



ProBuilder Linear Light Kit (MV / GSB2)

94400125 (42 and 54 ProBuilder Linear)

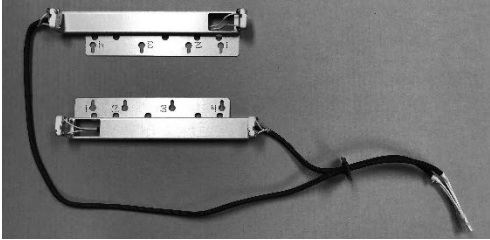
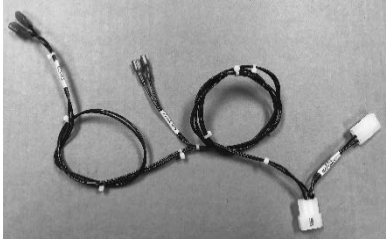
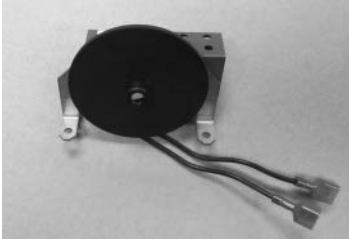
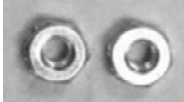
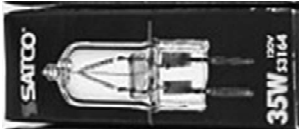
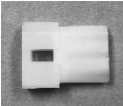
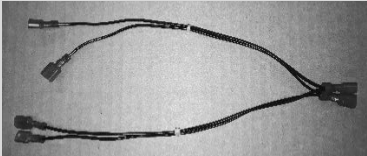
94400129 (72 ProBuilder Linear)

Compatibility

- ProBuilder 42 Linear MV (SN 3220-000507 or greater)
- ProBuilder 42 Linear GSB2 (SN 3217-000688 or greater)
- ProBuilder 54 Linear MV & GSB2 (All SN's)
- ProBuilder 72 Linear MV (SN 3222-000119 or greater)
- ProBuilder 72 Linear GSB2 (SN 3219-000222 or greater)

NOTE: Older 42 and 72 fireplaces may be converted to use the light kit. To convert the fireplace, install the retrofit kit (SKU 250-04742) and the appropriate light kit.

Packing List

<ul style="list-style-type: none"> • Light Assembly with Wire Leads & Cover Plate 	<ul style="list-style-type: none"> • Power Harness 
<ul style="list-style-type: none"> • Rheostat Assembly 	<ul style="list-style-type: none"> • (2) 8-32 KEPS nuts (use 11/32" nut driver) 
<ul style="list-style-type: none"> • (4) or (6) Halogen Bulbs 	<ul style="list-style-type: none"> • Molex Dummy Plug (used only on MV appliances without a blower) 
<ul style="list-style-type: none"> • Power Splitter Harness (Used in 72 PB ONLY) 	



Installation Notes

Front Cover Removal is Recommended, But Not Required

The light kit is best installed with the front cover removed. If the fireplace is installed and faced over, the front cover cannot be removed. The pictures below show the fireplace with the front cover removed.

Install The Blower First

The blower is installed at the back of the fireplace. We recommend installing it first so its installation does not interfere with the light wiring.

WARNING: Disable power to the fireplace while installing the lights (disable the service breaker). Do not activate power to the fireplace until the light kit is fully installed and grounded.
Do not connect 110-120 VAC to the gas control valve or wiring system of this appliance.

Installation

1. Disable power to the fireplace (turn the service breaker off).
2. Remove the screen and glass frame (see manual for details).
3. Remove the front panel (if not faced over). It is removed by loosening the two wing nuts and (1) ¼" screw on each side of the panel that hold it in place (see fireplace manual for details.) Set the panel aside.
4. Remove the burner skirt (see manual for details).



5. Remove the media tray (see manual for details).





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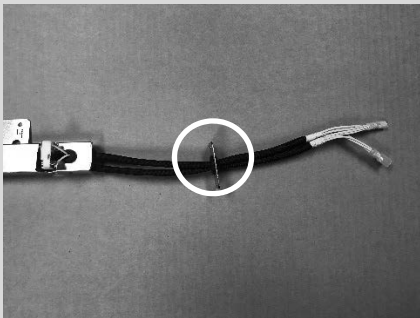
6. Remove the burner(s) (see manual for details).



