

Radiant Insert Blower Kit (MV / GSB2)

(Medium & Large - SKU 99000193) (Small, Medium, Large- SKU 99000198)

Compatibility

SKU# 99000193	SKU# 99000198
• Radiant MV Large or Medium Insert • Radiant GSB2 Large or Medium Insert	• Radiant MV Small, Medium & Large Inserts • Radiant GSB2, Small Medium & Large Inserts

Packing List

• Blower Assembly • Rheostat box and cord Assembly • Snap Disk	• Rheostat box mounting bracket • Cable Holder • (4) Screws (#8 x 3/8" - Black)
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Installation

If Using the Optional Remote Kit, Install this blower kit First

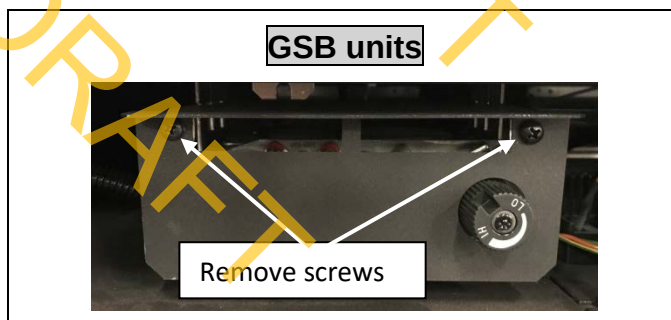
The optional blower should be installed before installing the remote.

WARNING: Do not plug the blower in until it is fully installed and grounded.
Do not connect 110-120 VAC to the gas control valve or wiring system of this appliance.

NOTE: **For Medium and Large units,** Install the blower **AFTER** the insert is in place. The blower is only secured with vibration-damping grommets. The blower will dislodge if the insert is tipped forward.

NOTE: **For Small units,** Install the blower **BEFORE** the insert is in place. The blower is only accessible through the rear access panel (see pictures in step 15).

NOTE: On GSB2 units removing the valve cover plate will provide easier access to the 11/32" nut referenced in the next step. MV units will not require removal of the plate. Remove the cover plate by removing the two screws shown below. Set the screws aside for reinstallation.



For GSB2 units start with step (1) – For MV units skip to step (5)

1. Using an 11/32" wrench to loosen the nut on the left side that holds the Electronic Control Assembly in place (see picture in step 3).
2. Disconnect the power cord Molex connector from the Electronic Controls Assembly.



