

INSTALLATION INSTRUCTIONS FOR INSTALLING THE ML230 REPLACEMENT BLOWER KIT. FOR USE WITH MODEL MONTLAKE 230 (ML230) WOOD-BURNING FIREPLACE INSERT

KIT CONTENTS

1 ea. Blower Assembly
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TOOLS NEEDED

1/8" Hex Key or Allen Wrench
5/16" Wrench
Tape Measure
Flat Head Screwdriver.

BLOWER KIT FOR MODEL ML230	
Cat. No.	Description
F3222	Montlake 230 Blower Kit

GENERAL INFORMATION

This replacement blower kit is used with model Montlake 230 (ML230) wood-burning fireplace insert. This kit includes one blower for the right side.

If you encounter any problems, need clarification of these instructions or are not qualified to properly install this kit, contact your local distributor or dealer.

Read this instruction sheet in its entirety before beginning the installation.

ALL WARNINGS AND PRECAUTIONS IN THE INSTALLATION AND OPERATION MANUAL PROVIDED WITH THE APPLIANCE APPLY TO THESE INSTRUCTIONS.

SHUT DOWN THE INSERT AND ALLOW IT TO COMPLETELY COOL BEFORE PROCEEDING.

WARNING

The blower must be plugged directly into a properly grounded three-prong receptacle, 120 VAC, 60 Hz, single phase. Do not cut or remove the grounding prong from this plug. Do not route power cord under or in front of appliance.

Installation must be in accordance with National Electrical Code, ANSI/NFPA 70 - latest edition. In Canada, the current CSA C22.1 Canadian Electrical Code - latest edition.

DANGER: Disconnect power before servicing blower.

INSTALLATION INSTRUCTIONS - MONTLAKE 230

Right Side

- Step 1.** Unplug the unit and gather needed tools.
Step 2. Remove the three screws on the right side façade of unit with a 1/8" hex key. See **Figure 1**.

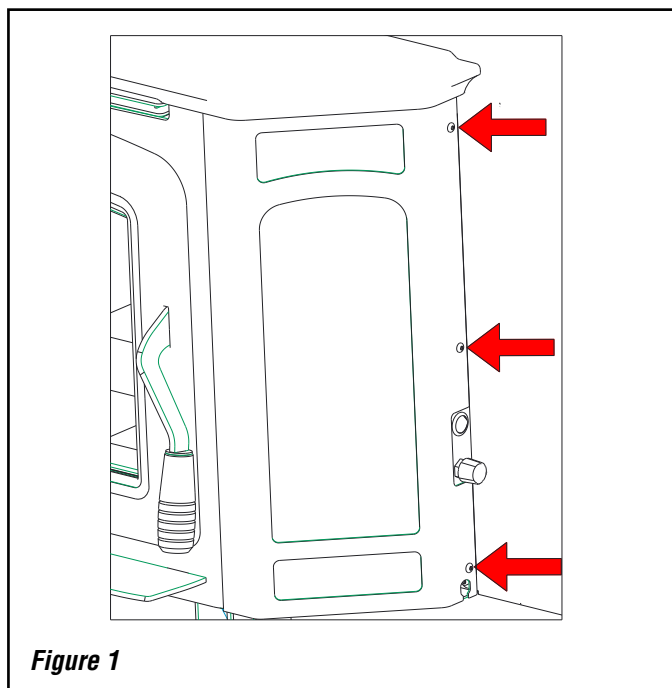
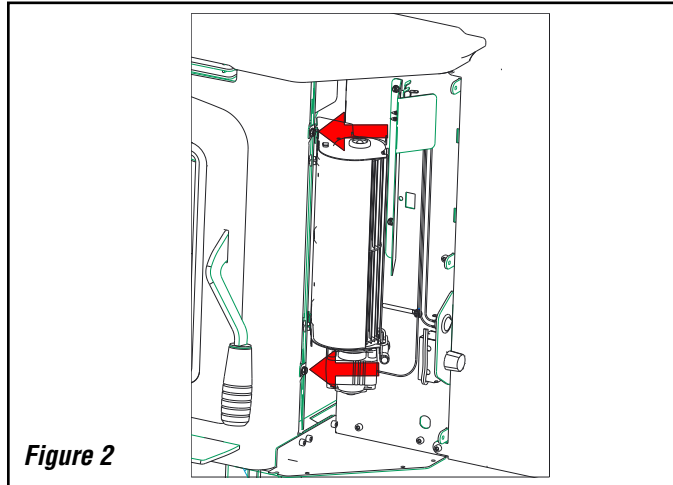
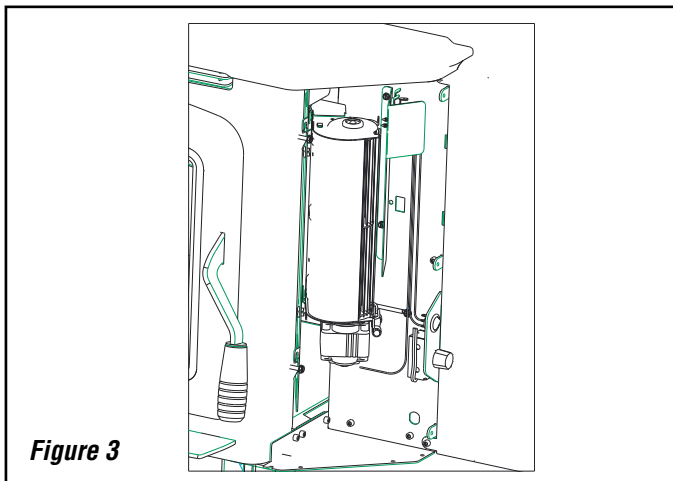


