

# FLUSH MOUNT INSTALLATION MANUAL



THE  
**MURPHY**  
**DOOR**<sup>TM</sup>

— CREATIVE DOORWAY SOLUTIONS —



Scan code to launch installation video

This is a DIY (Do It Yourself) project. You should have a basic understanding of assembly procedures, as well as experience and confidence in your ability to perform the steps in these instructions. If this is not the case, we recommend contacting a professional contractor for assistance.

## REQUIRED TOOLS & HARDWARE

### TOOLS (NOT INCLUDED)

- Measuring Tape
- Level
- Drill or Drill Driver
- 3/4" Forstner Drill Bit
- Counter Sink Bit #2
- 1/8" Drill Bit

The use of a compressor and brad nailer is helpful but not necessary. They may be used to help hold the pieces of the door jamb in place while installing the required screws.

### HARDWARE (INCLUDED)



- 1) Lower Pivot Hinge
- 2) Bottom Hinge
- 3) Upper Jamb Hinge
- 4) Top Hinge
- 5) Hinge Pin
- 6) 4 1/2" Screws
- 7) 1" Screws
- 8) 1/2" Screws
- 9) Door Catch
- 10) L Shaped Bracket
- 11) Nuts (2)
- 12) Bolt (1)

### HINGE IDENTIFICATION AND PLACEMENT



#### Hinge A - Lower Pivot Hinge

This will be used on the bottom of your bookcase door.

#### Hinge B - Bottom Bookcase Hinge

This will be used on the threshold or floor of your project.

#### Hinge C - Upper Jamb Hinge

This will be used on the upper jamb of the bookcase.

#### Hinge D - Top Bookcase Hinge

This will be used on the top of your bookcase door.

## STEP 1

Lay door on a flat surface on its back, shelves facing upward.

The top of the door can be identified by the 2 half-inch pre-drilled holes.

The placement of the hinges will determine whether the door will be a right or left swing, as well as determining in-swing or out-swing.

(Take note of the 10 pre-drilled dimples on the four corners of the door)

## STEP 2

For a left hand out-swing, place the male half of the lower flush mount hinge at the upper part of the base of the door in this position using the 6 dimples shown for screw placement.



The female side (the half with the welded bearing) will be installed later on the threshold directly below this male half.

For a left hand in-swing, place the male half of the hinge in this position on the bottom left corner of the door using the 4 dimples as shown.





For an out-swing, the 6 pre-drilled dimples on the upper part of the base of the door are used. For an in-swing, the 4 pre-drilled dimples on the lower part of the base of the door are used.

For a right hand out-swing or in-swing, use the corresponding pre-drilled dimples on the right side of the base of the door. The 1 inch screws that are supplied with the hinge will be used to attach all of the hinge hardware to their appropriate place on the door and will also be used later to attach the other half of each hinge to the door jamb.

Next the bottom half of the upper hinge will be installed on the top of the door opposite of the male side that was just installed. Examine the two pieces of the upper hinge. Notice that one of the pieces has two notches on one side. The hinge piece with only one notch on both sides is the one that will be installed on the top side of the door directly centered with the pre-drilled hole on the top of the door. Remember to install with the chamfered side facing up.



For an out-swing door, align the larger hole with the predrilled hole in the door and use the 1" screws to secure the hinge, aligning it with the 6 pre drilled dimples.

For an in-swing, the hinge will hang off of the side of the door and the screw holes will line up with the other 4 pre-drilled dimples.

Use the 1 inch screws to attach the hinge in the in-swing or out-swing position as desired.

### STEP 3 - Installing the Door Catch

Hardware needed for the door catch: L shaped bracket, 2 nuts, 1 bolt, 4 ½" screws





The door catch is always installed on the opposite side of the door from the hinge.

To begin, make a pencil mark 1" from the bottom of the door on the opposite side from the hinge.

Measure 2 ½" from the back of the doors face frame and make another mark.

Place the door catch square between the two marks you made and secure using the 4 ½" screws.



## STEP 4 - Door Jamb

Use the included pre-drilled template to mark the holes that need to be drilled in the threshold pieces.

Place the bottom left-hand corner of the pre-drilled template flush with the bottom left hand corner of the bottom threshold piece.



Drill the designated holes for an in-swing or out-swing configuration, but do not drill the large hole on templates out-swing pattern into the bottom threshold. This large hole will only be drilled on the top threshold piece.



After drilling the appropriate holes for in-swing or out-swing, flip the template up so that the top left corner of the template lines up with the top lefthand corner of the top threshold piece.

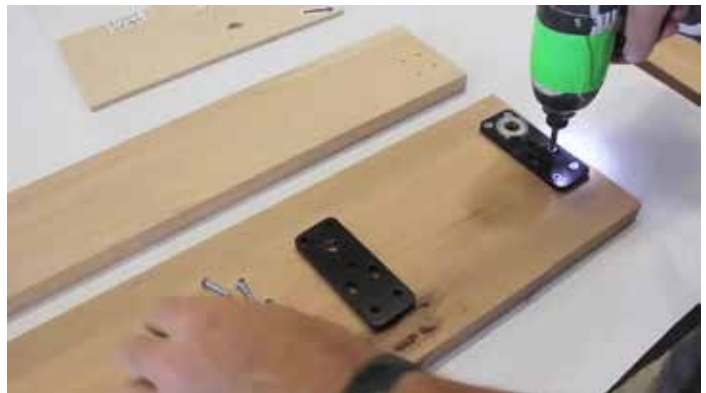


If installing an out-swing door, you will drill the large hole also.

