



MURPHY DOOR[®]

Sliding Gallery Door



PLEASE READ INSTRUCTIONS FULLY BEFORE YOU BEGIN ASSEMBLY

Sliding Gallery Door Installation

Storage

If you are not installing door on receipt keep it standing level on its base or lay it flat. **DO NOT** lean it against a wall on its edge.

Before you start

- If you have the Mag-Lock kit for your door, read those instructions **FIRST**.
- The doors are heavy, handle with care. You will need to support the entire door when carrying and lifting the door. A minimum of two persons recommended.
- Murphy Door can not be responsible for dropped door damage
- Verify that you have all parts prior to starting the installation or hiring a contractor.

Finishing

- If you are finishing your door with paint or stain, it should be done within 10 days to seal the wood to minimize climate differences. Unfortunately, Murphy Door can not offer a warranty against sagging or warping on unfinished doors.
- Use care when applying. Keep pre-drilled holes free of excess paint or stain to make assembly easier.
- **DO NOT** use water-based paints. Commercial grade furniture paints and stains are required.
- Always do a sample test with your paint or stain. The sides of the jamb that will be placed against the wall are great places to test, as they will not be seen once the door is installed.
- Always follow the paint or stain instructions when applying to your door.

Framing

- Rough opening should be framed with 2" x 4" or 2" x 6" studs.
- If using metal studs, replace the included 3" screws with (8) 3" self-tapping screws.
- Make sure your studs are parallel - measure top, middle, and bottom of the jamb RO) and square by putting a square in all four corners. If they are not, your Murphy Door will not function properly and may appear bowed.

Threshold

- For best results install the door on a level surface. **DO NOT** install the bottom threshold over carpeting. Carpet will affect leveling and prevent proper function of the door.
- If you must shim the threshold, it is best to have a shim that is the width of the threshold and runs the entire length of space needed to shim.
- Make sure there is nothing along the floor in the movement path of the door that would impede its movement such as a flooring transition strip, rug, etc.

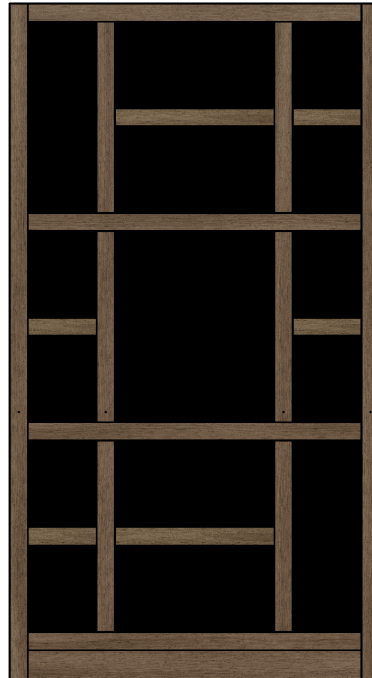
Surface Mounted Jamb

- **DO NOT** remove your existing jamb. The jamb, supporting structure, of this door will be installed on the surface of the wall, not inside of the rough opening.
- **DO NOT** over or under tighten jamb. When installing the jamb, you need to make sure it is shimmed properly. It should be level and square with the threshold and header. If the jamb is not square it may cause your door to function improperly or appear to sag.
- This door is designed to clear any baseboards, chair rail, or additional trim on the wall that is less than ¾" thick. If any element on the wall exceeds that, either additional panels will need to be installed behind the jamb to create sufficient clearance, or those elements will need to be removed.

