

## WSK-MLT-GLX MODELS: 6000GLX, ESC42-ST Installation Instructions

### ⚠ WARNING



#### HOT SURFACES!

Glass and other surfaces are hot during operation AND cool down.

#### Hot glass will cause burns.

- **DO NOT** touch glass until it is cooled
- **NEVER** allow children to touch glass
- Keep children away

- **CAREFULLY SUPERVISE** children in same room as fireplace.
- Alert children and adults to hazards of high temperatures.

**High temperatures may ignite clothing or other flammable materials.**

- Keep clothing, furniture, draperies and other flammable materials away.

*This appliance has been supplied with an integral barrier to prevent direct contact with the fixed glass panel. DO NOT operate the appliance with the barrier removed.*

Contact your dealer or Hearth & Home Technologies if the barrier is not present or help is needed to properly install one.

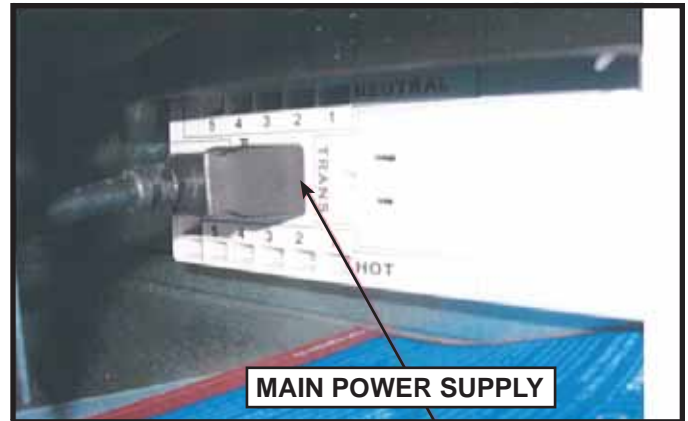


Figure 1.

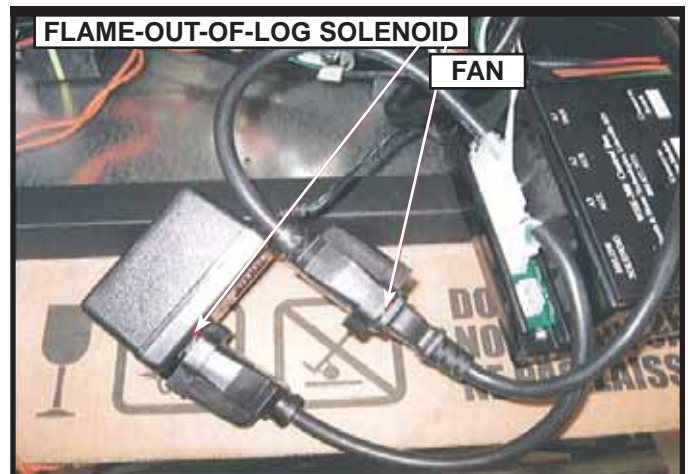


Figure 2.

**CAUTION! Sharp Edges!** Wear protective gloves and safety glasses during installation.

**CAUTION! Do not install damaged components.**

### KIT CONTENTS

- WSK-MLT Kit
- Male Plug Assembly
- Split Wire Harness

### INSTALLATION

1. Remove decorative front from appliance.
2. Disconnect main power supply. See Figure 1.
3. Disconnect Flame-Out-Of-Log solenoid on 6000GLX models only. See Figure 2.
4. Disconnect Fan. See Figure 2.



Figure 3.

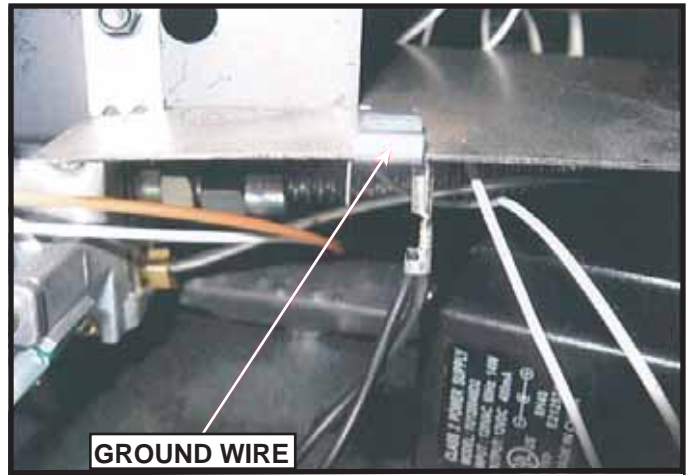


Figure 5.

