

BD910

Synchronized Bi-Parting Barn Door Hardware Kit

Installation Instructions

BD910 - Synchronized Bi-Parting Barn Door Hardware Kit

PLEASE READ CAREFULLY

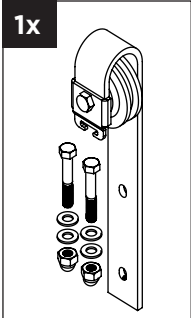
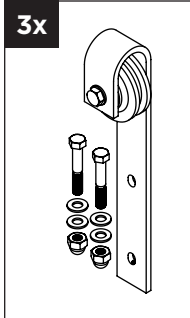
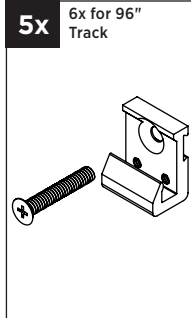
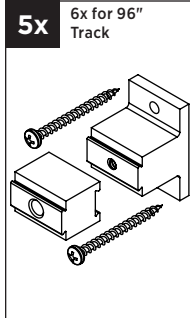
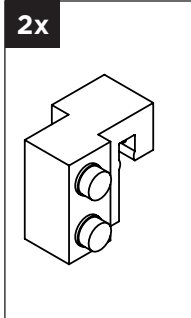
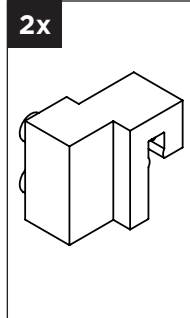
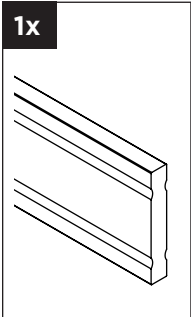
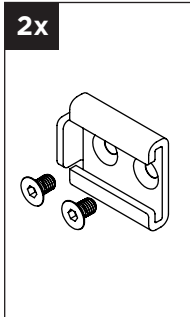
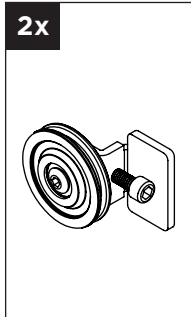
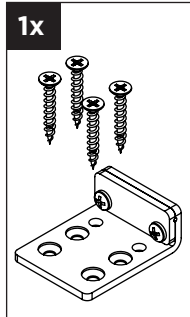
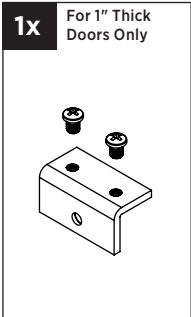
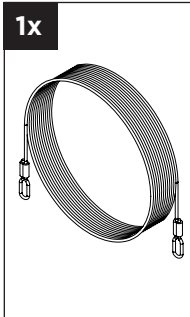
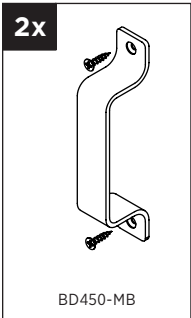
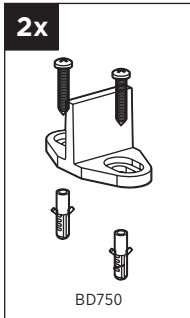
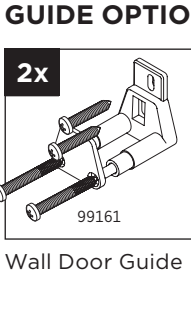
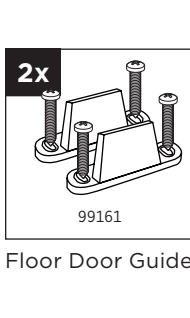
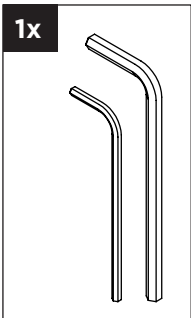
- Read all instructions carefully.
- Protect your eyes by wearing safety goggles.
- Keep the installation area free of clutter.
- Follow each step completely before starting the next step.

IMPORTANT!

VERIFY THAT ALL PARTS ARE INCLUDED IN THE PACKAGING. IF ANY PARTS ARE MISSING, DO NOT RETURN THIS PRODUCT TO THE STORE.

FOR PARTS ASSISTANCE, PLEASE CALL 1-800-493-5263 BETWEEN 8:30 AM AND 4:30 PM EST, MONDAY TO FRIDAY. SUPPORT IS PROVIDED IN ENGLISH, FRENCH AND SPANISH.

PACKAGE CONTENTS

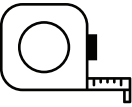
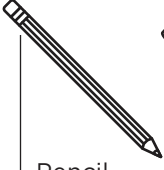
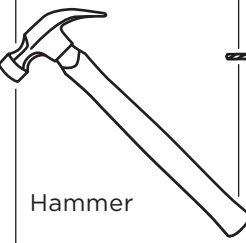
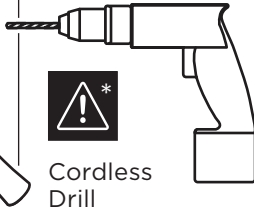
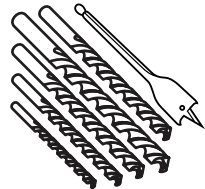
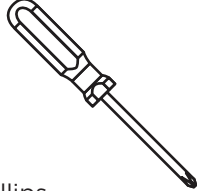
 <p>1x</p> <p>Bent Strap with Hook Plate</p>	 <p>3x</p> <p>Adjustable Bent Strap</p>	 <p>5x 6x for 96" Track</p> <p>Track Support Bracket</p>	 <p>5x 6x for 96" Track</p> <p>Wall Mount Bracket and Spacer</p>	 <p>2x</p> <p>Left-Hand End Stop</p>	 <p>2x</p> <p>Right-Hand End Stop</p>
 <p>1x</p> <p>Flat Track</p>	 <p>2x</p> <p>Idler Wheel Mount Bracket</p>	 <p>2x</p> <p>Idler Wheel Plate Assembly</p>	 <p>1x</p> <p>Clamp Plate Assembly</p>	 <p>1x For 1" Thick Doors Only</p> <p>Support Bracket</p>	 <p>1x</p> <p>Cable with Looped Ends</p>
 <p>2x</p> <p>BD450-MB</p> <p>Handle</p>	 <p>2x</p> <p>BD750</p> <p>Floor Door Guide</p>	 <p>2x</p> <p>99161</p> <p>Wall Door Guide</p>	 <p>2x</p> <p>99161</p> <p>Floor Door Guide</p>	 <p>1x</p> <p>Hex Keys</p>	

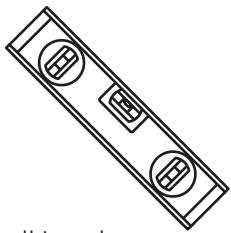
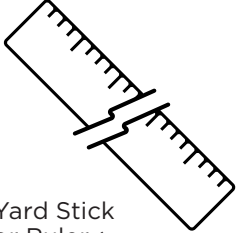


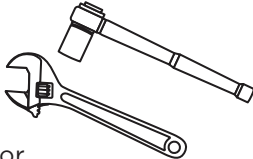



WARNING: Drilling, sawing, sanding or machining wood products can expose you to wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection. For more information go to www.P65Warnings.ca.gov/wood.

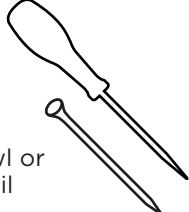
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TOOLS REQUIRED (NOT PROVIDED)

					
Measuring Tape	Pencil	Hammer	Cordless Drill	1/8", 1/4", 7/64", 5/32", 7/32" Drill Bits & 3/4" Spade bit	Phillips Screwdriver

				
Small Level or 4' Level	Yard Stick or Ruler (use with small Level)	Step Ladder	Stud Finder	5/8" Deep Socket Wrench or Adjustable Wrench



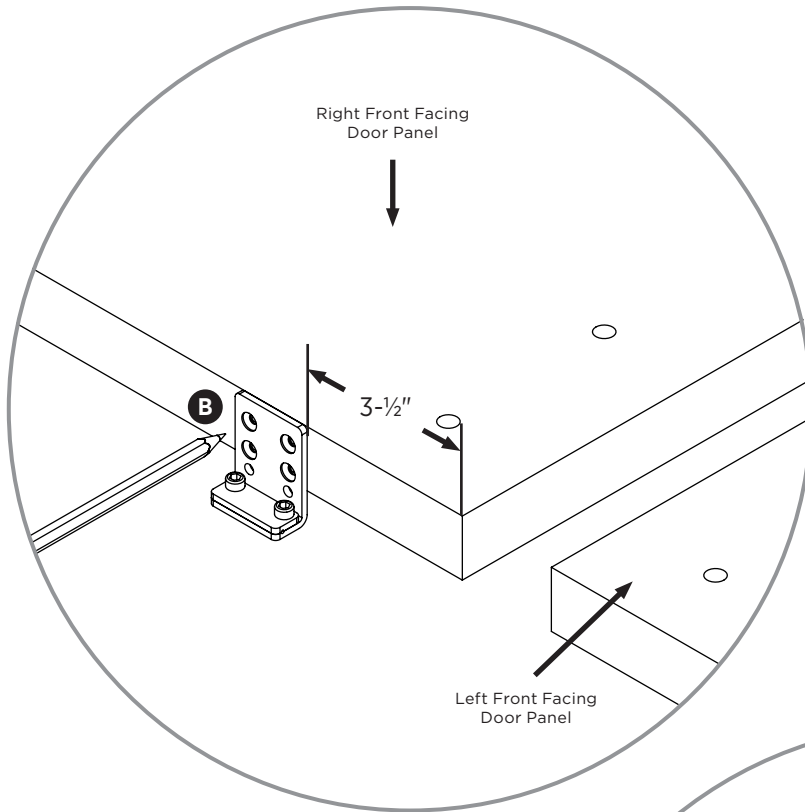


Awl or Nail

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STEP 1A Mark & Drill Clamp Plate Assembly Holes

For 1-1/4" to 1-3/4" Thick Doors

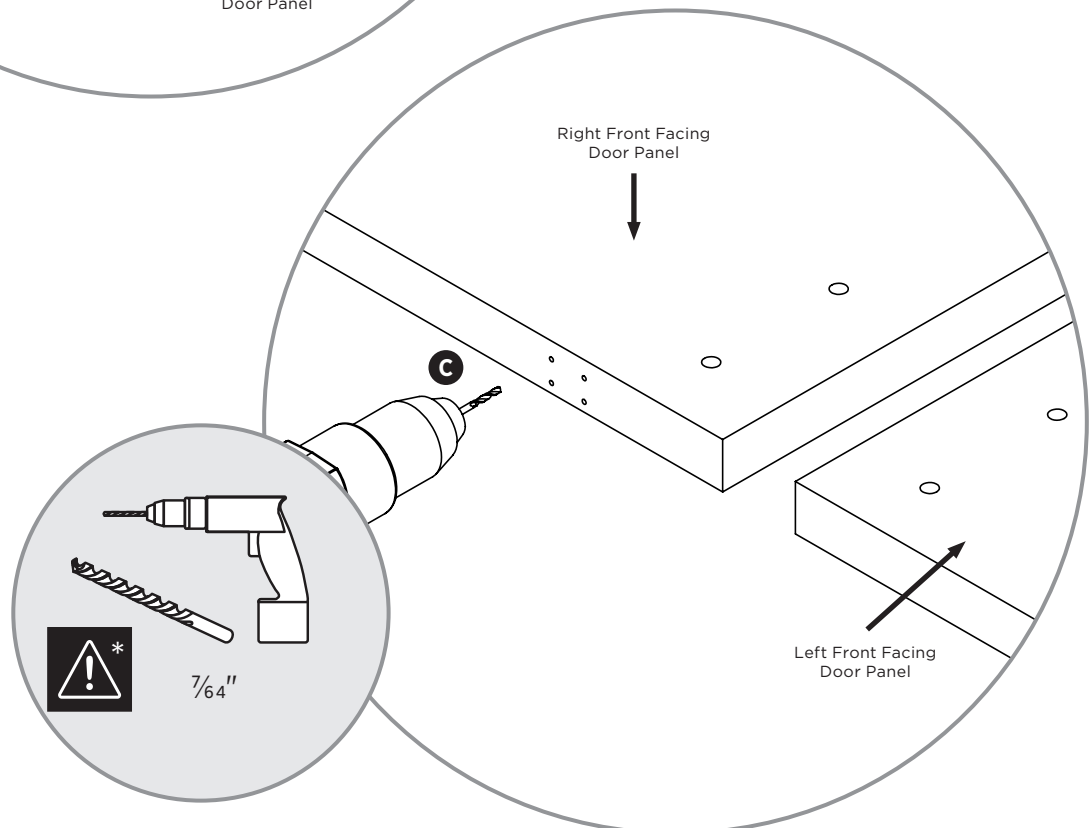


A) Lay your doors down on a protected surface with the front of the doors facing upward and oriented as they will be installed in the left and right position.

