



Bi-Fold Barn Door Hardware

Installation Manual



SAFETY PRECAUTIONS

⚠ WARNING!

Power tools can cause serious damage if not professionally used. Safety gear must be worn before and during installation to prevent unexpected injuries.

Pick an area free of hazardous condition before you start on the project. Please use tools and power tools responsibly. Accidents may occur due to abuse of tools.

Please make sure all hardware secured onto the door is sufficiently tight. Doors with loose hardware may result in serious injuries. To avoid any problems, make sure the hardware is secure before door is put on the track.

All hardware provided is for safety reasons. Please follow each instruction carefully. Track must be installed on studs in order to keep the track and doors secure. All safety hardware and instructions included in this project must be used and followed specifically to prevent any serious problems.

!CAUTION!

- **Big objects required in this project are needed to be carefully and responsibly moved. Be sure to wear safety gloves and shoes to prevent any serious injury.**
- **Be extremely careful to not put any parts of your body against a moving part of the hardware. This may cause bruising, punctures, and other results of injuries, for example when fingers are caught in the closing area of the doors.**
- **Precautions should be taken when opening or closing the door(s). Handles should be used when attempting to slide the doors. Always keep you and children aware and safe from any unexpected situations.**
- **Any extreme uncontrolled pressure opening or closing the door(s) can damage the hardware gradually. Use handle(s) to open and close the door(s) with care at all times.**

PRE-INSTALL NOTICE

DOOR THICKNESS

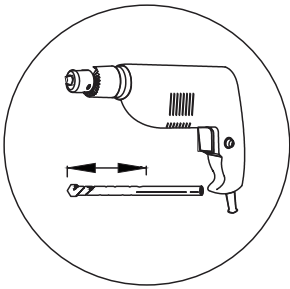
Our front mount bi-folding hardware kit and top mount bi-folding hardware kit operate differently and can accommodate different door thickness.

If you have the front mount bi-folding hardware kit, please make sure your door thickness is between 1" and 1-3/8"; if you have the top mount bi-folding hardware kit, please make sure your door thickness is between 1" and 2".

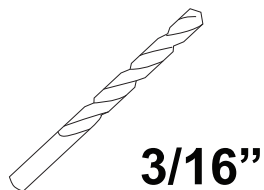
HEADER BOARD

A header board is suggested if the studs do not line up with the track.

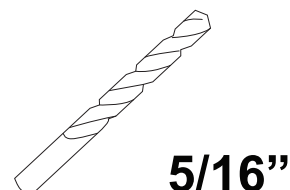
DRILL BIT SIZES



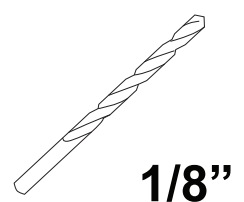
Front Mount Drill Bit



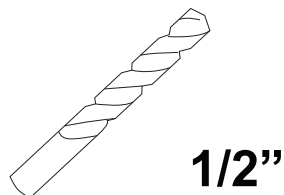
Top Mount Anchor Drill Bit



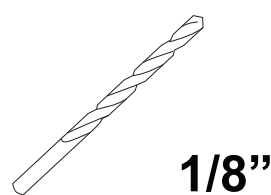
Hinge Screw Drill Bit



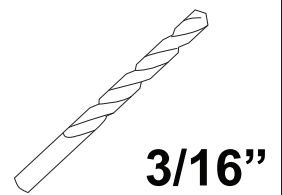
Bottom Pivot Locator Drill Bit



Bottom Pivot Drill Bit



Lag Bolt Drill Bit



DOOR WEIGHT

This hardware's total weight capacity is 220lbs, if you are able to secure the track to every single stud, the total weight capacity could go up to 300lbs. This capacity is determined by our lag bolts. If you want the hardware system to hold heavier doors, you can source longer and more weight-bearing lag bolts locally to achieve that.

The weight limit for each set of rollers is 180lbs, so please make sure your doors will not exceed 180lbs for the single set door kit!

HARDWARE INCLUDED

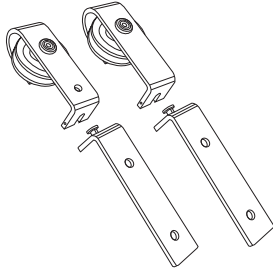
Different track length comes with different hardware quantity.

Please be sure to check the hardware you should have before installation.

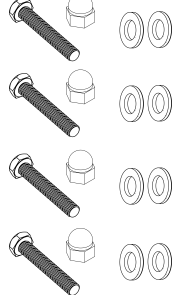
Please check the hardware checklist according to the type of roller you selected.

Front Mount Hanger/Roller Set

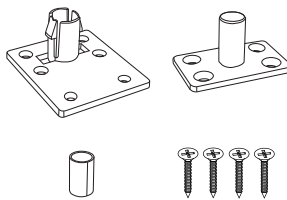
Hanger/Roller (2)



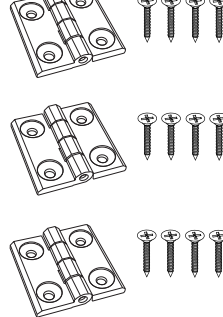
Hex Bolt Set (4)



Bottom Pivot & Locator (1)



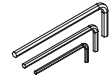
Door Hinge (3)



Fixed Roller Lock Bracket (1)



Hex Wrench (3)

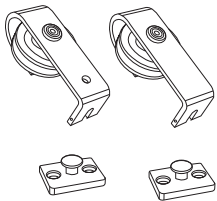


Rubber Hole Cover (4)
(for end of track)

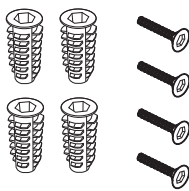


Top Mount Hanger/Roller Set

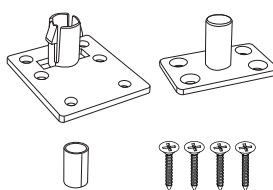
Hanger/Roller (2)



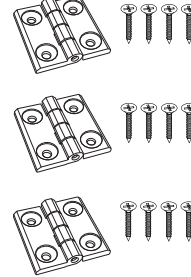
Anchor (4), Screw (4)



Bottom Pivot & Locator (1)



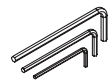
Door Hinge (3)



Fixed Roller Lock Bracket (1)



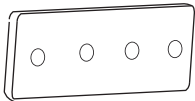
Hex Wrench (3)



Rubber Hole Cover (4)
(for end of track)

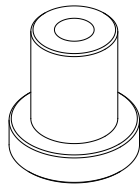


Junction Plate

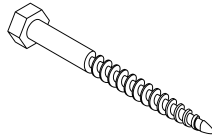


Please check the
Hardware Checklist
below, for this item
you may not need any.

Spacer Set



Spacer (1)

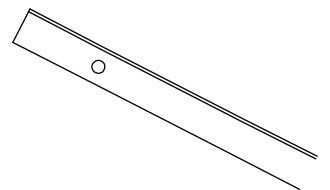


Lag Bolt (1)



Washer (1)

Flat Track



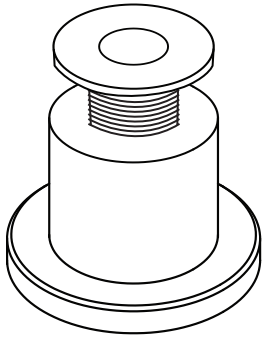
HARDWARE CHECKLIST

Track Measurement	Hanger/Roller Set for Single Set Door	Hanger/Roller Set for Double Set Door	Flat Track	Spacer Set	Junction Plate
28in	1	2	1	3	0
33in	1	2	1	4	0
38in	1	2	1	3	0
42in	1	2	1	3	0
48in	1	2	1	5	0
54in	1	2	1	5	0
60in	1	2	1	6	0
66in	1	2	1	6	0
72in	1	2	1	5	0
79in	1	2	1	7	0
84in	1	2	1	7	0
90in	1	2	1	6	0
96in	1	2	1	8	0
108in	1	2	2	8	1
120in	1	2	2	10	1
132in	1	2	2	10	1

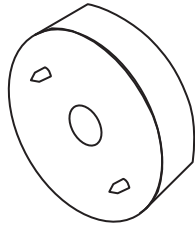
ADJUSTABLE SPACER SET

Adjustable Spacer Set

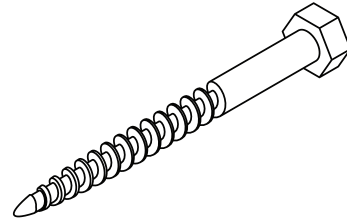
Each adjustable spacer set comes with one of each below. Quantity below depends on how many sets you have ordered.