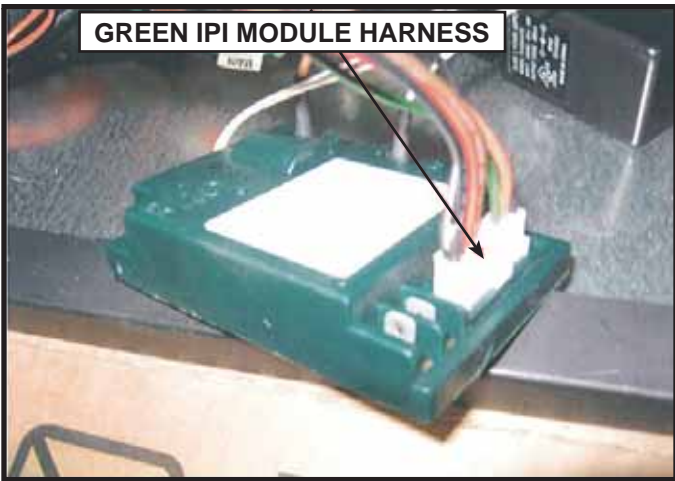


Figure 4.

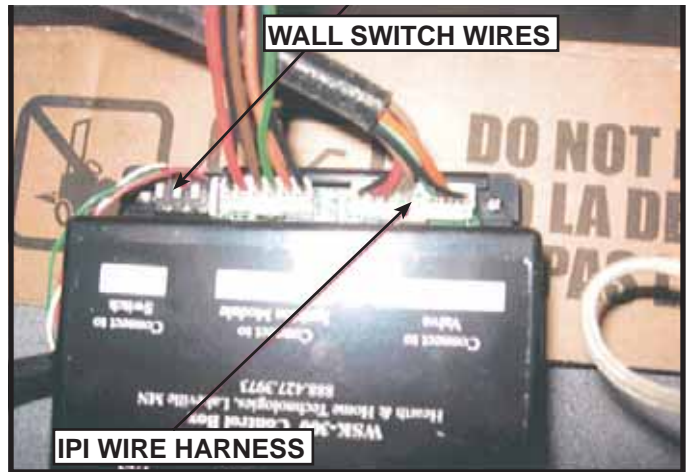


Figure 6.

- 5. Disconnect lights as shown in Figure 3.
- 6. Disconnect green IPI module harness. See Figure 4.

- 7. Disconnect ground wire for the WSK-300 and wall switch wires. See Figure 5.
- 8. Disconnect the IPI wire harness. See Figure 6.

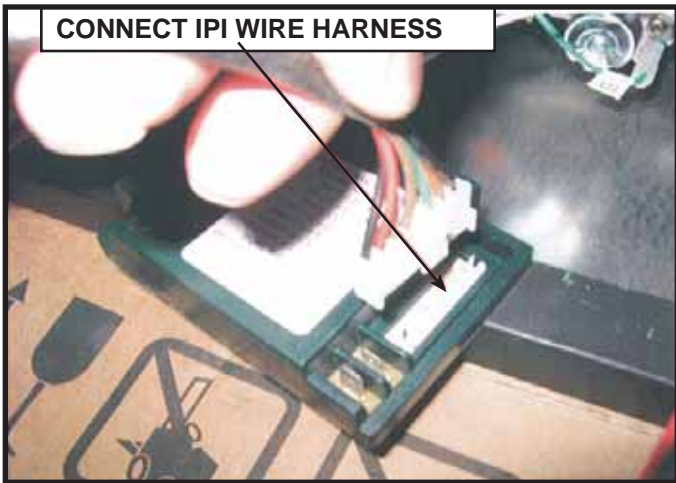


Figure 7.