B) On what will be the right-side panel (facing when installed), measure over 3-1/2" from the center vertical edge on the top face and position the Clamp Plate Assembly so the end of the base plate is flush with the front face of the door and mark the holes with a pencil as shown.

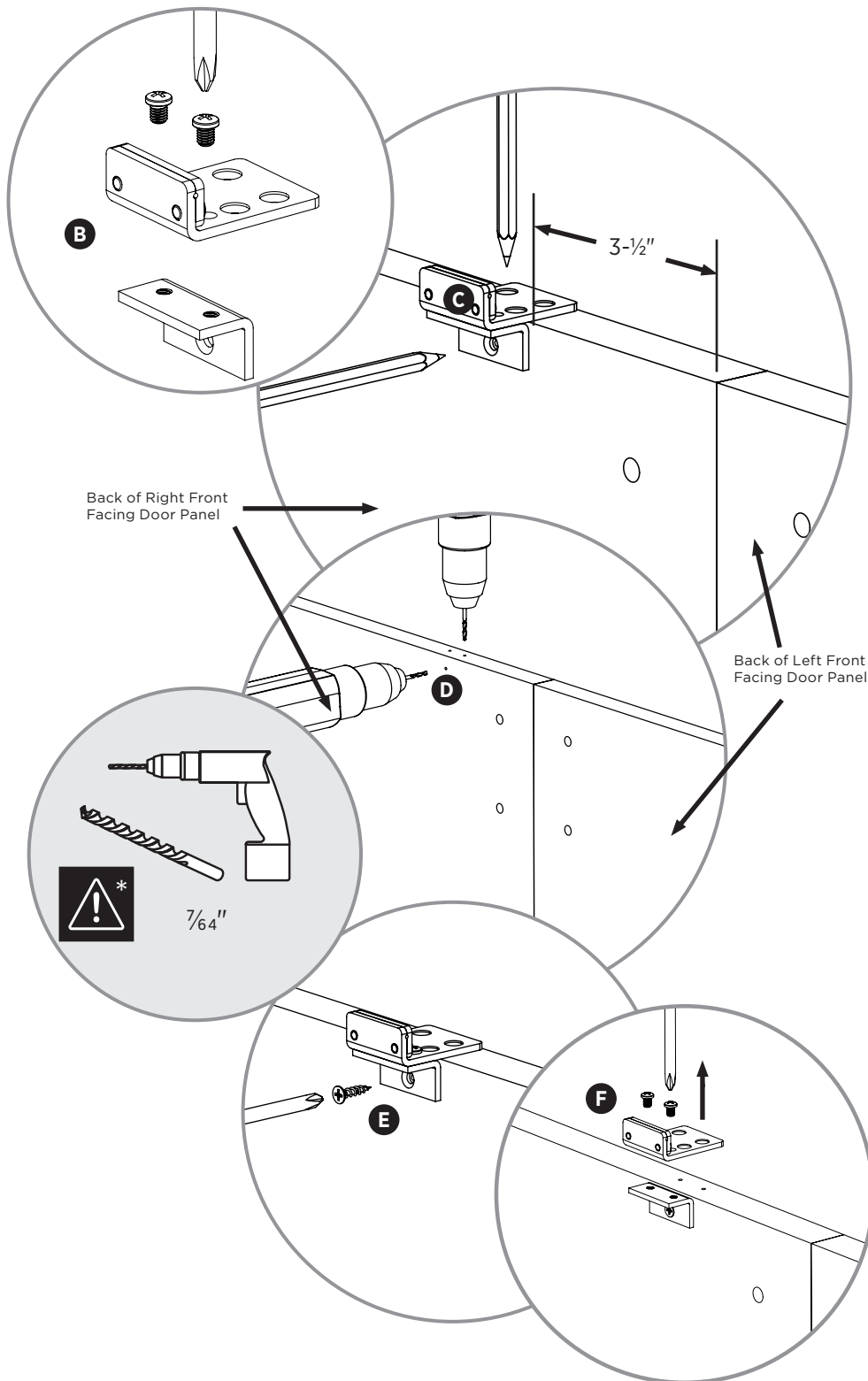
C) Using a drill with a 7/64" drill bit, drill the at the 4 marked hole locations to a depth of 3/4".

Note: DO NOT affix the clamp plate assembly at this time.



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STEP 1B Mark & Drill Clamp Plate Assembly Holes For 1" Thick Doors



A) Lay your doors down on a protected surface with the front of the doors facing upward and oriented as they will be installed in the left and right position.

B) Assemble the Support Bracket to the underside of the Clamp Plate Assembly as shown.

C) On what will be the right-side panel (facing when installed), measure over 3-1/2" from the center vertical edge on the top face and position the Clamp Plate Assembly so the Support Bracket is positioned on the back of the panel with the Clamp Plate Assembly on the top edge as shown. Mark the 2 holes (2 nearest the front face) of the panel and the single hole of the Support Bracket on the back of the panel with a pencil as shown.

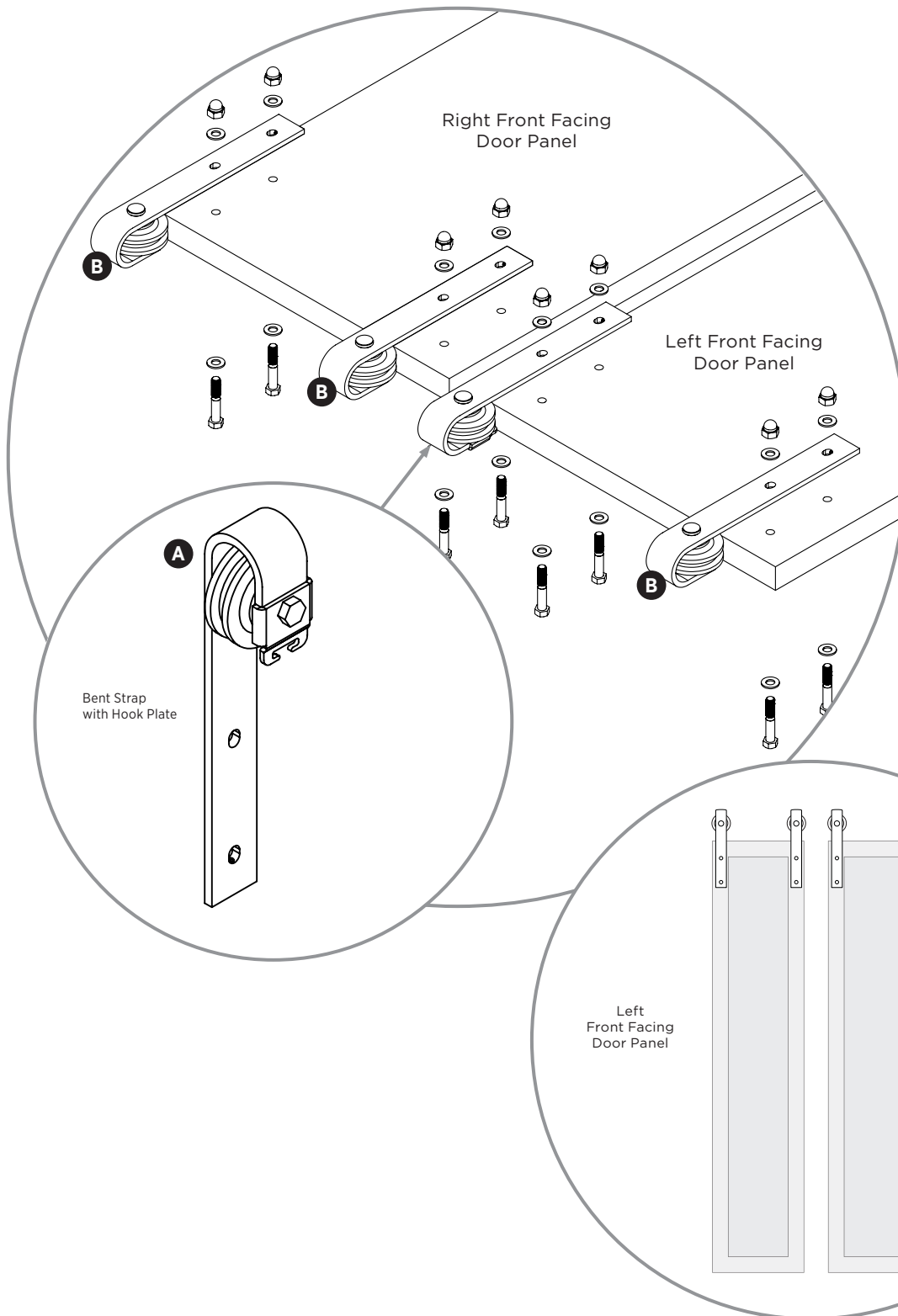
D) Using a drill with a 7/64" drill bit, drill the 2 marked hole locations on the top edge of the door and the single hole on the back face of the panel 3/4" deep. Be **VERY CAREFUL** not to drill through the front face of the door.

E) After drilling the marked holes, reposition the Clamp Plate Assembly with the Support Bracket onto the panel and secure it with the single screw provided into the Support Bracket only.

F) Unscrew the Clamp Plate Assembly from the affixed Support Bracket as shown, and store the Clamp Plate Assembly safely until after the door is installed onto the track.

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STEP 2 Affix the Bent Straps



A) Position the Bent Strap with Hook Plate on the front left side door panel at the center position and affix with bolts, washers and acorn nuts.

