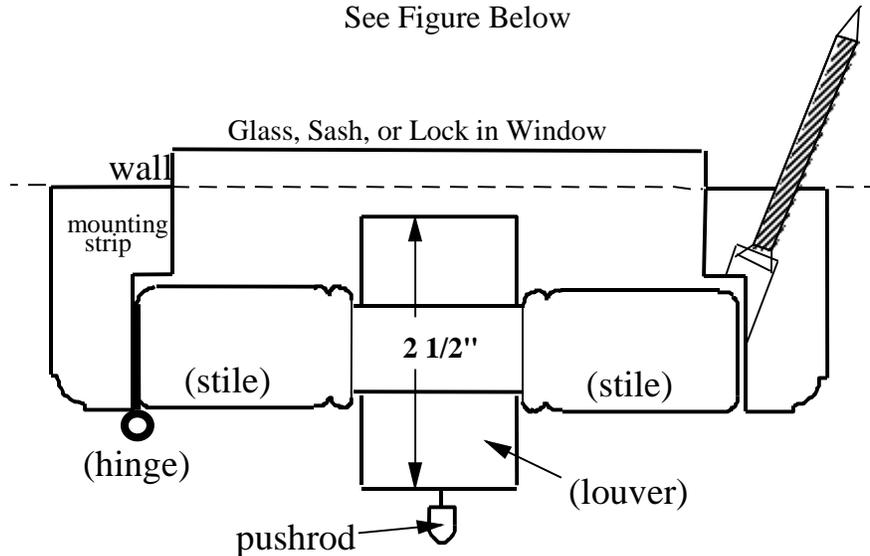


## Custom Shutter Installation Instructions for Custom Outside L-Framed Mount

Using rounded L-strip to create a café, 3- or 4-sided frame mounted on trim or on wall surface.  
See Figure Below



This set of installation instructions is general in nature and should not be expected to answer all questions that may arise during an outside mount installation of Plantation Shutters. This type of mount is detailed, and you should read and follow these instructions carefully, guided by good common sense in identifying steps in your project that do not match these general instructions.

### Tools needed:

Phillips screwdriver (power screwdriver recommended)

### General parts list:

Shutter panels in correct sizes and numbers to fill the opening

L-Frames pre-cut/mitered and pre-hinged (pins pulled) to shutter panels

Drywall screws for L-Frames (~2 1/4" long)

Hoffman Keys for miter-cut corners

Inner-Panel Hinges pre-attached with pins pulled

Magnetic Catches, 1 per shutter panel

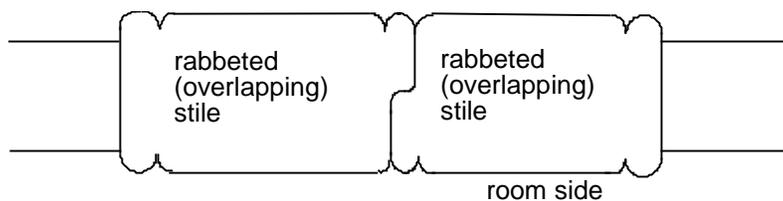
Touch-up paint (when appropriate)

