

OUTSIDE AIR VENT HOOD 1-10-09542

INSTALLATION INSTRUCTIONS

Replaces MPNs: 1-10-9542

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. Plan your Placement

- Verify the size and brand of your stove air intake.
- Carefully plan the placement of the outside air kit to the wall for new installations.
 - Ensure to account for the required distance and clearances the piping must be away from the ground outside.
 - Ensure to follow the piping installation guidelines in pages 3 through 5.
- If you are utilising a hole in the wall or a preexisting wall thimble from an existing outside air kit, ensure the hole, new flex hose, and stove air intake matches in size before proceeding.

2. Disconnect Power

- Ensure the unit is completely cooled down and drained of power.
- Unplug the stove from the powersource.
- If installing the outside air kit to a new placement through the wall, proceed to step 4.

3. Remove Old Air Vent Hood

- Disconnect the hose of the existing air kit from the stove air intake.
- Unfasten the hardware securing the air venting to the wall on the outside of the wall.
- Pull the existing air intake assembly out through the wall.

4. Install New Air Vent Hood

- Insert the flex hose through the hole in the wall (or the preexisting wall thimble) and carefully pull the flex hose through.
 - For new installations, a round hole will need to be cut through the wall in the same diameter of the flex hose.
- Bend the tabs outward on the new air vent hood.
- Sleeve the flex hose onto the tabs. The shorter tabs should be braced against the inside of the flex pipe, while the longer tabs with holes would brace against the outside of the pipe.
- Turn the hood so the vents are oriented downward toward the ground. Secure the hood to the pipe with self-tapping screws.
- Carefully push the flex pipe back through the hole in the wall until the hood touches the wall.
- Secure the hood to the wall with screws.
- Secure the end of the flex hose to the stove's air intake with a hose clamp.

5. Connect Power

- Plug the stove's power cord into the power source.
- Your new air vent hood is installed and ready to use.



Post-Installation Check

- Verify all connections are secure
- Ensure the installation follows the Guidelines for Proper Installation on Page 3.
- Check for any leaks or openings in the piping.

Guidelines for Proper Installation

- **ALL INSTALLATIONS SHALL CONFORM TO NFPA211 STANDARDS BY A QUALIFIED PERSON AND BE INSPECTED BY THE LOCAL AUTHORITY HAVING JURISDICTION WHEN APPLICABLE**
- Every pellet stove has an exhaust take-off. This is where the venting is attached to the stove. The take-off determines the venting diameter and cannot be reduced. If your stove has a 4" diameter take-off, you cannot reduce down to 3" at the take-off or anywhere else in the venting configuration.
- You must ALWAYS use an appliance adapter at the take-off. Appliance adapters in Pellet Vent Pro will end with "AD". Harman Pellet Stoves has its own adapter with "HAD" in the part number. Appliance adapter types: straight pipe, increases, and clean-out tees. All appliance adapters MUST be sealed with RTV silicone AND fastened to the take-off with screws.
- All adjustable length venting pipes must be fastened with screws. When screws are used to fasten together a venting pipe, the screws shall ONLY pierce the outer wall and not breach through the inner wall.
- Venting seams (where two sections of venting twist-lock together) must never be concealed within a wall. Any seam that is in an enclosed or inaccessible space, must be screwed together prior to concealment.
- Pellet Vent Pro has a 1" clearance to combustibles. Horizontal sections must be 7" above combustible floors unless shielding is used and 9" below combustibles unless shielding is used.
- Horizontal venting rules:
 1. No installation shall have more than 10 feet of horizontal venting

2. All horizontal sections of venting must rise 1/4" over a foot for the entire span
 3. Horizontal sections of the vent MUST be preceded by vertical sections at a rate of 2:1. For example: If your installation has 4 feet of horizontal travel, you must have at least 8 feet of vertical after the horizontal run.
- A thimble MUST be used when passing through combustible walls.
 - An attic insulation shield MUST be used when passing vertically through an insulated space.
 - Venting configurations cannot have more than three 90° elbows or clean-out tees. Two 45° elbows equal one 90° elbow.
 - 3" Venting installations with more than 15 linear feet or require more than two 90° turns must be increased to 4" diameter.
 - Flexible liners can ONLY be used in CLASS A masonry chimney applications.

In addition, the following must be observed:

- A. **The clearance above grade** must be a minimum of 12".
- B. **The clearance to a window or door** that may be opened must be a minimum of 48" to the side, 48" below the window/door, 12" above the window/door. (with outside air installed, 9" to the side and below)
- C. **A 12" clearance to a permanently closed window** is recommended to prevent condensation on the window.
- D. **The vertical clearance to a ventilated soffit** located above the terminal within a horizontal distance of 2 feet (60 cm) from the center-line of the terminal must be a minimum of 18".
- E. **The clearance to an unventilated soffit** must be a minimum of 12".
- F. **The clearance to an outside corner** is 11" from the center of the pipe.
- G. **The clearance to an inside corner** is 12".
- H. **A vent must not be installed within 3 feet (90 cm) above a gas meter/regulator assembly** when measured from the horizontal center-line of the regulator.

- I. **The clearance to service regulator vent outlet** must be a minimum of 6 feet.
- J. **The clearance to a non-mechanical air supply inlet to the building** or the combustion air inlet to any other appliance must be a minimum of 48”.
- K. **The clearance to a mechanical air supply inlet** must be a minimum of 10 feet. (with outside air installed, 6 feet)
- L. **The clearance above a paved sidewalk or a paved driveway** located on public property must be a minimum of 7 feet.
- M. **The clearance under a veranda, porch, deck or balcony** must be a minimum of 12 inches. (B. also)

NOTE: The clearance to vegetation and other exterior combustibles such as mulch is 36” as measured from the center of the outlet or cap. This 36” radius continues to grade.

A vent shall not terminate directly above a sidewalk or paved driveway which is located between two single-family dwellings and serves both dwellings. Only permitted if the veranda, porch, deck, or balcony is fully open on a minimum of 2 sides beneath the floor.

Support

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