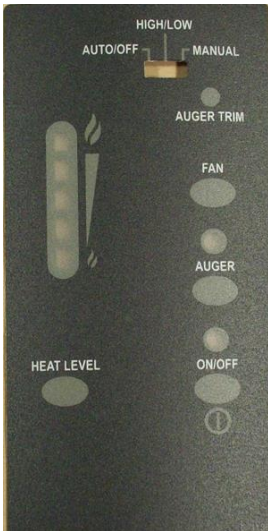
**2<sup>ND</sup> GEN WINDSOR with NO T-Stat Switch Decal 50-714 / Board 50-1369 (No Convection Button)**



**1<sup>ST</sup> GEN Meridian/MINI/EF5/Vista-Flame with No T-Stat Switch Decal 50-179 / Board 50-178**

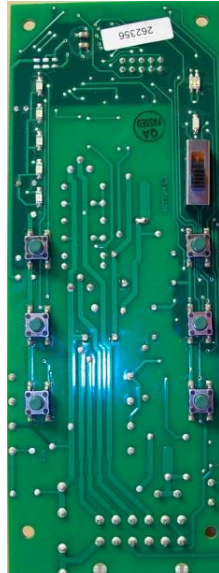
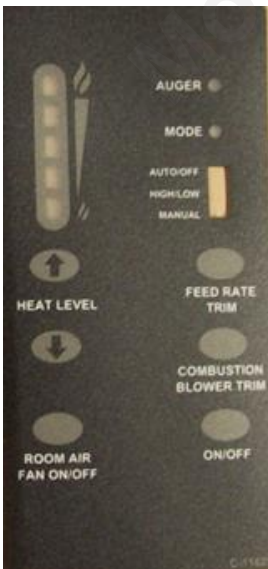


**2<sup>nd</sup> GEN Meridian/MINI/EF5/Vista-Flame with Horizontal T-Stat Switch Decal 50-1476 / Board 50-1477**

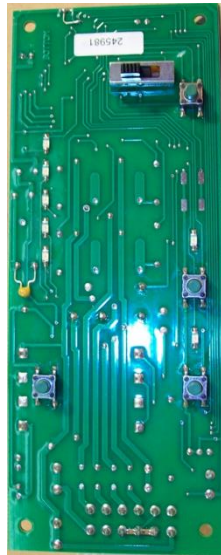
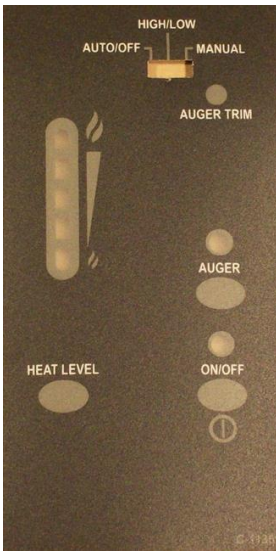