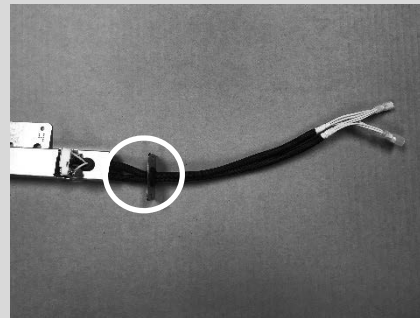
42 and 54 Linear Only – ALIGN THE PASS-THROUGH PLATE AS SHOWN BELOW

Slide the pass-through plate (with grommet) on the light harness so it is 2" from the right light assembly (see pictures below).

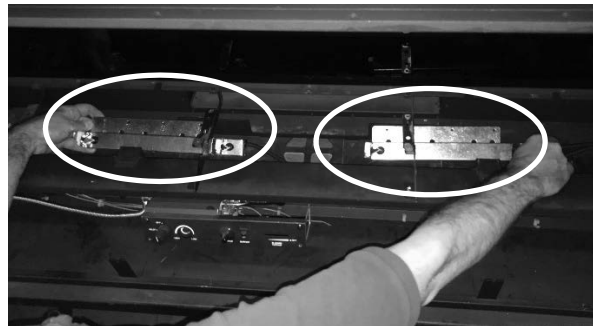
42 PB –6" from light assembly



54 PB – 2" from the light assembly



7. The light assembly is installed into the fireplace with the pass-through plate on the right. Place the assembly on the firebox floor, under the burner supports, near its final location (see photo below).



8. You will need to locate the single screw that will hold each light assembly in place. Refer to the illustrations below (for each model) to locate the appropriate screw. Loosen these two screws 4 or 5 turns.

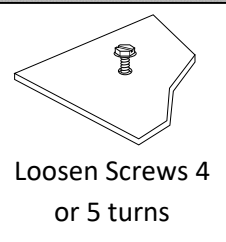
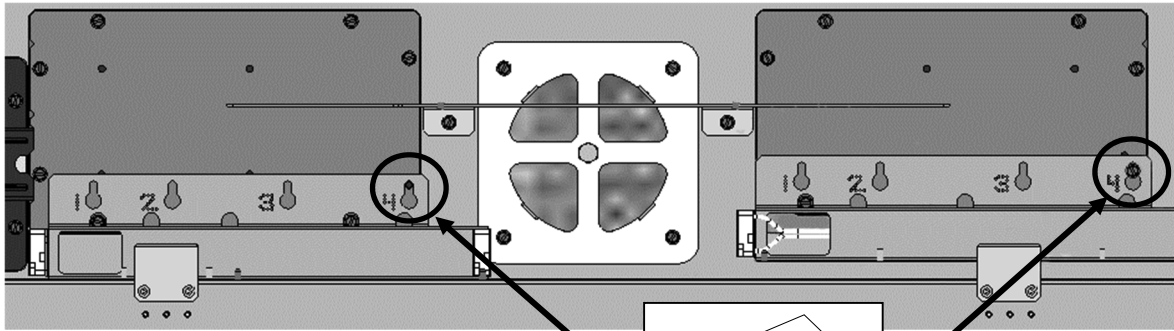