Figure 1

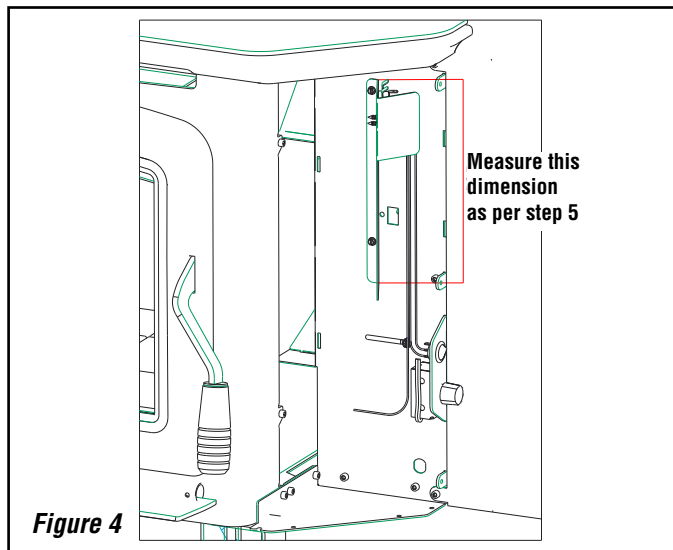
Step 3. Carefully disconnect the two connectors from the blower and the green ring terminal from the unit. Then loosen the two screws holding blower mount bracket with a 5/16" wrench. Retighten green ring terminal, once finished. See **Figure 2**.



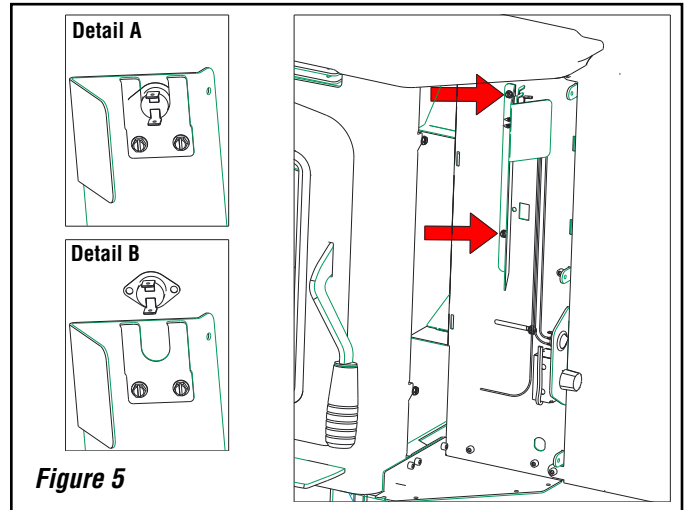
Step 4. Lift the blower/bracket assembly and pull out and away from unit. See **Figure 3**.