**3<sup>rd</sup> GEN Meridian/MINI/EF5/Vista-Flame with Vertical T-Stat Switch Decal 50-1930 / Board 50-1929**

**\*\* FOR PROGRAMMING YOUR NEW 50-1929 BOARD SEE PAGE 10 OF THIS FILE\*\***

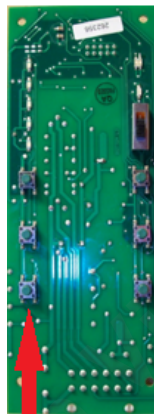


**1<sup>st</sup> GEN MaxxA Circuit Board Decal 50-1482 / Board 50-1655 - Superseded to 2<sup>nd</sup> GEN**

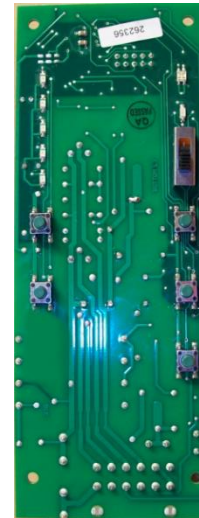


**2<sup>nd</sup> GEN MaxxB Circuit Board Decal 50-2166 / 50-1929 Board**

**\*\* FOR PROGRAMMING YOUR NEW 50-1929 BOARD SEE PAGE 10 OF THIS FILE\*\***

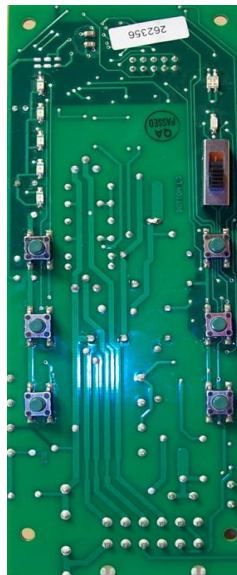
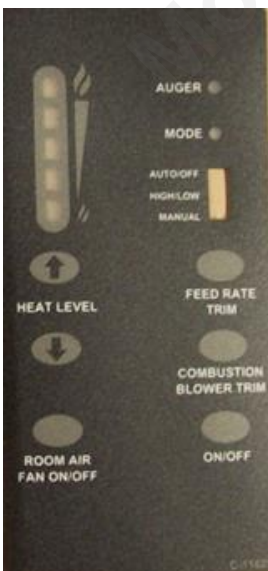


Your existing board may not have this button. This is because the new 50-1929 board is used on some models that have a ROOM AIR FAN ON/OFF button on the panel and some panels that do not.



**3<sup>rd</sup> GEN Maxx1 Circuit Board Decal 50-1930 / 50-1929 Board**

**\*\* FOR PROGRAMMING YOUR NEW 50-1929 BOARD SEE PAGE 10 OF THIS FILE\*\***



**1<sup>st</sup> GEN EMPRESSFPI/MILAN Mother Board 50-1392 (PRE S/N 208161) - Superseded to 2<sup>nd</sup> GEN KIT**

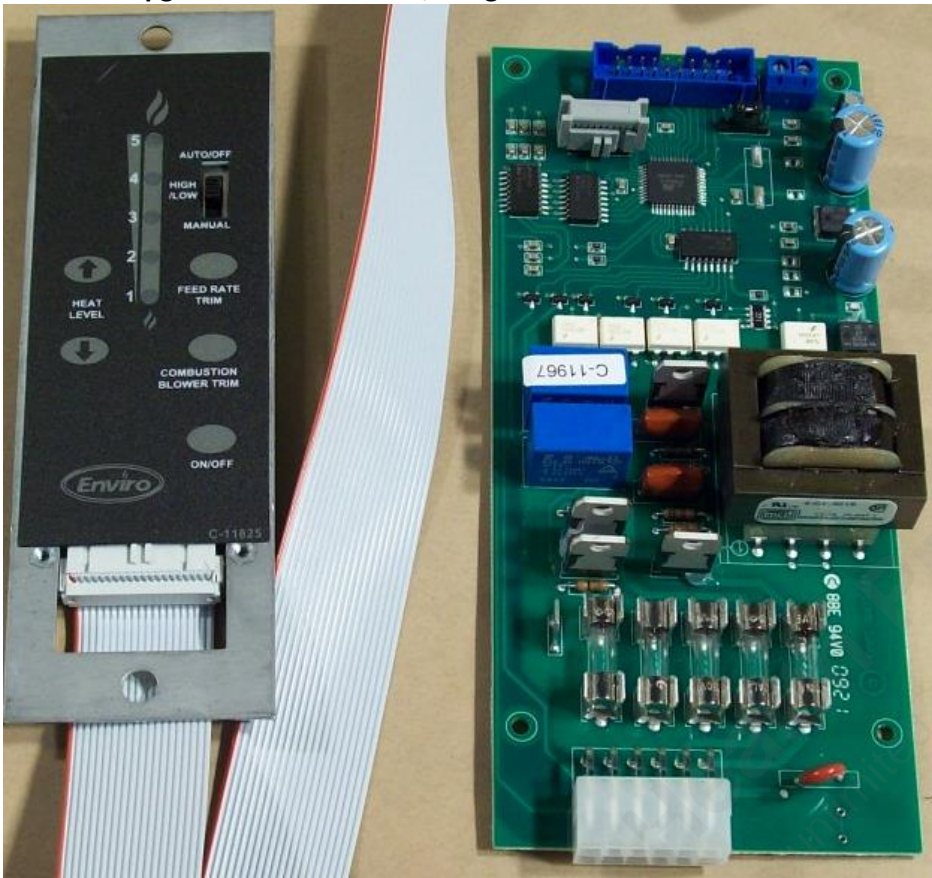


**1<sup>st</sup> GEN EMPRESSFPI/MILAN Daughter Decal 50-1397 / Board 50-1393 (PRE S/N 208161) > Superseded to 2<sup>nd</sup> GEN KIT**