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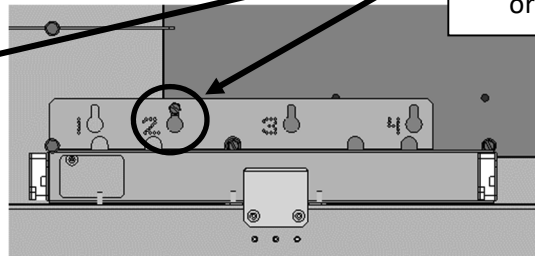
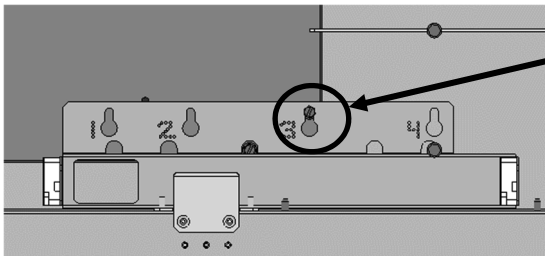
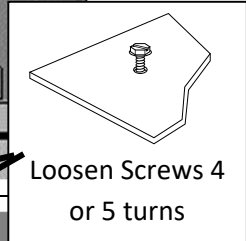
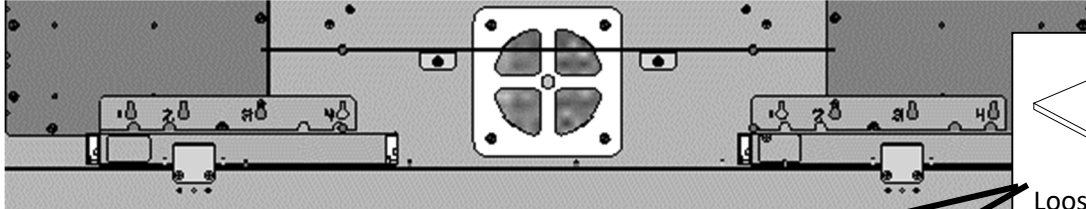
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Light Assembly – as installed in 42.