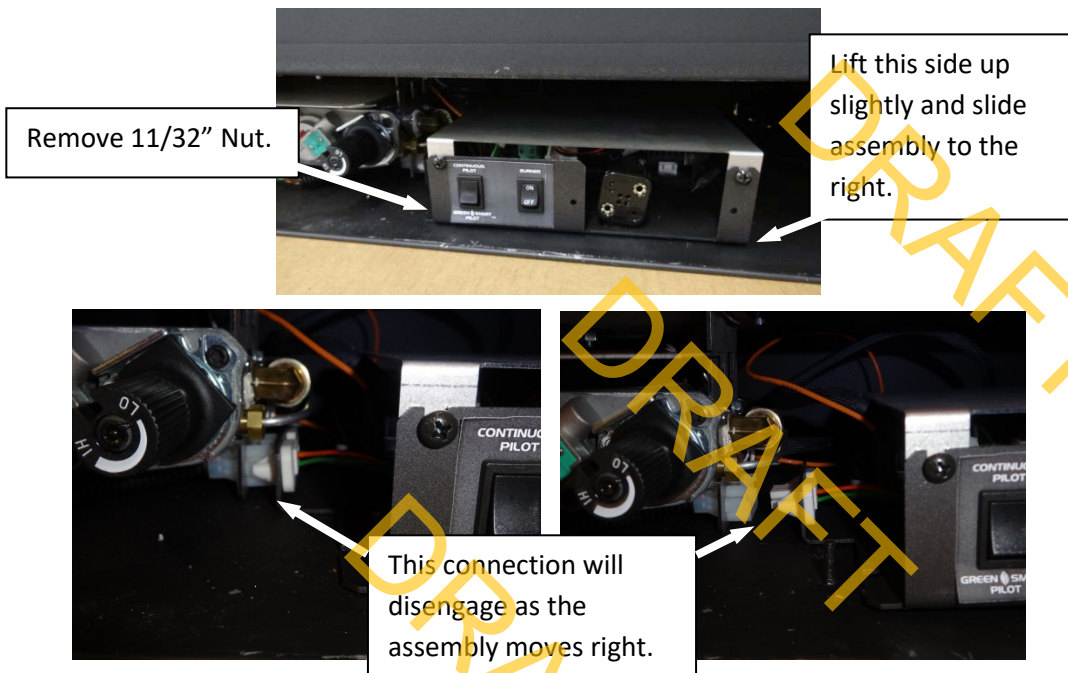


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HOUSE OF FIRE

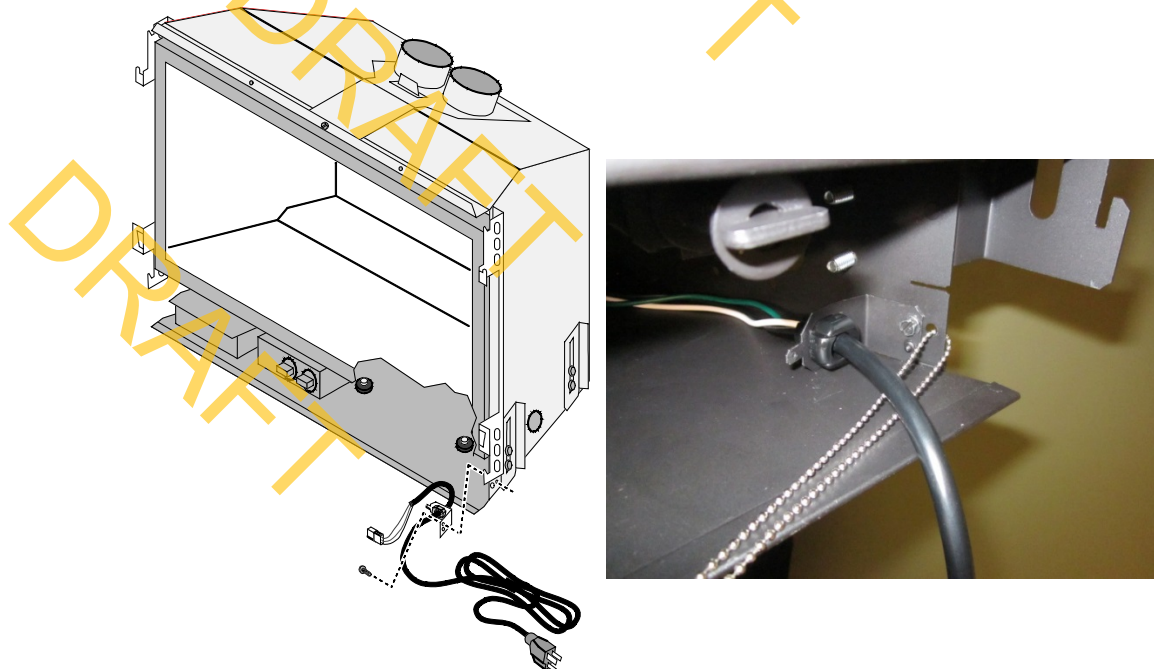
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3. Remove the Electronic Controls Assembly by slightly lifting the right side of the assembly and sliding it to the right to unseat the main connector from the valve. Once assembly is disconnected from the valve slide it out of the appliance. The pilot wires will still be connected and are long enough allow the assembly to be placed out of the way. Make sure not to damage the pilot wires during this process.



