

INSTALLATION INSTRUCTIONS FOR INSTALLING THE ML300 REPLACEMENT BLOWER KIT. FOR USE WITH MODEL MONTLAKE 300 (ML300) WOOD-BURNING FIREPLACE INSERTS

KIT CONTENTS

2 ea. Blower Assemblies
1 ea. Instruction Sheet

TOOLS NEEDED

1/8" Hex Key or Allen Wrench
5/32" Hex Key or Allen Wrench
Flat Head Screwdriver
3/8" wrench
Optional Nut Driver

BLOWER KIT FOR MODEL ML300	
Cat. No.	Description
F3223	Montlake 300 Blower Kit

GENERAL INFORMATION

This replacement blower kit is used with model Montlake 300 (ML300) wood-burning fireplace insert. The kit includes two blowers, one for the left side and one 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 300

Left Side

- Step 1.** Gather tools and unplug power to unit.
Step 2. Unscrew the damper handle and remove it from the unit. Then remove the three screws on the left side façade of unit with a 1/8" hex key. See **Figure 1**.

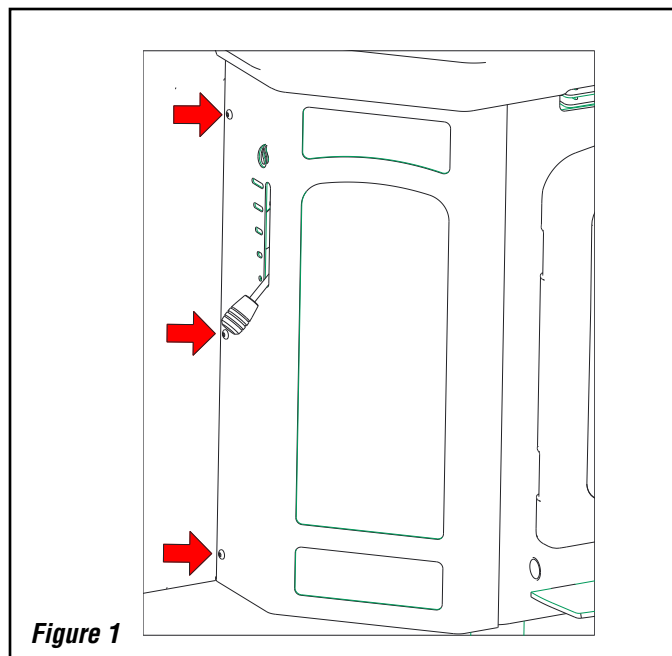
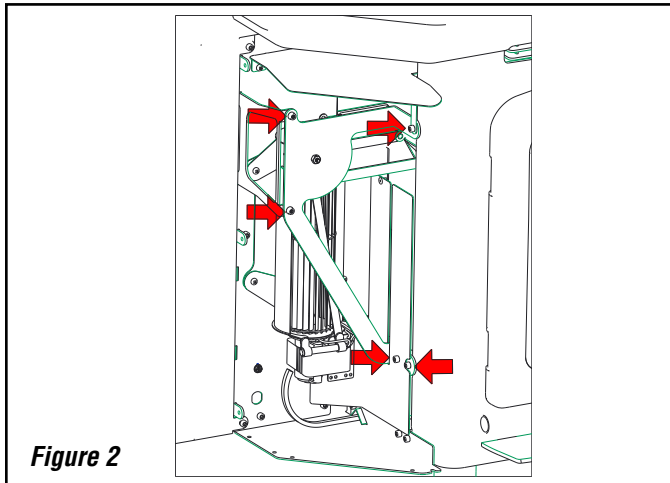
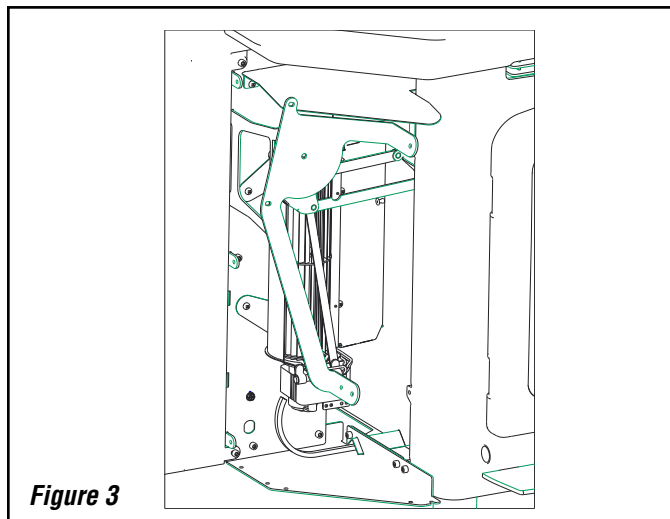