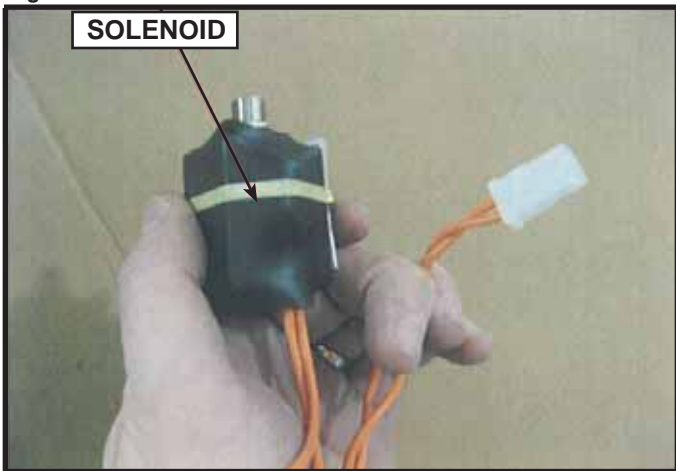


Figure 8.



Figure 9.

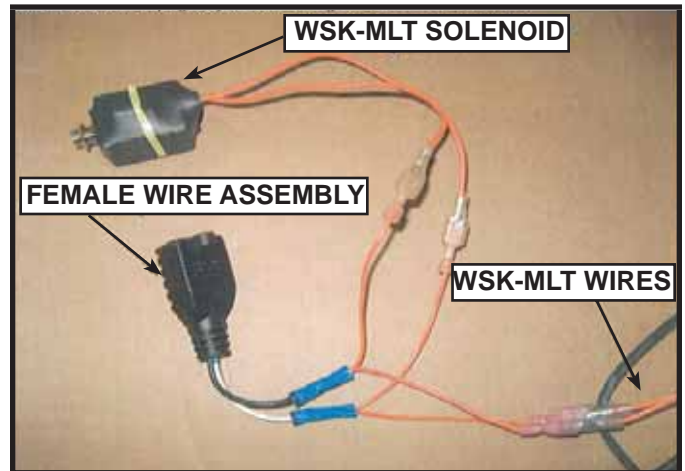


Figure 10.

9. Connect IPI wire harness to IPI module. See Figure 7.
10. Remove the WSK-300 solenoid. See Figure 8.

11. Attach male plug assembly, included in kit, to lights and connect to AUX on WSK-MLT module as shown in Figure 9.
12. Connect WSK-MLT solenoid to split wire harness. See Figure 10.
13. Connect orange wires of WSK-MLT to split wire harness. See Figure 10.

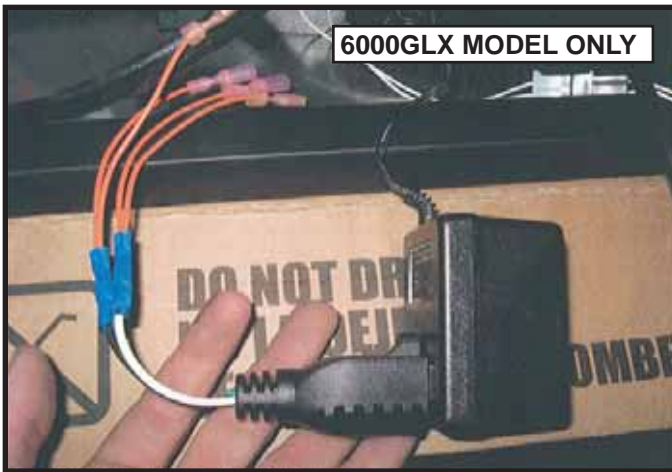


Figure 11.

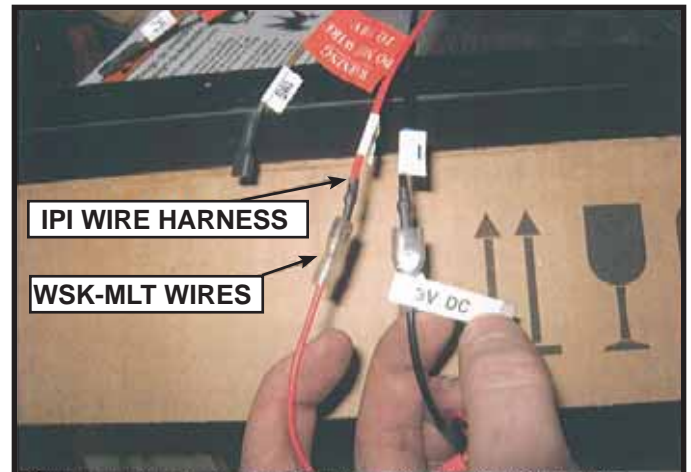


Figure 13.