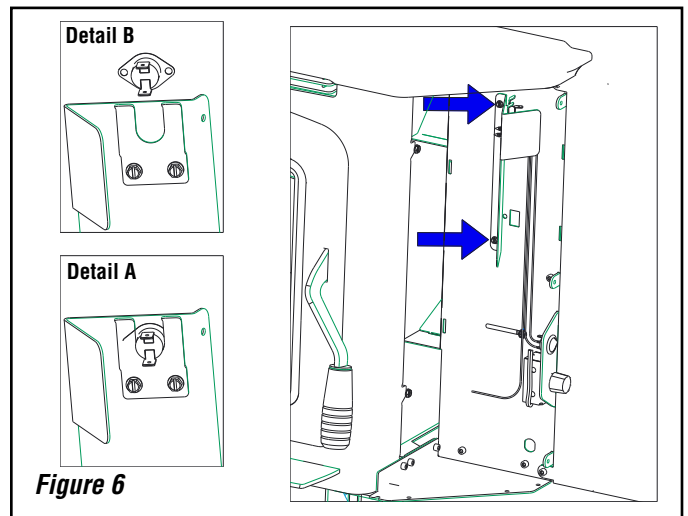
Step 5. Measure the heatshield flange which holds up the snap switch. If the dimension is 9" this heatshield should be replaced with part 811168-01 (supplied in the kit). See **Figure 4**. If heatshield flange measures to 7.7", skip to step 8.



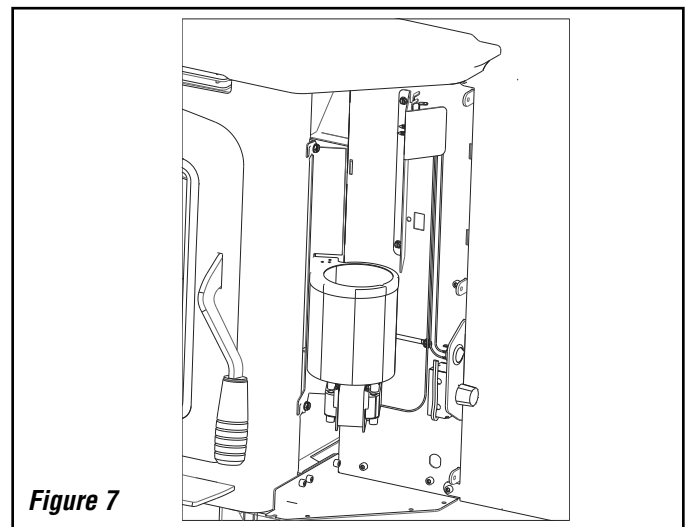
Step 6. Remove the two screws retaining the heatshield assembly with a flat head screw driver, then remove the snap switch from the clip bracket behind the heatshield. See **Figure 5**, snap switch detail A-B.



Step 7. Position the snap switch into the new heatshield bracket and reattach the heatshield assembly with the two screws. See **Figure 6**, snap switch detail B-A.



Step 8. Hook the new blower/bracket assembly into the original location. See **Figure 7**.



Step 9. Tighten the two 5/16" screws onto the new blower bracket and reconnect the new blower. (Note, there is no green ring connector) See **Figure 8**.