For either in-swing or out-swing, 6 small holes will be marked in the bottom threshold.

On the top threshold, 4 small holes will be marked for an in-swing and 4 small holes plus 1 large hole for an out-swing.

Attach the female lower flush mount hinge to the bottom threshold using 6 - 1" screws.



Attach the upper flush mount hinge to the top threshold using 4 - 1" screws. Chamfered sides should be facing up.





## STEP 5 - Construct the Door Jamb

The bottom threshold piece is 7" wide and the top and the side pieces are 4 ½" wide. Starting with the bottom threshold and a left or right side piece, place the two pieces on a flat work surface. In this position the jamb will be lying on its front side and will be flush while the back side will have the wider threshold extending past the rest of the jamb.



If a brad nailer is available, apply the wood glue sparingly to the first corner and use the brad nails to hold the threshold in position while you pre-drill and countersink the holes for the screws.

If no brad nailer is available, apply the glue and make sure that you are holding the corner in place securely while pre-drilling, countersinking and installing screws. Repeat the process for all four corners of the door jamb.





Place the door jamb into the rough opening. Be sure that the bottom threshold extends into the room, toward the back of the book shelf. (It is critical that the bottom threshold is level, as well as both sides of the door jamb. If the jamb is not level and plumb the door will not swing and close properly). Using the  $\frac{1}{8}$ " drill bit, pre-drill and countersink 3 holes into both sides of the door jamb - one six inches from the top of the jamb, one six inches from the bottom of the jamb, and one in the middle.



If you are installing a flush mount out-swing door, the non-hinge side of the jamb will be visible when the door is in the opened position. As such it is preferable to attach the jamb directly to the rough opening on that side. You will need to check to be sure that it is very level and if it is not it will be necessary to use shims.



If installing a flush mount in-swing door, check both sides of your rough opening and start with the side that is the most level. Using the supplied screws, secure door jamb to opening. Use shims if necessary to keep the jamb level and plumb.

Once the jamb is secured in the rough opening, use the level again to be sure that the jamb is level and plumb. This will insure that when installed, the door will operate properly.

Place the door into the door jamb. The short metal pin attached to the hinge on the bottom of the door will be inserted into the silver thrust bearing that is on the bottom threshold of the door jamb. Make sure the bottom hinge sits in the silver thrust bearing.



For an in-swing, align the holes of the top hinge and drop the hinge pin into the holes making sure that the horizontal pin on the top of the hinge pin rests inside the notch on the top of the hinge plate.



When installing an out-swing door, it will be necessary to push the pin in from the inside of the door through the pre-drilled hole in the top of the door. To do this, align the two halves of the hinge by inserting the pin through the first hole and turning the pin counter clockwise one half turn. Gently move the door while pushing on the pin to find the second hole. Once the pin has been inserted into both sides of the hinge, rotate clockwise one quarter turn while pulling down on the pin until you feel it drop into the small notch in the top of the upper hinge. (The use of needle nose pliers may be helpful)



Next, install the trim on the front side of the top of the door jamb, making sure that it is level and centered evenly over the door. Attach it using a brad nailer. If you do not have a brad nailer, use a hammer and small finishing nails to attach the trim. The use of a small center punch will help conceal the finish nails. Install the two side pieces in the same manner.





Once the door has been completely installed, you can add the final piece of hardware for the door, the White Poly Catch Point.

With the door in its fully closed position, place the Poly Wedge underneath the Door Catch Bolt, with the Catch Bolt directly over the round pre drilled divot. Once the position has been located, remove the sticker from the back of the Poly Wedge and place it in its final position and secure it with the included screw.



**NOTE:** Make sure that the Poly Wedge is pointing in the right direction as to have the Catch Bolt slide up the Poly Wedge to its final resting position.

## **WARNING - DO NOT EXCEED THE WEIGHT LIMITS**

This weight limit is based on a statically loaded bookcase door that is secured in a standard wood framed door opening for a Flush Mount Door, or secured to the door header or studs on a Surface Mount Door. The jambs are designed to be built into a standard 2 X 4 wood framed doorway, and adequately secured in the rough opening.

**NOTE:** This installation is intended for a wood framed home, if your home is steel framed, stop the installation and call 888-458-5911.

Do not overload the Bookcase Door.  
Do not climb on or hang from the Bookcase Door.  
Routinely inspect the Murphy Door to ensure screws and hardware sets are seated properly.

**THESE WARNINGS DO NOT REPLACE YOUR SOUND JUDGEMENT AND DECISION MAKING. IF FOR ANY REASON YOU FEEL THE QUALITY OF YOUR DOORWAY STRUCTURE IS IN QUESTION, DISCONTINUE THE INSTALLATION PROCESS IMMEDIATELY.**

**DO NOT CONTACT THE RETAILER FOR QUESTIONS. CONTACT MURPHY DOOR DIRECTLY:**  
888-458-5911  
cs.dept@murphydoor.com

Use the Murphy Door wisely and enjoy your newfound space!