## **Toll-Free Customer Service: 1-800-944-1021**

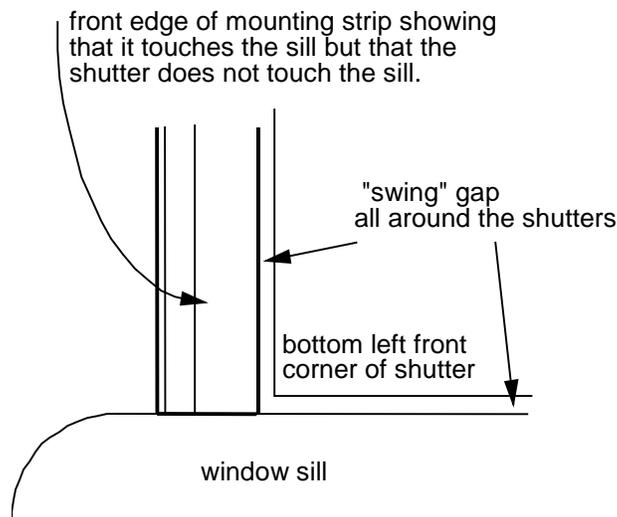
Before beginning, unpack the cartons and carefully check for shipping damage and to see that you have all the items needed for your installation. Based on the opening involved, you should receive 1 or more individual shutter panels, 2 side L-Frames, 1 top L-Frame (if NOT café style), 1 bottom L-Frame if 4 sided and 1 sill strip (3/4" x 3/4") for café or 3 sided, mounting screws (with holes pre-drilled in most cases), Hoffman Keys for miter-cut corners, pre-attached hinges with hinge pins pulled and magnetic catch sets. If the product is painted, a small bottle of touch-up paint may be included. If anything is missing, re-check the packaging. If it is still missing, or if the shipment sustained damage in transit, contact the above Customer Service number. NOTE: Normally the hardware (Hinge pins, Mounting Screws, Magnets & Instructions) will be a Ziploc bag and in 1 of the boxes with a sticker stating **HARDWARE ENCLOSED**.

Steps:

1. These shutters are “custom” built, meaning that just as identical window openings vary slightly in width and height, the custom shutters built for those windows also vary to the same degree. Sort through the shutter panels in your order so that you know which panels combine to fit each window opening. On top of each shutter panel, unless Café Length which will then be on the bottom, will be marked with your acknowledgement number, and with the number of the item on the acknowledgement (item #1 = window opening #1) to help you pair the panels up.
2. Within each window grouping shutter panels will be exactly the same height. Arrange the panels so that the rabbeted edges (see figure below) overlap each other properly. When all panels, hinges and L-Frames are placed together properly in this type of "outside" mount, the total width of the set should be the same as was specified in your order. The finished height, either full length or café, with an 1/8" gap at the bottom and which has no top trim piece, should also be what you specified in your order.

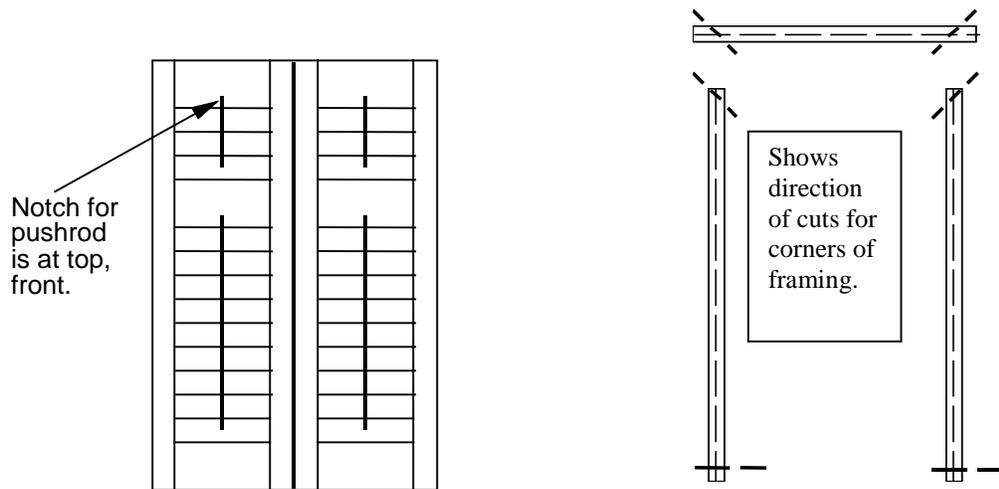


With a 3-sided L-Frame, the frame sits on (or just above) the sill and the shutter panels start ~1/8 inch above the sill so they can swing freely, as in this drawing...