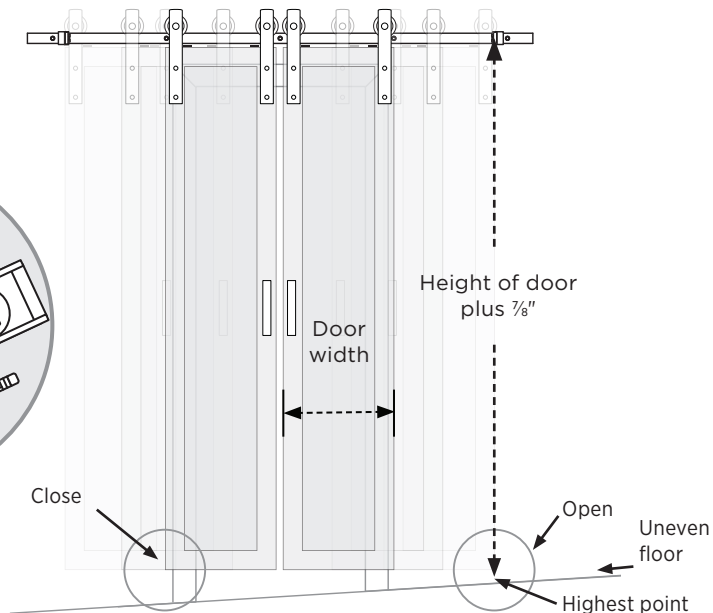
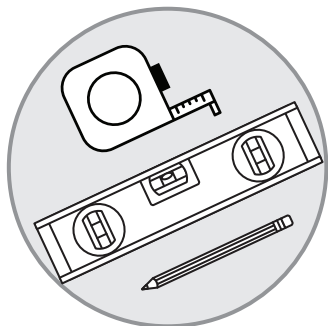
B) Affix the remaining bent straps to the front left and right-side panel as shown. Do not fully tighten at this time.

Note: Cut out and use the (2) supplied templates at the end of the document (**Acorn Nut Protector Template**) to protect the metal surface of the acorn nuts and straps while putting them on.

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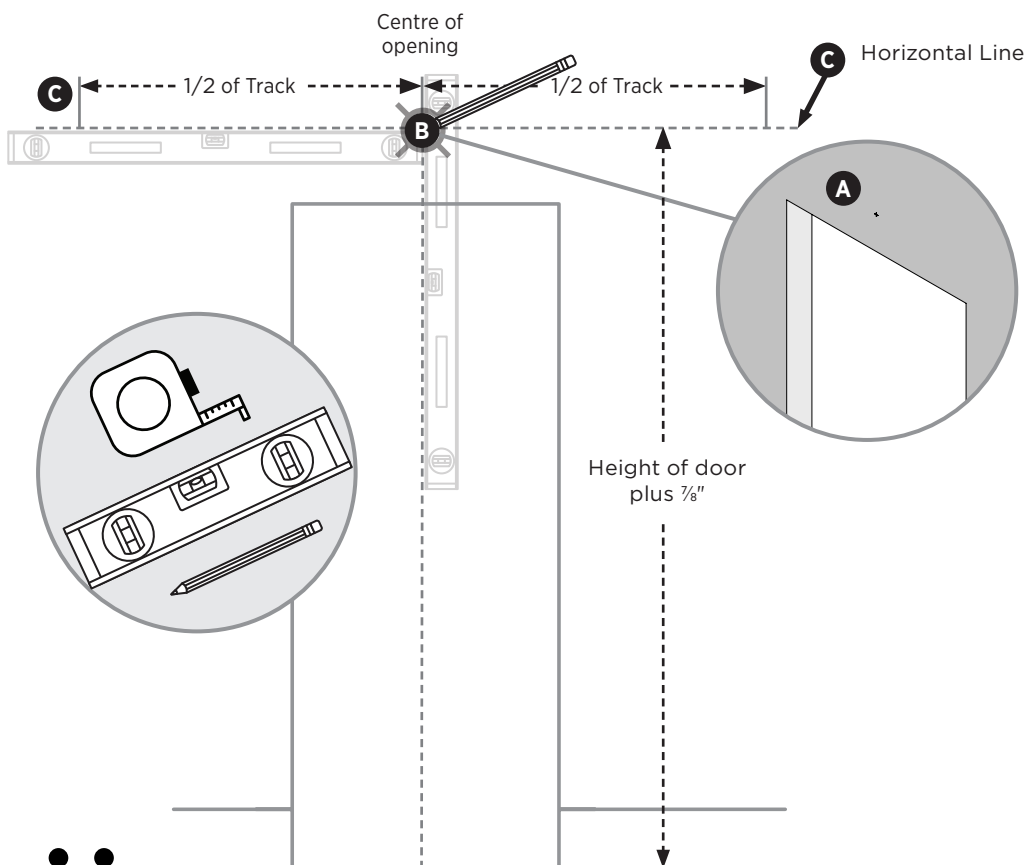
STEP 3 Check For Level Floor

- A) Use a Level to check if your floor is uneven before making measurements.
- B) If your floor is uneven, you need to measure at the open and closed positions of both Barn Doors to ensure there is enough space—select the highest point on the floor to ensure you have at least the height of the door plus $\frac{7}{8}$ ".



STEP 4 Measure and Centre the Track onto the Wall

Mark track location

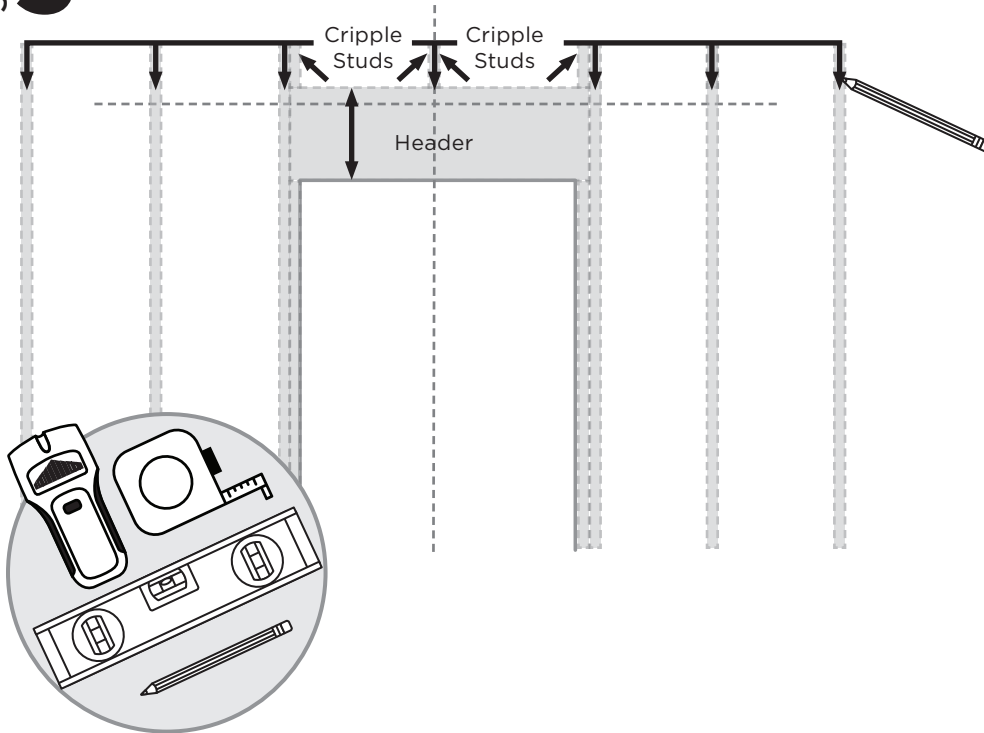


- A) Measure the width of the opening and make a mark in the center ($\frac{1}{2}$ the opening width) above the opening.
- B) Measure up from the highest point on the floor (from **Step 3**), the height of your door plus $\frac{7}{8}$ " inches and make a light pencil (**X-mark**) on the wall.
- C) Use a 4' level and lightly **draw a horizontal line approximately $\frac{1}{2}$ of the track length on either side of the center of the opening.**



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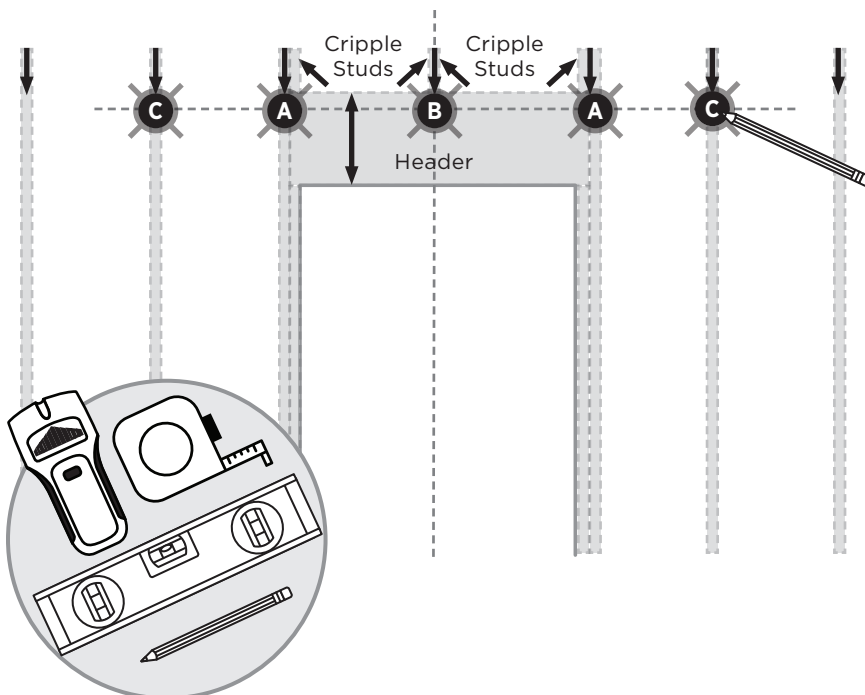
STEP 5 Locate And Mark The Studs And Header



Use a stud finder to locate and mark the center and edges of each stud and cripple stud, as well as the top of the door header to ensure it is at least 1- $\frac{3}{4}$ " above the line drawn.

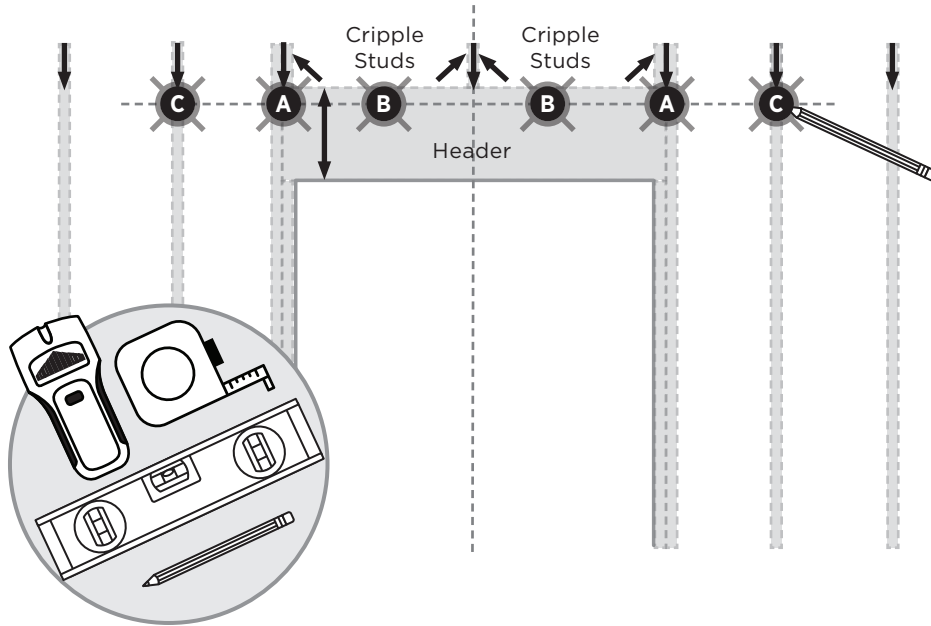
STEP 6A Determine Wall Mount Bracket Locations