Light Assembly – as installed in 54

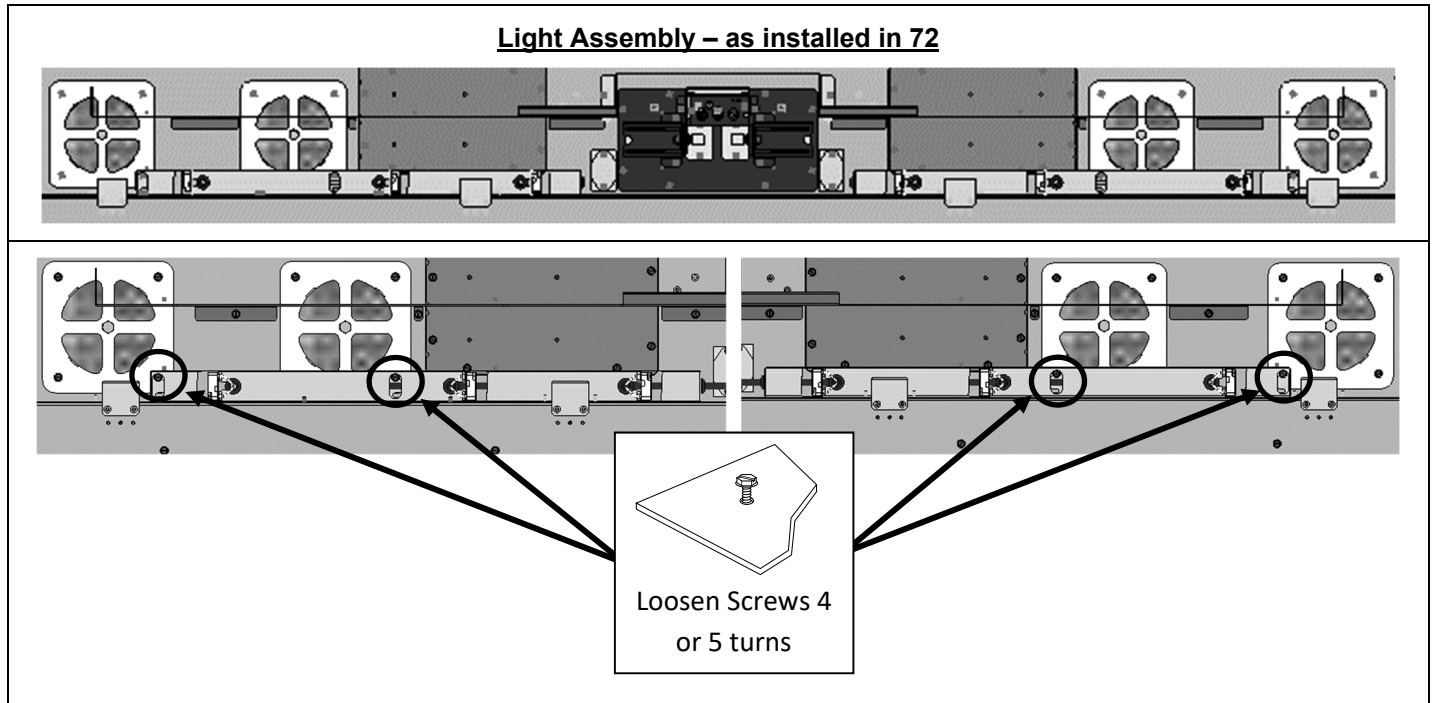




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- Slide the left light assembly into place and tighten the screw(s) to secure.
NOTE: Make sure the wiring fits through the channel on the assembly and is not pinched.





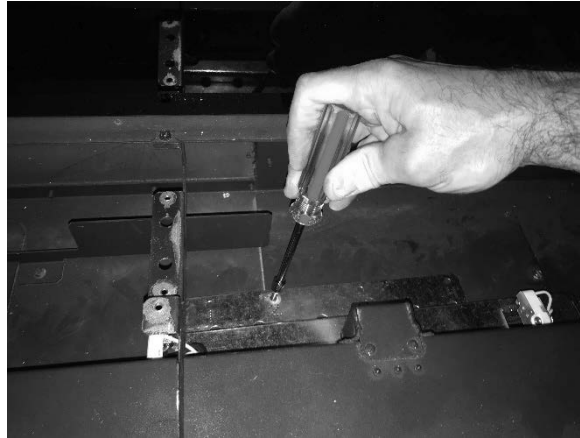
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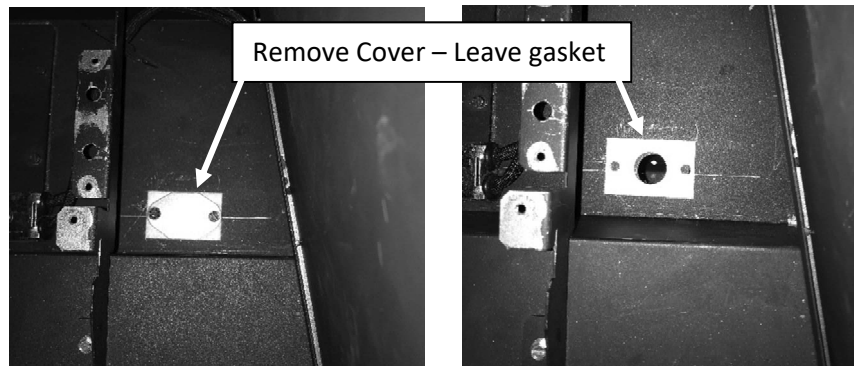
10. Slide the right light assembly into place and tighten the screw(s) to secure.

NOTE: Make sure to remove any slack from the wiring before securing the assembly. Make sure the wiring fits through the channel on the assembly and is not pinched.

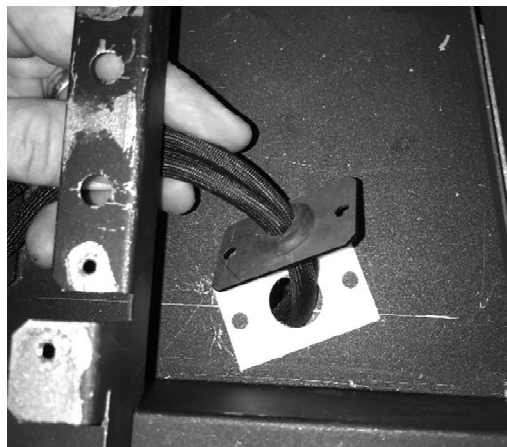


11. Remove the cover plate on the firebox floor to the right of the light assembly. Keep the gasket and the screws.

NOTE: The 72 has two cover plates near the center.



12. Feed the wire leads from the light assembly through the gasket then through the opening exposed in the previous step. Secure the pass-through plate to the firebox floor with the screws removed earlier. Once installed, remove all excess wiring inside the firebox by pulling the wires from below.





