

3-21-47120-MO

Distribution Blower Motor

INSTALL INSTRUCTIONS

Before Installing

- **ALWAYS** unplug the unit before beginning any work
 - Allow the unit to cool completely if recently used
 - Work in a well-lit area with proper tools
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Installation Steps

1. Power Disconnection

Unplug your stove from the power.

2. Access the unit

- Locate the distribution blower on your unit.
- The blower can be typically found in the mechanical area toward the rear of the stove, or on the underside of the stove unit. The placement of the blower can vary by make and model.

3. Disconnect Blower Wiring

Locate the wiring disconnects and separate the connections for the motor wiring leads.

Tip: you can take a photo of the wires to note the color coding of the wires and connections before removal.

4. Remove Old Blower

- Remove the mounting hardware holding the blower assembly to the stove.
- Remove the blower assembly from the stove.

- Remove the three mounting screws from the housing and remove the blower motor and impeller from the housing.
- Remove the blower impeller from the old motor.
- This is a motor only and will fit into the existing housing on most stove or inserts by Harman and other models. Please refer to the following compatibility notes for Harman Models:
 - The replacement blowers for the Super Magnum Stoker, Invincible, and Accentra pellet inserts are currently one-speed blowers. Previously, these replacement blowers were three-speed with two speeds made inactive.
 - Red and Blue not connected: All production models beginning with serial number 008600509 for the Super Magnum Stoker and serial number 008248445 for the Accentra pellet insert have been changed to the one-speed blower. This new wiring is not visible since it still only operates at one speed like it always had.
 - If the serial number on your Harman Invincible Insert falls between serial number 1556 - 2128, this blower is not compatible with your stove. During that time Harman was using part number 3-21-08619. This part is now obsolete.
 - A motor only replacement requires the fan to be swapped from the old motor to the new one. If you need a new fan, the whole assembly 3-21-47120 will be required instead.
 - The blower for the Super Magnum Coal Stoker was optional. If your unit does not have the blower and wishes to install one, 3-21-47120 full blower assembly will be needed instead.

5. Install New Blower

- Install the impeller to the new motor.
- Insert new motor and the impeller into the blower housing.
- Secure the motor to the housing with the mounting screw removed prior.
- Install the newly assembled blower assembly to the stove using mounting hardware.

6. Connect Blower Wiring

- Plug the wiring disconnects from the wiring harness to the new blower leads.
- If your blower requires new wire terminals for installation, attach terminals matching the connections on the wiring harness to the stripped section of wire
- Early versions of this motor were variable speed and would have had four wires; Red, Blue White, and Black. Harman always wired this blower for maximum output at line voltage using ONLY the Black and White wires. Requires two (2) 1/4" female wire terminals (not included) to be crimped to the wire leads at the time of installation.
- Match the blower wiring to the wiring harness by color (i.e. black-to-black and white-to-white)

7. Final Assembly

- Secure the wires from dangling or catching with zip ties
- Install the removed wiring access panels if removed.

8. Power Connection

Plug in the stove to test.

Post-Installation Check

- Verify all connections are secure
 - Test blower operation before closing panels
 - Check for any unusual noises or vibrations
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Support

If you encounter any issues during installation, consult your owner's manual or contact technical support via our contact form.