For 78- $\frac{3}{4}$ " and 83- $\frac{7}{8}$ " Tracks



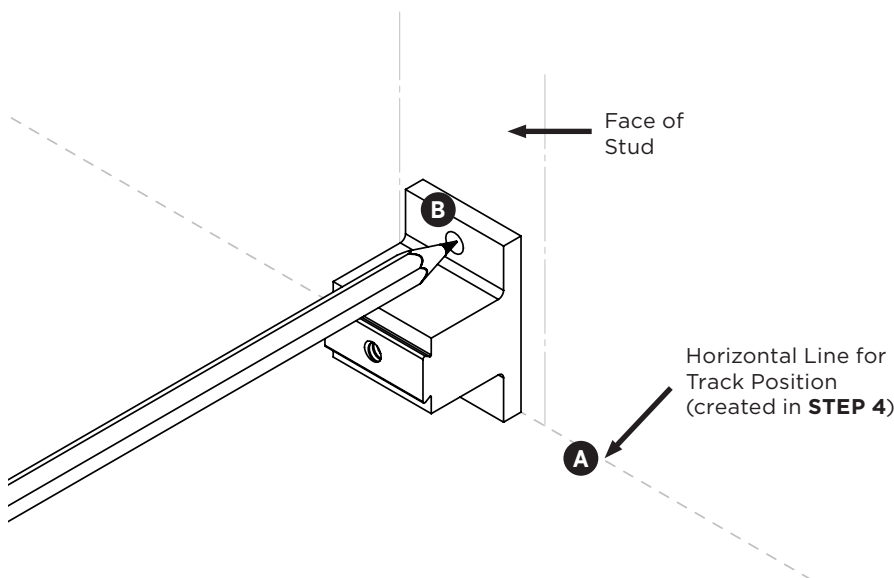
- A) Mark the centre of the King Stud on each side of the opening.
- B) Mark the centre between the (2) King studs if affixing to the header or locate the centre of a cripple stud closest to the middle of the King studs.
- C) Locate the centre of the stud closest to each end of the line. Ensure it is no more than 12" away from the end of the line, otherwise you can use the next stud and reposition the track no more than 4" toward that stud location.

STEP 6B Determine Wall Mount Bracket Locations For 96" Tracks



- A)** Mark the centre of the King Stud on each side of the opening.
- B)** Mark (2) locations approx. Equally spaced between the (2) King stud centers if affixing to the header or locate the centre of (2) cripple studs that are roughly equally spaced between the King studs.
- C)** Locate the centre of the stud closest to each end of the line. Ensure it is no more than 12" away from the end of the line, otherwise you can use the next stud and reposition the track no more than 4" toward that stud location.

STEP 7 Mark Wall Mount Bracket Hole Locations

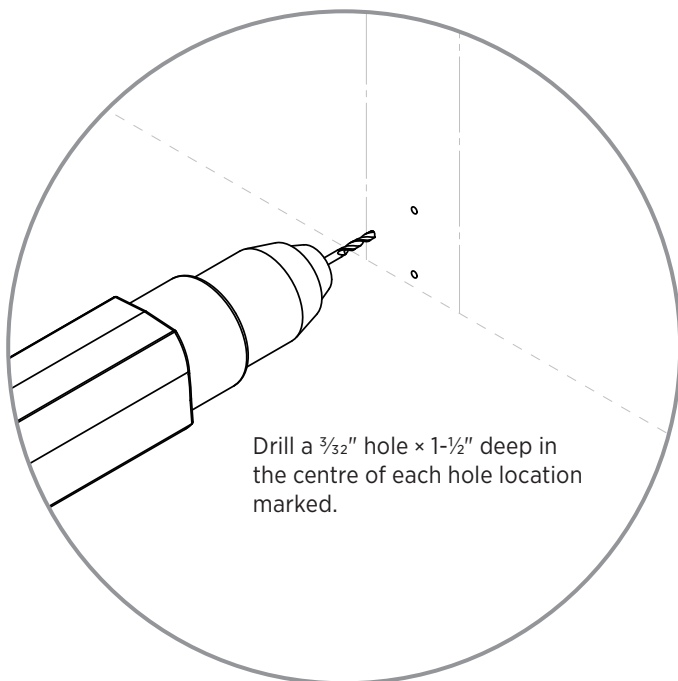


- A)** Position the bottom of a Wall Mount Bracket on the horizontal line at each of the positions noted in Step 6A or 6B (depending on track length) and mark the top and bottom holes. Ensure the holes are centred on the studs.
- B)** Using a pencil to mark the centre of each of the hole locations.

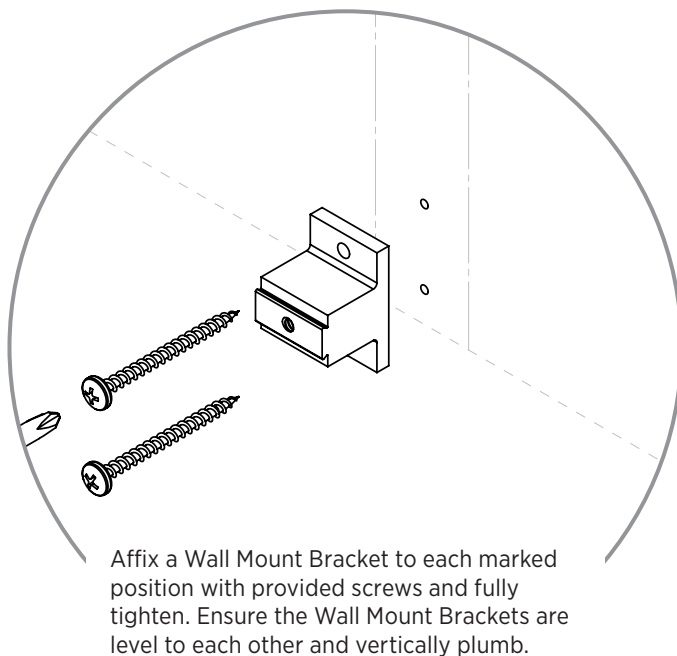
Note: Set the bottom edge of a wall mount bracket on the horizontal line drawn (Step 4) and mark both top and bottom hole locations.

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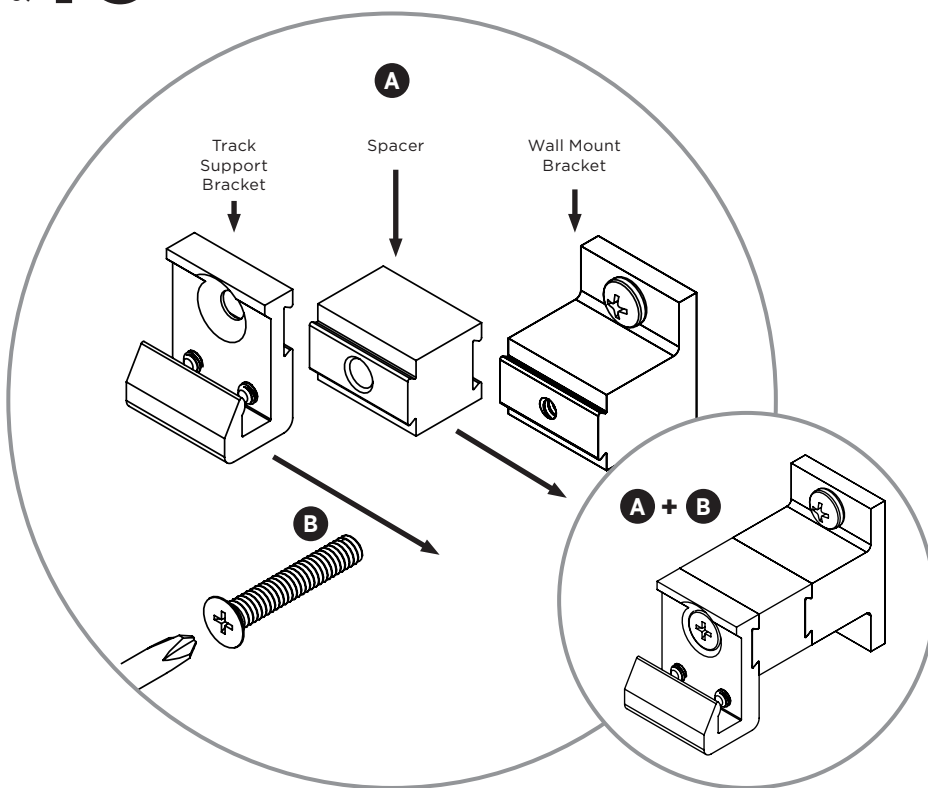
STEP 8 Drill Wall Mount Bracket Hole Locations



STEP 9 Affix Wall Mount Brackets



STEP 10 Affix the Track Supports



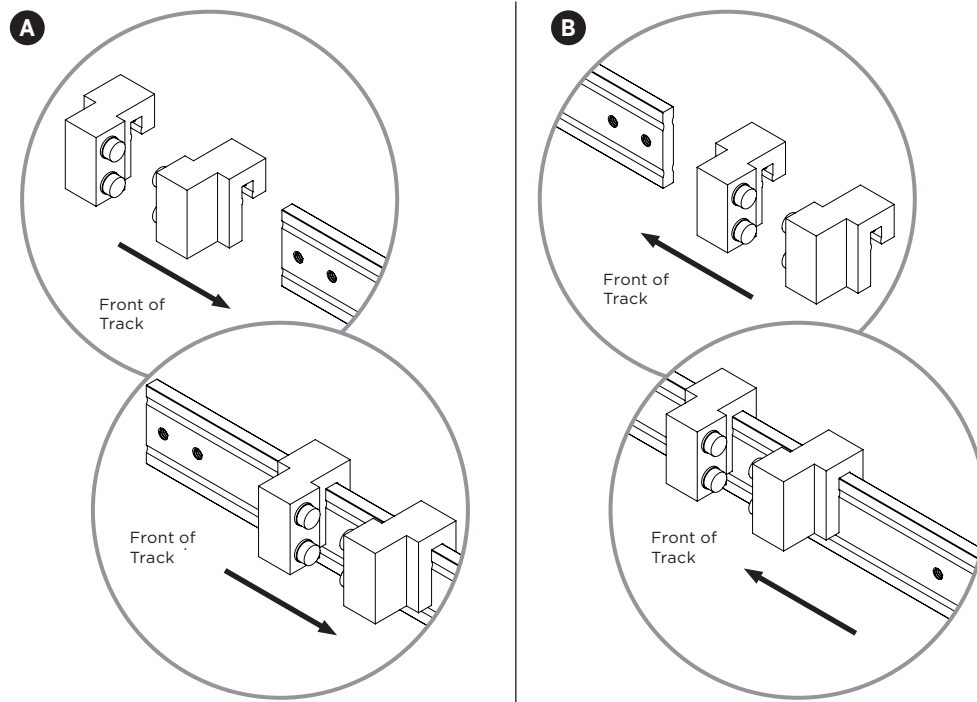
A) Slide the mortise of a Track Support Bracket onto the tenon of the Spacer, then slide the mortise of the Spacer onto the tenon of a Wall Mount Bracket that is already attached. Ensure the Track Support Bracket portion is at the bottom as shown.