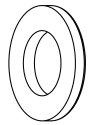
Adjustable Spacer (1)



Extension Cap (1)

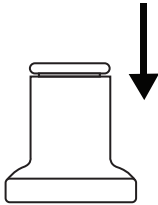
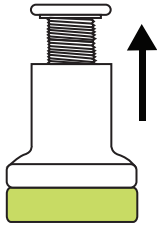
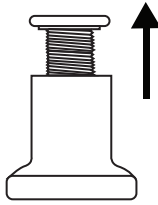


Lag Bolt (1)



Washer (1)

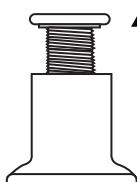
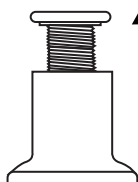
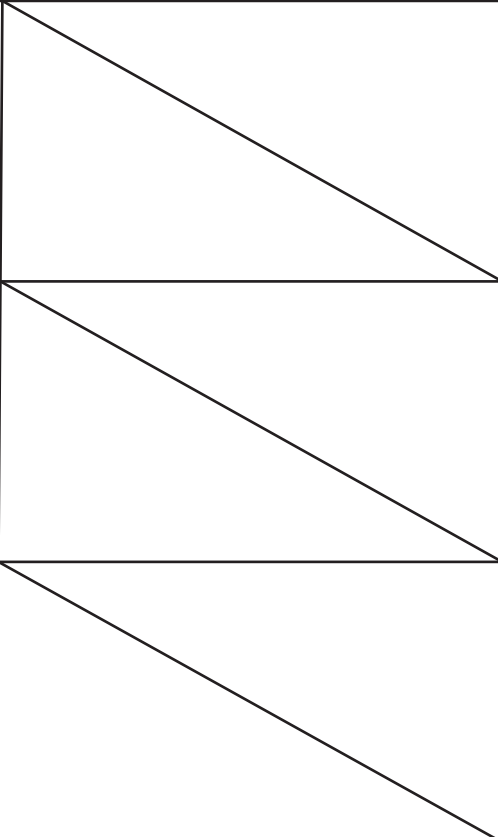
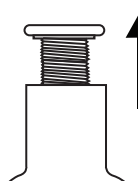
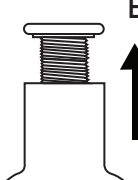
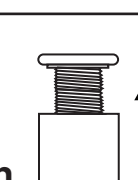
Adjustable Spacer Set Assembly

Ways Adjustable Spacer are assembled	Adjustable Spacer Set Assembly			
	Retract	Retract	Extend	Extend
				
Height of Spacer	1 in	1-3/8 in	1-13/16 in	1-1/2 in

Front Mount Bi-Folding Hardware Kit and **Top Mount** Bi-Folding Hardware Kit each has a different installation mechanism, this will affect the **door thickness** that they could accommodate.

Please look very carefully at the diagram on next page before installation and check if your door thickness could be used with the hardware kit of your choice!

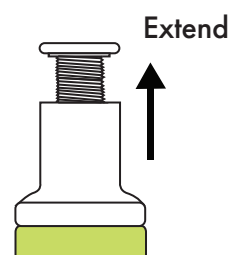


Door Thickness	Front Mount Bi-Fold	Top Mount Bi-Fold
1 inch	1 3/8" inch 	1 3/8" inch 
≤ 1 3/8" inch	1 1/2" inch 	1 1/2" inch 
≤ 1 1/2" inch		1 1/2" inch 
≤ 1 3/4" inch		1 13/16" inch 
≤ 2" inch		1 13/16" inch 

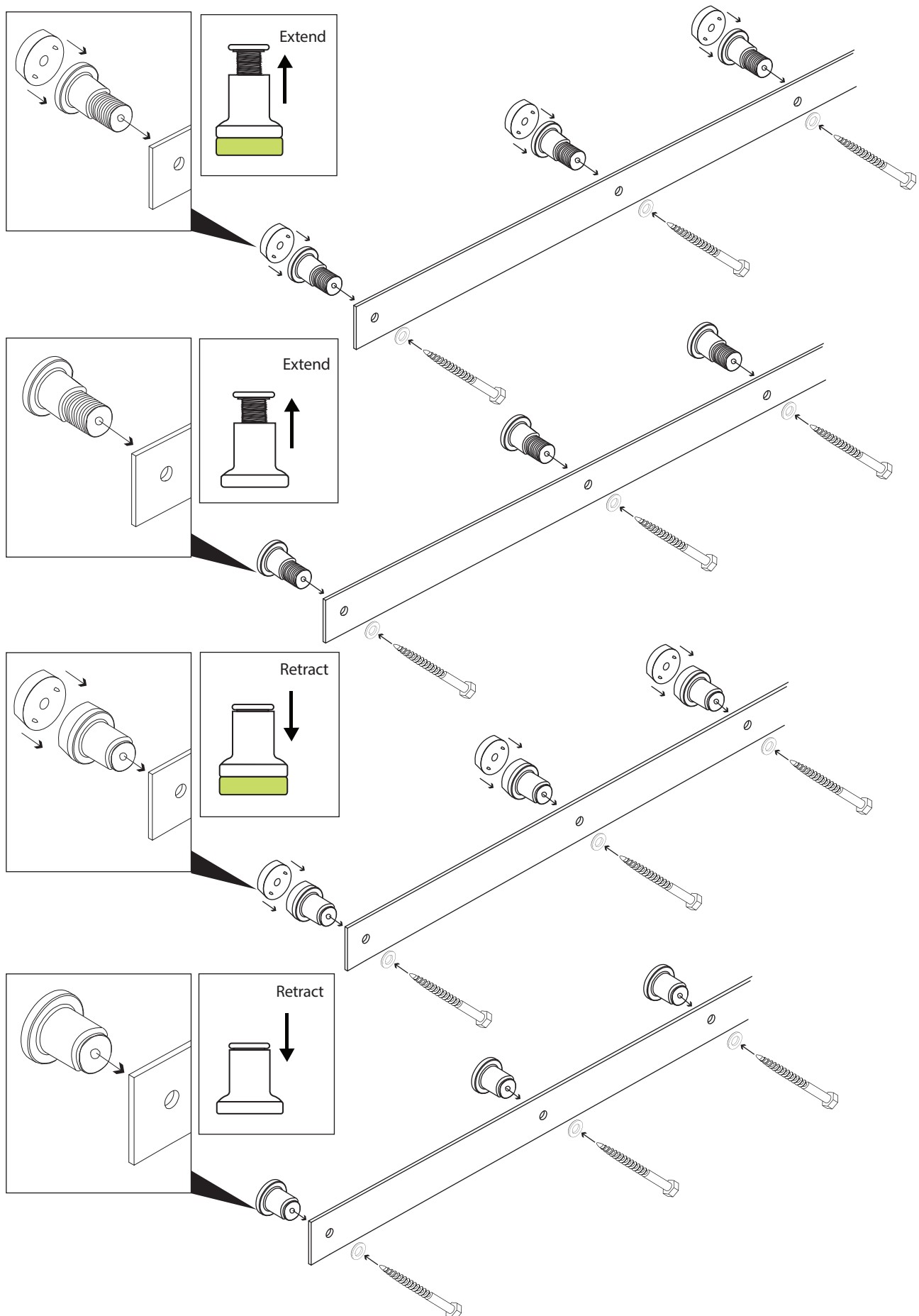
If you have a door trim, please add the trim's thickness into your door thickness according to the below formula:

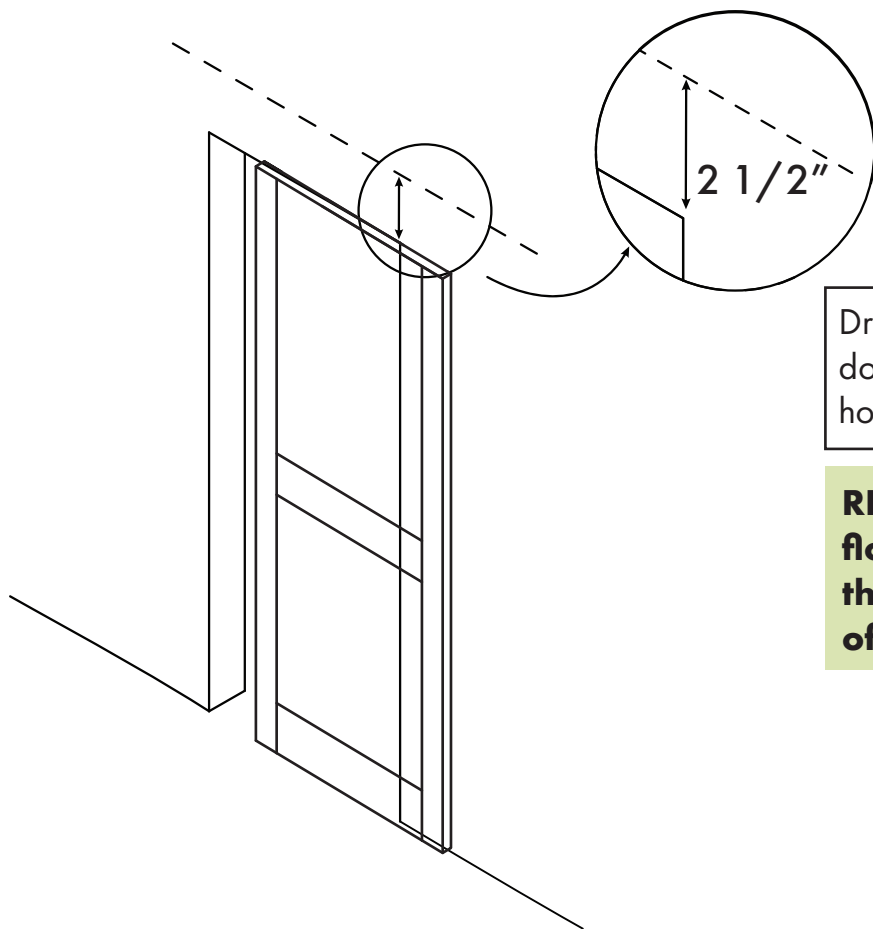
For example: your door is 1-1/8" in and your trim is 1/2", then you should add them together and use the sum as the "door thickness" that we refer in the below pictures!

E.g: For Door Thickness 1-1/8 in + trim thickness 1/2 in = 1-5/8 in, this is ≤ 1-3/4", this thickness cannot be used for front mounted hardware kits, so you should use a **top mounted hardware kit** and you should adjust the spacer set like this according to our previous chart!



INSTRUCTIONS

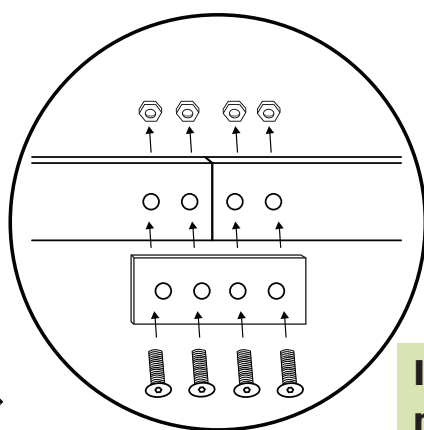




Draw a horizontal line 2 1/2" above your door height. This line will be used to line up horizontally to the center of your track.

REMINDER: Please make sure your floor is level. If not, please measure the distance from the highest point of your floor.

Step-1

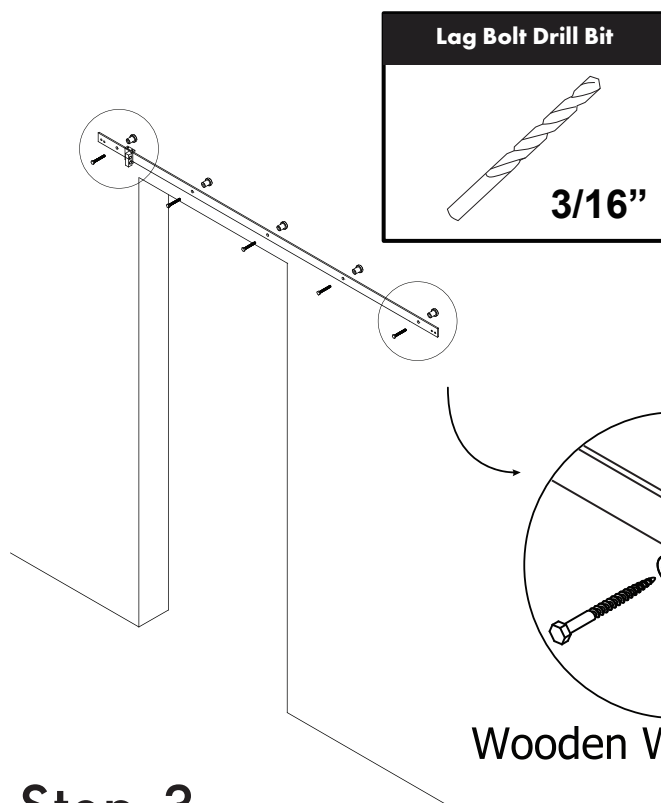


If your track comes in 2 pieces or more, install the junction plate onto each 2 tracks (like the diagram shown here).

Find all the studs, lay the track on the wall, align the center line of your track horizontally with the previously drawn line, ensure each hole is on a stud, and mark the hole positions.

If your studs do not line up with the track's mounting holes, please add a header board across for security.

Step-2

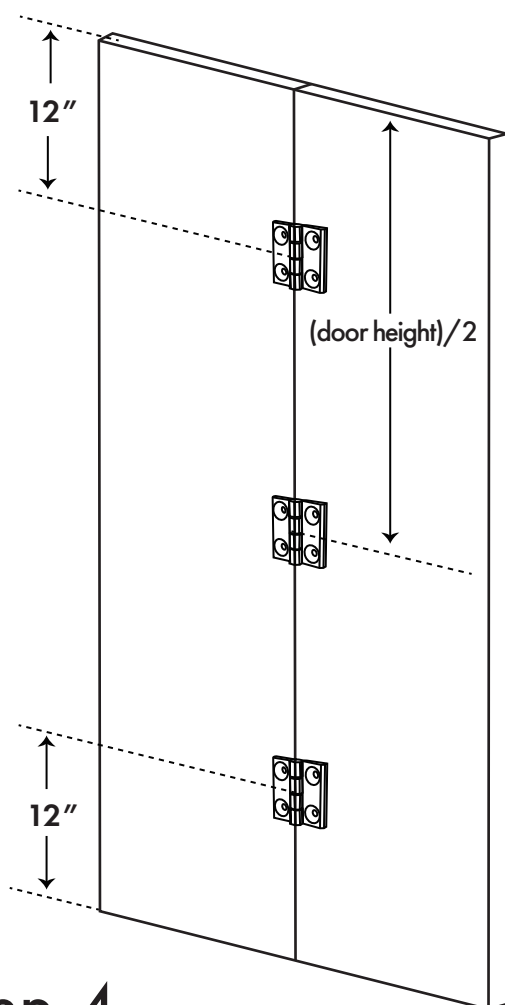


Drill the previously marked holes and install the lag bolt and spacer onto the first hole and the last hole first as shown in the picture. Repeat the same process for the remaining holes.

CAUTION: Do not over tighten when installing the track on any drywall surfaces or you may damage your drywall.

