

Installation Instructions

Small Chase

Tools Required:

- Drill (cordless is best)
- ¼" Magnetic Bit
- Phillips #2 Bit
- 9/16" Socket and Driver
- 4' Level
- Tape Measure
- Caulking Gun
- 1 Tube Silicone Caulk
- 6 – 1 ½" Drywall Screws to hold rails temporarily
- Marker/Pencil
- Stepladder
- Fiberglass insulation

Contents: 3 Boxes in each kit

Box 1 of 2

- Chase Floor
- Upper Back Wall
- Lower Back Wall

Box 2 of 2

- Left Side Wall
- Right Side Wall
- Left Side Wall Support
- Right Side Wall Support
- Bottom Pan of Chase
- Polystyrene Insulation
- 2 pc. 1 7/8" x 1 7/8" x 4' to be used in Wall Supports

Roof Assembly Box

- Gable or Shed Roof
- Insulated Ceiling
- Bag of Hardware to include:
 - 108 – 1/4" Self -Drilling Screw
 - 8 – 3/8" x 3" Lag Bolts
 - 4 – 3 ½" Shingle Nails to be used as Floor Location Pins

NOTE: Before you start, open all boxes to check conditions of roof and wall panels. Check hardware pack for proper amount of screws.

CAUTION: DO NOT DROP BOXES ON ENDS OR EDGES AS DAMAGE MAY OCCUR

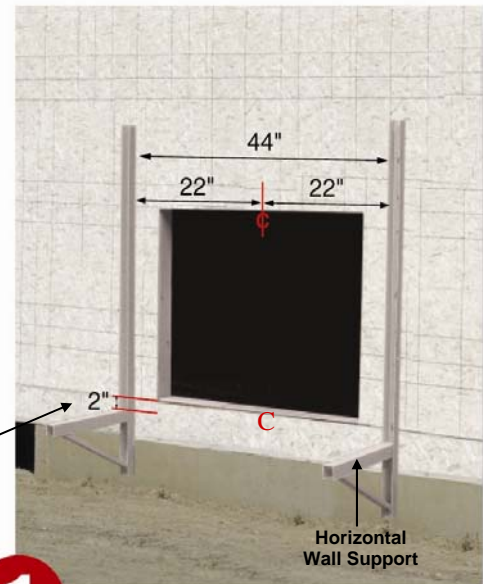
Assuming all the prep work has been completed, i.e. removal of siding from outside wall and wall has been framed for fireplace opening with proper wall studs and header system, you may begin chase assembly and installation of fireplace.

**Please read all instructions before you begin. Actual assembly time could exceed 10 minutes.*

STEP #1

LAYOUT – The Most Important Step for Chase Assembly is Layout (Refer to Diagram #1)

- Always work from the center point of the fireplace frame opening. Determine the center point of chase. It will be best to make center point where the floor of the chase meets the opening of the 'level' framing.
- Measure horizontally 22" to the right and left of center point.
- Using your 4' level, draw a vertical line at the end of each of these marks. You should have 44" between these marks.
- Horizontal and vertical lines must be at 90° angle to each other.
- Determine where the floor of the fireplace shall be and measure down 2 inches from that point. The top of your horizontal portion of wall support should match that line.
- Install right and left wall supports to correspond with your lay out marks. (*Note: it is easier to use drywall screws to temporarily fasten rails to the wall.*) Rails should be anchored to stud framing in walls.
- Check to be sure that rails are plum and square
- Install locating pins in support rails to support floor in place. (See Diagram #1a)



1 Install support rails.



STEP #2

INSTALLING SIDEWALLS (Refer to Diagram #2)

