

OPTIONAL BLOWER INSTALLATION INSTRUCTIONS

FRB-3 FOR VENTED ROOM HEATERS

Models

RH-50-(1, 2, 3, 4, 5, 6, 7, 8)

RH-50C-(1, 2, 3)

RH-65-(1, 2, 3, 4, 5, 6, 7, 8)

RH-65C-(1, 2, 3)

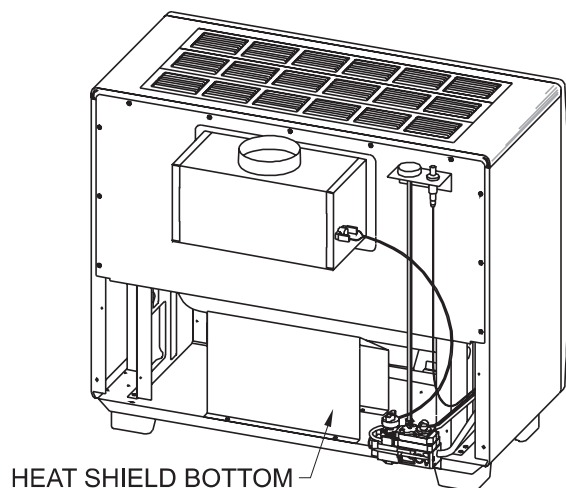


Figure 7

Installing Optional Blower

1. Two-piece shield: remove rear shield (2 screws) and bottom reflector (4 screws). One-piece shield: remove rear shield (4 screws). You can bend shield up slightly to access the two rear screws. **See Figure 7.**
2. Align blower cushion with bottom assembly air discharge opening. Foil face side of blower cushion should be placed upward.
3. Align blower housing with blower cushion and use two, #10 x 1/2" (13mm) hex-head screws to attach blower housing to bottom assembly. **See Figure 8.**
4. Save shield(s) removed in Step 1 in the event the blower housing is removed from room heater. **Attention! Shield(s) must be attached to the bottom assembly whenever the blower housing is removed from the room heater prior to room heater operation.**
5. Remove switch box cover from the switch box by removing the #8 x 1/4" (6mm) hex-head screw.
6. There are two screw holes on the lower back of the combustion chamber. Use only the left screw hole for mounting.
7. With the switch box perpendicular to the combustion chamber, align the round clearance hole on the switch box with the left screw hole on the combustion chamber. **See Figure 9.**
8. Attach switch box to the combustion chamber using the #10 x 1/2" (13mm) hex-head screw provided.
9. Attach switch box cover to the switch box by using the #8 x 1/4" (6mm) hex-head screw. **See Figure 10.**