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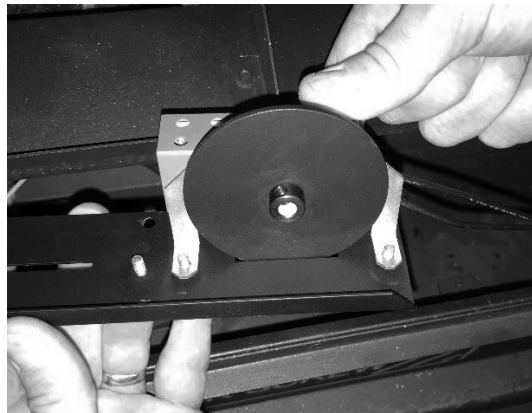
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13. Remove the dashboard from the fireplace (4 screws hold it in place).



14. Place the rheostat assembly onto the studs on the right side of the dashboard and secure using the 2 nuts.
NOTE: The bracket on the rheostat must face upwards so the control wheel fits through the slot on the dashboard (see pictures below).
NOTE: If using the retrofit kit, install the rheostat into the retrofit bracket.



15. Reinstall the dashboard onto the fireplace. Make sure that the wires from the rheostat are accessible (see picture below).



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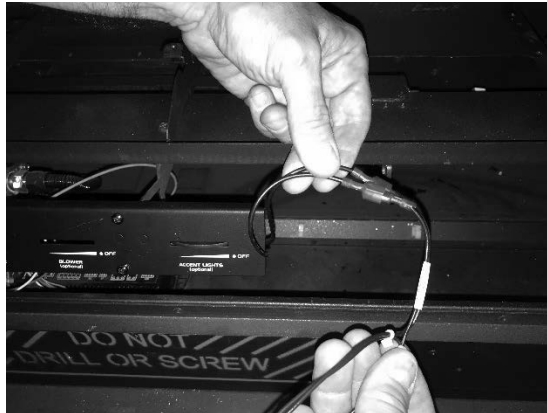
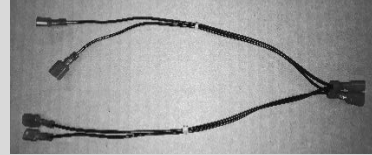
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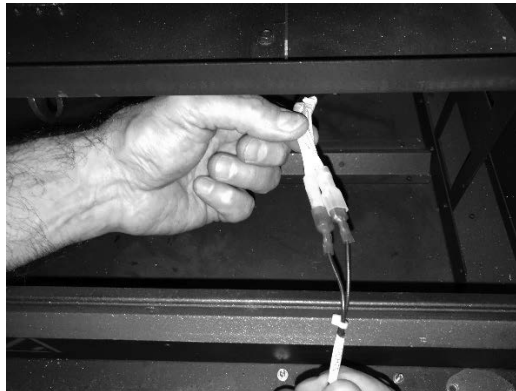
16. Uncoil the power harness included with this kit. Attach the two quick-connects labeled "RHEOSTAT" to the rheostat wires (polarity does not matter).

72 ProBuilder – Use Included Splitter

On the 72 ProBuilder attach the splitter to the wiring harness, then route a pair of wires to each light assembly



17. Attach the two quick-connects labeled "LIGHTS" on the power harness to the wire leads from the light assembly (polarity does not matter).





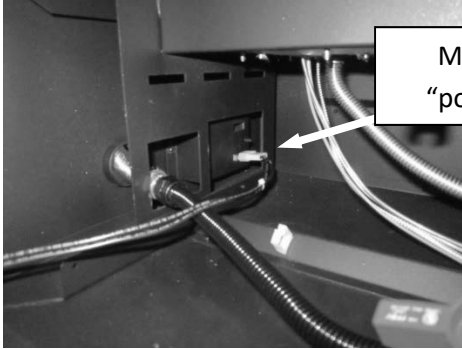
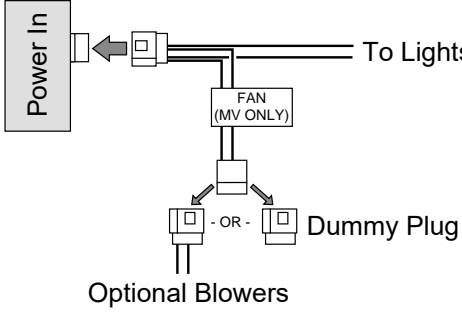