Figure 1

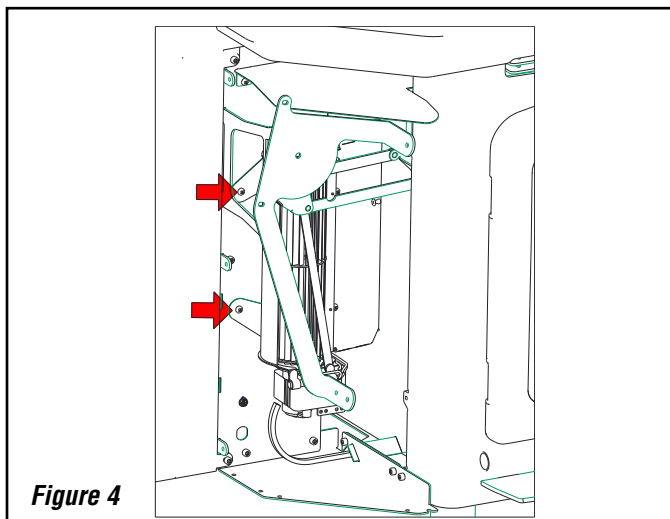
Step 3. Carefully disconnect the two connectors from the blower and the green ring terminal from the unit, then remove the 5 screws holding the damper support brace and heat shield with 5/32" hex key. See **Figure 2**.



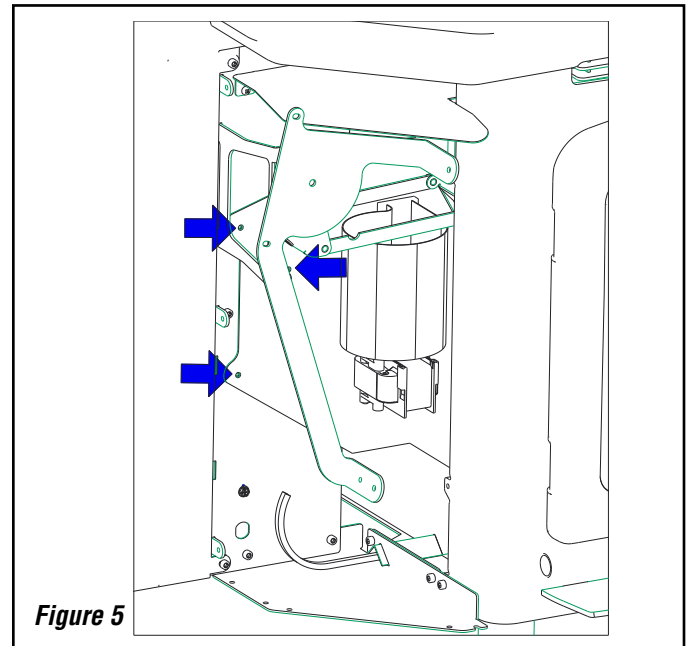
Step 4. Remove the heat shield and rotate the damper support brace upward. See **Figure 3**.