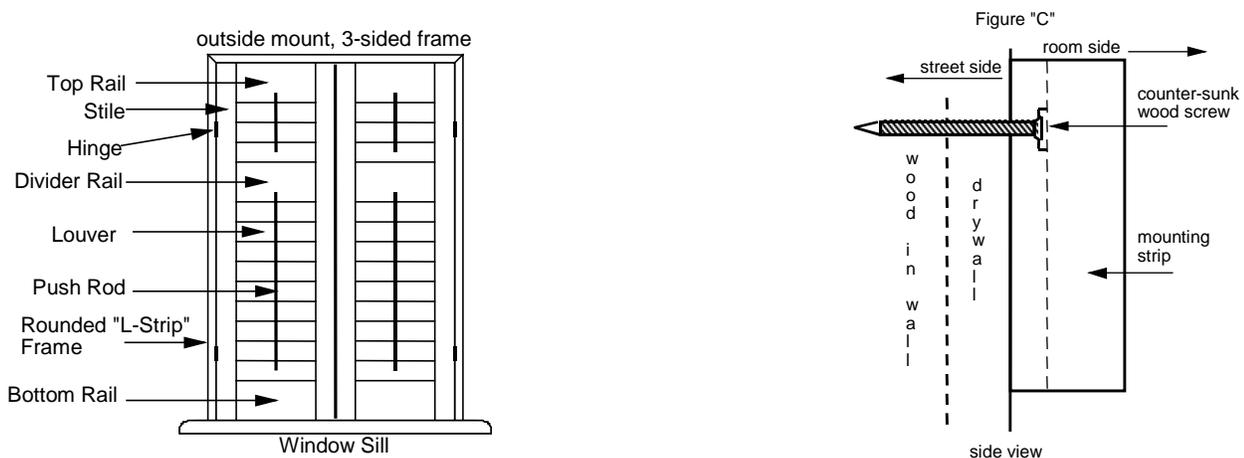
With a 4-sided L-Frame, a bottom L-Frame is attached below the window on the wall or on top of the trim. The effect is as if the shutter panels are completely surrounded by a “picture frame” made of the L-Frame. In this case all ends of all the L-Frames will be mitered cut at 45 degrees and Hoffman Keys used to attach the corners.

3. Install shutter panels with the ‘notch’ for the pushrod at the top. When installed, the pushrod faces the room. See figure next page, left.)



4. Each piece of the mounting L-Frame is precisely cut. For 3-sided L-Frame see the figure above, right. The 2 side L-Frames are “square” cut at the bottom, and “miter” cut (45 degrees) at the top. The top L-Frame is miter cut on both ends. (Note: Café style, covering the lower part of the window only, has NO TOP L-Frame piece, and the side L-Frames are square cut only, top and bottom.) If your original measurements on the order were accurate, these frames should not require adjustment or modification.

5. On a flat surface and with the frame laid out ‘back side up’ assemble the 3- or 4- sided frame with the included Hoffman Keys at each miter cut. Be careful not to put undue strain on the corners of the frame as you handle it. Turn the frame over and attach the panels with the hinge pins to make sure that everything looks good before mounting. NOTE: The hinges are installed at the factory, and you will need to simply put the hinge pins back in the hinge after lining up the 2 parts of the hinge. If your window opening contains more than 2 shutter panels, the “inner-panel” hinges were also installed at the factory. In like manner, line up the 2 parts of the hinge that are still attached to the shutter and the L-Frame and place the pins in the hinges.