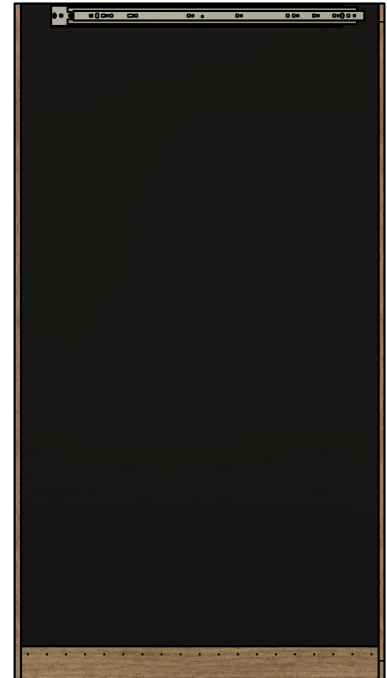
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Tools Needed

- Drill with Phillips head drive
- 3/8" Countersink Bit
- 1/8" Drill Bit
- 5/32" Drill Bit
- Stud Finder
- 36" Level
- Speed Square
- Door Shims



Door - Front View



Door - Back View



Top Jamb



Threshold



Linear Rail

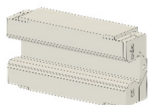


Opening Side Casing

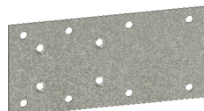


Closing Side Casing

(3) Gallery 5/16" Rail Brass Rod



Slider



Slider
Mounting Plate



(4) Confirmat Screw



(4) 8mm Dowel



1/4"x1"
Lag Screw



(18) #10x1-1/2" Pan
Head Wood Screw



(12) Gallery Rail
Thru Post



(12) #8-32
Hanger Bolt



(12) 18mm
Euro Screw



(8) #10x3/4"
Wood Screw



(15) 3" Lag Screw



(4) M5x10
Hex Cap Screw



(8) #10
Bevel Washer

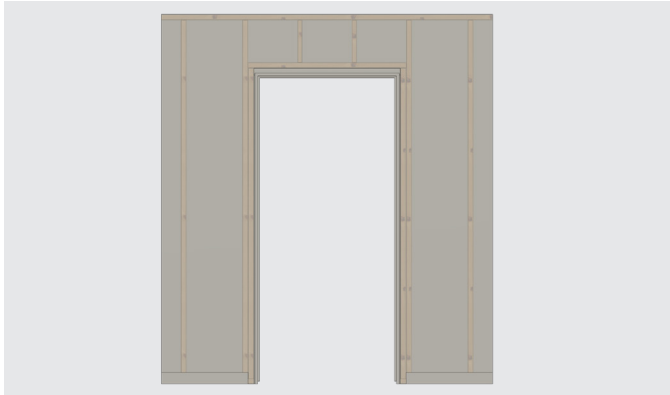


(12) #8-32x3/16"
Set Screw



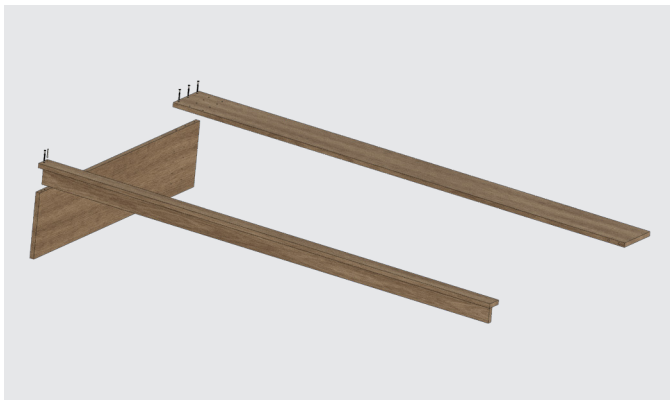
(18) Shelf Pin

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1. Remove the casing from the wall you plan to install your new Sliding Murphy Door. Using a stud finder, locate and mark the studs around your door jamb.

DO NOT remove the existing door jamb unless you plan to finish the rough opening. This door is a surface mounted jamb and does not install in the rough opening.



****SHOW ON A RIGHT SLIDING DOOR****

2. Determine your sliding direction. Orient your side casing and threshold accordingly with the thru holes aligned with their corresponding holes on the back edge of the threshold. Ensure the two side dowel holes are facing inward.

EX: If you want the door to slide to the right to open, then the "L" shaped closing side casing will attach to the threshold on the left. As show in the image.