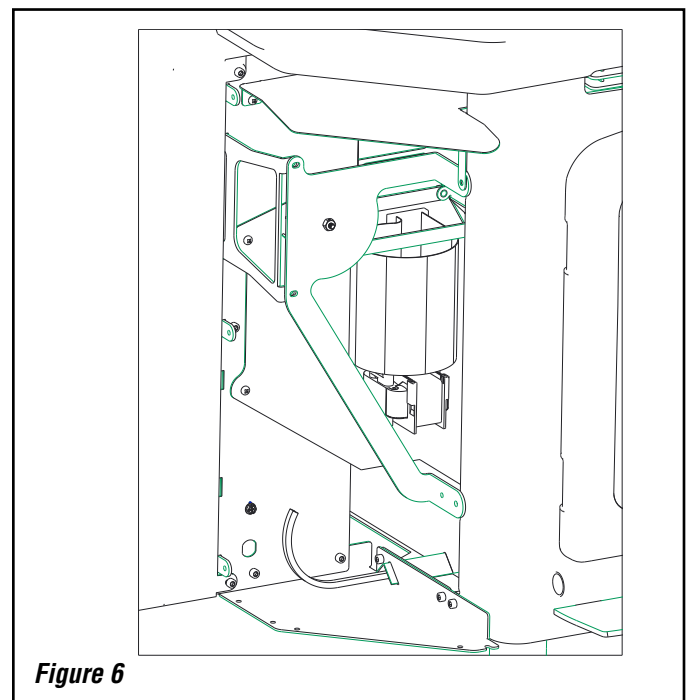
Step 5. Remove the two screws holding in the blower bracket with a flat head screw driver, then remove the blower assembly from the unit. See **Figure 4**.



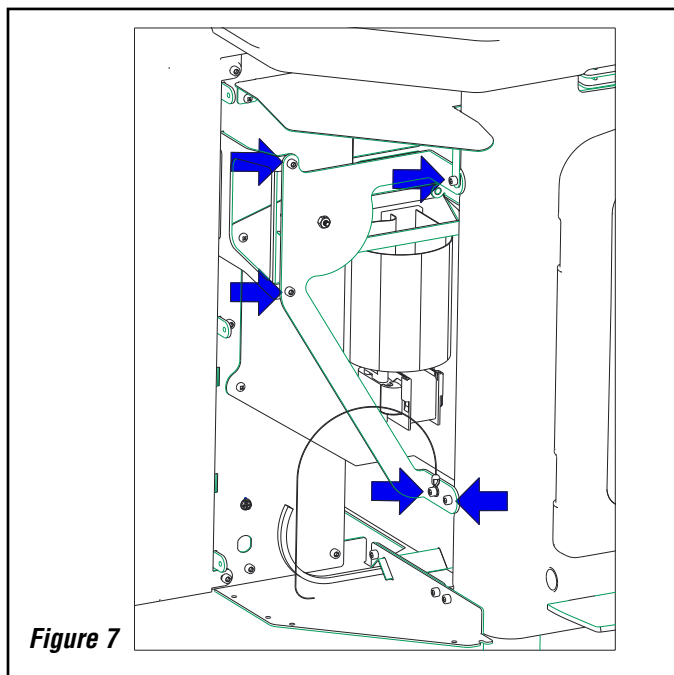
Step 6. Hook the new blower assembly into the rear of the unit and replace the two original screws into their original location before inserting the stabilizer screw (supplied in the kit). See **Figure 5**.



