Flush-Mount Bookshelf Assembly

Hardware Installation Manual

The Murphy Door Flush-Mount Bookshelf was designed to install in the space normally occupied by a door. It is NOT designed to install in front of the existing door or to protrude into the room in front of the doorway.

In MOST cases no structural retrofitting of the door jamb is required. Although removal of existing door, jamb and casing is necessary. In addition, due to the variable thicknesses of molding as well as the inconsistency of plumb walls in most homes, casings and molding may need to be adjusted once installed for appearance and proper door function.

Successful installation requires reading this entire booklet before assembling and installing your new Murphy Door or its hardware. This will ensure quality and longevity of your new door system.

Every effort has been made to ensure that each piece is protected and comes to you undamaged. If you do have damaged components, PLEASE CONTACT US IMMEDIATELY!! 1-888-458-5911, to begin your freight claim. These are not easy to complete and tend to be very frustrating for the customer. Please keep in mind that these claims are the responsibility of the customer and are not compensated by Murphy Door Inc. but by the freight carriers that transport your door. Please have a list of all damaged products available when calling. Keep in mind sometimes it is easier and more cost effective for the customer to make the necessary repairs.
Inventory all Hardware

(Murphy Door Flush Mount Hardware Shown)

**PREPARATION**

This manual covers the build and assembly of the bookcase for DIY assembly of the bookcase as well as the installation of the door Hardware. Some tools listed will not be required for the install of the pre-built/ pre-hung bookcase doors.

**ASSEMBLE REQUIRED TOOLS**

- Drill/ Screw Gun
- Drill Bits- 3/32 and 5/8”
- Level
- Mitre Saw
- 3/8’ Rotor bit or round over
- Table Saw
- Brad Nailer
- Sandpaper
Build Your Door

Materials Required

30”–32” or 36” Door Material List

1- (1) - ¼” Plywood of choice for back of door
2- (1) - ¾” Plywood of choice for Side rails and Shelving
3- 100” of Door Casing of Choice
4- (1)- 1”x8” for Threshold (Length to be the same as door width)
5- 200” of 1”x6” Cut to 4.5” for jamb material, select same type of wood as your main bookcase
6- 120” of Shelf banding, (this is the wood tape type material that goes on the cut section of the shelf.) Or you can face frame each shelf if desired.
7- (1) - Pack of multiple grit sandpaper for paint or stain prep.
8- (1) - Pack of screws
9- (1) - Box of brad nails
10- (1) - can of stain or paint of choice

Cut List(s)

A- (2) Vertical Side rails for the bookcase
B- (1) Back Panel
C- (1) Threshold with front and back tapered or routed for smooth floor transition (optional)
D- 3 Door jamb components ¾”x4.5”
E- (3) Casing Pieces 1- top 2 sides. These will be located in different places for inswing and outswing applications.
F- (3) permanent shelves
G- (4) Adjustable Shelves
H- (3) shelf fronts (1) Top facing (1) Toe Kick (1) shelf apron
I- (1) Flush Mount Hardware kit.

(for exact sizes see cut sheet)
CHECK DOOR OPENING

Verify the door jamb in which you will be installing your Murphy Door for plumb and level. This is necessary to insure proper function of the door. If your wall is thicker than a standard 2x4 wall some modifications to the hinge placement may be necessary for proper function of the door. It is recommended that you build a template or trial door to test your variance prior to installing the hardware on your actual door.

HINGE IDENTIFICATION AND PLACEMENT

Please note that the Inswing and Outswing Hinge placements are different. Be sure you use the proper swing for your application to prevent any mistakes or frustrations during install.

Hinge Descriptions:

- **Hinge A - Lower Pivot Hinge**: This will be used on the threshold or the floor of your project.
- **Hinge C - Bottom of Door hinge**: This will be used on the bottom of your actual bookcase door.
- **Hinge D - Upper jamb hinge**: This will be used on the upper jamb of the bookcase.
- **Hinge B - Top of Bookcase hinge**: This will be used on the top of your bookcase door.

The new Murphy Door Flush Mount hinge system has made some vast improvements from some of the competition. We have changed from a washer style bearing system to a true bearing, which creates a smooth and maintenance free hinge system. With the upper slip pin we have incorporated a small key hole and lock system with very little tolerance. This is frustrating during install, but please be patient this pin will slide and lock, with this tight tolerance we have increased our dynamic torque load by 3x, as well as enabling the user to remove the door at any time if they choose without dealing with stripped out threads on your upper hinge from a pivot bolt style hinge.
Building an Outswing Door

Because there is such a variety of measurements and door sizes we have not issued a cut list for this type of door. All Door sizes should be calculated off rough opening of the existing door.

**Step 1:** Measure your existing door opening. Calculate width and height of your rough opening. Build your jamb ½” Narrower than your rough opening. We recommend using a lower threshold in all applications for ease of use but this is not necessary.

Step 2: These drawings displayed are for a 38”x82.5” ROUGH OPENING DOOR which is a 36”x80” Finished Bookcase.
Building Your Out Swing Door
Inswing Door

Because there is such a variety of measurements and door sizes we have not issued a cut list for this type of door. All Door sizes should be calculated off rough opening of the existing door.

**Step 1:** Measure your existing door opening. Calculate width and height of your rough opening. Build your jamb ½” Narrower than your rough opening. We recommend using a lower threshold in all applications for ease of use but this is not necessary.

**Step 2:** These drawings displayed are for a 38”x82.5” ROUGH OPENING DOOR which is a 36”x80” Finished Bookcase.
When setting your screws we recommend you set the slot screws first to allow you to adjust the plumb and level of your door. Once this is set fill the rest of the screw holes with the appropriate screws. When selecting your screws be cognizant of the length to insure you do not use the long screw in the incorrect holes, these long screws are for the bottom threshold and top jamb hinges.

Please keep in mind that these instructions are based on a 36”x80” finished opening, these doors can be built at any width up to a 36” recommended max width, and any height you desire. You may also choose to change the depth of your bookcase, when you choose to do this you will be required to recalculate your pivot points as well as the jamb and bookcase widths to allow the bookcase to pivot in the bookcase. We strongly recommend you build a sample or draw this out to insure minimal mistakes when completed. These new designs or drawings are NOT offered by Murphy Door.

If you have any questions or problems please feel free to contact us at 1-888-458-5911 and we will do the best we can to help you. If not please feel free to visit our website at www.murphydoor.com for further information.