**2<sup>nd</sup> GEN KIT EMPRESSFPI/MILAN Daughter and Mother Board 50-2088**

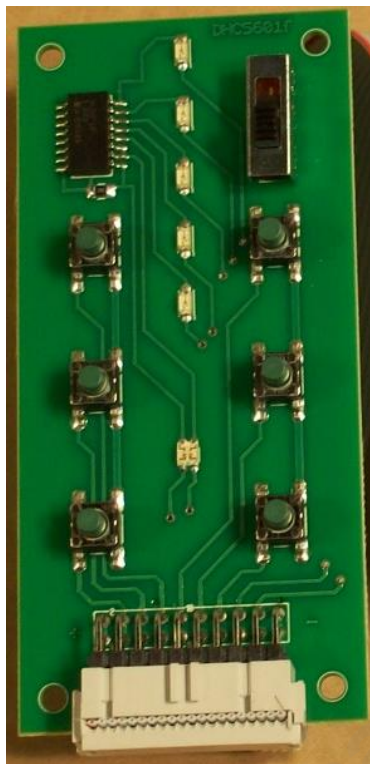
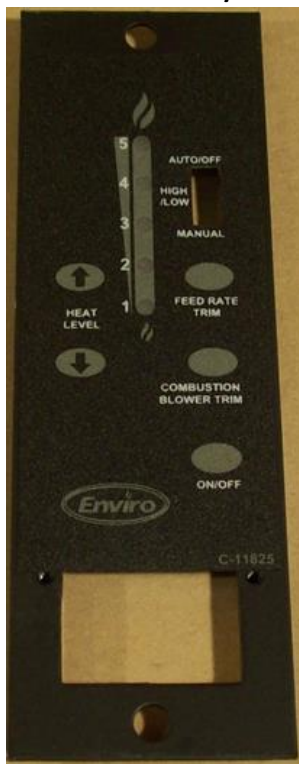
**\*\*Used to upgrade 1<sup>st</sup> GEN Mother/Daughter Board**



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**2<sup>nd</sup> GEN EMPRESSFPI/MILAN Daughter Board Decal 50-2091 / Board 50-2090 (START S/N #208161)**

**\*\*Must be used w/ new Mother Board**



**2<sup>nd</sup> GEN EMPRESSFPI/MILAN Mother Board 50-2089 (START S/N #208161)**

**\*\*Must be used w/ new Daughter Board**



**M55C-FS CAST Control Panel with Decal 50-2108 / Daughter Board 50-2109**



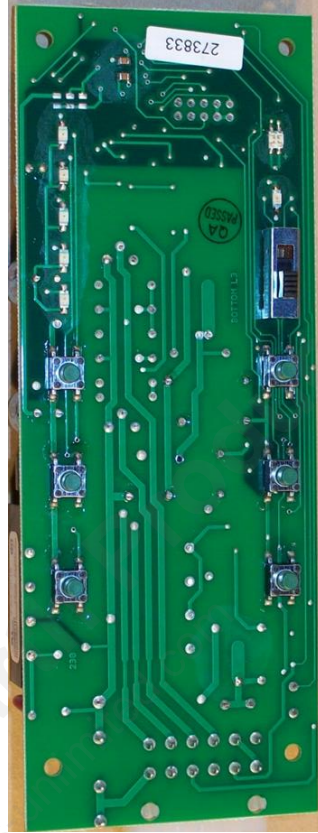
**M55C-FPI CAST Control Panel with Decal 50-2267 / Daughter Board 50-2109**



**M55C-FS/FPI CAST Mother Board 50-2583**



**M55-FS STEEL Circuit Board Panel with Decal 50-2060 / Board 50-2050**



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# C-11652 Circuit Board – Part # 50-1929

## Programs

Not for Omega, Empress/Milan Insert or M55.

Program 1: Same as 3000 circuit board parameter – for all pellet stoves with the exception of units listed with programs #2, 3, 4. – One flash  
 Program 2: Convection fan button disabled – Empress FS – two flashes.  
 Program 3: 60,000 Btu feed rate – Maxx – three flashes  
 Program 4: 50,000 Btu feed rate – Maxx – four flashes  
 Note: To achieve 70,000 Btu, for Maxx only, you need to trim up the feed rate on program 3.