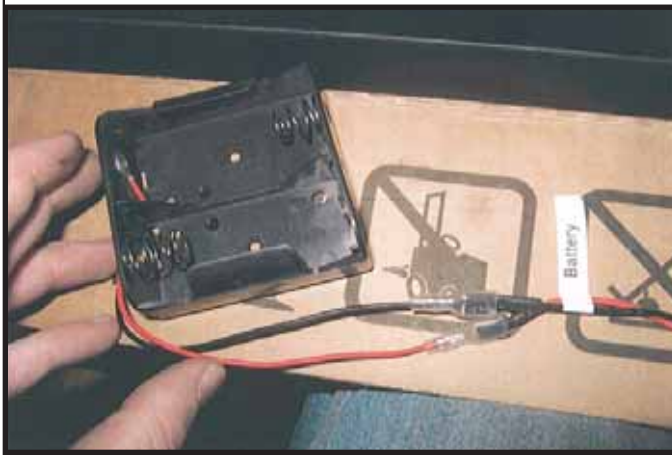


Figure 12.



Figure 14.

14. Connect the female connector to the Flame-Out -Of-Log transformer as shown in Figure 11.
15. Connect the battery pack to the black/red WSK-MLT wires labelled "Battery." See Figure 12.

16. Connect the black/red wires from the IPI wire harness to the black/red WSK-MLT wires. See Figure 13.
17. Connect the red/green/white wall switch wire to the WSK-MLT. See Figure 14.

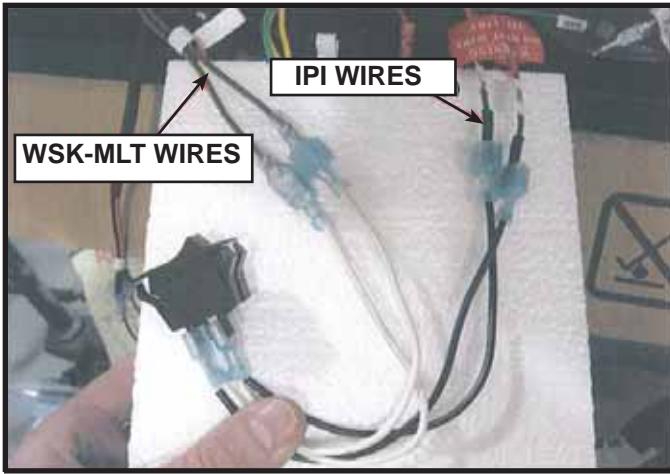


Figure 15.

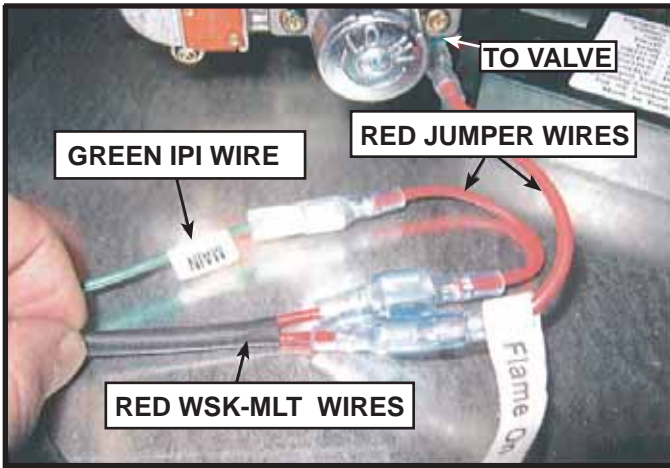


Figure 16.

18. Connect the rocker switch that is included with the WSK-MLT to the two brown wires from the WSK-MLT and the two brown wires from the IPI wire harness. See Figure 15.
19. Connect the green wire from the IPI harness to the red WSK-MLT wire. Connect the red WSK-MLT wire to the valve. Use the two jumper wires included with the WSK-MLT.

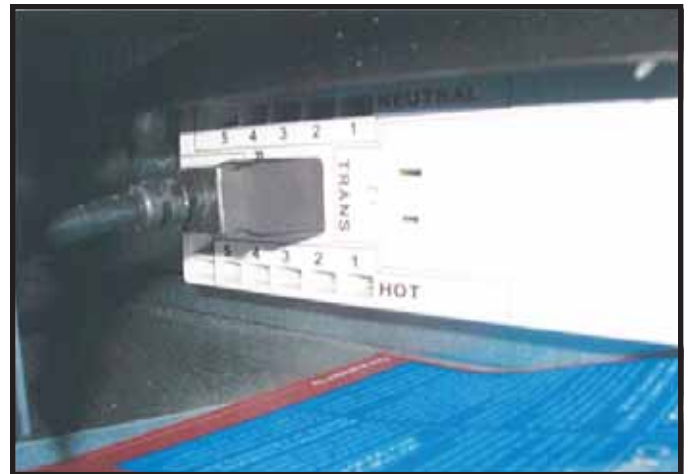


Figure 17.