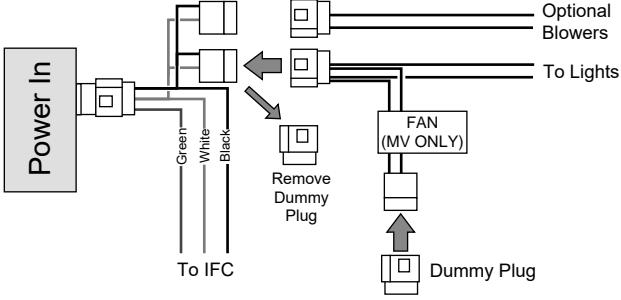
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18. Attach the molex connector from the power harness to the power-in harness on the fireplace (see below):



MV UNIT	<p>Locate the power in inside the fireplace (typically left side).</p> <p><u>UNITS WITH BLOWER</u></p> <p>Disconnect the blower power molex connector. Attach the two molex connectors on the power harness to the power in on the fireplace and the blower power.</p> <p><u>UNITS WITHOUT BLOWER</u></p> <p>Attach the power in harness to the "power in" connection on the fireplace. Attach the Molex Dummy Plug to the other molex connection labeled "FAN MV ONLY" (this prevents the molex connector from arcing on grounded surfaces).</p>	 
GSB2 UNIT	<p>Locate the power in splitter installed inside the fireplace (typically left side). Find the connector labeled "LIGHTS" and remove the Molex Dummy Plug (see pictures to the right). Connect the molex on the power harness to this molex connector.</p> <p>Attach the Molex Dummy Plug to the other molex connection labeled "FAN MV ONLY" (this prevents the molex connector from arcing on grounded surfaces).</p>	 

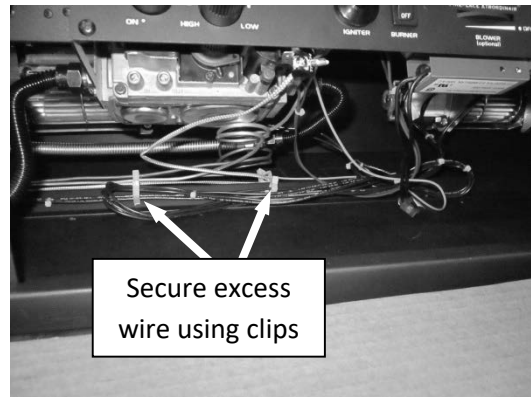
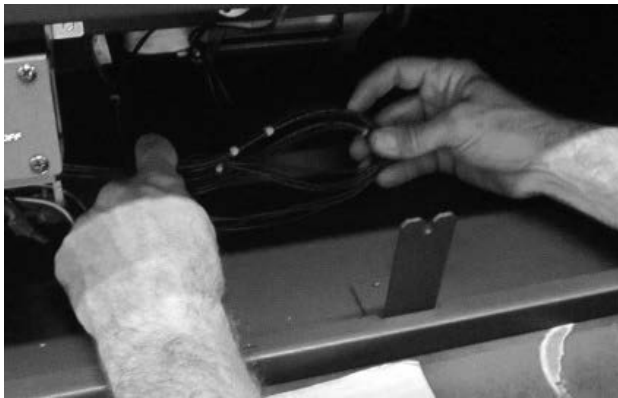
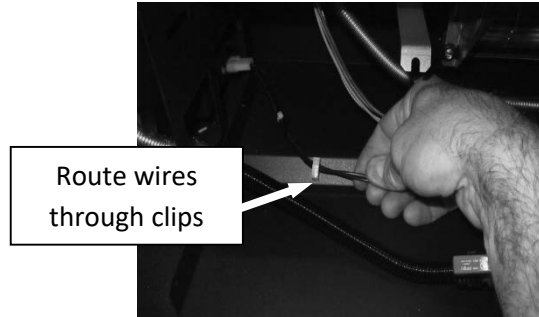


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19. Route the wire harness through the plastic retainer clips on the floor of the fireplace. (see pictures below). The wire harness may be coiled and placed into the retainer clips to organize the wiring.



20. Restore the fireplace to the correct configuration and activate power to the fireplace.