## Program Change Procedure

- Unplug unit
- Disconnect high limit wire
- Make sure unit is cold, or disconnect exhaust temp wire
- Make sure circuit board switch is in the manual position
- Plug unit back in
- Press the room air, feed trim, and combustion trim buttons all at the same time
- All five heat level lights will flash one to four times depending on what program it is set to
- Repeat until you have the desired program – see programs #1-4 above
- The board will hold this program as the default program
- Unplug unit and reconnect sensors
- Plug unit back in and it is ready to use

## Mounting Compatibility

This board can be retro fitted into all recessed control panels simply by mounting the circuit board and updating the decal to 50-1930

- Mini – units built before July 4, 2006 or with a serial number prior to 167254 will require a new side cab, and decal.
- All Maxx, Maxx-A, require a control panel with decal 50-1931.
- Meridian FS/FPI, and EFS only require a decal 50-1930
- Empress FS – not retrofit able

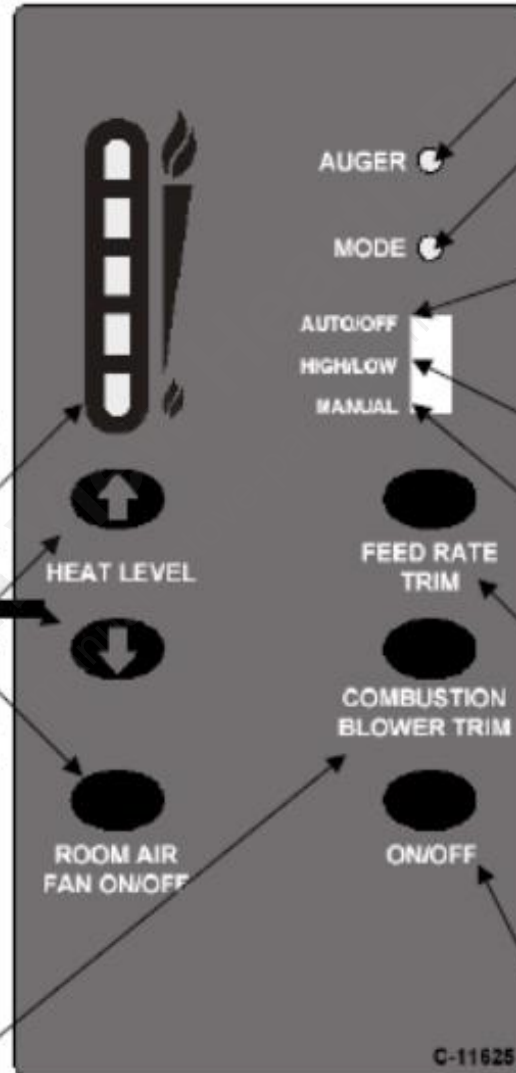
Heat level indicators:

- Bottom – position #1
- Top – position #5

Heat level adjustment up and down

- Convection fan on/off button. This button is inactive on some programs.

- Combustion fan trim changes exhaust voltage incrementally on all heat levels.  
 - When this button is pressed all the lights come on except the one that is the set point. This will indicate what setting it is on before adjustment.  
 - Hold button down and press the up or down arrow to adjust setting.  
 - #2 position is the default setting.  
 - Trim settings are maintained after loss of power.



Green pellet feed light flashes with auger feed pulse.

Amber mode light flashes during start up or when the T-stat is satisfied. When light solid control is returned to the user.

Once thermostat is satisfied unit will run at heat level #1 for 30 min. If there is no further call for heat after 30 min, the unit will shut down until the thermostat calls for heat.

Unit will cycle between set heat level and low as the thermostat calls for heat.

Thermostat not used. Manual control only.

- Feed trim changes 'on' time in 0.25 sec. increments for each feed settings.  
 - 1 setting up and 3 settings down.  
 - When this button is pressed all the lights come on except the one that is the set point. This will indicate what setting it is on before adjustment.  
 - Hold button down and press the up or down arrow to adjust setting.  
 - #4 position is the factory default setting  
 - Trim settings are maintained after loss of power.

Shut down cycle starts when you turn off the unit. If you try to turn the unit off when in T-stat mode and the T-stat is calling for heat the board will go into a start up mode.

## Start Up Cycle Bypass

- For diagnosis purposes only.
- To bypass the 15 min start up in all modes the exhaust temp sensor must be closed/bypassed.
- Now press both the heat level up and down buttons and the room air button at the same time.
- You will now have control of the circuit board.

## Error Flash Codes

- A flashing light in the #2 position indicates a vacuum failure – excluding Maxx.
- A flashing light in the #3 position indicates an exhaust temperature sensor failure.
- A flashing light in the #4 position indicates that the high limit sensor has been tripped.