B) Insert the bolt through the Track Support Bracket and Spacer into the Wall Mount Bracket. Ensure the sides of the Wall Mount Bracket, Spacer and Track Support Bracket are flush, then tighten the bolt securely.

Repeat for each Wall Mount Bracket location.

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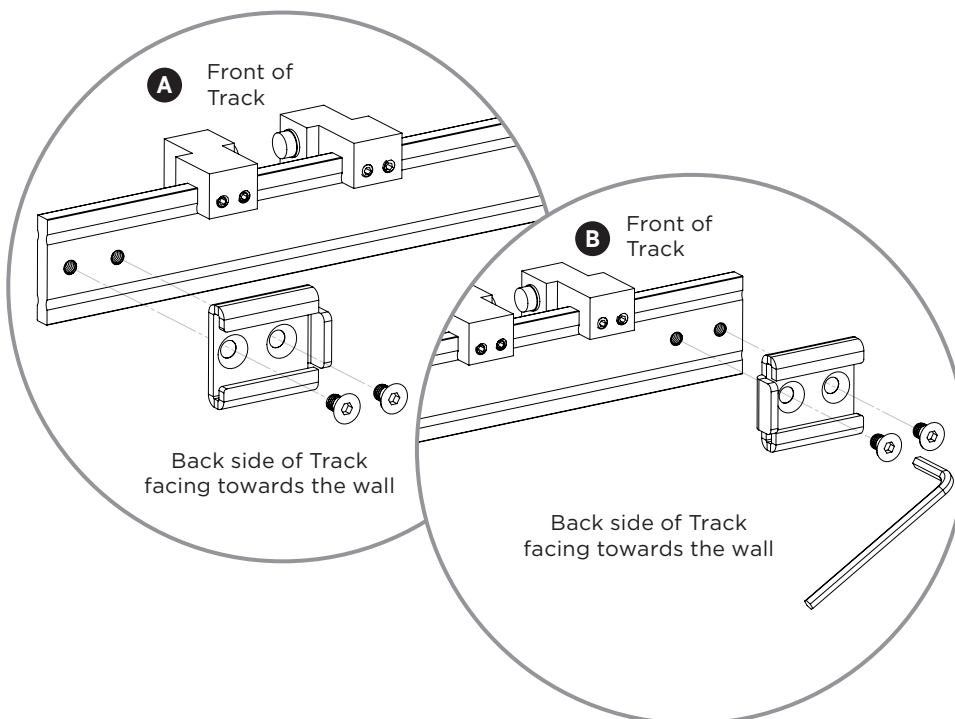
STEP 11 Attach End and Centre Stops onto Track



A) Slide a Left-Hand and a Right-Hand End Stop onto one end of the track, ensuring the rubber bumpers face each other and they are **positioned past the threaded holes** near the end of the track as shown.

B) Repeat for the opposite end of the track.

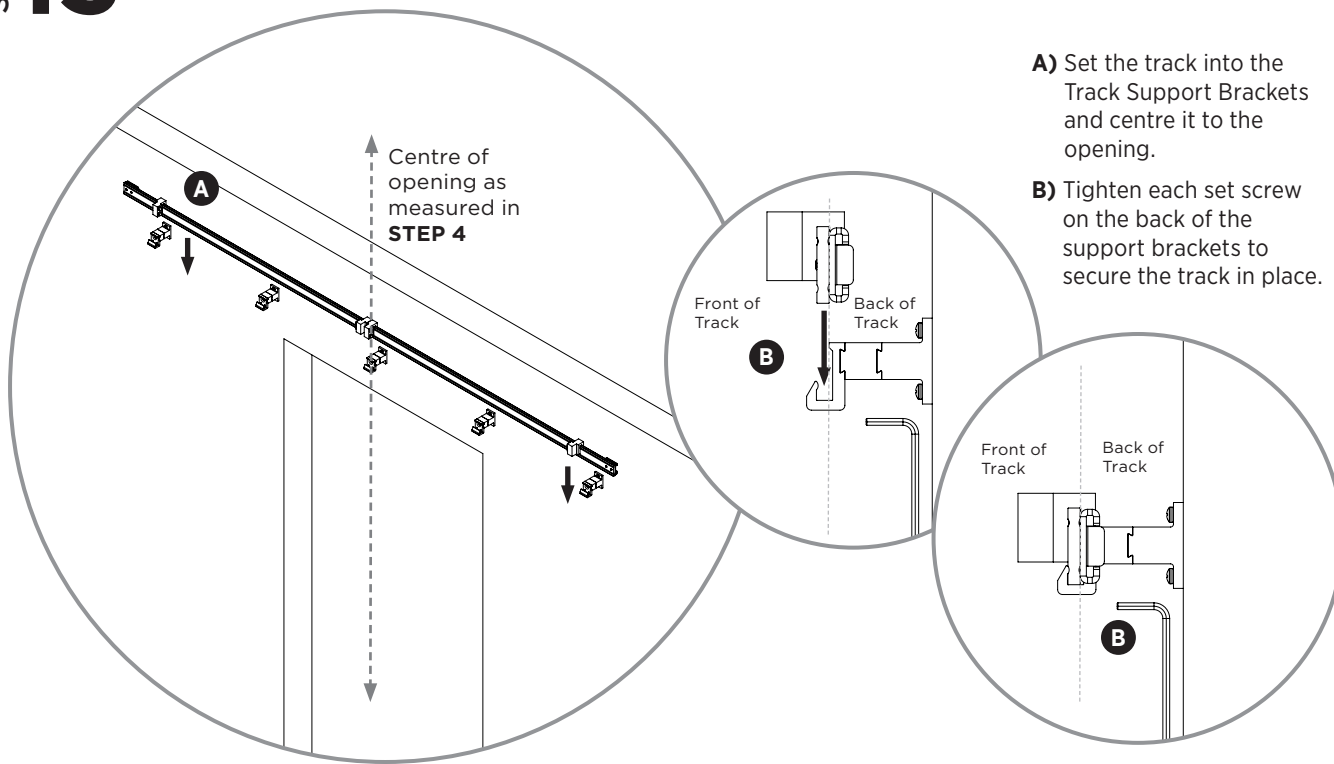
STEP 12 Affix Idler Wheel Mount Brackets



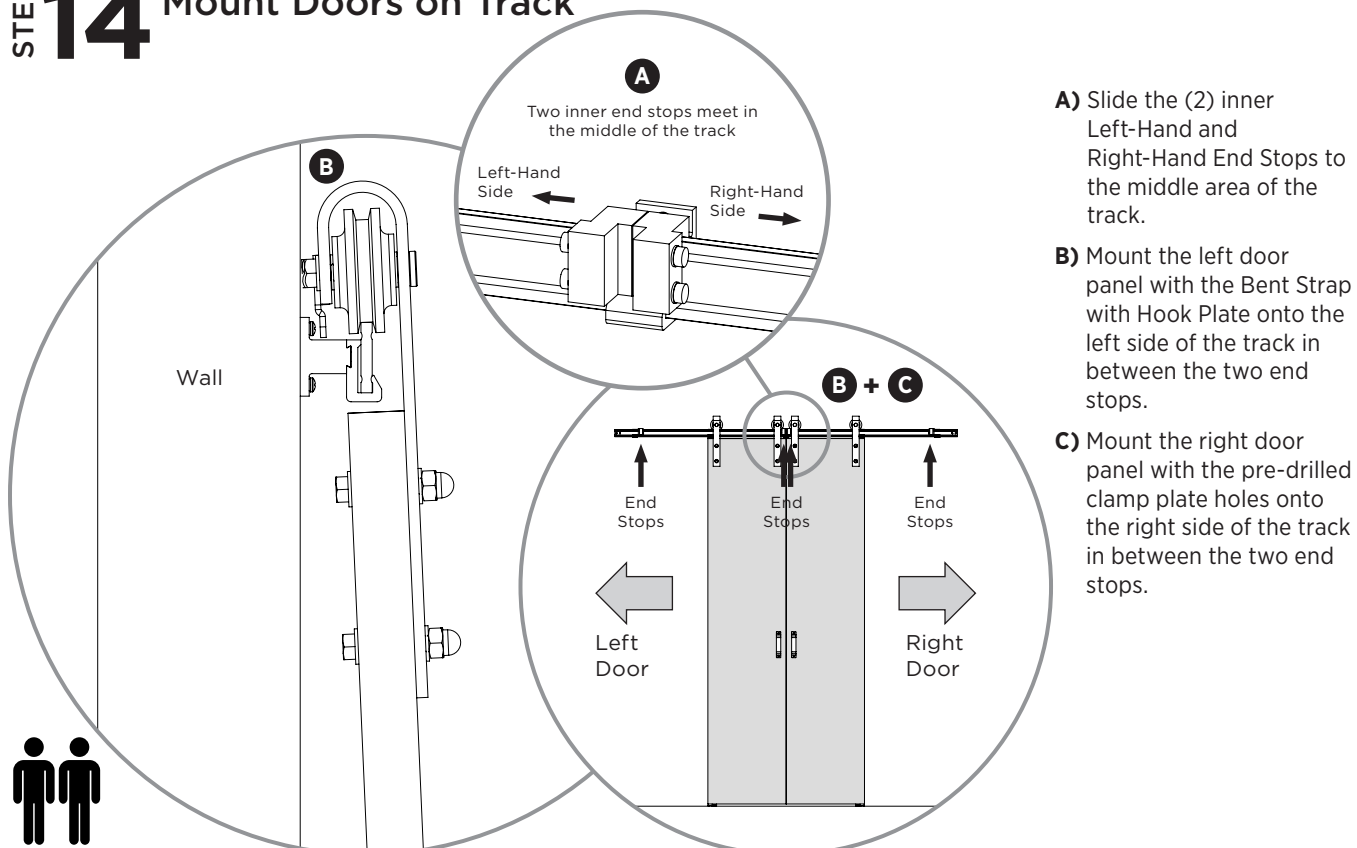
A) Orient an Idler Wheel Mount Bracket to the **back side of the Flat Track** with the open slot facing the end of the track as shown, then affix with the 2 screws and Hex Key provided and fully tighten.

B) Repeat for the opposite end of the track.

STEP 13 Set Track Assembly into Track Support Brackets



STEP 14 Mount Doors on Track



STEP 15 Installing the Floor Door Guide

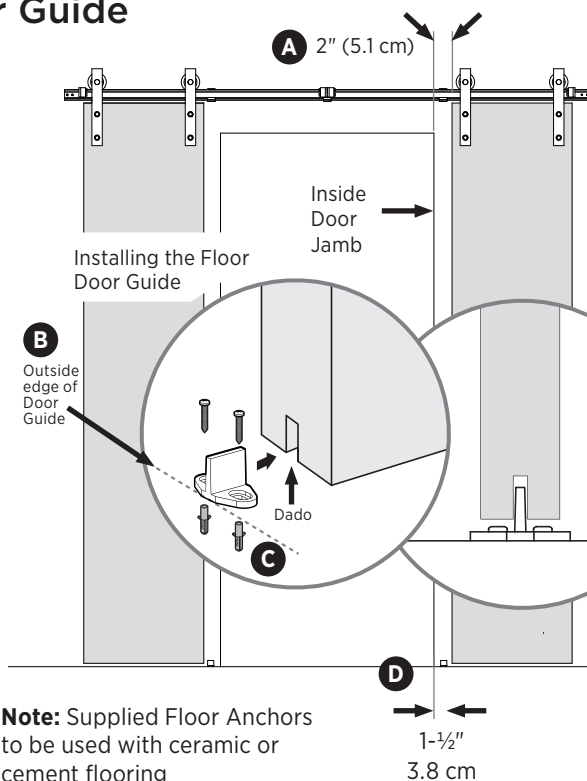
Note: A door guide helps to keep your door stable and limits swinging. The following instructions provided are for the recommended floor door guide. If you prefer to install a wall door guide see below for optional instructions.