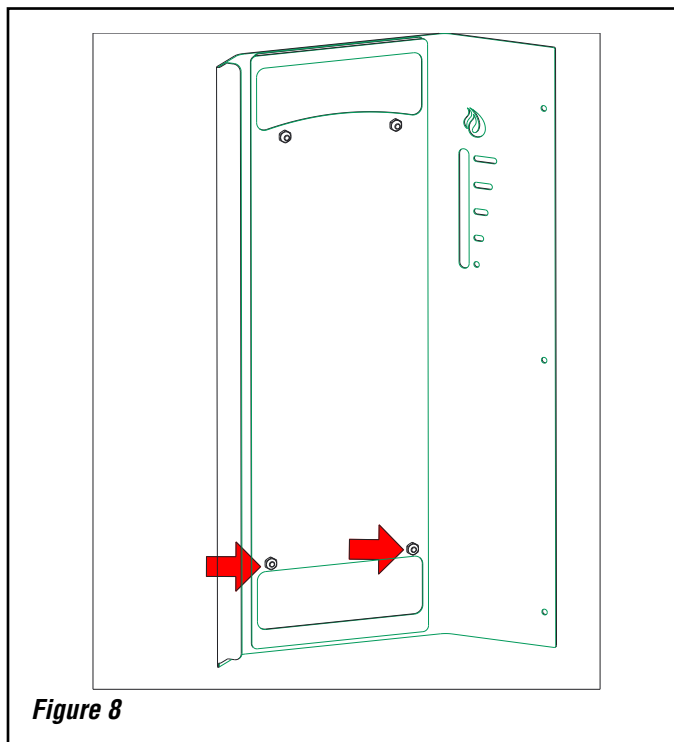
Step 7. Rotate the damper support brace down without re-installing the heatshield. See **Figure 6**.



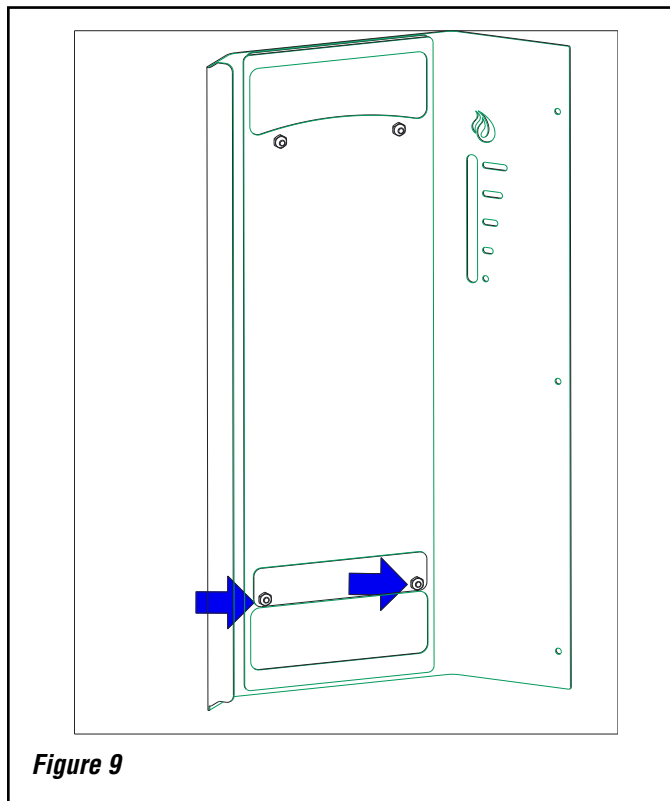
Step 8. Reattach damper support brace with the original screws, then reconnect new blower (note, there is no green ring terminal). See *Figure 7*.



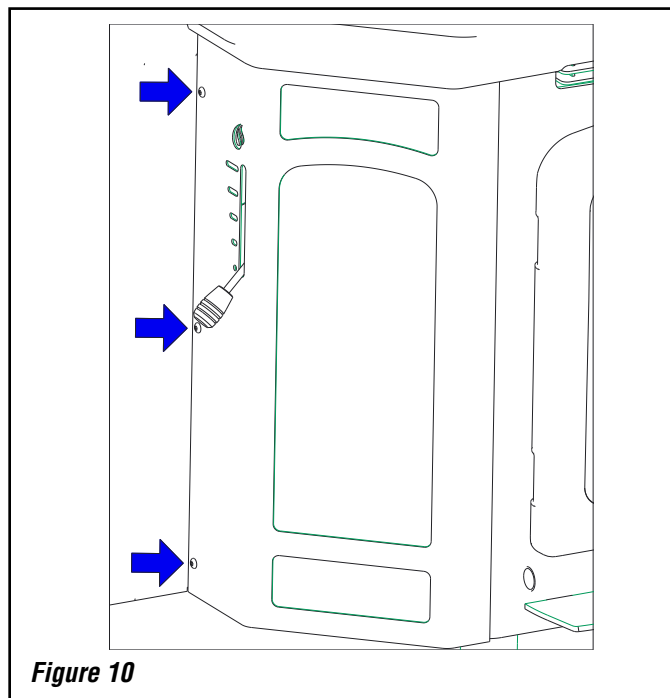
Step 9. On the inside of the left façade, unscrew the bottom two 3/8" nuts. See *Figure 8*.



