

REMOTE WALL SWITCH INSTALLATION

REMOTE WALL MOUNTED SWITCH

A remote wall switch and up to fifteen (15) feet of 18 Ga. wire may be used with this appliance. Attach the wall switch in a junction box at the desired location on the wall. *Figure 37*. Do not extend beyond the wall switch wire length provided.

NOTE: Extended lengths of wire may cause the fireplace not to function properly. Longer length of wire is permitted if the wire is made out of larger gauge (diameter) wire. Always check with local code.

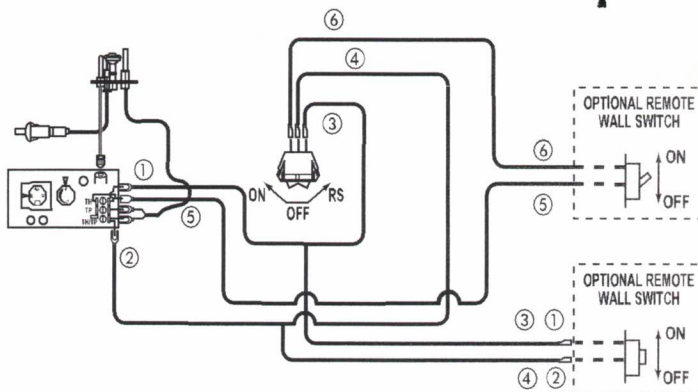


Figure 37 - Wiring Diagram for Wall Switch

WARNING

Do not connect wall switch to (110V) circuit.

CAUTION

Electrical connections should only be performed by a qualified, licensed electrician. Main power supply must be turned off before connecting fans to the main electrical power supply or performing service.

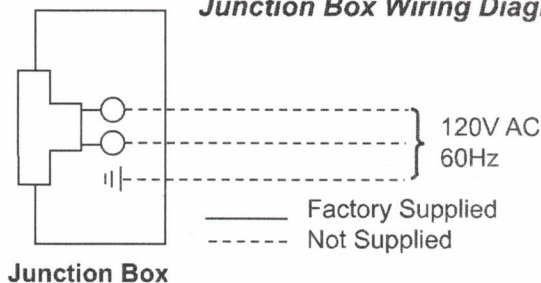
OPTIONAL FAN/BLOWER SYSTEM (BLOTBLDV)

Installation Instructions

Wiring

1. Before installing the blower, wire the receptacle into an electrical circuit. This should be done before framing the fireplace. Wire with minimum 60° C wire in accordance with prevailing codes.
2. Remove the external junction box cover by removing the screw from the left side of the outside firebox wall. Junction box was installed at the factory.
3. The junction box cover has a factory installed "romex" style strain relief connector. After connecting the wires, route the wire leads through this connector. Refer to the wiring diagram in *Figure 38*.

Figure 38 - Junction Box Wiring Diagram



Before Installing the Blower

1. Always turn off the gas supply and allow the unit to cool down before proceeding.
2. Clean the inside of the firebox (wall and floor), where the blower and wires will be installed. Make sure the firebox wall and floor are clean and dry before mounting the blower.

Installing the Blower

1. Remove the lower access panel by pulling up and away from unit.
2. Remove glass frame by releasing the two (2) latches (500 Model has three (3) latches) below the firebox opening and lifting glass frame up and away from unit.
3. Remove logs.
4. Remove grate from engine by lifting up.
5. Remove hearth brick and wall brick panels.
6. Disconnect the gas line to the valve.
7. Remove screws securing engine base to firebox floor and lift engine up to remove.
8. Two (2) magnetic strips have been supplied to secure each blower to the firebox floor. Place on bottom of each blower before installing. *Figure 39*

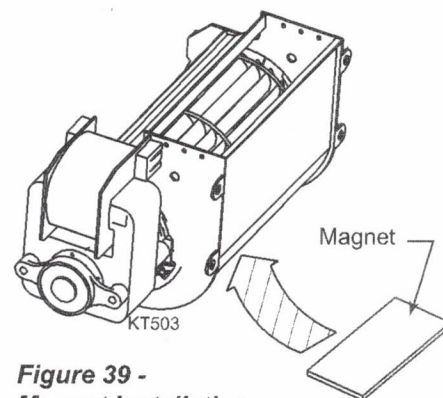


Figure 39 - Magnet Installation

OPTIONAL FAN/BLOWER SYSTEM

9. The blowers are to be inserted flat through the engine cutout in the firebox floor. Slide each blower over to the sidewall location. *Figure 40*

10. Turn blowers with discharge vent facing up. Slide the discharge vent so that it is facing up. Slip discharge vent flange under the flange bracket flush against the sidewall. Slide blower side tabs over into side flange. *Figure 41*. The blower is now locked in place.

11. Attach the speed control to the underside of the firebox using the supplied velcro, locating as far to the right or left as possible.

12. The thermal sensor clip is located beneath the firebox floor near the center. Slide the thermal sensor into the clip until it snaps in place. Make sure the terminals on the thermal sensor are perpendicular to the clip. *Figure 42*

WARNING: It is important to arrange the blower wire harness so the wires can not come in contact with blower fan blades.