FLOOR DOOR GUIDE (Recommended)

- A)** Slide the doors over 2" (5.1 cm) past the door jamb in order to prepare for the Floor Guide.
- B)** Position the outside edge of the Floor Door Guide 1-1/2" (3.8 cm) from the jamb, adjacent to the dado slot and mark the location of the guide on the floor.
- C)** If required, pilot hole drill 1/4" for the floor anchors or secure directly into the floor.

Note: Repeat for the other door.

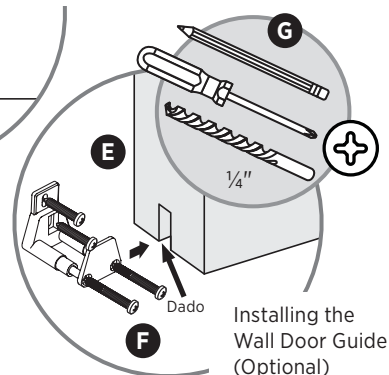
Note: Supplied Floor Anchors to be used with ceramic or cement flooring



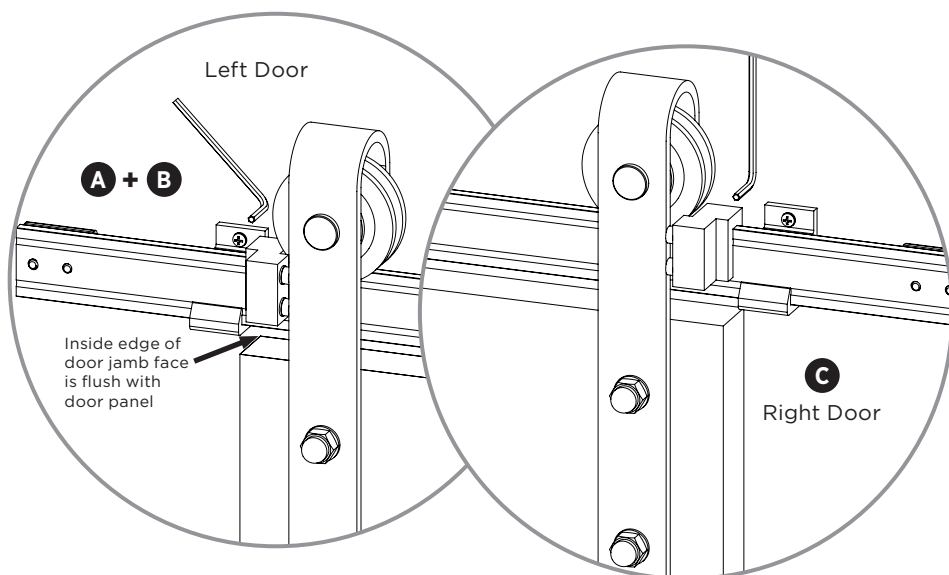
WALL DOOR GUIDE

- D)** With the screws provided secure the guide 1-1/2" (3.8 cm) from the door jamb directly into the baseboard or wall.
- E)** Line up the guide with Dado location by pushing Guide arm in or out until you have the Guide lined up with Dado.
- F)** Pre-insert the screws on the Wall Door Guide Arm by hand.
- G)** Tighten the pre-inserted screws with a #2 Phillips Screwdriver.

Note: Repeat for the other door.



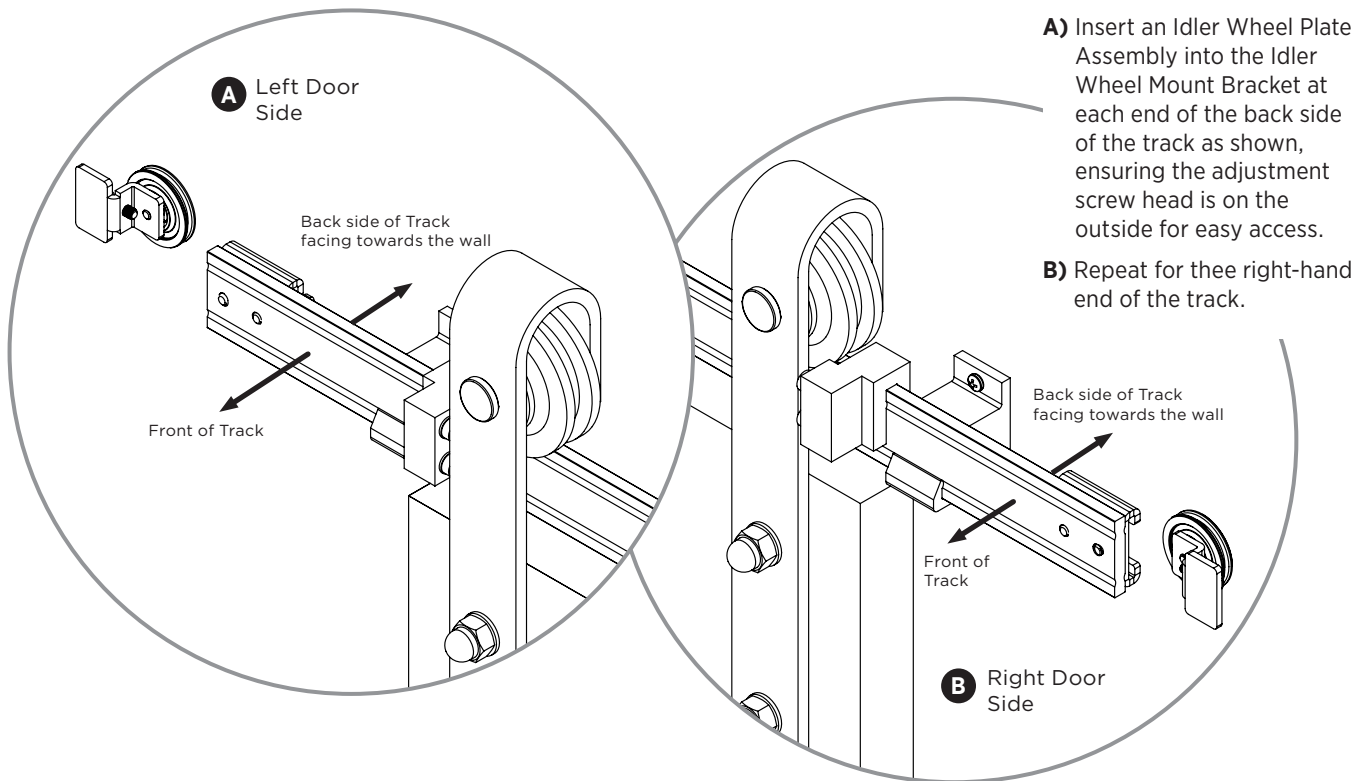
STEP 16 Lock End Stops



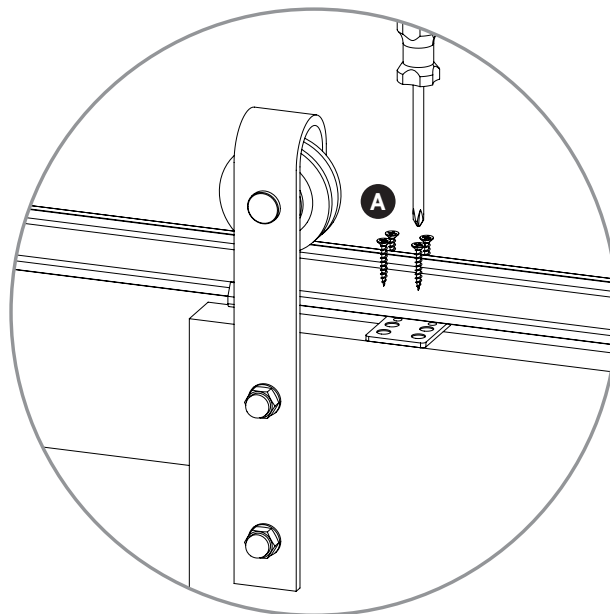
- A)** Move the left door panel to the open position so the leading edge is flush with the inside jamb face.
- B)** Move the Left-Hand End Stop so the rubber bumpers just contact the strap and tighten the set screws at the back until snug with the small Hex Key provided. Do not over tighten.
- C)** Repeat for the right door panel on the right-hand end of the track.

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STEP 17 Insert Idler Wheel Bracket Assemblies



STEP 18 Affix Clamp Plate Assembly



A) (Using the holes that were drilled in Step 1A for 1- $\frac{1}{4}$ "-to-1- $\frac{3}{4}$ " Doors or Step 1B for 1" Doors) Retrieve the Clamp Plate Assembly and Position it over the pre-drilled holes on the top edge of the right door with the clamp portion facing towards the wall and secure with provided screws using a #2 Phillips screwdriver.

Note: For 1" thick doors, affix (2) screws into the top of the door and (2) machine screws stored in Step 1 into the support bracket.

STEP 19 Attach Synchro Cable to Hooks and Idler Wheels

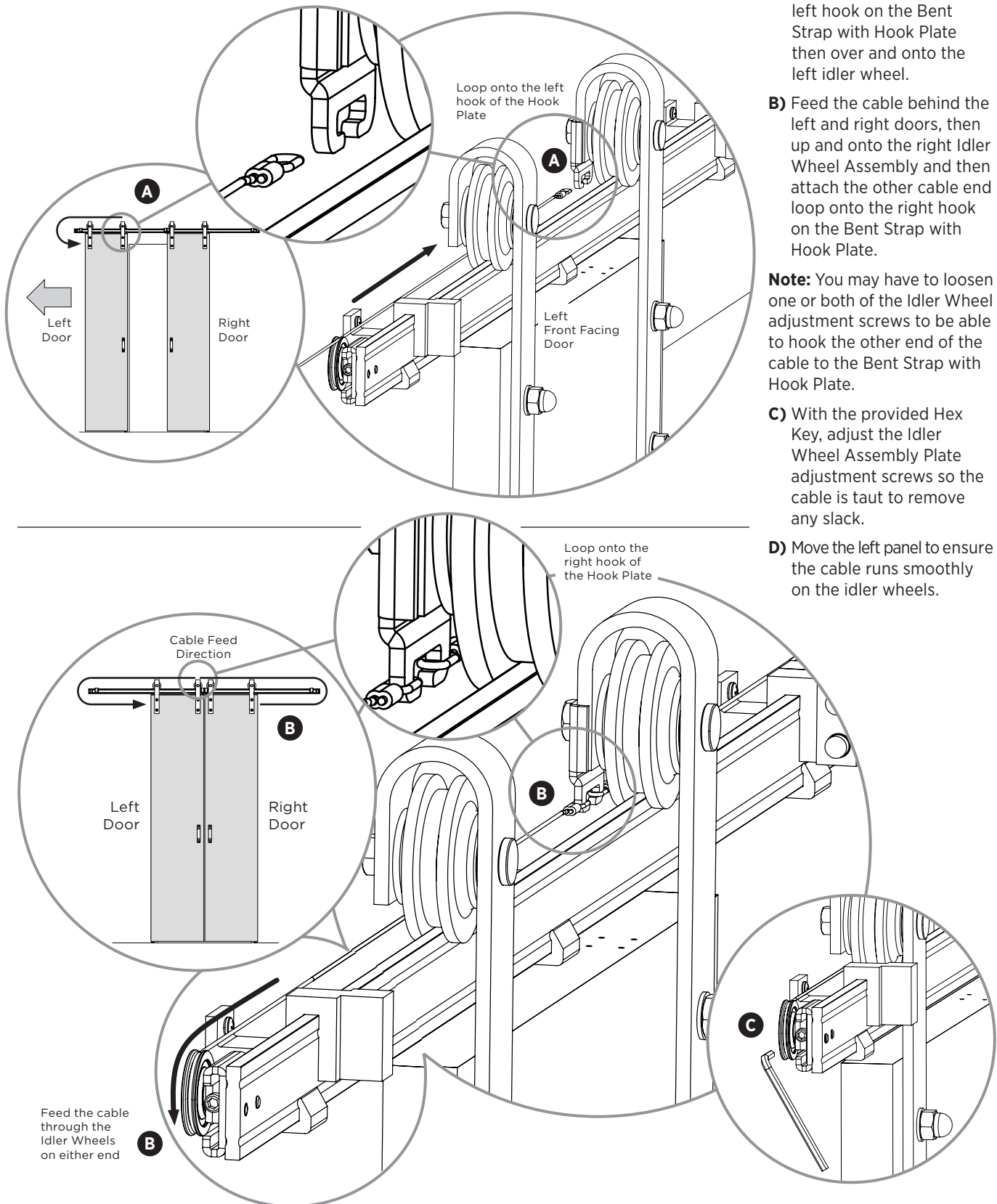
A) Move the left door panel to the full open position, then attach one of the cable end loops onto the left hook on the Bent Strap with Hook Plate then over and onto the left idler wheel.