Step 10. Place new rating plate retention bracket and return the two original 3/8" nuts. See *Figure 9*.



Step 11. Place rating plate into retention bracket and reattach left side façade onto unit with three original hexscrews, then reattach damper handle to unit. See *Figure 10*.

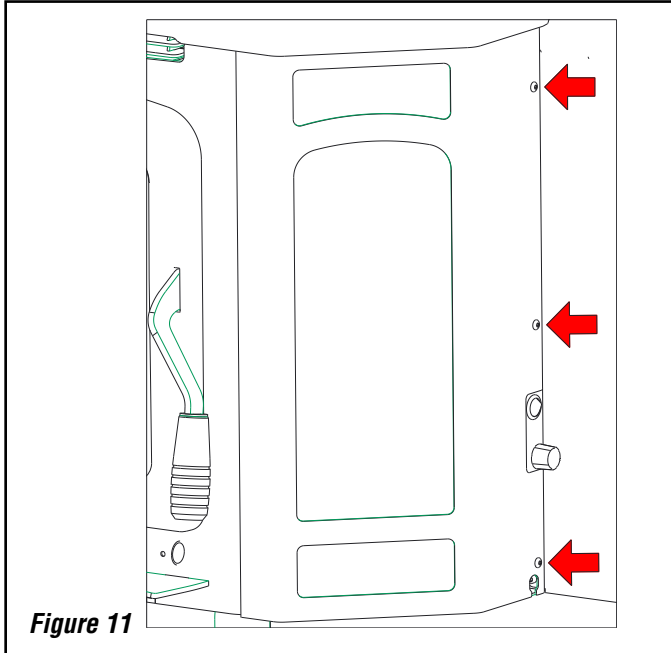


INSTALLATION INSTRUCTIONS (MONTLAKE 300)

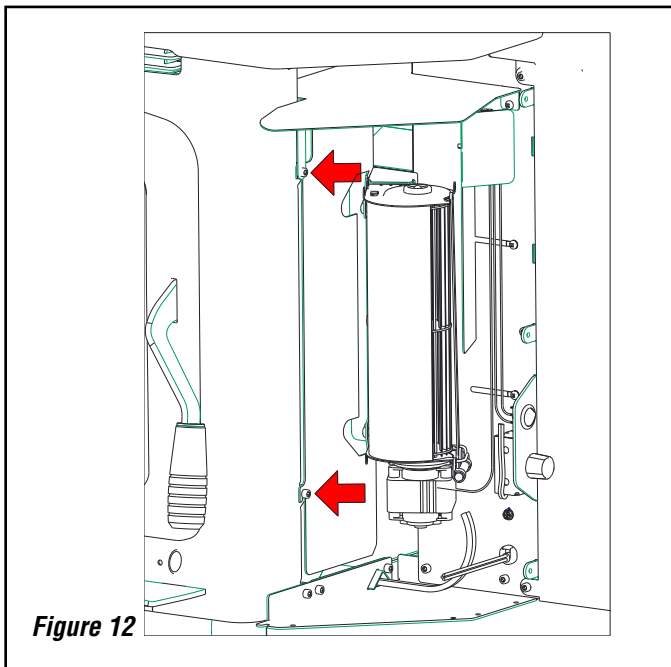
Right Side

Step 1. Gather tools and unplug power to unit.

