

# Wall Intake Vents

Stucco Exterior Wall - Drywall Interior Wall (Garage)

## **Installation Instructions**



1-855-226-6569

These instructions cover cutting a new rectangular wall penetration through a **stucco exterior wall** and **drywall interior wall** and installing a **rectangular sheet-metal wall sleeve**.

These installation instructions are provided **for informational purposes only**. They are intended as a general guideline and do not replace professional judgment, manufacturer-specific requirements, or applicable local, state, and national building codes.

Actual installation conditions may vary based on wall construction, materials, structural conditions, local code requirements, and the specific equipment being installed. The installer is solely responsible for verifying site conditions, ensuring code compliance, and determining the suitability of the installation method for each application.

The manufacturer and publisher assume **no responsibility or liability** for improper installation, damage to property, personal injury, or code violations resulting from the use of these instructions.

Always follow:

- Local building and mechanical codes
- Manufacturer installation requirements
- Proper safety practices and PPE usage

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### Tools Required

- |  |  |
|--|--|
| • Stud finder                          | • Angle grinder (exterior)                   |
| • Tape measure & marker                | • Drywall saw or oscillating tool (interior) |
| • Level                                | • Aviation snips (left/right)                |
| • Hammer                               | • Caulking gun                               |
| • Drill with masonry bit (pilot holes) | • Wet Rag                                    |

### Materials Required (not included)

- |  |                                 |
|--|---------------------------------|
| • Exterior-grade sealant (paintable silicone caulking) | • Touch-up paint (optional)     |
|  | • Drywall Anchors (if required) |

## Step 1 – Select Location

1. Choose a location that:
  - Is **clear of studs, electrical, plumbing, and gas lines**
  - Meets manufacturer and local code clearances
  - Allows a straight, unobstructed sleeve installation
  - Preferably down low, one towards the front of the garage and one towards the rear. If that is not possible, install one down low and one up high on the same wall stud



2. Verify both **interior and exterior access**

**Tip:** Use a stud finder on the interior wall confirming the edge

## Step 2 – Lay Out the Opening (Interior)

1. Measure the **outside dimensions** of the sheet-metal sleeve
2. On the interior drywall:
  - Mark the cutout to match the sleeve size
  - Use a level to ensure square alignment



3. Double-check measurements before cutting

### Step 3 – Cut Interior Drywall Opening

1. Cut the drywall opening using a drywall saw or oscillating tool
2. Remove drywall and inspect the wall cavity
3. Confirm no obstructions exist in the penetration path
4. Remove insulation (if any)



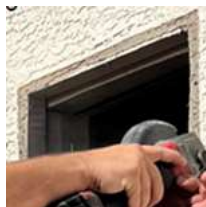
### Step 4 – Transfer Opening to Exterior Stucco

1. From the interior opening, drill **pilot holes through the exterior wall** at:
  - All four corners of the opening
2. Move outside and connect the pilot holes to outline the cut



### Step 5 – Cut Exterior Stucco Opening

1. Score the stucco carefully along the marked outline
2. Cut through:
  - Stucco finish
  - Metal lath (if present)
  - Sheathing
3. Remove material cleanly



## Step 6 – Prepare the Sheet-Metal Sleeve

### 1. Identify the sleeve ends:

- **Flanged end** → exterior
- **Raw end** → interior

### 2. Assemble the sleeve

- Align both halves so the flange end makes a rectangle
- Align the male end of one half of the sleeve to the female end of the other half of the sleeve
- Lightly tap together with a hammer to connect the two halves
- Repeat on the other side to complete the assembly of the duct sleeve



### 3. Dry-fit the sleeve through the wall opening



### 4. On the **interior side**, mark the sleeve so it's flush with the drywall

### Step 7 – Trim Sleeve

1. Remove the sleeve
2. Using aviation snips:
  - Trim the raw end to the marked length



### Step 8 – Install Sleeve

1. Apply a continuous bead of exterior-grade sealant behind the exterior flange



2. Slide the sleeve into the wall:
  - Exterior flange tight against stucco
  - Interior raw end flush to the edge of the drywall
3. Screw the sleeve to the wall stud (one to two screws)



### Step 9 – Seal Exterior

1. Seal around the exterior flange perimeter
2. Ensure:
  - No gaps
  - Full weatherproof seal

### Step 10 – Install Exterior Intake Grille

1. Attach the grille, sandwiching the sleeve between the grille and stucco
2. Seal around the exterior perimeter of the grille
  - Wipe smooth for a clean finish
3. Confirm the grille is:
  - Oriented correctly (fins down)
  - Secure
  - Fully sealed



### Step 11 – Install Interior Grille

1. Align the interior grille
2. Secure the grille using the provided screws
  - Use drywall anchors if necessary.
3. Seal around the exterior perimeter of the grille
  - Wipe smooth for a clean finish
4. Confirm the grille is:
  - Oriented correctly (fins down)
  - Secure



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### Final Inspection Checklist

- ☐ Exterior flange fully sealed
- ☐ Air path unobstructed