B) Feed the cable behind the left and right doors, then up and onto the right Idler Wheel Assembly and then attach the other cable end loop onto the right hook on the Bent Strap with Hook Plate.

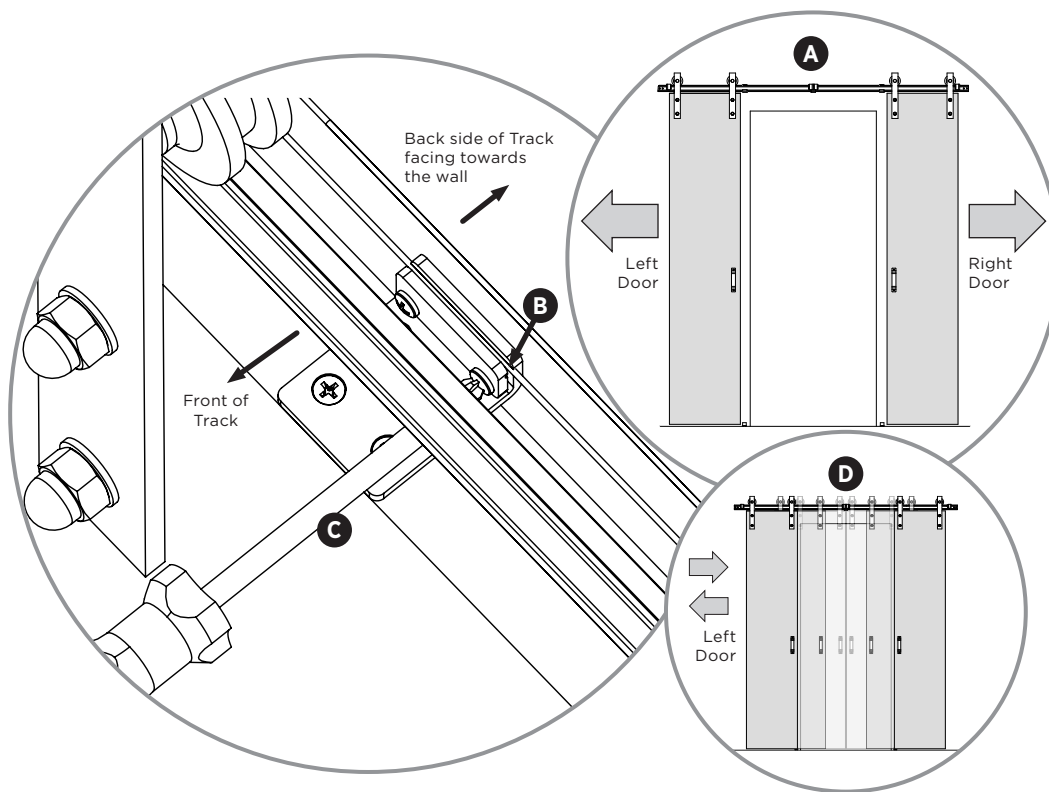
Note: You may have to loosen one or both of the Idler Wheel adjustment screws to be able to hook the other end of the cable to the Bent Strap with Hook Plate.

C) With the provided Hex Key, adjust the Idler Wheel Assembly Plate adjustment screws so the cable is taut to remove any slack.

D) Move the left panel to ensure the cable runs smoothly on the idler wheels.

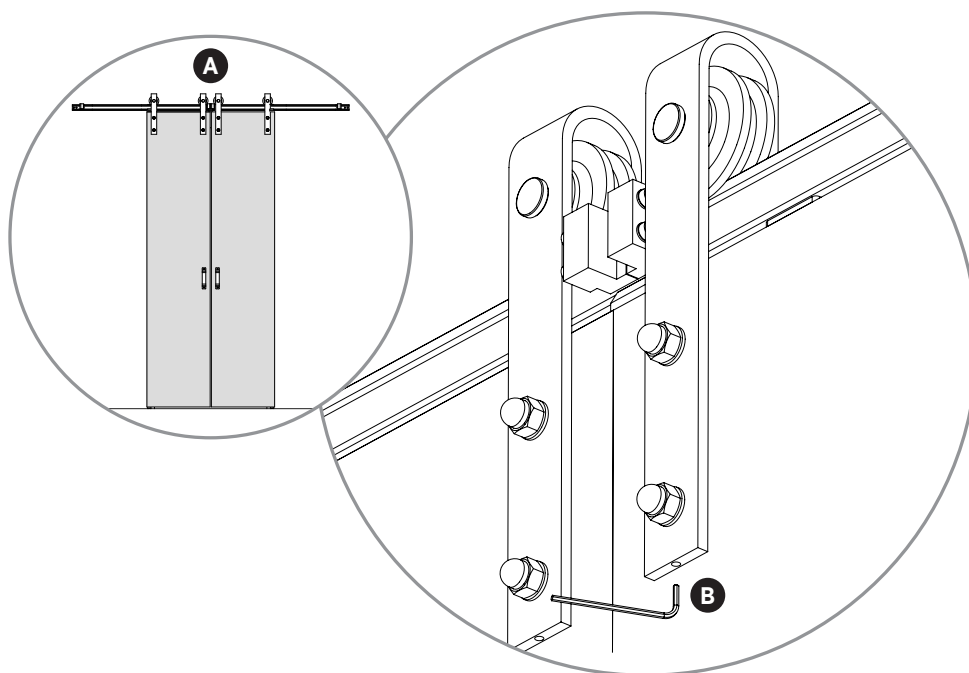


STEP 20 Attach Cable to Clamp Plate Assembly



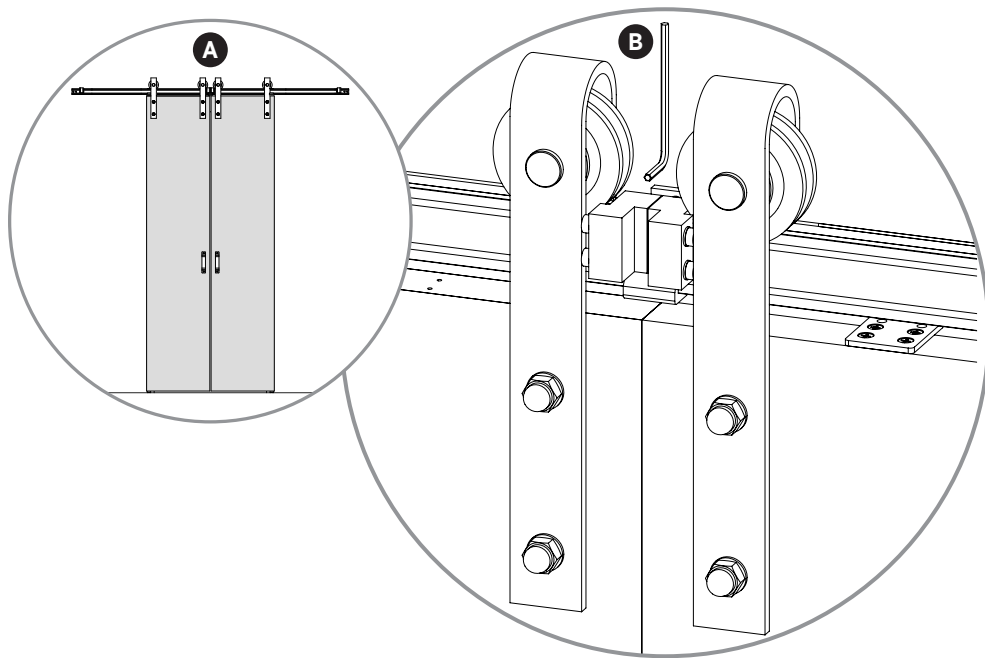
- A)** Move the left and right doors to their full open position against the outside End Stops.
- B)** On the right door, position the cable in between the Clamp Plate Assembly.
- Note:** It may be necessary to loosen the cap screws on the Clamp Plate Assembly to open the gap to get the cable in.
- C)** Once the cable is sandwiched in between the Clamp Plate Assembly fully tighten the screws to secure the cable tightly.
- D)** Move the left door to check it smoothly operates the right door.

STEP 21 Plumb Doors



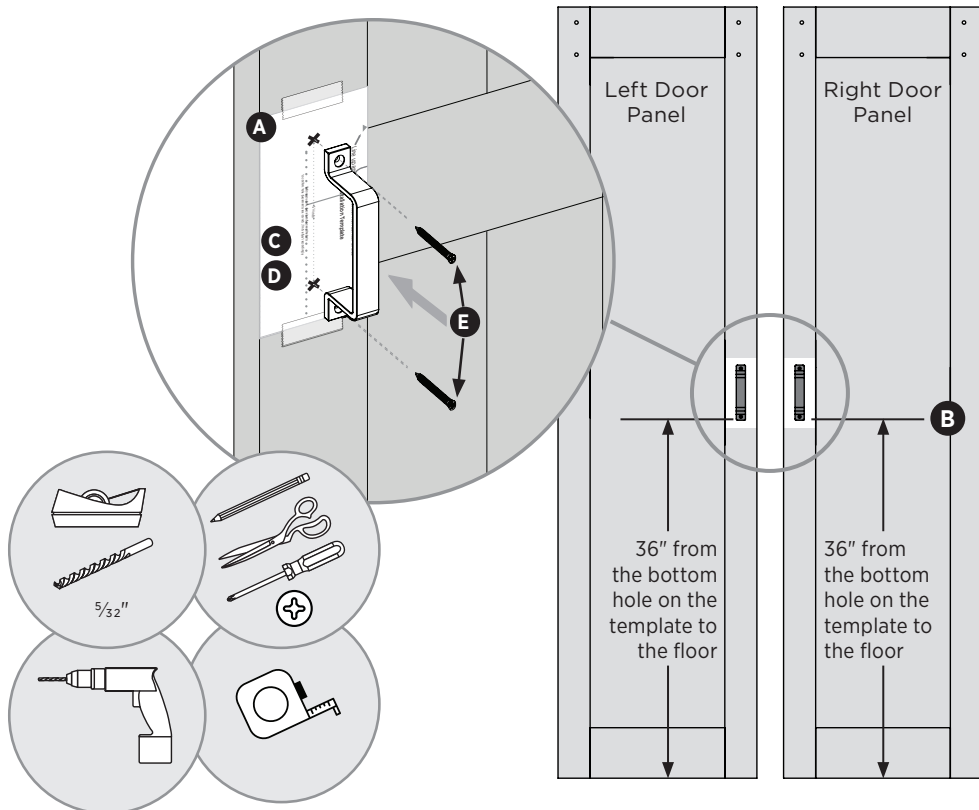
- A)** Move the doors to the center (closed position) and check the tops of the doors are at the same height and the sides meet flush.
- B)** If doors do not meet flush, loosen both strap bolts on one of the Adjustable Bent Straps and adjust the height with the Hex Key provided. Once level at the top and flush down the sides, re-tighten the bolts.
- Note:** It may be necessary to loosen 2 or 3 straps and adjust them to achieve the proper alignment.

