

3-21-08639

Combustion Blower

INSTALLATION 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

This combustion blower is used on all Harman pellet stoves so the specific instructions may vary by model. Here is a basic overview of what you will need to do:

1. Power Disconnection

Unplug the unit from the power source.

2. Access the Unit

Open the service panel(s) to access the exhaust blower.

3. Disconnect Wiring

- Disconnect all wiring from the blower
- **Tip:** Take a photo of wire connections before disconnecting

4. Remove Old Blower Assembly

- Unscrew and remove the blower from the unit
- **Note:** Harman does not use a combustion blower housing for any of their pellet stoves except for the Invincible Series Inserts; the motor is usually mounted either directly to the back of the stove, or they will have the motor mounted on a removable steel plate or hub of their own design.

- For motors mounted on the stove body, you will need to open the firebox, remove the combustion motor cover, remove the impeller from the motor shaft and then you can remove the motor from the back of the stove.
- The impeller can possibly become seized on the motor shaft if it has never been removed. If this happens, the shaft of the motor must be cut and a new impeller will need to be mounted on the new motor.
 - Refer to your owner's manual to verify the impeller you need; Your model may use one of three (3) different types of impellers that can be used with this motor.
 - If you need to cut the shaft of the motor, a hand-held hacksaw blade is recommended. The shaft must be long and narrow to fit between the motor's cooling fan and the stove wall from behind the stove.
 - Jamming a screwdriver or a similar item between the impeller and stove wall in the fire box will prevent the shaft from spinning as you cut through the shaft. This process may need to be done for stoves that use a removable hub, though the whole assembly can easily be removed from the stove when cutting in this case.
- The motor is secured to the stove using threaded studs which pass through the firebox or the hub and are wedged in place. If the stud is spinning when you are trying to remove the nut, the stud must also be cut in the same way as the shaft.

5. Install New Blower Assembly

- Install the new motor to the stove or hub (install new mounting studs if needed).
- Install the impeller to the motor rod. This blower motor DOES NOT come with an impeller.
- **Note:** This motor accepts 3 different sized impellers to fine-tune how much air is moved through the stove. It is advisable to replace the impeller when replacing this blower as the old impeller from your existing blower may be seized to the shaft or it may be damaged in the process of removing the blower. Refer to the following part numbers for the correct impeller needed for your model.

- **3-20-502221:** P38, 43, 61A, 68, PB105, PF100, XXV, 44 MAG, Advance, Accentra 52i, DVC500, HF60
- **3-21-00661:** Accentra Insert, P35i
- **3-20-40985:** Accentra FS, Invincible T, PC45, PF100, Pellet Pro II

6. Connect Wiring

- Connect the black, white, and green wires wiring from the blower to the corresponding wires on the wiring harness that were previously disconnected.

7. Final Assembly

Close the service panel(s) securely.

8. Power Connection

Plug the stove back into the power source.

Post-Installation Check

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

Support

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