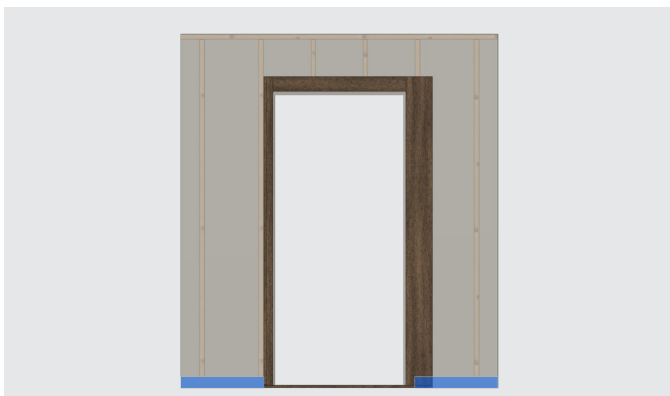
Attach the "L" shaped closing side casing using 1 confirmat screw in the outer-most hole, and the 5mm spring pin through the smaller inner-most hole.



3. Put a dab of wood glue in the holes in the ends of the top jamb and insert the 8mm dowels.

Orient the board so that the series of thru holes are closer to the top edge than the bottom.

Put a small amount of wood glue in the side holes at the top of the opening and closing side casings. Align the board so that the group of 4 holes are on the closing side and connect the pieces.



4. Place the surface jamb up to the wall so that the inner edges align with your existing jamb or finished opening. Mark the baseboards and trim them as needed.

Locate and mark all studs in the wall around and above the opening.

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5. Using a 36" or longer level, check the threshold to ensure it is level both left-to-right and front-to-back. Shim as necessary.

Note: if you must shim the threshold ensure it is supported across the width. Unsupported sections may prevent the door from functioning properly. Push the closing side casing against the wall and ensure that it is plumb front to back.

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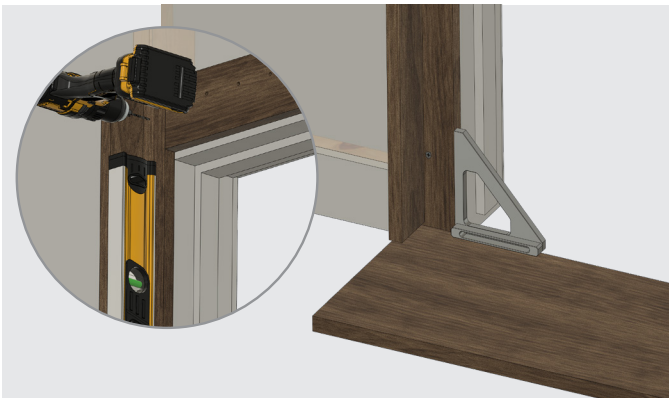
Note: If it is not possible to get the jamb plumb, it is better that the top of the surface jamb leans slightly forward. If the top is leaning backward, it may cause interference between the door and the jamb as it is closing



6. Ensure that the inner edge of the closing side jamb is plumb left-to-right and aligned with the inside edge of the existing jamb or finished opening .

Drill a pilot hole using a 1/8" drill bit near the bottom of the closing side casing ensuring that it aligns with a stud.

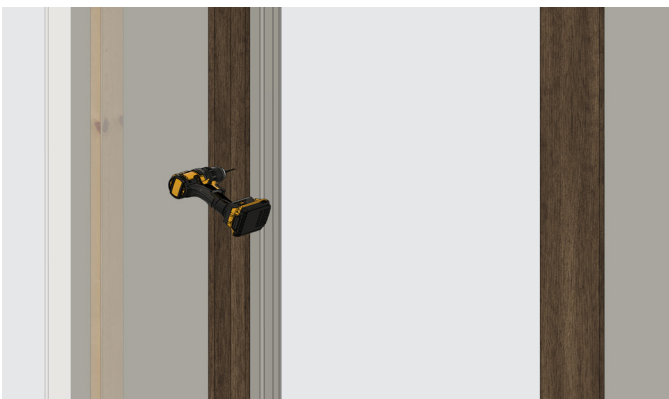
Secure the bottom closing side corner of the jamb using one of the provided 3" lag screws.



