

**IMPORTANT:** Thoroughly read all instructions before beginning installation.

## Inspect Frame Components

1. Unpackage all frame pieces and check for correct size and condition of components. Measure the new frame and door to make sure everything is the correct size. Contact distributor if you have any questions.
2. Check the rough opening to confirm the frame will fit the opening.
3. Check rough opening for square in corners using a framing square.

## Locate Anchor Hole Locations

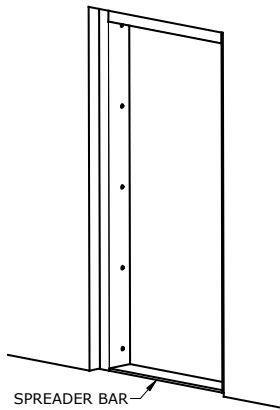
1. Frame anchor holes need to be drilled beneath the door stops. Mark location of applied stops on each frame piece before removing. Identify and mark which frame piece the applied stop was removed from. (*Fig. A*)
2. Remove applied door stops from frames. Set aside, they will be reapplied later.
3. Remove screws from top of corner bracket and set aside. Do not remove bracket from jamb.
4. Slip header over both vertical frame jamb corner brackets.
5. Slide frame into rough opening.
6. Mark anchor hole locations. Recommend jamb locations to be within 4" of jamb ends, 24" maximum spacing between anchor points. Avoid door stop screw locations. (*Fig. B*)
7. Recommend using a minimum of 2 anchors in the header, located 3" from the end to avoid corner bracket with a maximum spacing of 24". Avoid door stop screw locations. (*Fig. B*)

## Drill Mounting Holes

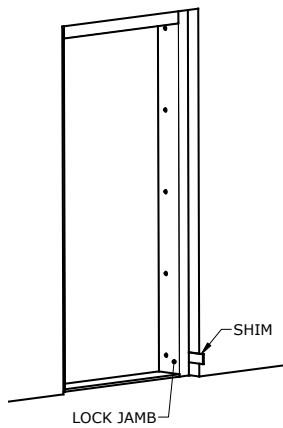
1. Remove frame from opening and separate components.
2. Drill through holes for anchors. Make sure drill is perpendicular to the frame. Through holes should be 1/16" larger diameter than screw shank. (*Fig. C*)
3. Enlarge hole under door stop to allow access for screw head and screw driver at all anchor locations.

## Assembly of Frame

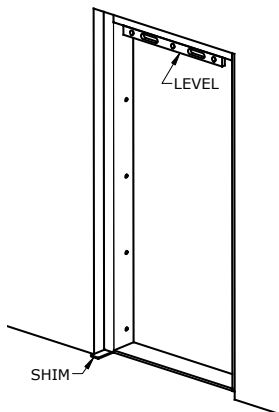
1. Before assembly of frame, caulk all four sides of corner bracket where it is attached to the vertical jamb. (*Fig. D*)
2. Slide header over jamb corner brackets and reinstall screws, hand tighten. Do not over tighten. (*Fig. E*)
3. Remove excess caulk.



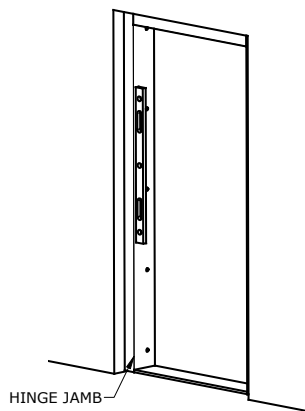
**F**



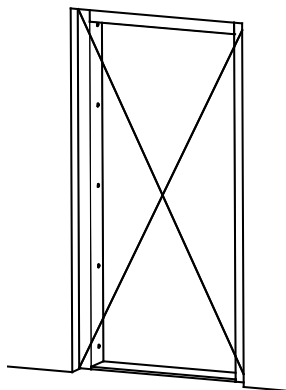
**G**



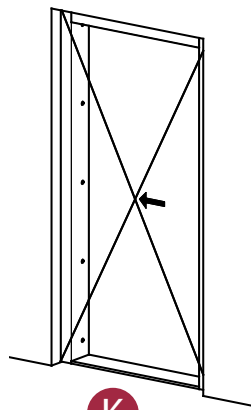
**H**



**I**



**J**



**K**

## Installing Frame Into Wall

1. Determine location of frame in opening width. Reference architectural drawings for required placement. Set frame in determined location and snap a chalk line along the door hinge side to help determine the frame location on the face side.
2. Locate frame in opening.
3. Install setting spreader bar (set at correct width) at the bottom of the frame using wood spreader bar or PLS (Plumb – Level – Square) tool. (**Fig. F**)
4. Shim bottom of frame on the lock side to keep hinge side tight to wall. If gap is greater than 1/4", add shims to opposite (hinge) jamb to reduce gap. Use shims to tighten frame to spreader bar width, make sure frame is snug against the spreader bar. This prevents twist in the frame. (**Fig. G**)
5. Tip: Use tapered shims between anchors and wall (above the holes for bolts) and spreader bar to maintain squareness and alignment of frame, and to maintain door opening sizes.
6. Level the header, if not level, shim under bottom of frame. (**Fig. H**)
7. Align hinge jamb to the chalk line and confirm level and plumb of hinge jamb. (**Fig. I**) Anchor hinge jamb to wall. Drill appropriate size and depth holes (per fastener manufacturer's instructions) for one-piece anchor bolts. Drilling and anchoring each anchor one at a time is recommended. Insert anchor bolt into hinge jamb starting with the bottom bolt and tighten securely following bolt manufacturer's recommended torque. Install top bolt in the hinge jamb next, checking frame alignment before installing. Install balance of bolts on the hinge side, checking for frame alignment as each bolt is secured.
8. Tape string (tape string to face of frame in opposite corners running diagonally) to check alignment of frame. Keep in mind you may need to move one string from inside to the outside to ensure correct alignment. **Helpful Hint: keep strings on frame until the frame is completely anchored.** (**Fig. J & K**)
9. Check alignment of frame with cross strings.
10. Plumb and square the strike jamb, and shim if necessary. Shims used should be located immediately above the anchor points.
11. Anchor strike jamb (other hinge jamb on paired application) to wall, install bolts in the same sequence as previous jamb, check center of frame for correct width before installing center bolts. Shim as necessary to maintain correct opening width.
12. Check to see if shims are required between header and wall. Remember to place shims above anchor point.
13. Anchor head in the same way as jambs.
14. Reapply door stops that were removed in step 2 of "Locate Anchor Hole Locations."

## Seal Frame

1. Apply caulk along frame edges.
2. If threshold is required, set threshold in caulk to prevent leakage. Shim threshold if necessary.

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