4. Remove the power cord and strain relief bracket from the side of the appliance and discard.

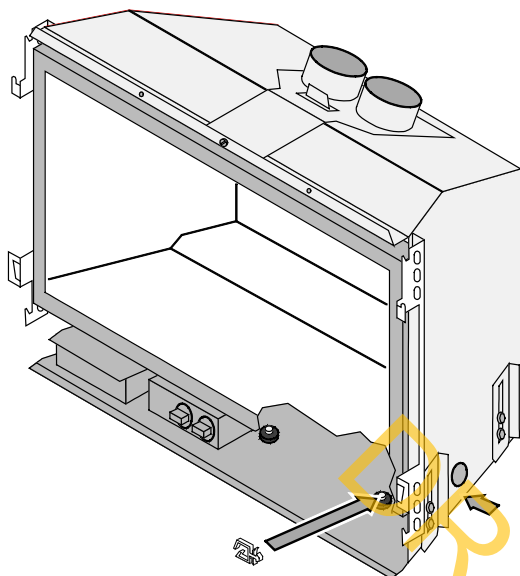


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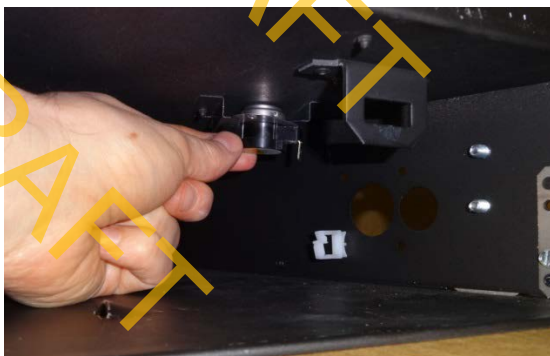
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Both GSB2 and MV unit use step (5)- step (18)

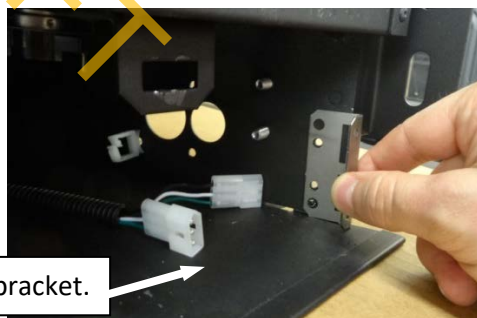
5. Remove glass assembly from the front of unit and set aside for reinstallation.
6. Insert the cable holder into one of the holes on the side wall of the insert as shown below.



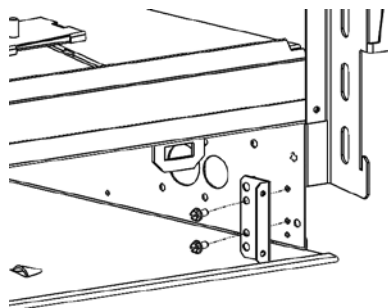
7. Install the included snap disk into the snap disk bracket on the bottom right of the firebox.



8. Attach the rheostat box mounting bracket to the side of the unit using two of the included screws. The bottom hole on the bracket will fit over the pop rivet on the unit.



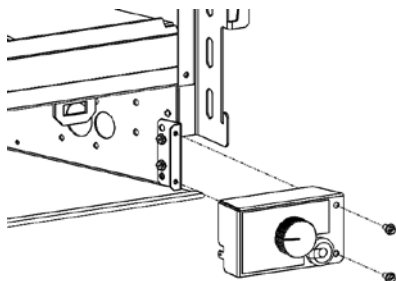
Rivet fits in bottom hole in bracket.



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9. Install the Rheostat Box with power cord onto mounting bracket using the remaining two screws.

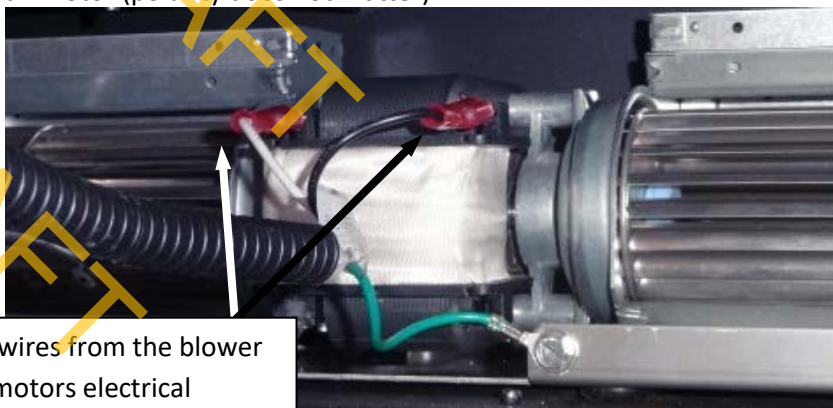


10. Route power wires from the back of the rheostat box through cable holder.



Radiant Medium and Large ***(For Radiant Small, skip to step 15)***

11. Attach the black and white wires on the blower assembly harness, near the blower, to the electrical connections on the fan motor (polarity does not matter).