STEP 22 Lock Center Stops



- A)** With the doors in the fully closed position, move the (2) center stops so the rubber bumpers contact the straps on the left-hand and right-hand doors.
- B)** Hand tighten the set screws with the Hex Key provided until snug. Do not over tighten.

STEP 23 Affix Handles



- A)** Cut out the **handle template** at the end of the document.
- B)** Position the template onto the outside stile of the door at 36" to the bottom hole from the floor, and secure with low tack tape.
- C)** Use an awl or a nail to poke a small hole through each center "X" on the template to mark the pilot hole location.
- D)** Remove the template and repeat for the outside stile of the other door panel as per above.
- E)** Drill pilot holes approx. 3/4"-deep with a 5/32" drill bit at all 4 marked locations.

Note: It is recommended to apply some masking tape to the drill bit, leaving 3/4" exposed as a guide.

Warranty, Care & Maintenance

BASIC BARN DOOR CARE & MAINTENANCE

- Before you remove the door from its protective plastic bag, we advise that the door is acclimatized in the room you plan to install the door for 24 hours.
- Avoid installing near rooms with moisture or where temperatures change through the seasons (optimal relative humidity in your home to prevent warp, twist, swelling, or shrinking in any wood product is 45% – 60%. Anything outside these parameters and their effects are not the responsibility of Renin).
- Immediately clean spills with terry cloth or micro fiber to avoid damaging the surface. Do not use any hard tools or such that may scratch the surface, including pressure washers.
- Hang one door per track or a maximum weight of 250 lbs for two bypass doors (bypass hardware sold separately).
- Install indoors only.
- Do not trim the door.
- Lift and install with two people.

SOLID WOOD BARN DOOR (SPECIFIC CARE & MAINTENANCE)

- Do not clean with solvents or commercial cleaners as they may damage the finish and / or distort the natural texture of the wood. When cleaning, wipe with a damp cloth or sponge. For persistent stains, try baking soda and water in small test area before attempting to remove the stain.
- For painted doors, a good quality oil based primer and oil based paint to be used in finishing. Consult a paint professional where you purchased this door for their recommendations. Typically sanding the entire door with 220 grit sandpaper, then applying two coats of your desired finish is adequate to get your desired finish.
- For stained doors, a high quality water-based or oil-based stain is recommended. Follow the stain manufacturer's instructions, and do not thin the stain with any chemicals or water. In a high humidity environment use an oil based stain.
- BE SURE TO FINISH ALL SIX SURFACES. Your door, as typical of all wood products, is subject to swelling and shrinkage when changes occur in temperature and the relative humidity in your home.
- Inspect your door's finish at least once a year and re-finish as necessary, clean only twice a year or as needed.
- It is important that you take care to properly finish this wood door. After you have removed the door from its protective plastic bag, it must be finished and sealed on all six sides ideally within 24 hours. Sealing the door properly will prevent door movement, such as warping and twisting, that occurs if the door is not sealed. Failure to seal the door properly will void the manufacturer's warranty.
- Pre-drill any holes for hanging straps (where applicable) and before applying any additional accessory hardware.

PRE-STAINED BARN DOOR (SPECIFIC CARE & MAINTENANCE)

Our barn doors are hand crafted and stained by our artisan painters to offer a premium quality and one of a kind finish to your door. Please note there may be imperfections in the wood and stain due to the nature of the materials used to create this natural and authentic appearance. As our barn doors are hand stained, they will emit an odor. The door has been placed in a protective plastic sleeve to ensure it arrives to you in the best condition possible. The sleeve does not allow the stain to off-gas as it would had the door not been protected. The smell could last from a few days to one week depending on the ventilation in the room and will decrease over this time. You may choose to leave the door in a low traffic area of your home until the smell has dissipated and the door has acclimatized to the humidity levels in your home (Opening of a window or two will help to ventilate the area and speed up the process). Any alternative methods to remedy the odor are at the purchaser's preference. Please use at your own discretion.

- Do not clean with solvents or commercial cleaners as they may damage the finish on the door. When cleaning, wipe with a damp cloth or sponge in a small test area before attempting to remove any stain.
- Pre-stained barn doors offers an easy-to-maintain solution that is ready-to-hang.
- Because the barn door is pre-stained, do not paint or stain the door. By doing so, the stain will be damaged and will void the manufacturer's warranty.

ENGINEERED WOOD BARN DOOR (SPECIFIC CARE & MAINTENANCE)

- Engineered barn doors are finished with scratch resistant wrapped paper. Each design is pre-finished and offers an easy-to-maintain solution that is ready-to-hang.
- Because the barn door is pre-finished, do not paint or stain the door. By doing so, the wrapped paper will be damaged and will void the manufacturer's warranty.
- Do not clean with solvents or commercial cleaners as they may damage the finish on the door. When cleaning, wipe with a damp cloth or sponge in a small test area before attempting to remove any stain.
- Pre-drill any holes for hanging straps (where applicable) and before applying any additional accessory hardware.
- Engineered barn doors are not recommended to be used with the Top of Door mounting straps due to the nature of the wood composite.

5 YEAR LIMITED WARRANTY

Products warrantied against manufacturing defects for up to five years from the purchase date. The warranty applies only to the original purchaser of the product.

If a product is determined to be defective due to a manufacturing defect, a replacement product will be supplied. The scope of the warranty is limited to replacing the product and does not include labor required to install, repair or deliver, or any costs related to removing the existing product.

This warranty is void in the event that the product is damaged in transit, or if damage or failure is caused by abuse, misuse, storage of products in an improper environment, abnormal usage, faulty installation, failure to follow installation instructions, damage in an accident, improper maintenance, or any repair.

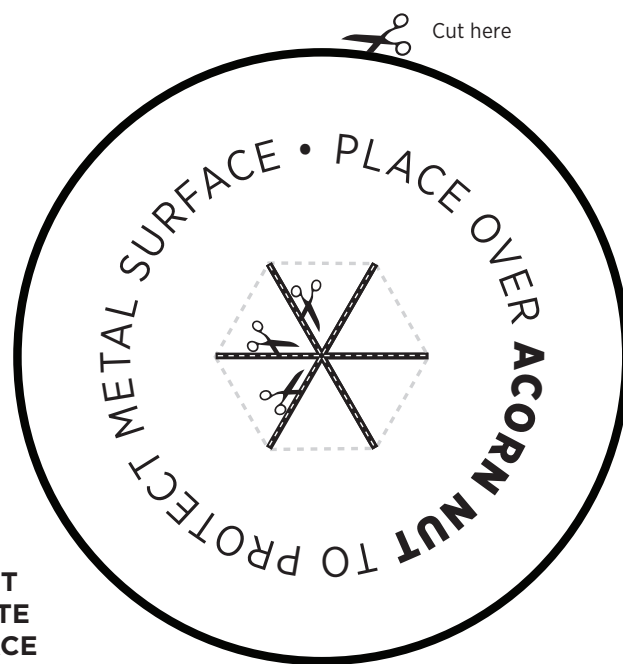
We reserve the right to inspect any claim prior to issuing credit.

Acorn Nut Protector Template



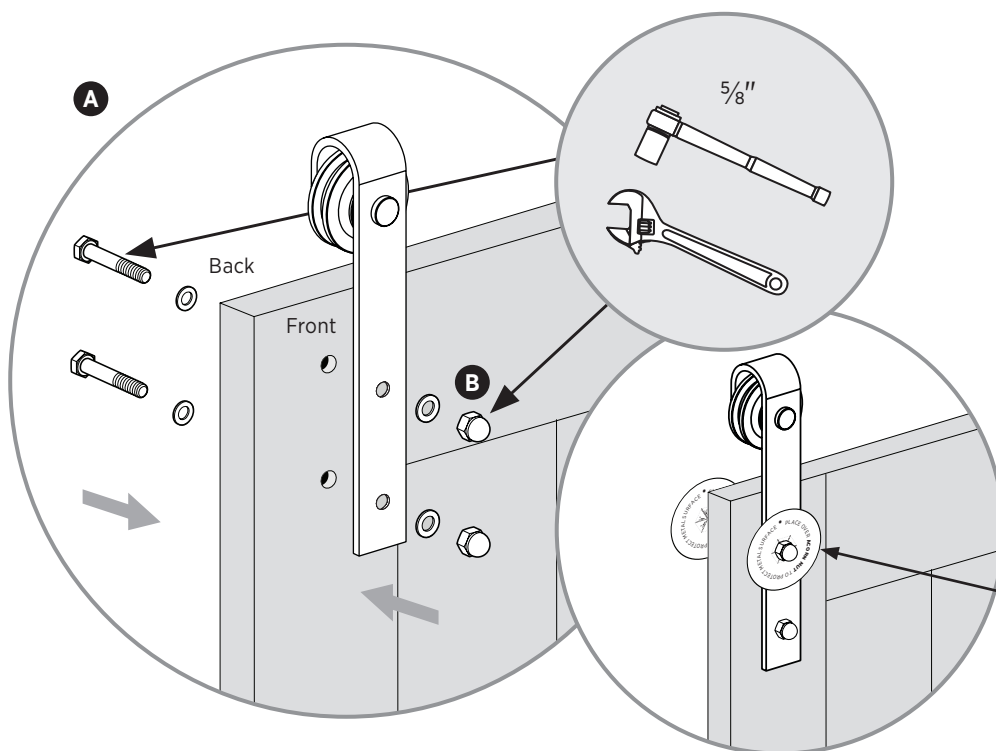
For back of door

**CUT OUT
TEMPLATE
AND PLACE
OVER ACORN NUT
TO PROTECT METAL
SURFACE**



For front of door

Template Tip



A) From the back of the door, position the Bent Strap Mounting Bolt and a Washer. From the front of the door position the Bent Strap, Washer and Acorn Nut. Tighten by hand to secure the hardware.

B) Place the $\frac{5}{8}$ " Deep Socket Wrench on the Acorn Nut at the front of the door. Place the Adjustable Wrench on the Mounting Bolt at the back of the door.

C) Repeat **Steps A and B** for the remaining Bent Strap hardware.

Note 1: Use the above template to protect the metal surface of the Acorn Nut and Strap.

Note 2: Do not over tighten

Handle Template

PRINT THIS PAGE AT 100%
DO NOT SCALE