Wooden Wall/Drywall

Step-3

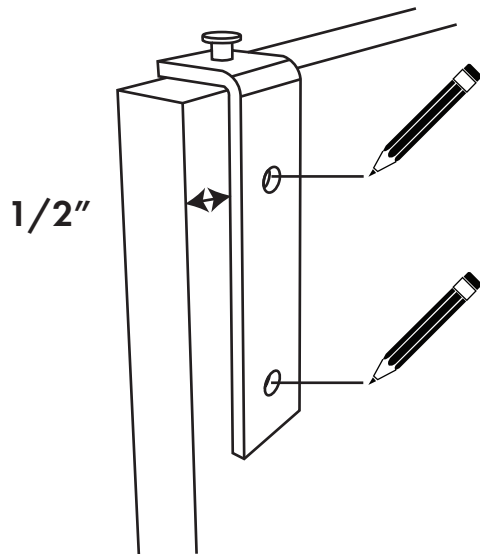


Lay your doors joined together, face down on a flat floor. Leave a $1/32$ " gap between them. The gap is about 3-4 business cards thick.

1. Put the center of the first hinge about 12" down from the top.
2. Put the center of the last hinge about 12" up from the bottom.
3. Once the top and bottom hinge is placed, locate the middle hinge according to the below formula:
 $(\text{door height}) / 2 = \text{where you place the center of the middle hinge.}$

Align the hinge knuckle parallel and directly over the joint between the doors. Use a $1/8$ " drill bit to predrill the hinge holes on the doors. Two screw lengths are provided, please use the ones that fit your door thickness to avoid over-drilling or damaging your doors.

Step-4

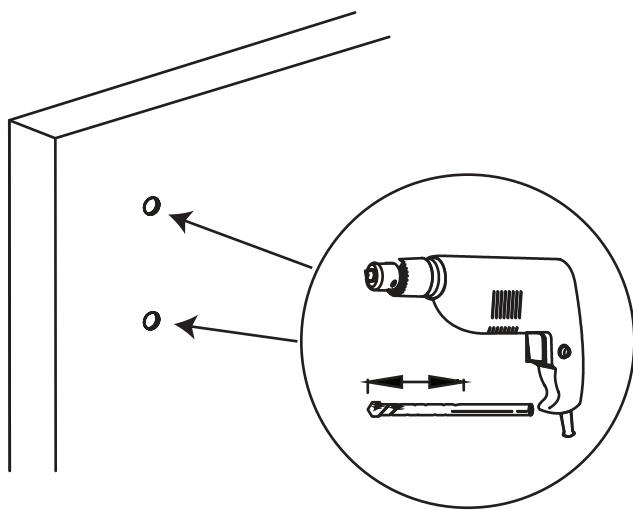


Please place the front mount strap 1/2" away from the edge of your door and let the top horizontal plate touch the top of your door tightly. Then draw the drill holes onto your door.

Step-5F

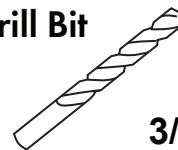
Take your strap off of your door. Drill the holes according to your previously drawn holes.

WARNING:
REMEMBER NOT TO DRILL HOLES INTO YOUR DOOR WHILE THE STRAP IS STILL ON THE DOOR.



Front Mount Drill Bit

Drill Bit

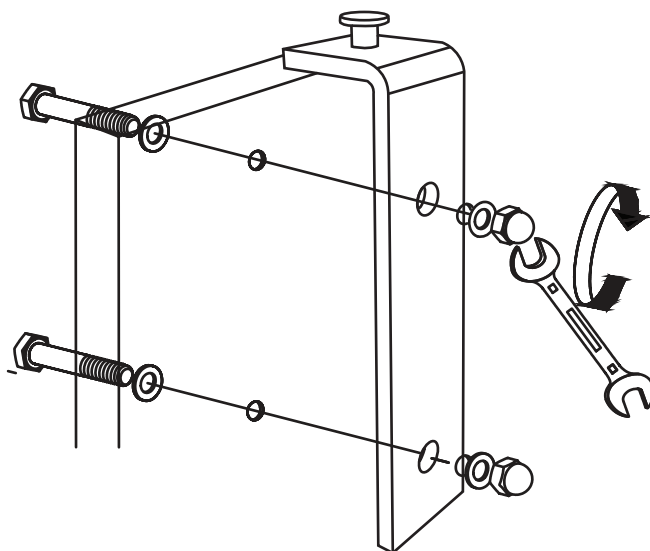


3/8"

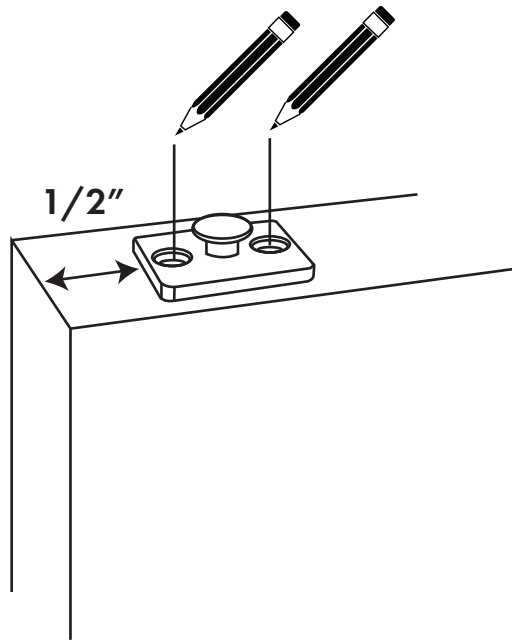
Step-6F

Mount the strap onto your door by installing the hex bolts and the acorn nuts.

WARNING:
PLEASE DO NOT USE A POWER DRILL FOR THESE BOLTS.

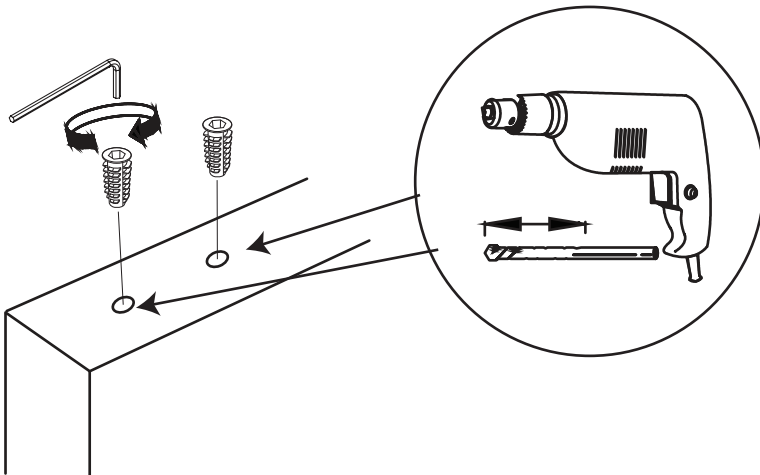


Step-7F



Please place the top mount plate 1/2" away from the edge of your door and place the center of the hole at exactly halfway of your door thickness. Then draw the drill holes onto your door.

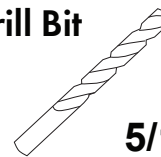
Step-5T



Take the plate off of your door. Drill the holes according to your previously drawn holes. Use the biggest hex wrench to screw the anchor into the holes you just drilled.

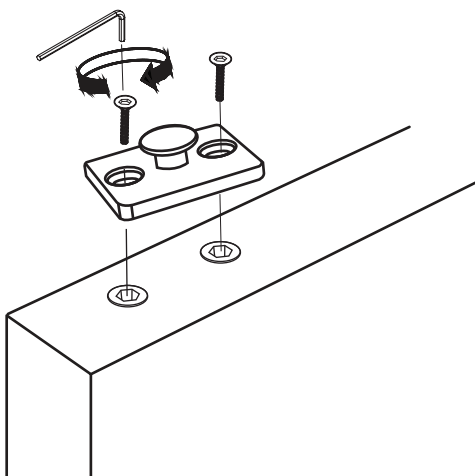
Top mount Anchor Drill Bit

Drill Bit



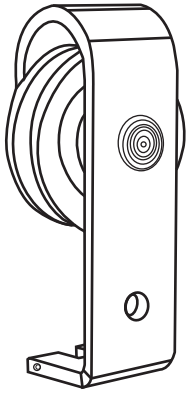
5/16"

Step-6T

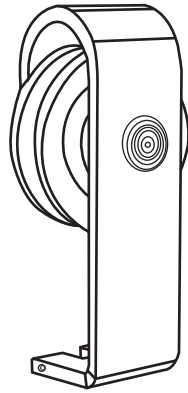


Finally, put the plate back onto the top of your door. Use the medium size hex wrench to add the screws into the anchor and lock it in tightly.