- Install right and left sidewalls (*Note: do not screw the walls in place – we are just confirming measurements.*)
- Place the floor of the chase on locating pins. Floor will only line up with pins when installed correctly.
- Once it has been confirmed that the walls are plumb and square and the top of the floor of the chase lines up with the framed opening, it is time to move to the next step. (*Note: above confirmation can be done by placing a 4' level across the top edge of the right and left wall. Level should read perfect.*)
- Measure the distance of right and left walls, outside to outside – this should be 48".
- After all confirmations have been made, disassemble floor and sidewalls. Do not remove rails yet.
- Use a marker or pencil and mark the four 3/8" lag bolt holes so rails can be reinstalled exactly as they were. Helpful Hint – if everything lined up the first time, you may be able to line up rails in the original screw holes from drywall screws.
- Remove wall supports. Apply a generous seal of silicone or construction adhesive (not supplied) to the wall supports so it can be sealed to the wall.
- Install wall supports, as originally done with drywall screws and the addition of 3/8" x 3" lag bolts. Use 1/4" drill bit to set pilot holes for lag bolts.
- Install 1 7/8" x 1 7/8" x 4' polystyrene insulation strip into wall supports.
- Install right and left side walls (be sure floor locating pins are still installed). Silicone chase wall flashing to the house.
- Use 1/4" self-drilling screws to secure side wall to support rails. Use 8 screws on the outside and 6 screws on the inside of each wall panel



2 Secure right and left side panels with flashing.

Chase wall flashing. Silicone behind flashing and seal to the house.

STEP #3

FLOOR INSTALLATION (Refer to Diagram #3)

- Apply silicone or construction adhesive (not supplied) between chase floor and house.
- Install chase floor. The gas and electric holes in the floor will be closest to the fireplace opening. Floor will only line up with locating pins when installed correctly.
- From the bottom side of the floor, use 1 1/2" drywall screws to secure floor first to the house and then 1/4" self-drilling screws to the sidewalls. (*Note: When fastening the floor to the sidewalls, you MUST pre-drill holes before putting in the 1/4" screws.*)



3 Install floor.

STEP #4**FIREPLACE INSTALLATION** (Refer to Diagram #4)

- Position fireplace in opening. Check to be sure fireplace is properly installed to wood framing and that all manufacturers' installation instructions are followed.
- Install gas & electric. Check local codes to ensure proper wire and wire restraints are used. (*Note: Gas & electric can be installed through the collar of the house and up through the access ports provided in the chase floor and into the fireplace.*)

**4**

Position fireplace unit. Ports provided for gas and electric.

STEP #5**LOWER BACK WALL** (Refer to Diagram #5)

- **Note:** All adjoining chase walls have a gasket type seal strip (Use caution so seal strip remains in place)
- Install lower back wall. (Refer diagram #4) Secure lower back wall in place with ¼" self-drilling screws. (*Note: you may want to install silicone on any accessible seams on the inside of chase at this time.*)
- Install the two piece bottom pan in the bottom of chase and screw in place through the walls of the lower chase and into the pan.
- **Note:** In cold climate areas fill this void with fiberglass insulation ~ not provided

**5**

Install lower back panel.

STEP #6**UPPER BACK WALL** (Refer to Diagram #6)

- Measure from the floor of the fireplace to the center of the vent – assuming all lay out was from the center of framed opening and center of the chase.
- Cut hole for vent to correspond with vent location of the fireplace. The stitch cutting on inner wall will make an easy access for venting. (*Note: Wall thimble may need to be cut short for our 2" thick chase wall.*)
- Once vent location has been determined and cut into back wall, silicone and screw both halves of the wall thimble in place.
- Install upper back wall and secure the upper back wall with ¼" self-drilling screws.
- With the use of a stepladder, from the top of the chase, reach down and install the vent pipe. At this time install silicone on all accessible seams of chase.
- Once vent is installed, use proper termination system.

If installing Extension Kit, refer to those directions at this time.

**6**

Measure for flue outlet and cut hole to accommodate venting for specific fireplace and install back panel.

STEP #7**INSULATED CEILING & ROOF** (Refer to Diagram #7)

- Install the insulated ceiling by lowering it metal side down into the top of the chase.
- Install chase roof. It is recommended to install bates of fiberglass insulation for sound barrier (insulation not provided). Secure roof with self-drilling screws on outside corners. Use silicone to seal chase flashing to house and roofing nails to fasten flashing to the house.
- Install ¼" screws in remaining holes.

Chase is now complete. Siding or brick may be brought over flashing to the chase.

Chase does not require siding but siding may be applied in the same manner you would in normal building construction with the exception of ¼" self-drilling screws in place of siding nails. Shingles may be installed using ¼" self-drilling screws as well.

**7**

Install insulated ceiling panel and pitch roof assembly.