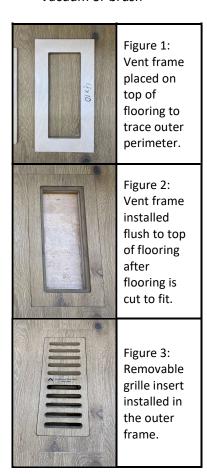
Flush Framed Vent Installation Guide

For hardwood flush vents with a visible outer frame



Tools & Materials Required

- Hardwood Flush Framed
 Vent (Grille Insert +
 Outer Frame)
- Measuring tape
- Pencil or chalk line
- Square or straightedge
- Table saw or track saw
- Jigsaw or oscillating multi-tool
- Construction adhesive
- Finish nailer (18ga or 22ga)
- Sandpaper (120–180 grit)
- Colour-matched caulking or wood filler
- Vacuum or brush



1. PREPARATION

1.1 Confirm Vent Size

 Measure the HVAC boot opening and match the correct vent size. Typical sizes in new builds are 4"x10" or 4"x12", but they can be any size, especially in older homes.

2. MARKING THE OPENING

2.1 Dry-Fit the Layout

- Install flooring up to the HVAC boot/vent location.
- Position the vent outer frame to confirm alignment.

2.2 Trace the Opening

• Use the frame as a template and trace the outer perimeter, see Figure 1.

3. CUTTING THE OPENING

3.1 Cut Out the Flooring

• Cut the marked opening using a table saw or track saw, jigsaw, or oscillating multi-tool.

3.2 Clean the Area

• Vacuum debris and ensure edges are clean and square.

3.3 Lightly Sand Cut Edges

• Remove burrs to ensure a flush, seamless fit.

4. INSTALLING THE VENT OUTER FRAME

4.1 Dry Fi

- Ensure the outer frame sits flush with surrounding flooring.
- Align the outer frame with the HVAC boot.

4.2 Secure the Frame

- Apply a thin bead of construction adhesive to the underside of the frame.
- Optionally secure with 18ga brad nails or 22ga pin nails through the inside lip
 of the frame, so the nails are hidden.
- Fill any gaps with color-matched caulking or wood filler. See Figure 2.

5. INSTALLING THE REMOVABLE GRILLE INSERT

- Ensure the grille insert fits smoothly into the frame.
- If the vent has an attached damper, ensure the damper drops down into the duct boot without interference. See Figure 3.

6. FINISHING

• Touch up frame edges with colour-matched filler if needed.

7. MAINTENANCE

- Lift the grille periodically to vacuum the duct.
- Avoid wet mopping over the vent area.
- Do not stand on or place heavy furniture directly on the vent.

Dec 2025 Page 1 of 1