Step-7T



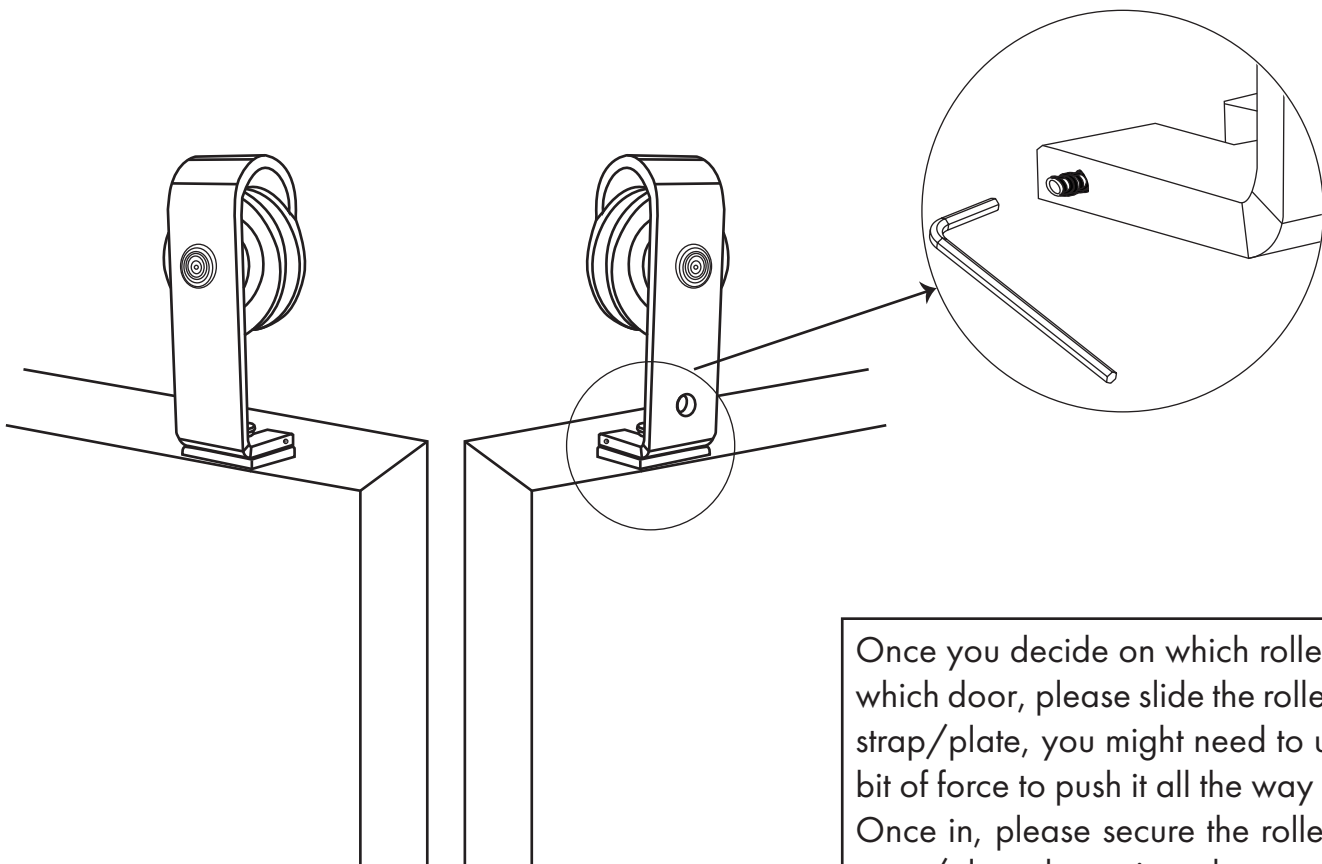
Fixed Roller



Adjustable Roller

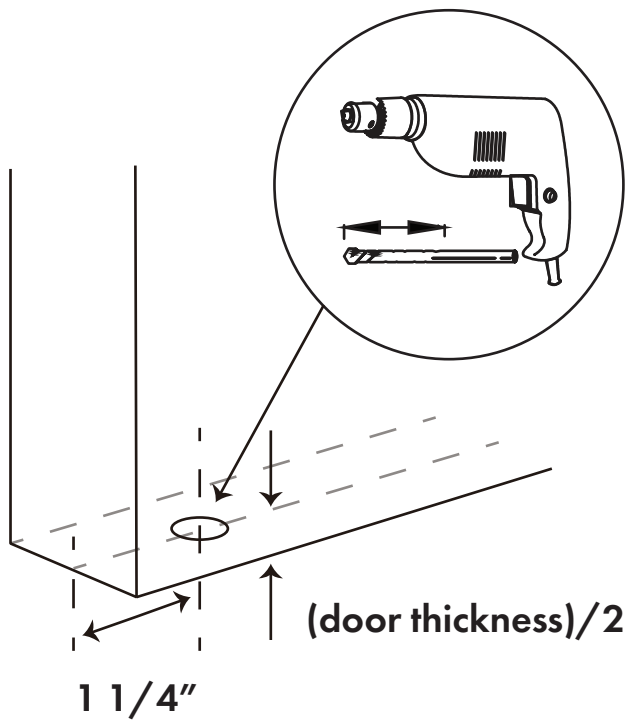
Identify the **fixed roller** and the **adjustable roller**, the fixed roller has a hole at the front while the adjustable roller does not.

Next, choose the door that you want to stay fixed and the door you want to move around. The **fixed roller** will go on the **fixed door** and the **adjustable roller** will go on the **moving door**.



Step-8

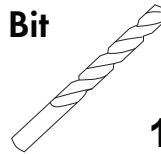
Once you decide on which roller goes on which door, please slide the roller onto the strap/plate, you might need to use a little bit of force to push it all the way in. Once in, please secure the roller with the strap/plate by using the smallest hex wrench like shown in picture. You will need to turn the whole thing all the way in so the roller will attach securely to the strap/plate.



Drill the bottom pivot hole at the bottom of your **fixed door** that you decided on earlier. The center of the hole should be $1\frac{1}{4}$ " away from the edge of the door and at the exact half of the door thickness. Use a $\frac{1}{2}$ " drill bit and drill a $\frac{7}{8}$ " deep hole.

