

Harmony Fire Door Frame Installation Instructions

1. Verify Rough Opening and Door Pre-Fit Conditions

1. Rough opening is nominal door width plus 2" for 3/4" jamb thickness
2. Rough opening is nominal door height plus 1"
3. For other jamb thicknesses, verify rough opening with jamb supplier.
4. Doors are required to be pre-fit in width by 3/16", beveled one or two edges and undercut to meet requirements of floor conditions and door manufacturer's procedures for fire rating.

2. Verify Parts Contained

1. Jamb Set Header (1)
2. Jamb Set Hinge Jamb (1) or (2 for pair jambs)
3. Jamb Set Strike Jamb (1) or (none for pair jambs)
4. Jamb Door Side L Mounting Brackets (6) or (8 for jambs over 7'6" high)
5. Header Door Side L Mounting Brackets (1) or (3 for jambs over 4'0" wide)
6. Saddle Bracket for Back Side Adjustable Mounting Plate (6) or (8 for jambs over 7'6" high)
7. Saddle Bracket for Back Side Adjustable Mounting Plate (1) or (3 for jambs over 4'0" wide)
8. Angle Bracket (6) or (8 for jambs over 7'6" high)
9. Angle Bracket (1) or (3 for jambs over 4'0" wide)
10. #6 x 5/8" Pan Head Wood Screws (35) –
additional screws included for doors over 7'-6" high, 4'-0" wide



1. Jamb Set Header



2. Jamb Set Hinge Jamb



3. Jamb Set Strike Jamb



4. Jamb Door Side L Mounting Brackets



5. Header Door Side L Mounting Brackets



6. & 7. Saddle Brackets



8. & 9. Angle Brackets



10. Pan Head Wood Screw

3. Determine Door Swing and Lay Out Jamb Pieces Accordingly

Lay jambs on floor toward direction of door swing. Place jambs flat with hardware preparations facing each other.



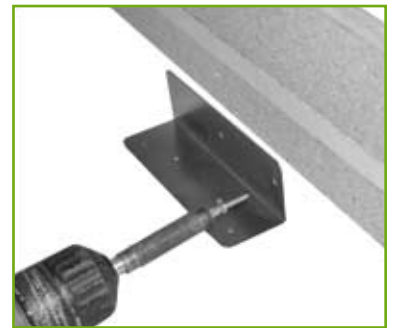
4. Assemble Jamb Parts

Attach header to jamb legs using #8 x 2" wood screws. Make sure header rabbet is aligned to match jamb rabbets.



5. Attach Door Side L Brackets

Attach large L brackets at each hinge location at pre-drilled holes on strike jamb and on header. Use #6 x 5/8" screws provided.



6. Attach Saddle Brackets

Attach saddle brackets using pre-drilled pilot hole with #6 x 5/8" screws provided.



7. Place Jamb Assembly into Rough Opening

Raise completed jamb assembly into opening with L brackets flush to wall surface.



8. Plumb Jamb Parts and Fasten Door Side

Place a level on the header to determine the level dimension. Shim the hinge or strike jamb accordingly to level the header. Plumb the hinge jamb and fasten to the wall through the L brackets. Plumb the strike jamb using a spreader at the bottom and middle of the jamb to ensure uniform jamb width. Fasten the strike jamb and header to the wall through the L brackets.



9. Insert Angle Brackets

Slide angle brackets into saddle brackets on jamb and fasten to wall. Maintain even jamb dimensions using spreader bar.



10. Drill Pilot Holes in Hinge Locations

Using hinges (provided by others), drill pilot holes through the jamb material and the angle brackets. A Vix #12 bit is recommended to ensure proper alignment and hole diameter.



11. Hang Door in Opening

Apply hinges to door and/or frame and hang door in opening. Verify that the door swings freely without bind, and that all margins are uniform. Brackets can be relocated if necessary to compensate for uneven gaps.



12. Apply Casing and Hardware

Attach casing to jamb and wall. Install remainder of hardware as required.

13. Finishing

Field finished frames, including primed frames, must be sanded prior to finishing. Hand block or power sand all surfaces with the grain to remove any grain raise or handling marks. Remove any adhesives, debris, or other jobsite materials using proper solvents that will not affect the final appearance of the wood grain. Field finisher to determine the proper grit sandpaper required and the duration of face preparation necessary to make the appearance of the frames acceptable to the owner. Do not continue finishing if problems arise.

If applying a dark stain to a light wood, thorough initial sanding is even more important to prevent blotchiness and to reduce the appearance of a “barber pole” effect. Do not use steel wool on oak veneers.

Apply stain and/or sealers according to the instructions provided with those products. Work in small enough areas to prevent solvents from evaporating too rapidly. Evaporation of solvents before fillers and wiping stains can be worked into the veneer may cause streaking and/or blotching.

Apply additional coats of stain to attain desired color, sanding lightly between coats. Apply top coat of protective sealer with gloss characteristics matching the owner’s specifications.