20. Plug the fan into the WSK-MLT.
21. Plug the WSK-MLT into the junction box. See Figure 17.
22. Set pressures when installing the new solenoid. Instructions follow on next page.

## Installing the Hi/Lo Solenoid

To be done by a qualified service technician.

1. Install the solenoid See Figure 18.
2. Remove screw and knob from variable regulator and discard. Unscrew nut from regulator and discard.
3. Remove the bag containing a washer and blue and red plungers from the side of the flame control solenoid. Place washer on flame control solenoid.
4. Insert correct plunger (blue - natural gas, red - propane) into the flame control solenoid. Thread the flame control solenoid with correct plunger into the thread hole in the variable regulator. Turn solenoid into valve approximately two full turns. Do not tighten or damage may occur.
5. Connect two pin moxex connector from the flame control solenoid to the first two pin moxex plug on the control box, as noted on the control module label. Continue with Setting Flame Height/Manifold Pressure instructions.

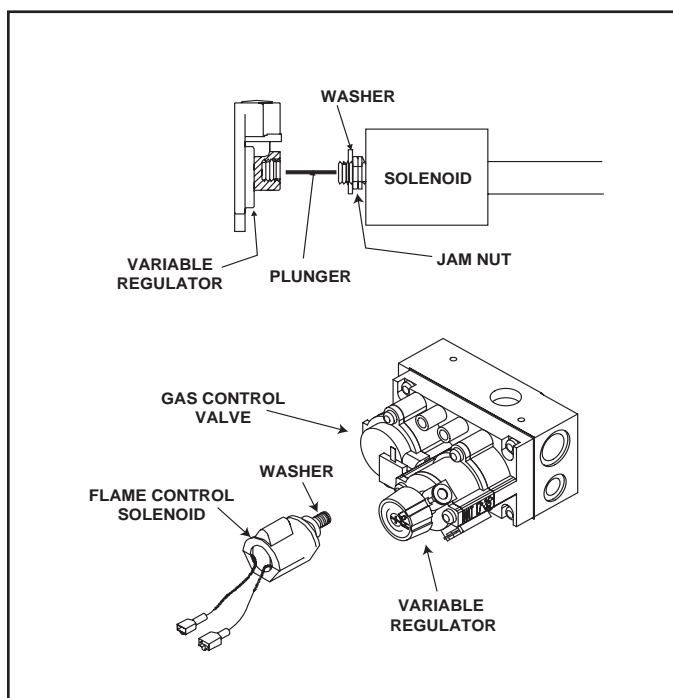



Figure 18.

## Setting Flame Height / Manifold Pressure

To be done by a qualified service technician.

<b>⚠ WARNING</b>	
	Explosion risk
	• Incorrect adjustment of solenoid may cause delayed ignition.
	Fire risk
	• Incorrect adjustment of solenoid may cause a fire.

**Note:** A manometer **MUST** be used to set the manifold pressure on the gas valve.

Upon initial power-up of this device, valve pressure must be set for flame adjustment.

1. Loosen output pressure tap on valve and connect with pressure manometer.
2. Press mode button to "ON"; fireplace will light with flames on high.
3. Turn solenoid clockwise to increase pressure, counterclockwise to decrease pressure until manifold pressure on high is 3.5 inch water column for natural gas (NG), 10.0 inch water column for propane (LP).
4. Once pressure is achieved spin jam-nut on solenoid stem tight against regulator face to prevent rotation. While holding solenoid, tighten jam nut with 1/2" wrench. This will ensure that the solenoid remains locked in the proper position.
5. Press mode button to turn fireplace off.
6. Remove manometer tube and tighten or close pressure tap. Use a commercially available, non-corrosive leak check solution to carefully check the pressure tap for leaks.

Please contact your Heat & Glo dealer with any questions or concerns.

For the location of your nearest Heat & Glo dealer, please visit [www.heatnglo.com](http://www.heatnglo.com).

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