7. Using a square, ensure the threshold and closing side casing are square. Adjust as necessary.

Check that the closing side jamb is still plumb in all directions. Shim as necessary.

Once it has been verified that the closing side casing is plumb and square, drill a pilot hole near the top ensuring that it aligns with a stud. Secure using one of the 3" lag screws provided.



8. Using an 1/8" drill bit, drill a pilot hole near the center of the closing side casing, ensuring it aligns with a stud.

Secure using one of the 3" lag screws provided.

Ensure that the closing side casing remains plumb and square when securing the center. Shim as necessary.

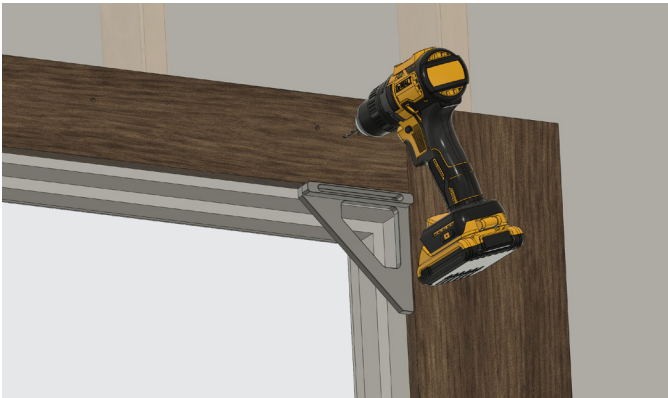
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9. Using a square, check that the top jamb is square to the closing side casing. Shim as necessary.

Use a 1/8" drill bit to drill a pilot hole in the top jamb near the closing side casing ensuring that it aligns with a stud.

Secure using one of the 3" lag screws provided, ensuring the top jamb remains square to the closing side casing.



10. Check that the top jamb is square to the opening side casing, that the opening side casing is plumb front to back, and that the threshold is level and square to the opening side casing. Shim as necessary.

NOTE: If it is not possible to get the opening side casing plumb, it is better that it has a slight forward lean.

Repeat at the other end of the top jamb, ensuring it remains square to the opening side jamb.

Using a 1/8" drill bit, drill a pilot hole in the top jamb near the opening side casing. Secure using one of the 3" lag screws provided.



11. Check that the opening side casing is still square to the threshold.

Use a 1/8" drill bit to drill a pilot hole in the opening side casing near the bottom ensuring it aligns with a stud.

Secure using one of the 3" lag screws provided.

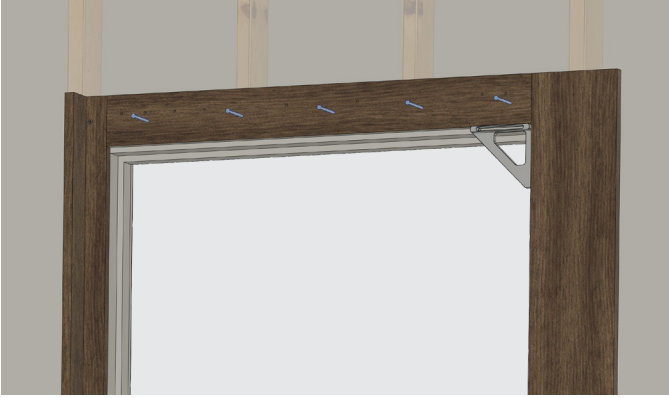


12. Verify that the opening side casing is still square to the top jamb, and is still plumb front-to-back.

Use a 1/8" drill bit to drill a pilot hole near the top of the opening side casing, ensuring it aligns with a stud.

Secure using one of the 3" lag screws provided.