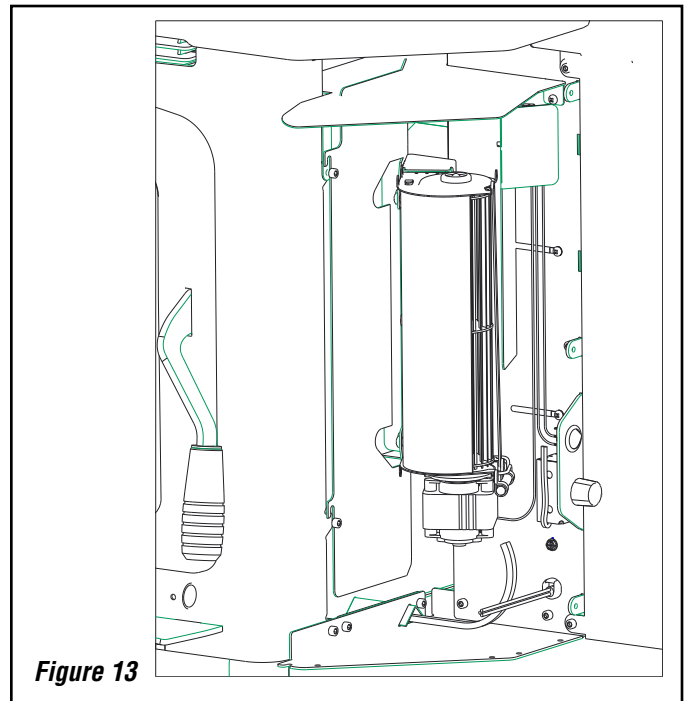
Step 2. Remove the three screws on the right side façade of unit with a 1/8" hex key. See **Figure 11**.



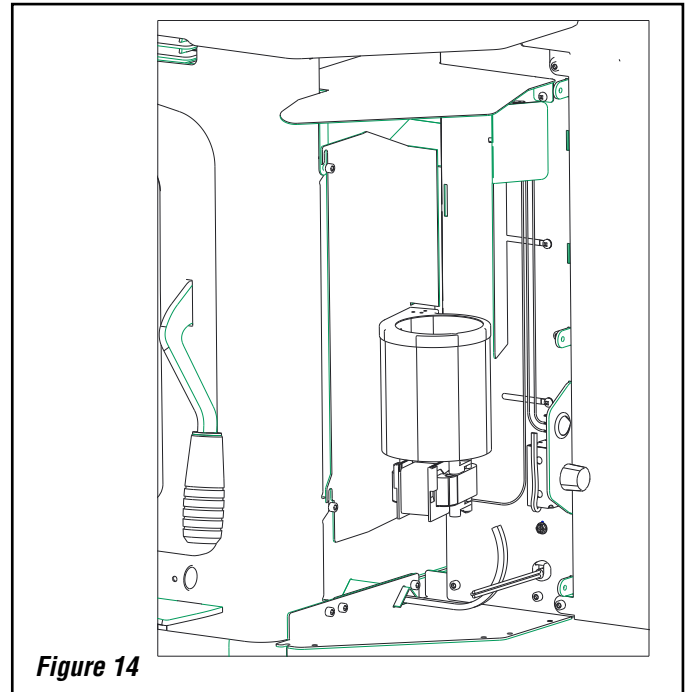
Step 3. Carefully disconnect the two connectors from the fan and the green ring terminal from the unit, and then remove the two screws holding the blower mount bracket with a 5/32" hex key. Retighten green ring terminal, once finished. See **Figure 12**.



Step 4. Lift the blower/bracket assembly and pull it out and away from unit. See **Figure 13**.



Step 5. Hook the new blower/bracket assembly into the original location. See **Figure 14**.



Step 6. Tighten the two 5/32" hex screws onto the new blower bracket and reconnect the new blower. (Note, there is no ring connector) See **Figure 15**.

