

BARN DOOR HARDWARE KIT
TSQ04SN-B-2-a+KD01-36
INSTALLATION GUIDE

Main Components

x1 Rail	x2 Anti-jump Block	x2 Bent roller	Hex Bolts M10x55mm (x 4) 25/64" x 2 3/16" M10x60mm (x 4) 25/64" x 2 3/8"	x2 (4.2mm x 35mm) 3/16" x 1 3/8" Floor Screws	x2 5/16"(8mm) Floor Anchor	x1 Internal Floor -Mounted Door Guide		
x5 Wall Spacer	x5 (10mmx30mm) 3/8"x1 3/16" Wall Anchors	x5 (8mmx60mm) 5/16"x2 3/8" Hex Bolt	x5 (8mmx90mm) 5/16" x 3 9/16" Wall Screw	x5 Washers	x1 Right Stopper	x1 Left Stopper	x1 Handle	x1 Allen Key

Tools Required

Tape Measure	Pencil	Cordless Drill	Phillips Screwdriver	Wrench	1/4" Mortise Router Head Required for Floor-MountedDoor Guide InstallationAllen	Level
Speed Square						

IMPORTANT: BEFORE YOU BEGIN

IF INSTALLING DIRECTLY INTO A NON-CONCRETE WALL, DO NOT ATTEMPT TO INSTALL THE RAIL SOLELY TO THE DRYWALL OR ANY WALL SURFACE AS THIS MAY NOT SUPPORT THE WEIGHT OF THE RAIL AND MOUNTED DOOR. THE RAIL MUST BE INSTALLED ONTO A PIECE OF SOLID WOOD BLOCKING (SOLD SEPARATELY) USING MOUNTING SCREWS (ALSO SOLD SEPARATELY). ENSURE THE SOLID WOOD BLOCKING IS SECURED INTO THE STRUCTURAL SURFACE. USE A STUD FINDER WHERE NECESSARY TO LOCATE STUDS AND SECURE SAFELY. TYPICAL SOLID WOOD BLOCKING SHOULD BE 81 3/4" x 5 1/2" x 7/8" .

NOTE, SEPARATE BOLTS ARE PROVIDED FOR 1 3/8" DOORS AND LONGER BOLTS PROVIDED FOR 1 3/4" DOORS. IF INSTALLING WITH THE INTERNAL FLOOR-MOUNTED DOOR GUIDE, THE DOOR MUST BE MORTISED 1/4" WIDE X 3/4" DEEP CENTRALLY.

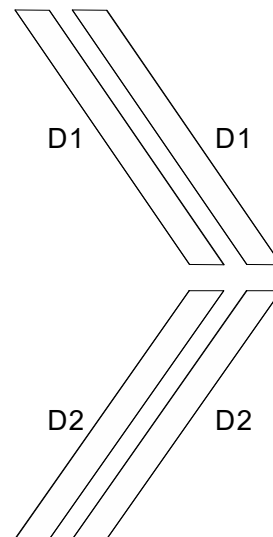
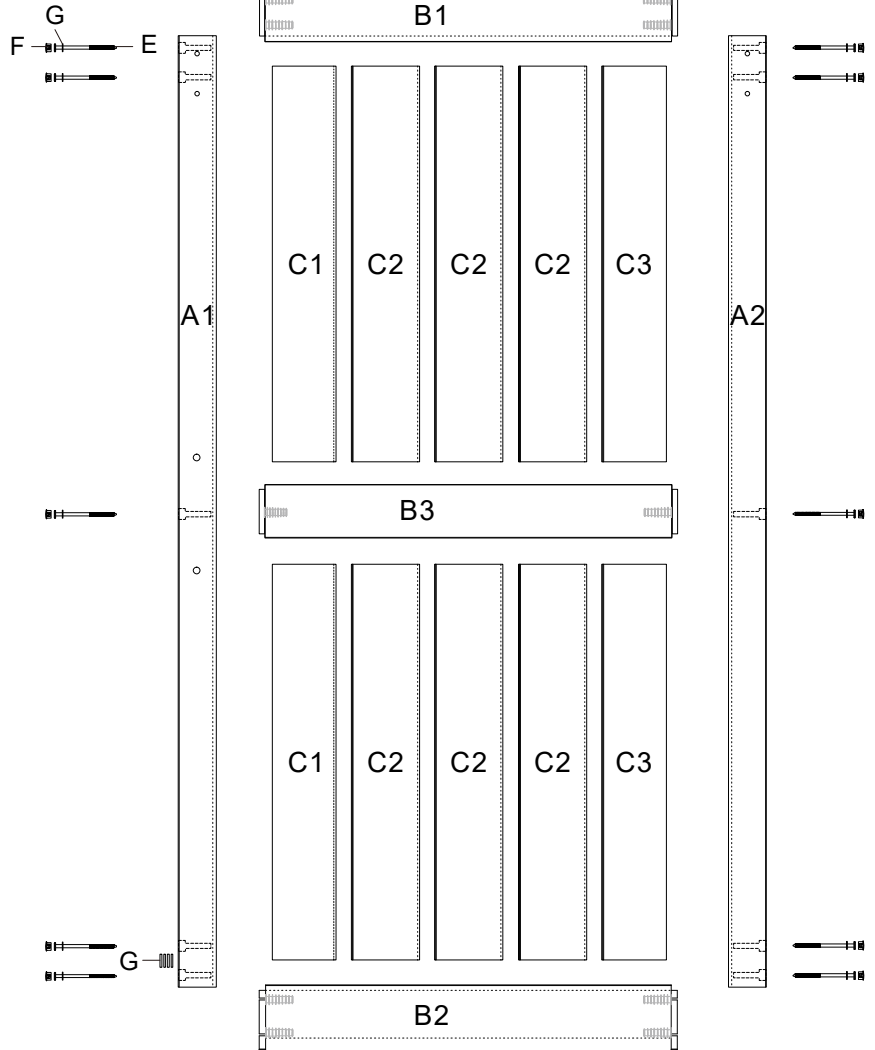
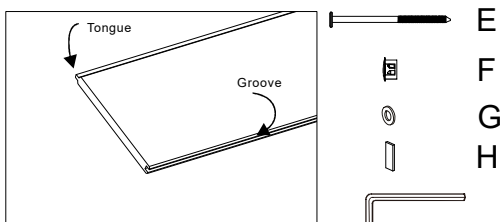
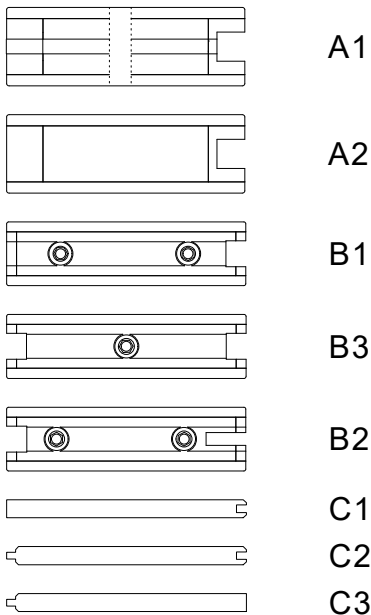
INSTRUCTIONS