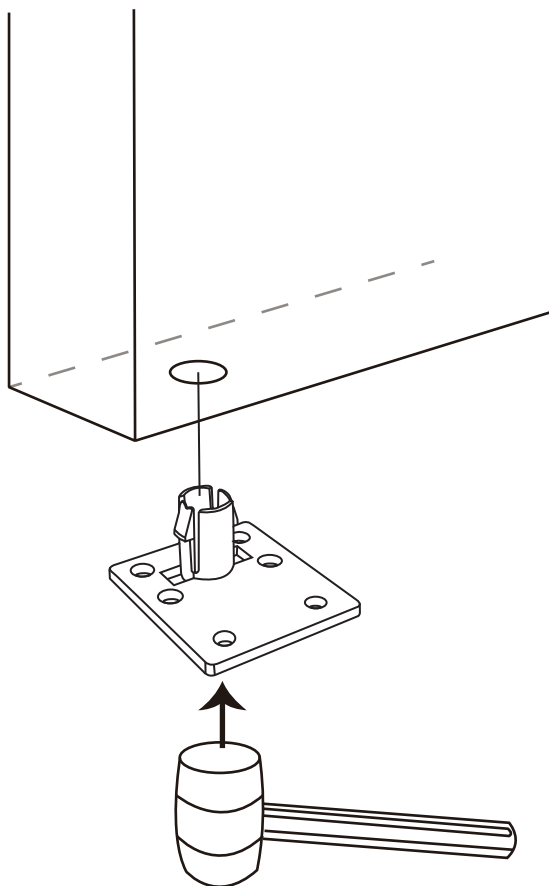
Floor Guide Locator Drill Bit

Drill Bit



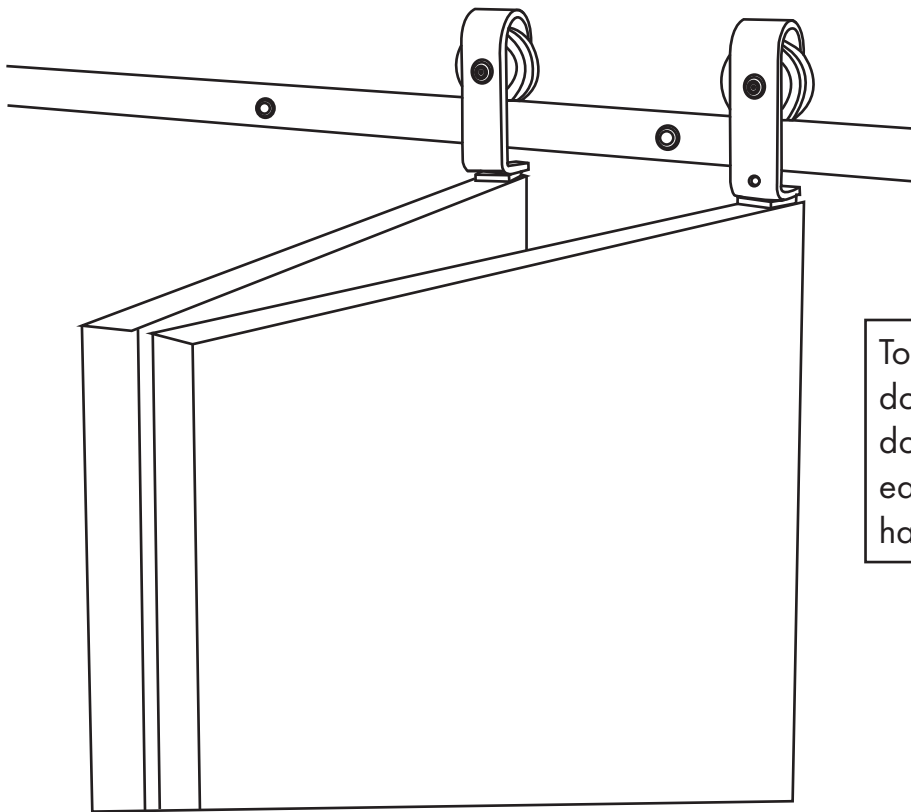
$\frac{1}{2}$ "

Step-9



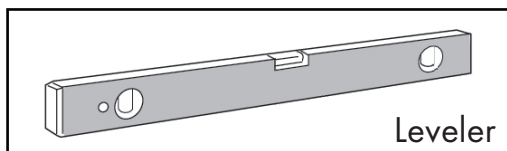
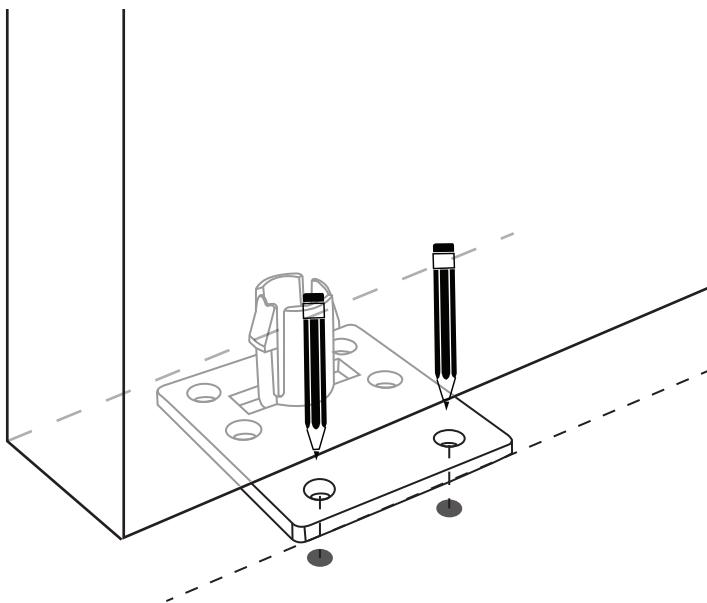
Gently knock the bottom floor locator into the bottom hole. It is made of plastic so please **be careful** not to break it.

Step-10



To install the bottom pivot, please hang the doors onto your track first. Hanging the doors in a folding position would be the easier way, this process should best be handled with 2 people for safety reasons.

Step-11



!!! IMPORTANT !!!

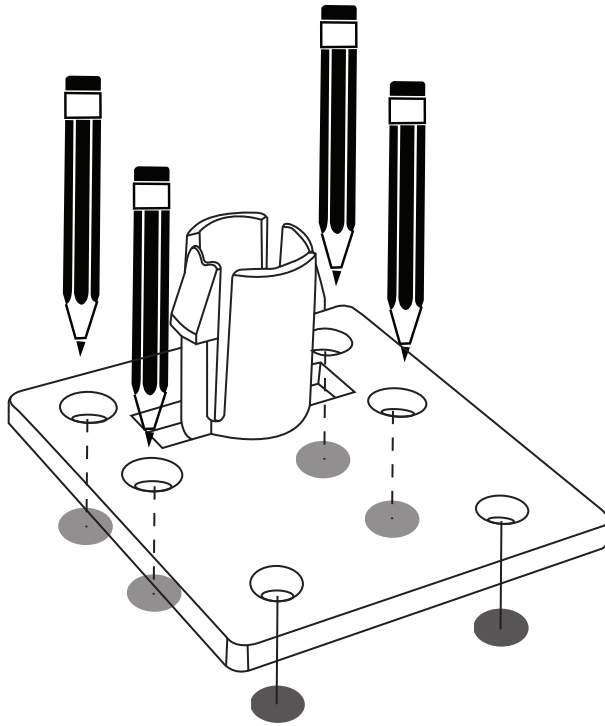
After hanging up the door, please unfold it to the "closed" position. Adjust your door to where you want it to be and check if it covers all the opening space.

This will be the final position of your door when it is fully functioning, so please make sure you have it right. Once certain, you can start locating the bottom pivot's position.

After the door is hung, the bottom pivot locator will be pressed against the floor. Please make sure the edge of the locator is parallel to your door surface. Mark the exposed 2 holes' positions.

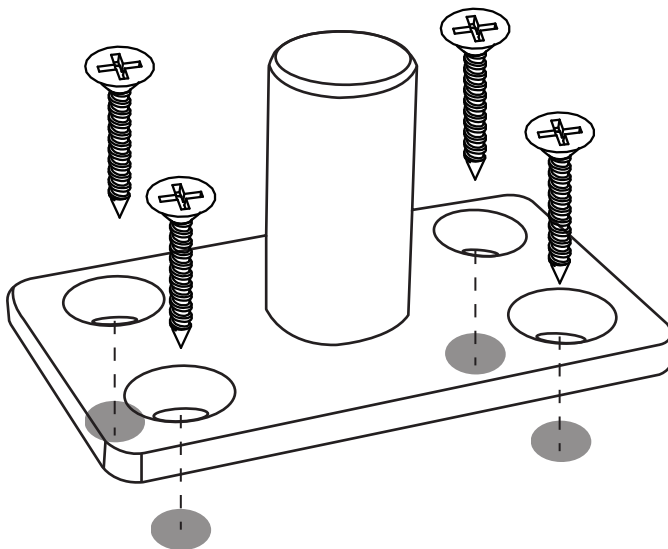
Once marked, please take the door off from the track and take out the locator.