13. Connect wiring according to the wiring diagram *Figure 43*.

14. Replace engine in reverse order of removal.

15. Plug in the blower.

16. Re-install firebrick, grate, logs, and glass door in reverse order of removal.

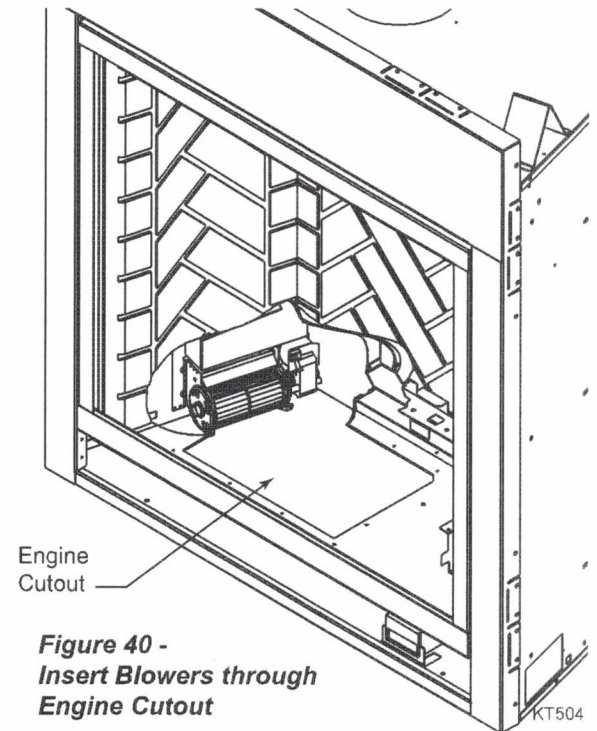
17. To test blower operation, set the variable speed blower on the LOW setting. Turn the fireplace on high. The blower should turn on within 10 minutes.

18. If the blower does not turn on, turn the fireplace off and allow cooling. Unplug the blower. Using a jeweler's style screwdriver, turn the white dial on the side of the variable speed control 1/8 turn counterclockwise. *Figure 43*. This will allow the blower motor to start at the low speed setting as the fireplace cycles on and off. Retest the blower.

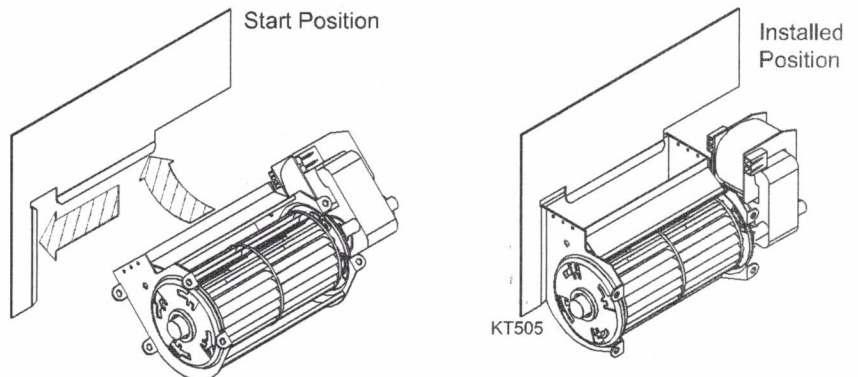
Finishing

1. Re-install the lower access panel.
2. To use the blower, turn the knob on the speed control clockwise. The blower should be operating at the highest speed. Continue to turn the knob until it reaches the desired speed.

NOTE: Some older units are not equipped with mounting brackets. Velcro and magnets are used to mount blowers to sidewall and floor.



**Figure 40 -
Insert Blowers through
Engine Cutout**



**Figure 41 -
Blower Installation Position**

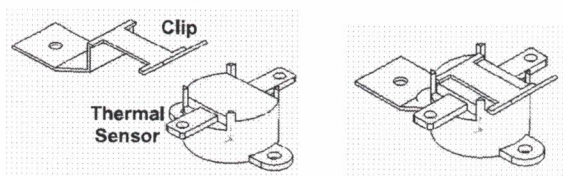


Figure 42 - Thermal Sensor Installation

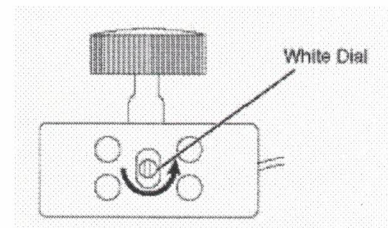


Figure 43 - Location of White Dial on Speed Control

OPTIONAL FAN/BLOWER SYSTEM

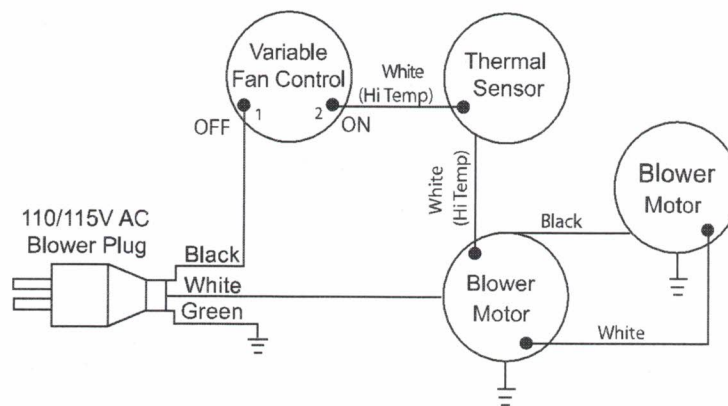


Figure 44 -
Blower Wiring Diagram

WARNING

Electrical Grounding Instructions: This appliance is equipped with a three-prong (grounding) plug for your protection against shock hazard and should be plugged directly into a properly grounded three prong receptacle.