Attach the two wires from the blower harness to the motors electrical



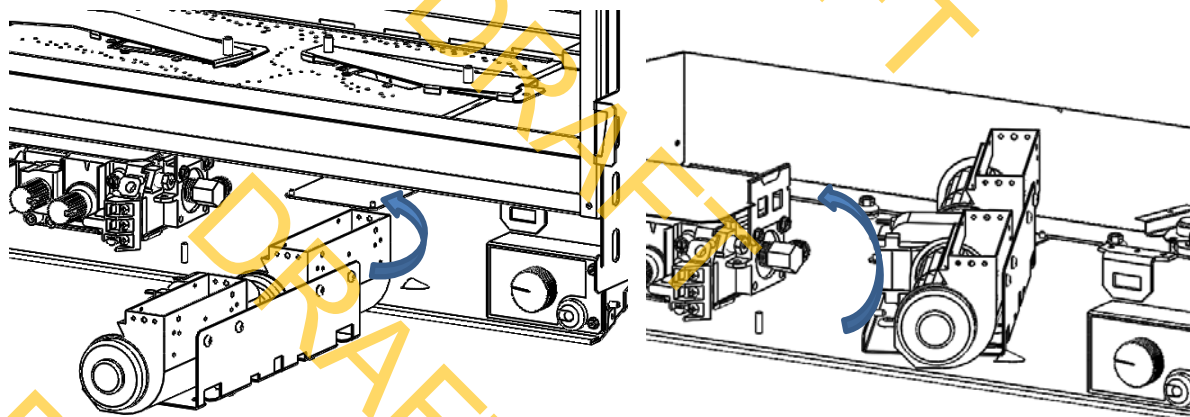
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12. Locate the rubber, vibration-dampening grommets on the base of the appliance. The blower bracket will engage those grommets in the following steps.



13. Install blower assembly by inserting lengthwise under firebox bottom, then turning 90° counter-clockwise so assembly is centered left to right in the appliance (behind valve assembly) with the motor electrical connectors facing out.





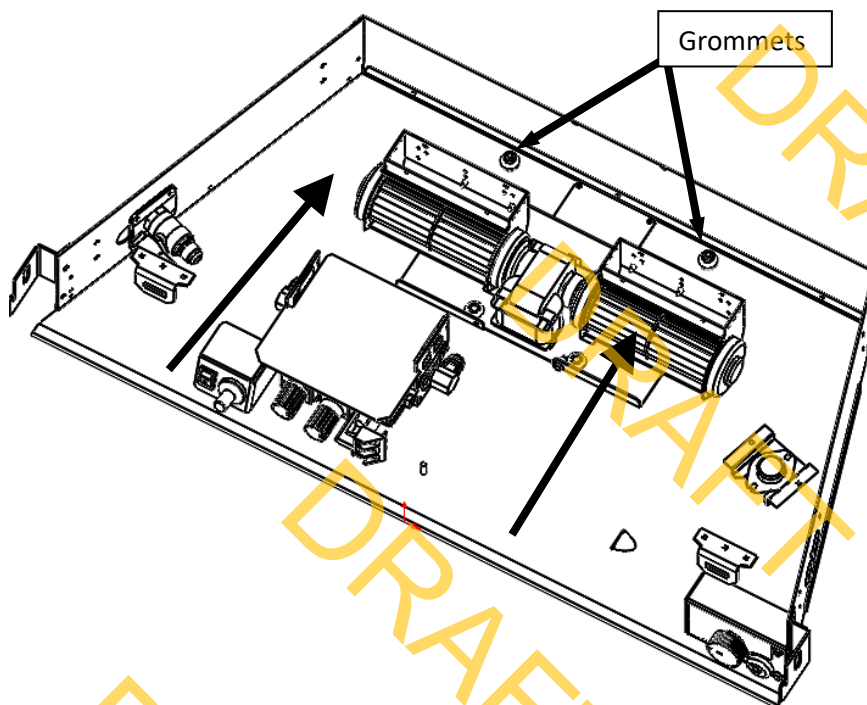
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Radiant Medium and Large Continued

14. Align blower assembly with vibration-damping grommets (shown in step 12) on the base of the appliance. Push the blower assembly backwards to seat the assembly into grommets.