Step-12



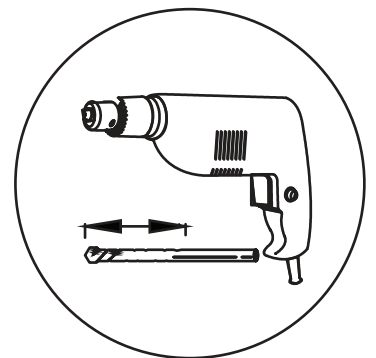
Put the bottom pivot locator back on the floor, matching the location of the outer 2 holes with the previously drawn holes from the last step. Then mark the inner 4 holes with a pencil.

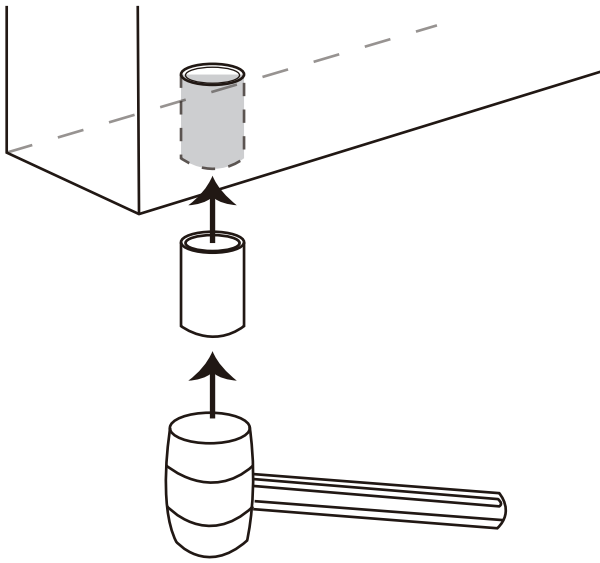
Step-13



Take away the locator and put the bottom pivot onto the floor according to the previously drawn inner 4 holes. Use a 1/8" drill bit to drill the holes and screw them in.

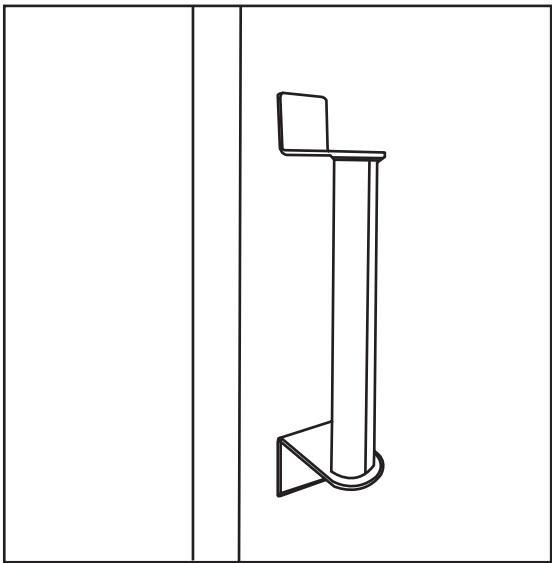
Step-14





Gently knock the metal sleeve into the bottom hole of the door that we just opened.

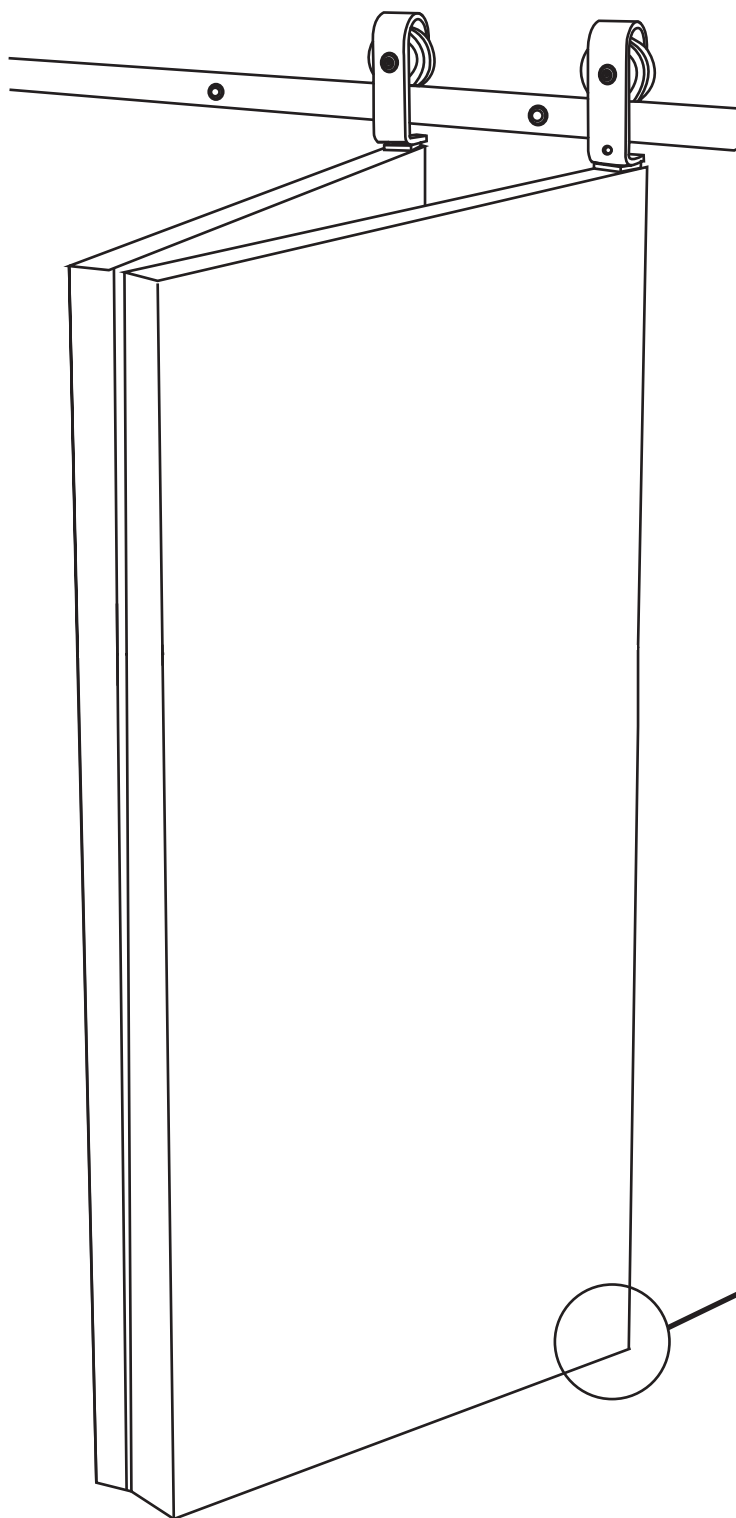
Step-15



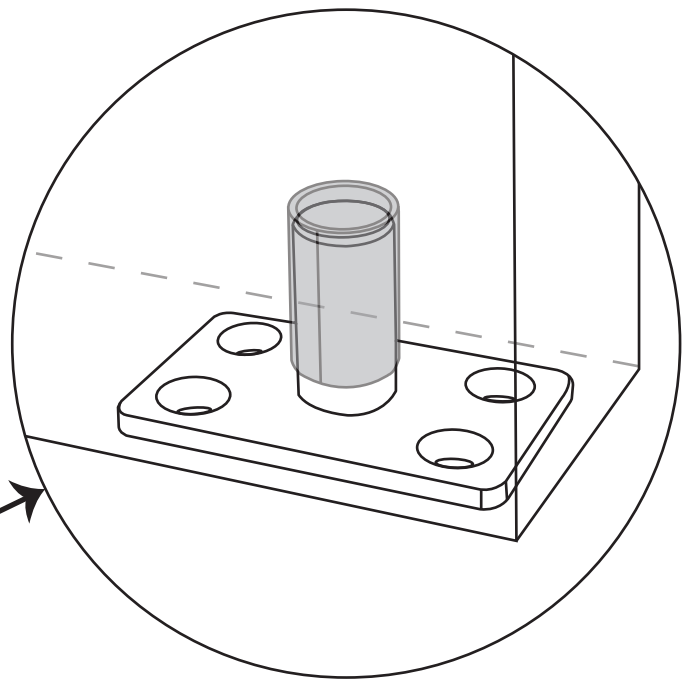
If you have a door handle, please remember to install it now.