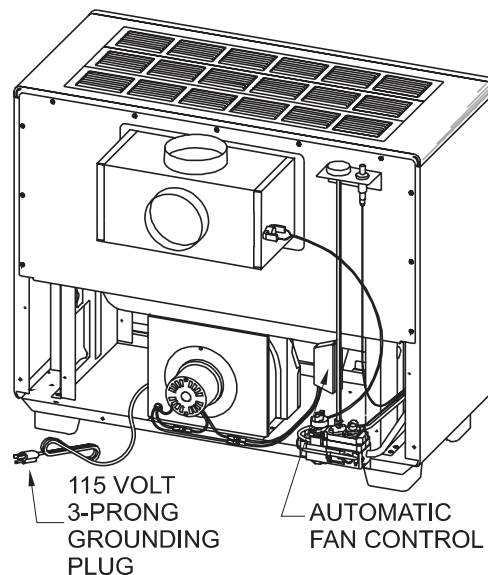


Figure 8

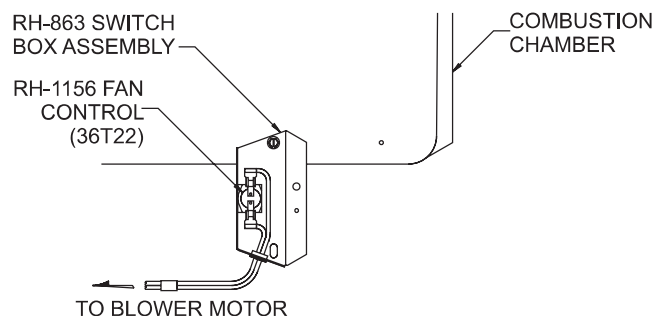


Figure 9

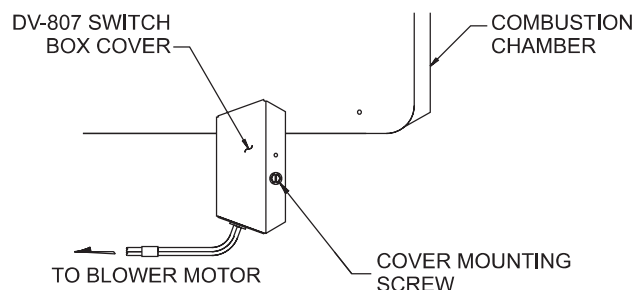


Figure 10

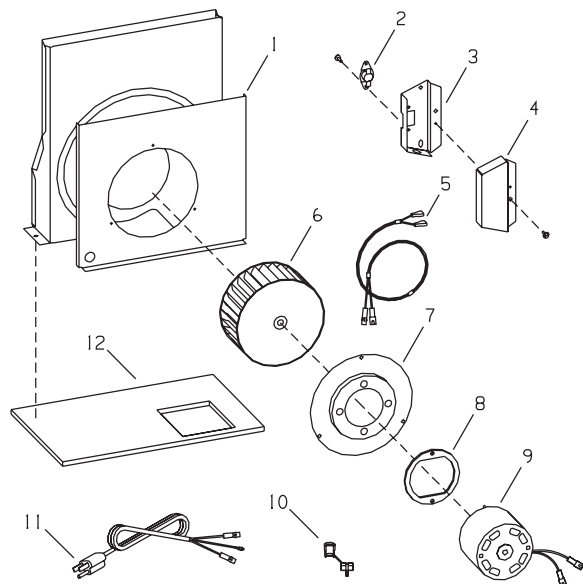
OPTIONAL BLOWER INSTALLATION INSTRUCTIONS

Attention: Wiring harness on blower is factory assembled and installed. If wiring harness becomes disassembled, use the following steps to reassemble the wiring harness.

1. Attach (1) pin terminal from black (hot) wire, smooth insulation on cord set to (1) socket terminal on fan control assembly.
2. Attach (1) pin terminal from black (neutral) wire, ribbed insulation on cord set to (1) socket terminal from white (neutral) wire on motor.
3. Attach (1) pin terminal on fan control assembly to (1) socket terminal from black (hot) wire on motor.
4. Attach green ground wire beneath one of the #10 x 1/2" (13mm) screws on the blower housing.

Fan Control

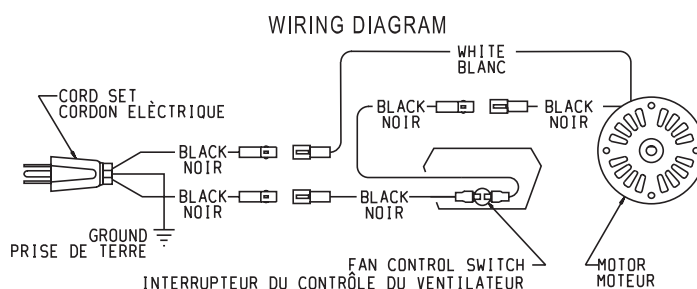
The automatic fan control is located in the switch box. The switch box is attached to the front of the blower assembly. The switch box is adjacent to the combustion chamber. The fan control is a non-adjustable automatic type. The fan control will require between 5 and 10 minutes of main burner operation before the fan control "closes" and activates the blower. The blower will continue to run between 5 and 10 minutes after the main burner shuts off, before the fan control "opens" and deactivates the blower.



INDEX NO.	PART NO.	DESCRIPTION
1	11727	Blower Housing and Chute Assembly
2	R1156	Fan Control Switch
3	RH-863	Switch Box
4	DV-807	Switch Box Cover
5	R-2091	Wire Assembly
6	R369	Blower Wheel
7	11728	Motor Mounting Plate
8	R587	Motor Cushion
9	R-2605	Motor
10	R1468	Strain Relief Bushing
11	R-2099	Cord Set
12	RH-138	Blower Cushion

Wiring

The appliance, when installed, must be electrically grounded in accordance with local codes or, in the absence of local codes, with the *National Electrical Code, ANSI/NFPA 70* or *Canadian Electrical Code, CSA C22.1*, if an external electrical source is utilized. **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. Do not cut or remove the grounding prong from this plug.** For an ungrounded receptacle, an adapter, which has two prongs and a wire for grounding, can be purchased, plugged into the ungrounded receptacle and its wire connected to the receptacle mounting screws. With this wire completing the ground, the appliance cord plug can be plugged into the adapter and be electrically grounded. A 7/8" (22mm) hole is provided in the junction box for use with a conduit connector if local codes require this type of protection.



If any of the original wire as supplied with the appliance must be replaced, it must be replaced with type 125°C wire or its equivalent.

CAUTION

Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation. Verify proper operation after servicing.

WARNING

Unplugging of blower accessory will not stop the heater from cycling. To shut heater off:

1. Turn temperature dial or thermostat to lowest setting.
2. Turn knob n gas control to "OFF," depressing slightly. Do not force.

Cleaning

The blower wheel will collect lint and could require cleaning once a year. If the air output decreases or the noise level increases, it indicates a dirty wheel. Complete removal of the wheel and scrubbing it with a brush under flowing water is recommended.

Oiling

The blower motor has an oil hole located on each end of the motor. Use #20 motor oil only. It is best to oil the motor several times during the heating season using 2 or 3 drops each time. If the motor fails to start and hums, it could be a tight bearing due to lack of oil. This may be corrected by pouring kerosene in the oil holes, allowing to stand for a few hours and then oiling properly.