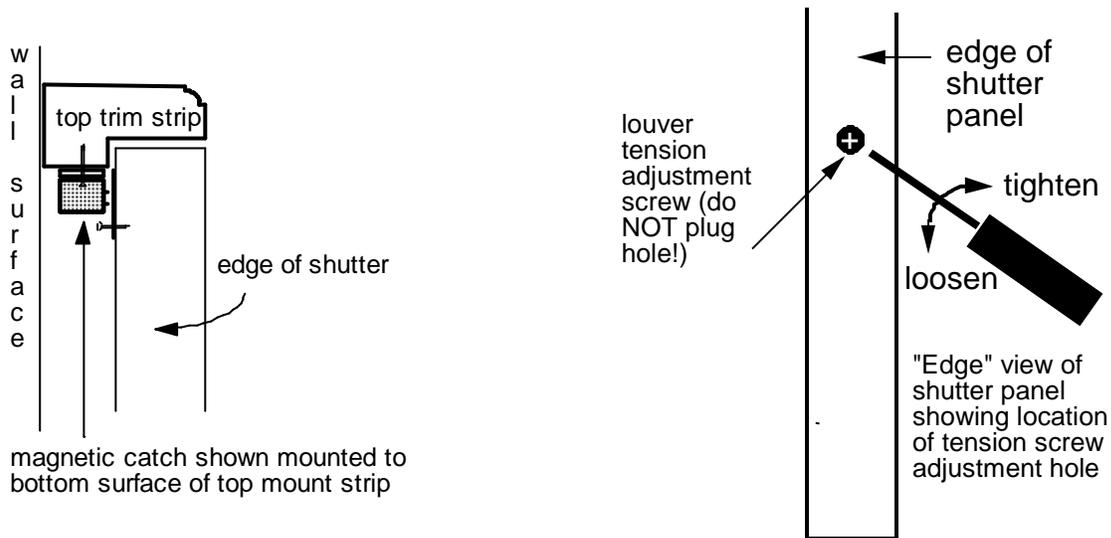


6. The provided drywall screws should be used to attaché the framing pieces to your wall or trim. Walls made of other types of material (brick, cement, metal, etc.) will require other types of screws or fasteners.

**Please Note:** Screws must be firmly set, and must anchor in wood or other structural material. **DRYWALL (SHEETROCK) AND PANELING WILL NOT SUPPLY ADEQUATE STRENGTH IN MOUNTING, AND PRESENT A DANGER OF INJURY AND/OR DAMAGE.** Your mounting strip must be attached to wood, or through drywall into wood or other secure material.

7. Remove the hinge pins. Then take the café, 3- or 4-sided frame and align it on your wall or trim making sure that it is straight up and down and attach it with the included 2 1/4" wood screws, see drawing on previous page right side. The factory will have pre-drilled the countersink holes at an appropriate angle, see drawing at the top of the first page. Do not use excessive force in tightening the mounting screws because this could split the wood. Once firmly attached, replace the hinge pins. Carefully swing the shutter open to check for alignment problems in relation to the sill. It may be necessary (when window opening is out-of-square or off level) to adjust the Frames up or down, in or out to achieve even clearance at the bottom and shutters that are in a flat plane.

8. The magnets will be mounted at the top immediately behind the shutter panels on the edge of the top trim piece that faces down. (With Café style, mount magnets on sill.) With the left shutter panel open on it's hinges, position a magnetic catch immediately behind the "stile" of the right panel. Using the 2 matching screws provided, attach the magnet to the top trim strip. Magnetically stick the strike plate to the magnet with the 2 tiny "points" facing the room, then gently press the shutter panel against the strike plate to make marks in the wood of the shutter "stile". Using those marks as your placement guide, attach the strike plate to the back of the "stile" with the smallest screw provided (see figure below, left). Using the same procedure, attach any other magnetic catches that are appropriate to your installation.



9. Use the touch-up paint (included if the shutters were painted at the factory) on any areas which were marred during the project.

10. All shutter panels come with "tension" screws deeply counter-sunk in each vertical edge. By simply turning the screw a little clockwise or counter-clockwise with your Phillips head screw driver, you can gently tighten or loosen the louver/pushrod tension in each individual panel to suit your preferences. When adjusting the tension, always spread the amount of adjustment evenly between all screws in BOTH edges of the individual panel (see figure above, right).