! DOOR HANDLE IS NOT INCLUDED IN THIS KIT !

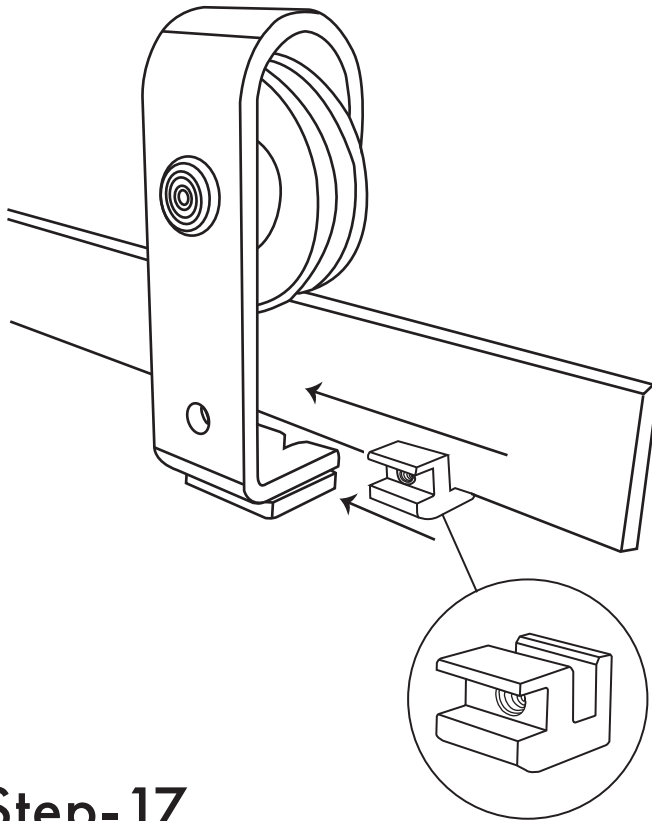
Step (optional)



Hang the doors back on track: slowly lift the doors with 2 people, position the metal sleeve above the bottom pivot rod and carefully lay it down to fit.

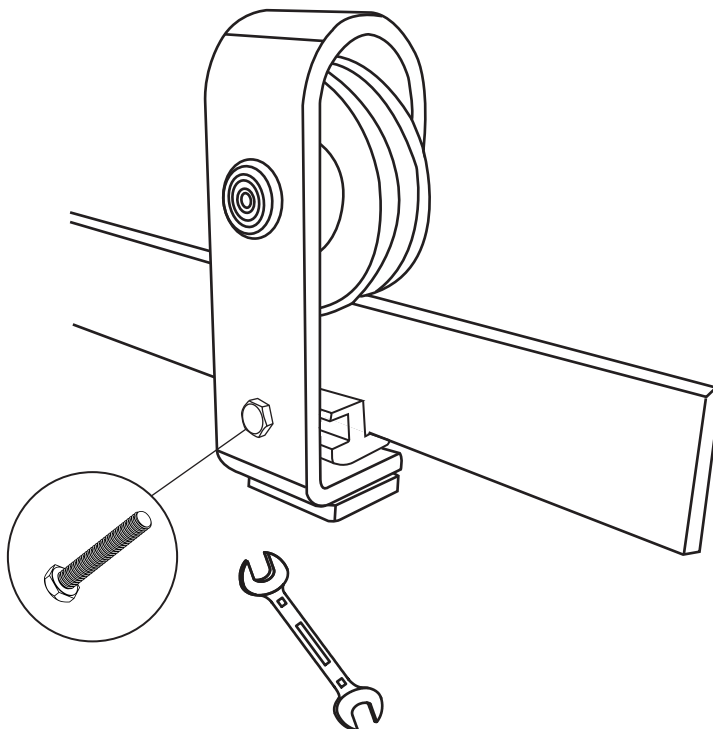


Step-16



To secure the fixed roller, please slide the lock bracket from the side of the track to the back of the roller.

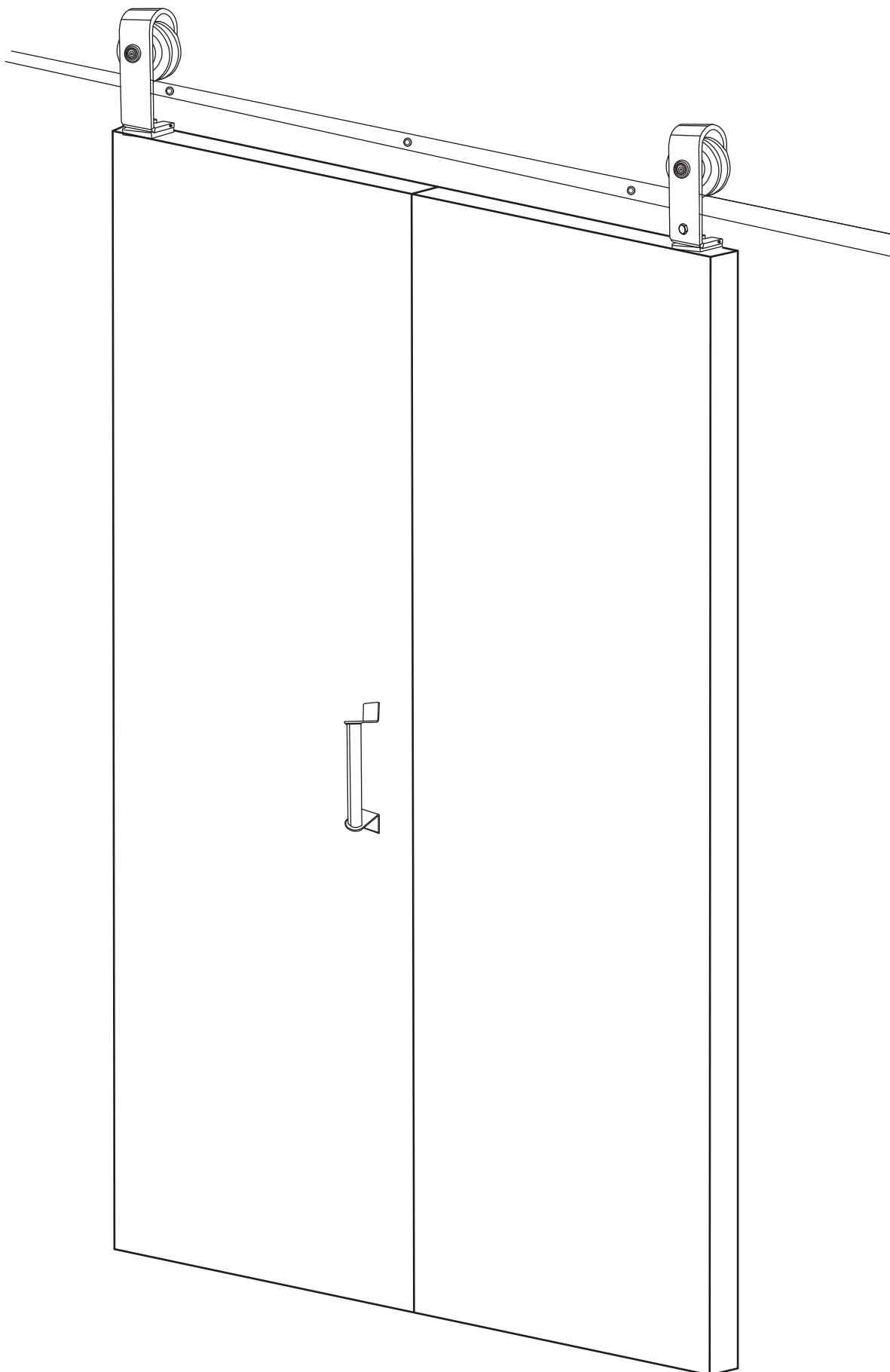
Step-17



Finally, lock the fixed roller with the hex bolt provided tightly.

WARNING:
PLEASE DO NOT USE A POWER
DRILL FOR THESE BOLTS.

Step-18



YOUR INSTALLATION IS COMPLETE!



SLIDING HARDWARE / BARN DOORS

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