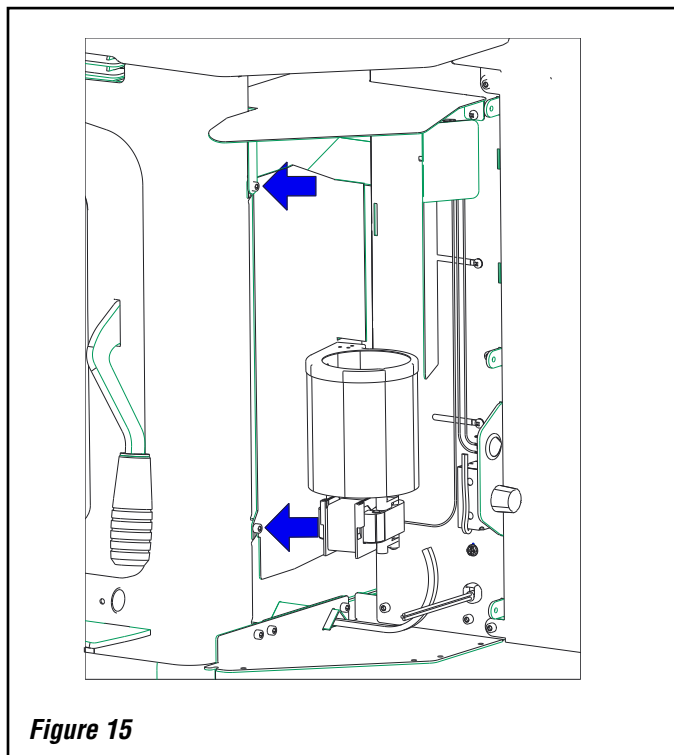


Figure 15

Step 7. Reattach the right side façade onto unit with the three 1/8" hex screws. See **Figure 16**.

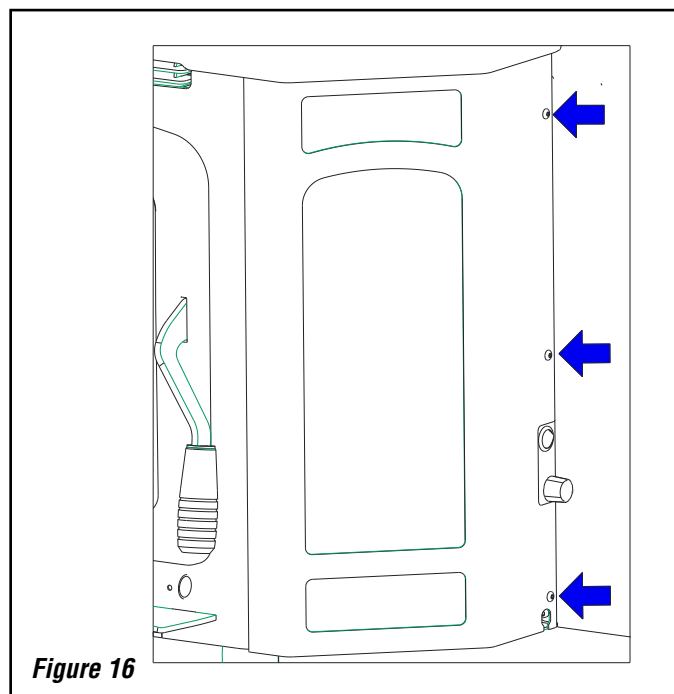


Figure 16

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 17**):

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.