Radiant Small

15. Remove the (10) screws that secure the access panel to the back of the insert and remove the panel (set panel and screws aside for reinstallation).



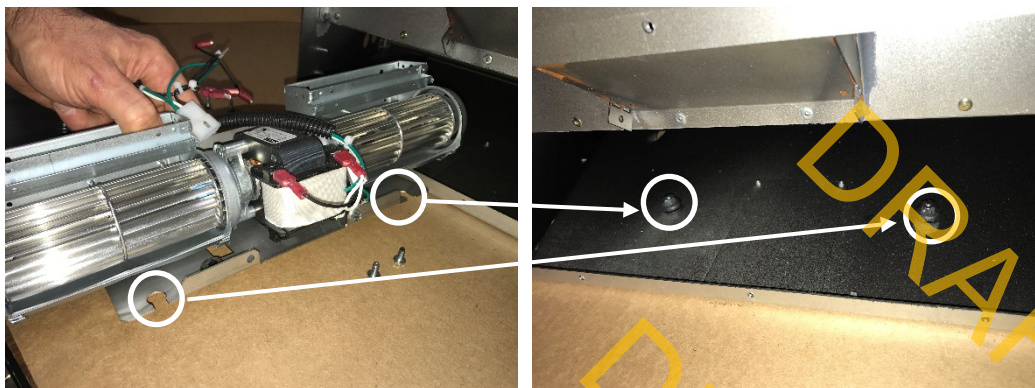


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16. Locate the vibration-damping grommets on the floor of the insert. The mounting brackets have corresponding notches that will engage the grommets (see below).



17. Direct the wire assembly into the cavity under the firebox and guide it toward the front of the insert. Guide the fan assembly into the cavity. Push the assembly forward until the mounting bracket fully engages the grommets