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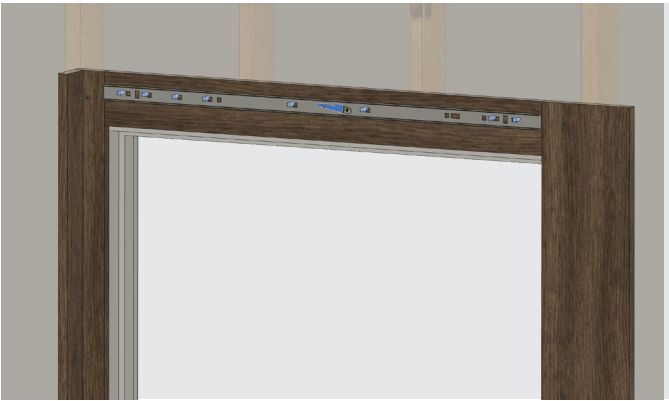


13. Using a 1/8" drill bit, drill 3 additional pilot holes in the opening side casing, evenly spaced between the top and bottom screws inserted in previous steps.

Ensure all holes align with a stud, and secure using three (3) of the 3" lag screws provided.

Using a 1/8" drill bit, drill 3 additional pilot holes in the top jamb, evenly spaced between the two (2) screws inserted in previous steps.

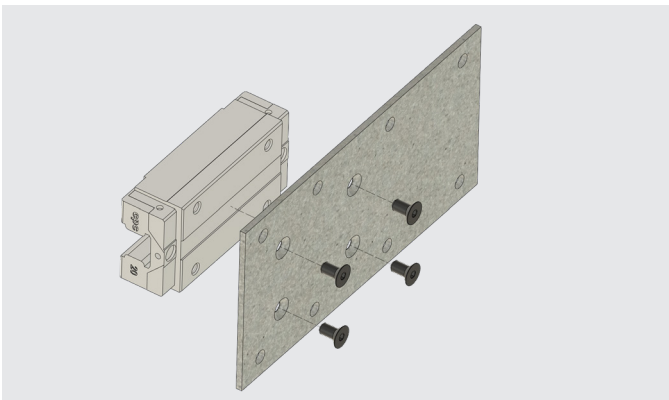
Ensure all holes align with a stud, and secure using three (3) of the 3" lag screws provided.



14. Remove the small section of the extension slide. Align the holes with the holes in the top jamb. Ensure that the release lever is pointing towards the closing side jamb.

If the release lever is pointing towards the opening side jamb, you have the top jamb on backwards and it will need to be fixed.

Secure the small section of the extension slide using the provided 18mm euro screws.



15. Assemble the slider to the slider mounting plate using the four (4) M5 x 10 Hex Cap Screws provided.



16. Align the holes in the slider mounting plate to the pre-drilled holes in the opening side casing and attach using the 1/4" x 1" Lag Screws provided.

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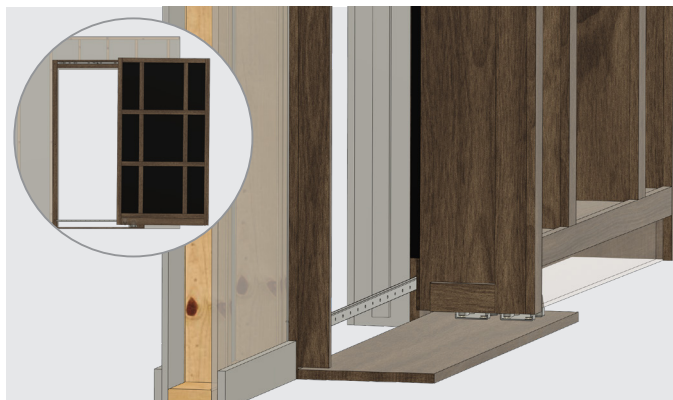
17. **CAUTION:** Dislodging ball bearings in the slider can compromise the door operation. Handle with extreme care.

Carefully slide the linear rail into the slider from the outer edge. Slide it all the way through so that the outer edge is aligned with the outer edge of the slider.