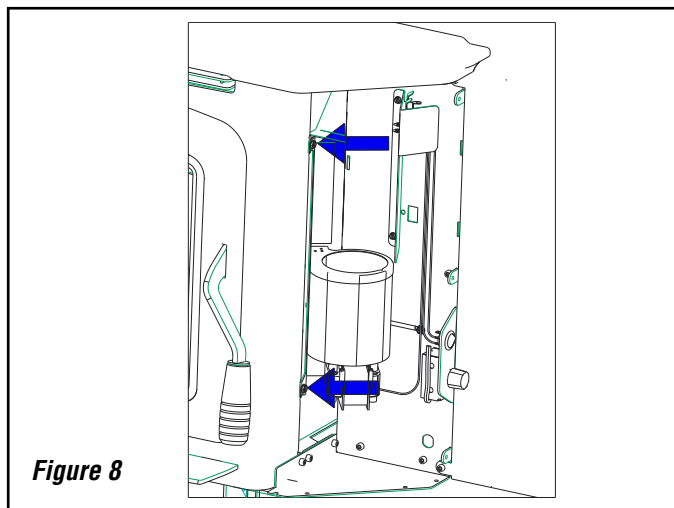


Figure 8

Step 10. Reattach the right side façade onto unit with the three 1/8" hex screws. See **Figure 9**.

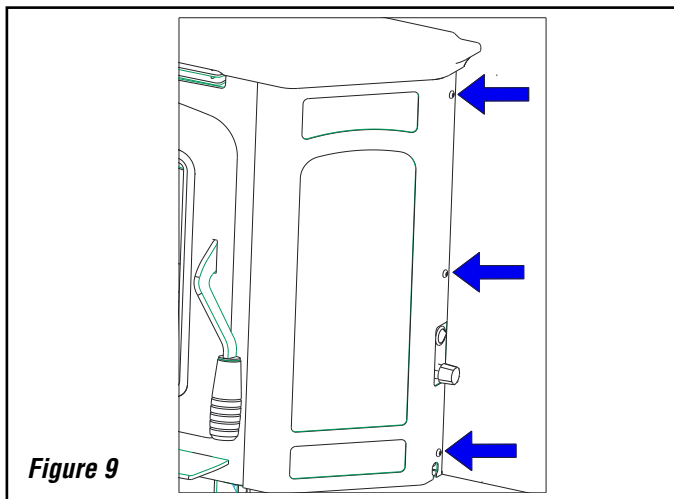


Figure 9

BLOWER OPERATION

Blower Operation

The blower can be operated manually or automatically (blower will turn on when the stove or insert is hot and turn off when the stove or insert is cool).

The rocker switch on the control panel allows you to select between manual operation or automatic operation as follows (see **Figure 10**):

MANUAL OPERATION: Turn rocker switch to the manual position (up) and adjust rheostat knob to the desired speed. The blower will have to be manually turned "OFF" by rotating the rheostat knob counterclockwise until it clicks.

AUTO OPERATION: Turn rocker switch to the "AUTO" position and the rheostat to the ON position (rotate rheostat knob clockwise until it clicks). When the stove or insert warms up, the blower will automatically turn on (adjust rheostat knob to the desired speed setting). When the stove or insert cools down, the blower will automatically turn off.

Rheostat Operation - The highest blower speed is obtained by turning the rheostat knob clockwise until it clicks "ON", then rotate towards "HIGH" to increase blower speed. Rotate the knob clockwise for a lower speed. To turn off, continue to rotate the knob counterclockwise until it clicks "OFF."

Blower Operation Guidelines

While in auto operation mode, the blower will turn off and on based on the temperature of the appliance. Auto operation ensures there is sufficient heat build-up to warm the air being moved by the blower before the blower is turned on. Likewise, when the appliance cools off, the blower is turned off to prevent circulating cool air. Depending on the size and intensity of the fire it may be necessary to adjust the blower speed accordingly to ensure uninterrupted blower operation. For example a small fire may require a slower blower speed to keep the heat output by the blower consistent. If the blower is operated in manual mode, it may be necessary to adjust the blower speed as the fire begins to burn down and the appliance is no longer hot enough to effectively heat the air moved by the blower. If the air coming from the blower feels cool, one should either decrease the blower speed or stoke the fire to build up more heat.