18. Re-install the access panel

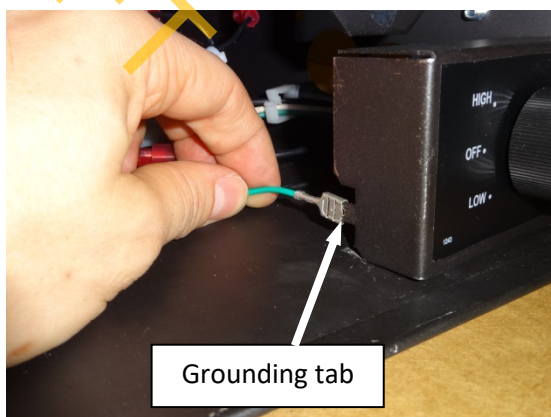
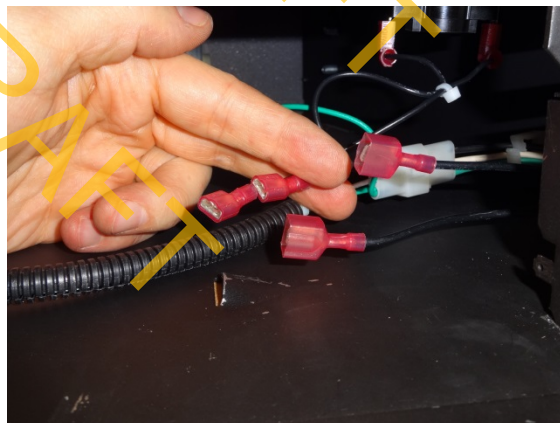
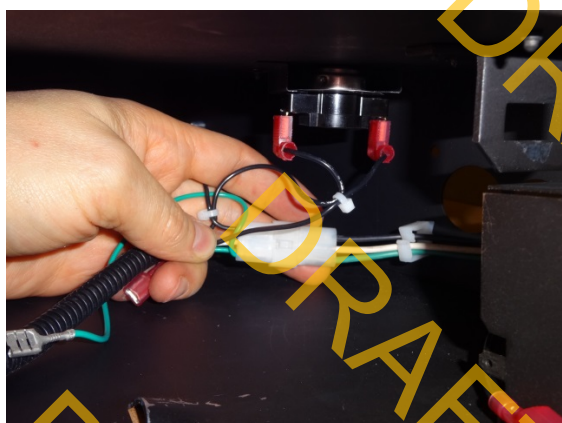
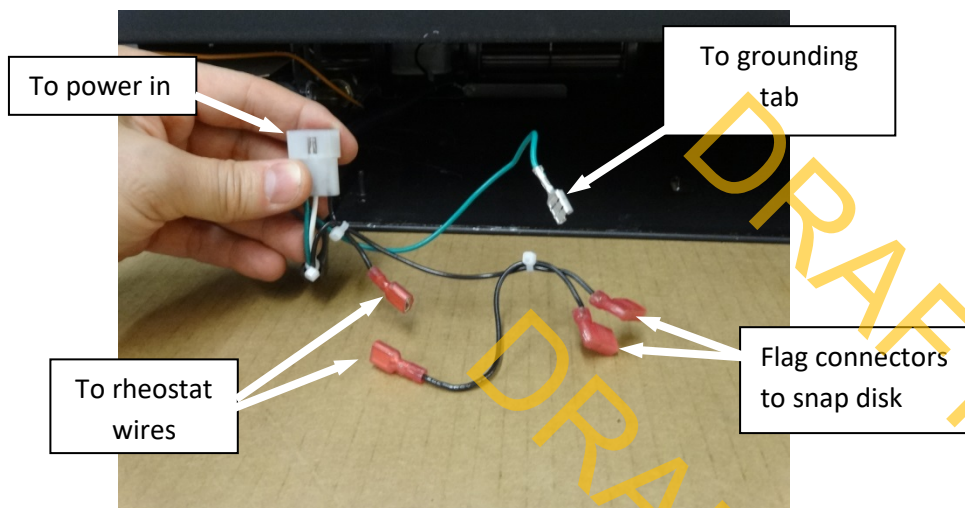


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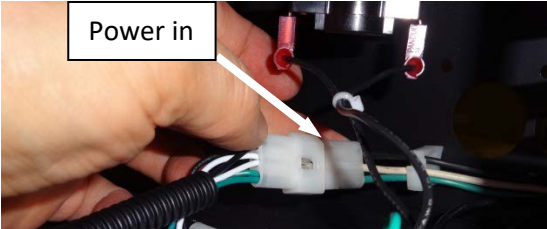
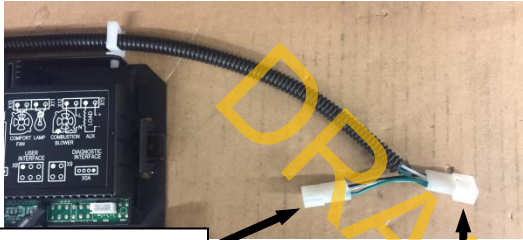
19. Find the end of the wire harness attached to the blower assembly. Attach the right angle flag connectors to the snap disk (Polarity does not matter). The remaining two red connectors attach to the two rheostat wires (polarity does not matter). The green wire attaches to the grounding tab on the left side of the rheostat box.



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20. Connect the blower assembly to power (see below).

MV units	GSB units
	
The Molex on the blower wire harness attaches to the Molex on the rheostat assembly.	Attaches to blower Molex Attaches to rheostat assembly Molex The Molex on the Electrical Controls Assembly attaches to the Molex on the rheostat assembly. There is an additional Molex that comes off of the Electrical Controls Assembly that will attach the Molex on the blower wire harness.

21. **Verify no wires are touching firebox bottom, adjust if necessary.**

22. Re-install the Glass Assembly.

For MV units skip to step (24)

23. **GS units only!** Re-install the Electronic Controls Assembly into the unit. Make sure the main connector fully engages with the connector from the valve.
24. Plug blower in and burn the appliance to verify operation. The blower will turn on after the appliance reaches operating temperature, typically 5 to 10 minutes after startup on high.