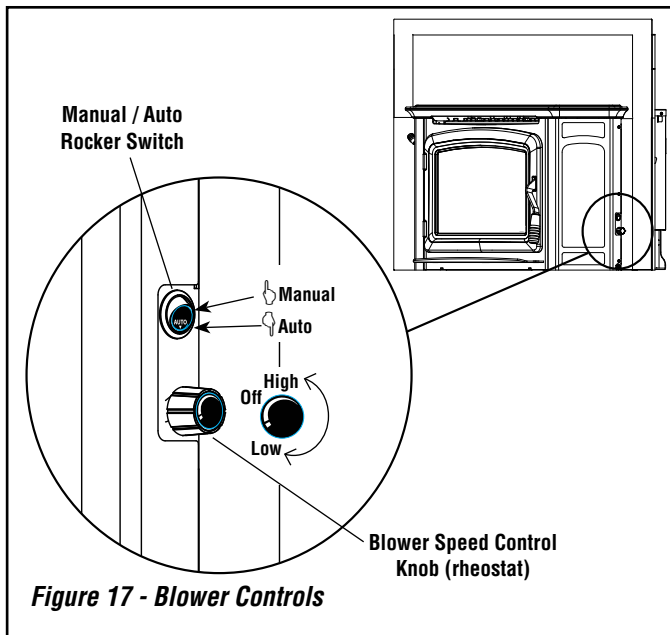
AUTO OPERATION: Turn rocker switch to the "AUTO" position and the rheostat to the ON position (rotate rheostat knob clockwise until it clicks). When the stove or insert warms up, the blower will automatically turn on (adjust rheostat knob to the desired speed setting). When the stove or insert cools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



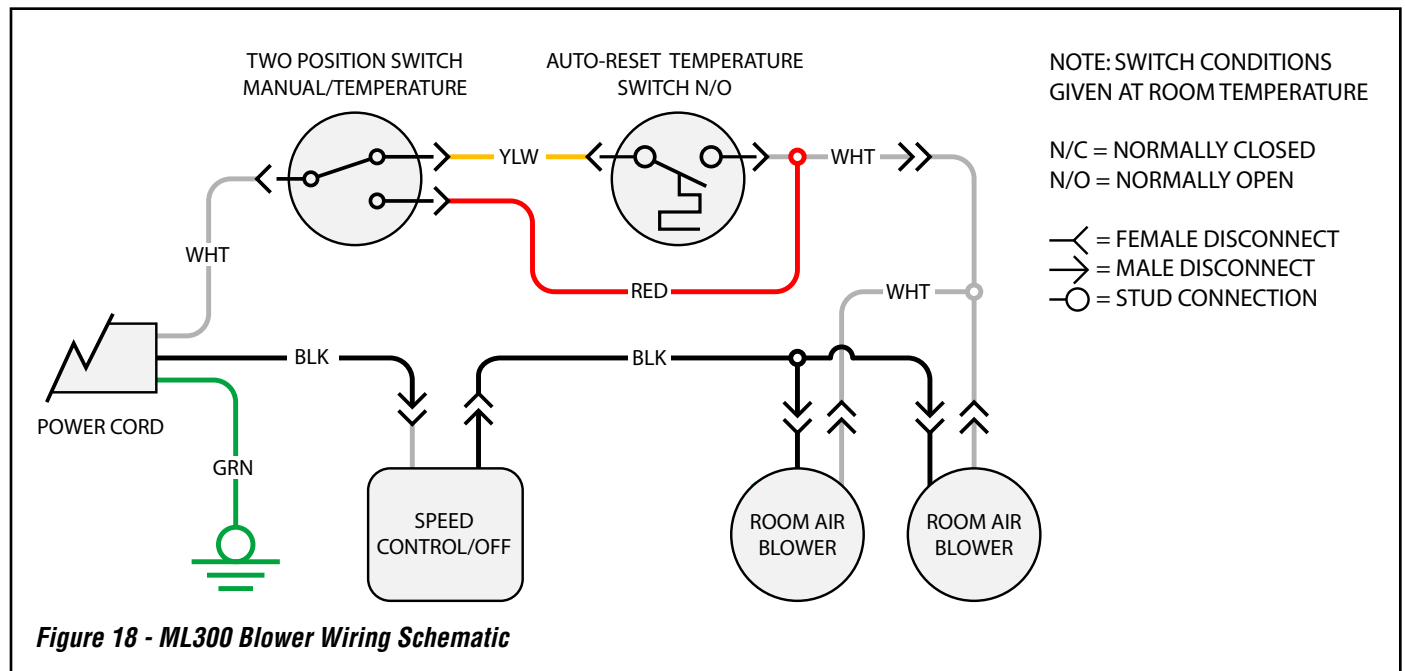
⚠ WARNING

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.

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.