NOTE: Turn blower off before opening the door to load the fuel.

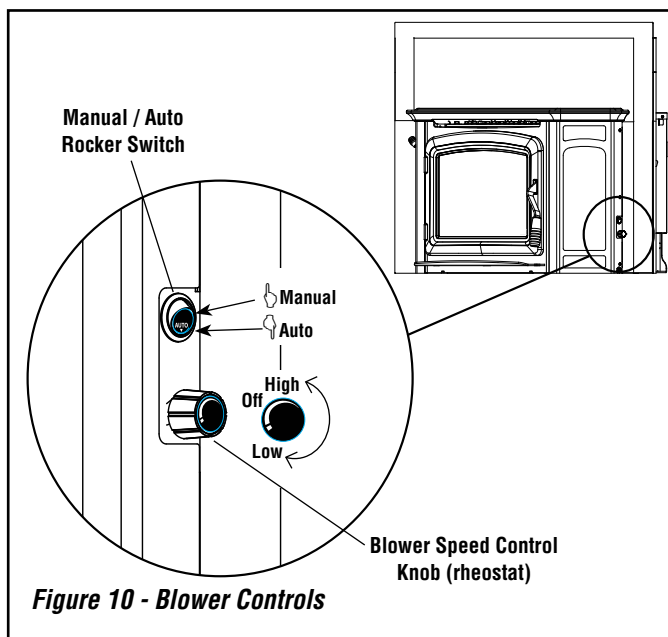


Figure 10 - Blower Controls

⚠ WARNING

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DANGER: Disconnect power before servicing blower.

WIRING SCHEMATIC

NOTE: SWITCH CONDITIONS
GIVEN AT ROOM TEMPERATURE

N/C = NORMALLY CLOSED
N/O = NORMALLY OPEN

—/— = FEMALE DISCONNECT
—/— = MALE DISCONNECT
—○— = STUD CONNECTION

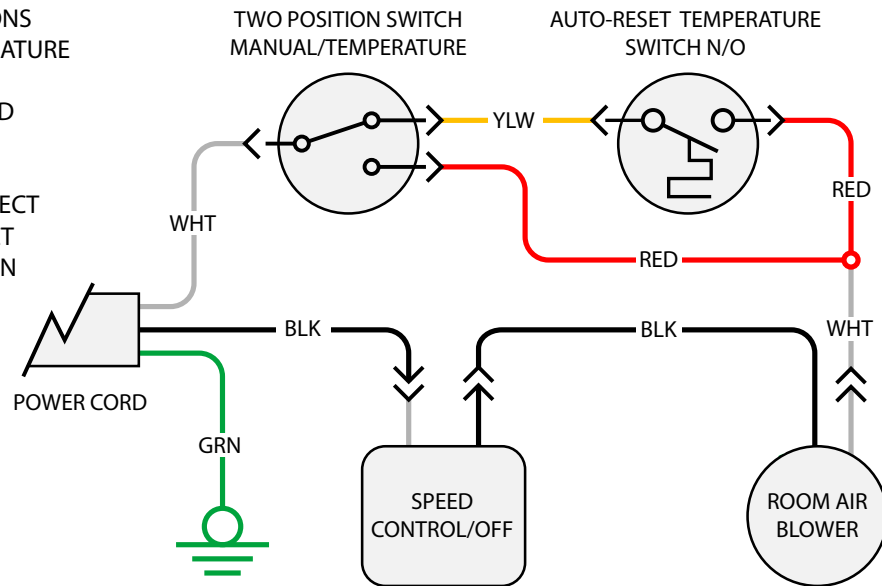


Figure 11 - ML230 Blower Wiring Schematic

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

IHP reserves the right to make changes at any time, without notice, in design, materials, specifications, prices and also to discontinue colors, styles and products. Consult your local distributor for fireplace code information.