18. Use eight (8) of the provided #10 x 3/4" Wood Screws and Bevel Washers to attach the casters to the threshold.

There is some left-to-right adjustment in the placement. Ensure they are adjusted towards the center (towards the closing direction of the door) and straight.



19. With the help of another person, lift the door and place it so that the casters on the bottom of the door can roll across the threshold, and the casters on the threshold can roll across the bottom of the door.



20. With another person supporting the opening side of the door so that the door is between level, connect the extension slide sections at the top of the door.

Slide them together until you hear them click.

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21. Push the door fully closed.

This may take more force than expected the first time they are connected.

Verify that the opening and closing sides of the door and surface mounted jamb align.

If they do not, the door will have to be removed and the jamb adjusted to correct any misalignment.



22. Once the door is aligned, open it slightly and align the linear rail with the pre-drilled holes along the bottom beam.

Starting at the closing side, use the provided #10 x 1-1/2" Pan Head Wood Screws to secure the linear rail to the bottom beam.

You will need to close the door to access the last few accessible holes. There will be some that are not accessible and do not need to be secured.

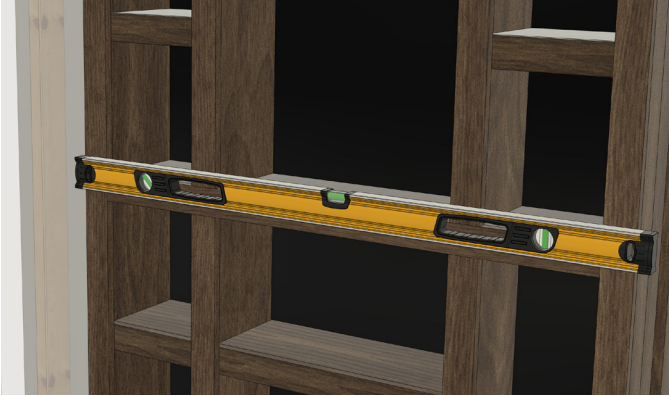


23. Install the shelf pins and adjustable shelves as desired.



24. Use a tape measure and measure up from the top of the horizontal face frame rail 1-1/4" (or whatever height desired), and make a mark centered horizontally in the vertical face frame rail. Repeat at each across the width of the door.

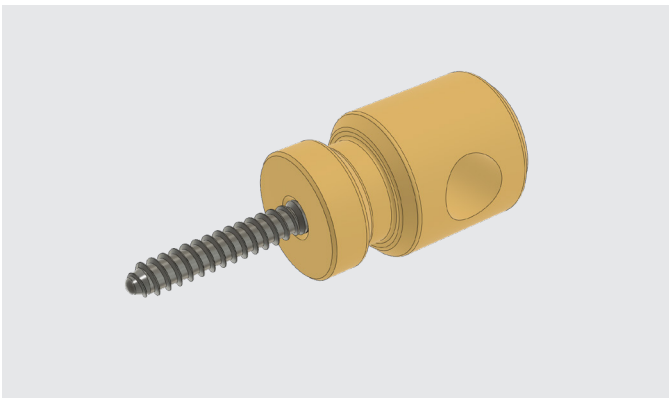
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25. Use a level to check the height and alignment of all marks.



26. Using a 3/32" drill bit, drill a pilot hole at each mark.



27. Thread one of the provided hanger bolts into the bottom of the gallery rail post.



28. Thread the gallery rail post and hanger bolt into your pilot hole until tight. Ensure the thru hole in the gallery rail post is aligned horizontally and the small threaded hole is pointing down.

Partially insert the #8-32 set screw into the hole at the bottom of the gallery rail post.

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29. Repeat across the remaining pilot holes.



30. Insert the 5/16" brass rod. It may need to be trimmed to length.



31. Secure the brass rod using the #8-32 set screws in the bottom of each gallery rail post.



32. Repeat on the remaining fixed shelves.

Congratulations. You have successfully installed your Sliding Gallery Bookcase Door!