

UTEC 624640 Board Replacement with Channel 1046395

INSTALLATION INSTRUCTIONS

⚠ WARNING

ELECTRICAL SHOCK, FIRE OR EXPLOSION HAZARD

Failure to follow safety warnings exactly could result in serious injury, death or property damage.

Improper servicing could result in dangerous operation, serious injury, death or property damage.

- Before servicing, disconnect all electrical power to Appliance both poles.
- When servicing controls, label all wires prior to disconnecting. Reconnect wires correctly.
- Verify proper operation after servicing.

DO NOT DESTROY. PLEASE READ CAREFULLY & KEEP IN A SAFE PLACE FOR FUTURE REFERENCE.

Kit contents:

1. Channel Board- 1046395
2. Flame Sensor- 632484
3. Flame Sensor Bracket
4. Fastener for the Flame Sensor Bracket
5. Wire – Attaches to the Flame Sensor
6. Wire- Inserted into Pin #7 on the 9 pin plug

Installation of the new board and flame sensor:

The new board is a direct replacement, all the plugs and terminals needed are the same.

1. Disconnect all the power to the unit and turn off the gas supply to the unit.
2. Remove the main door.
3. Remove the control box cover.
4. Disconnect the 2 plugs, thermostat wires, and all quick connect terminals.
5. Remove the board and replace with the new one. The existing standoffs can be removed. Standoffs are included on the new board. (Figure 1)

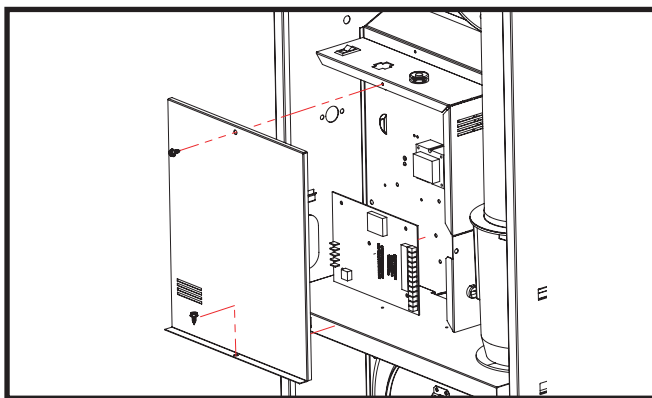


Figure 1. MG1E Control Board Removal

ATTENTION INSTALLERS:
It is your responsibility to know this product better than your customer. This includes being able to install the product according to strict safety guidelines and instructing the customer on how to operate and maintain the equipment for the life of the product. Safety should always be the deciding factor when installing this product and using common sense plays an important role as well. Pay attention to all safety warnings and any other special notes highlighted in the manual. Improper installation of the Appliance or failure to follow safety warnings could result in serious injury, death, or property damage.

These instructions are primarily intended to assist qualified individuals experienced in the proper installation of this appliance. Some local codes require licensed installation/service personnel for this type of equipment. Please read all instructions carefully before starting the installation. Return these instructions to the customer's package for future reference.

This installation instructions is for replacing UTEC 624640 with Channel 1046395 and adding a flame sensor to the MG1E burner. The existing control board 624640 does not have flame sense capabilities where the 1046395 has the added flame sense capability. The new control board provided in this kit will not work correctly without the flame sensor added to the burner assembly and wired properly.

6. Locate the red wire included in the kit. Insert into location 7 per Figure 2.
7. Replace the 2 plugs and wire per the included wiring diagram.

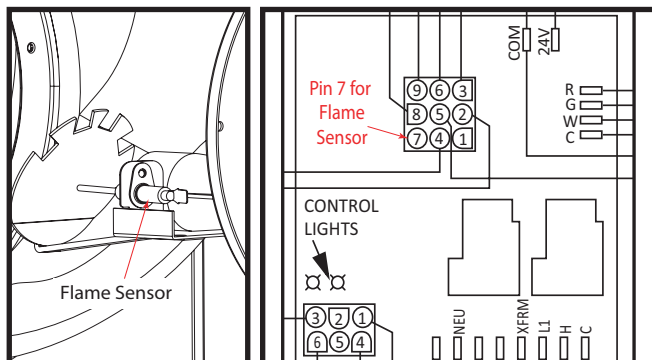


Figure 2. Flame Sensor Wiring for UTEC Board

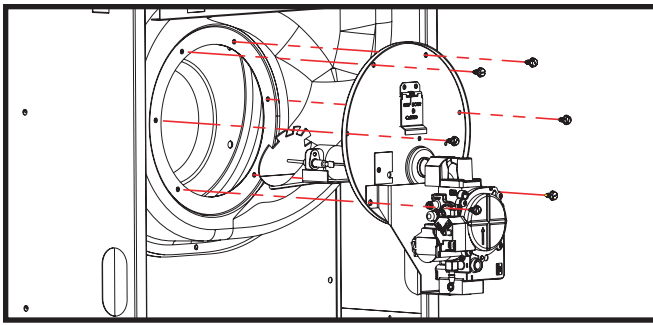


Figure 3. MG1E Burner Assembly Removal

8. Disconnect the gas line.
9. Remove the burner assembly. [Figure 3.](#)

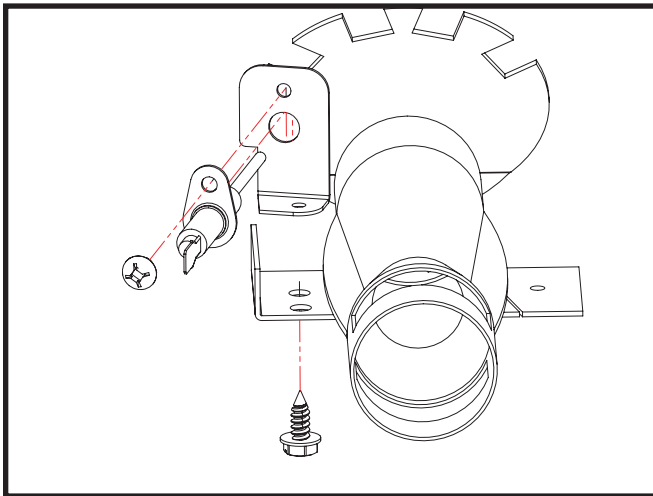


Figure 4. Flame Sensor Assembly

10. Attach the flame sensor bracket and flame sensor per [Figure 4.](#)
11. Locate the red wire with the quick connect attach to the flame sensor, routing the same as the igniter wire.
12. Reinstall the burner assembly and attach the #7 pin wire to the high temperature wire connected to the flame sensor.
13. Connect the gas line and power back to the unit.
14. Cycle the unit to verify functions properly.