H-Barn Door Installation Instruction

Package List

A1A2	Side Stile	*2
B1	Top Rail	*1
B2	Bottom Rail	*1
B3	Middle Rail	*1
C1	Left Side Slat	*2
C2	Middle Side Slat	*6
C3	Right Side Slat	*2
D1	K Diagonal Overlay (with 3M Tape)	*2
D2	K Diagonal Overlay (with 3M Tape)	*2
E	Carriage Bolt	*10
F	Plastic Cap	*10
G	Washer	*10
H	Gasket	*4
	Spanner	

Stile and Slat End Views

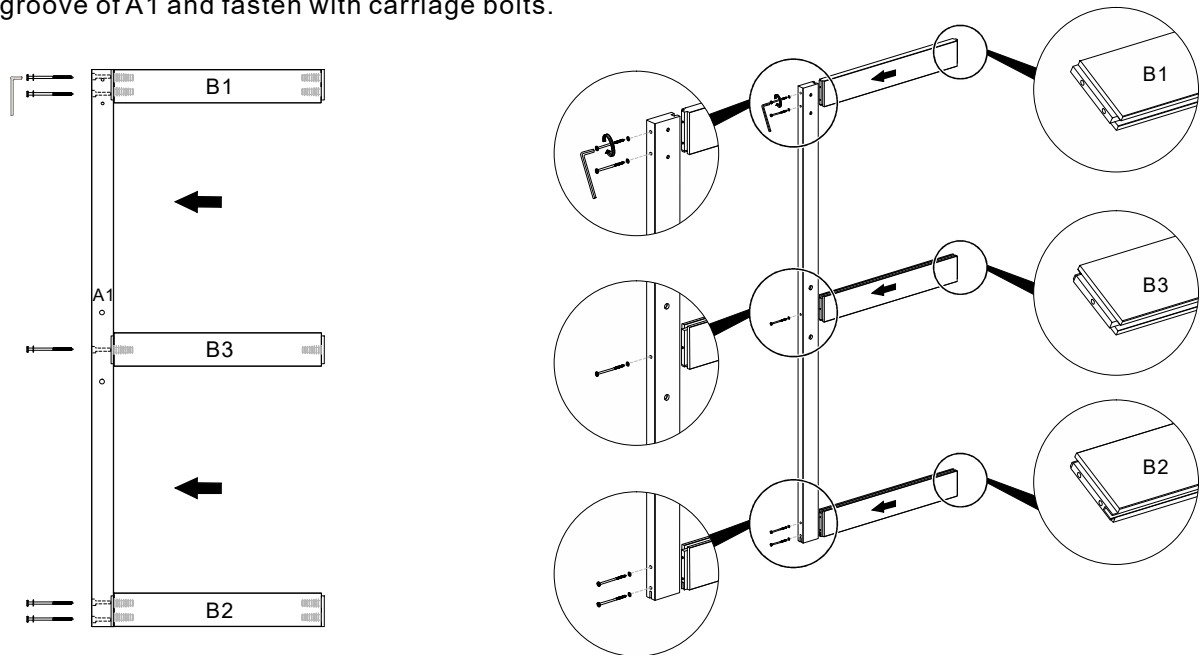


Note: Gasket(H) is spare. If the door core board is loose, add 4 gaskets in the groove at bottom of side stile.

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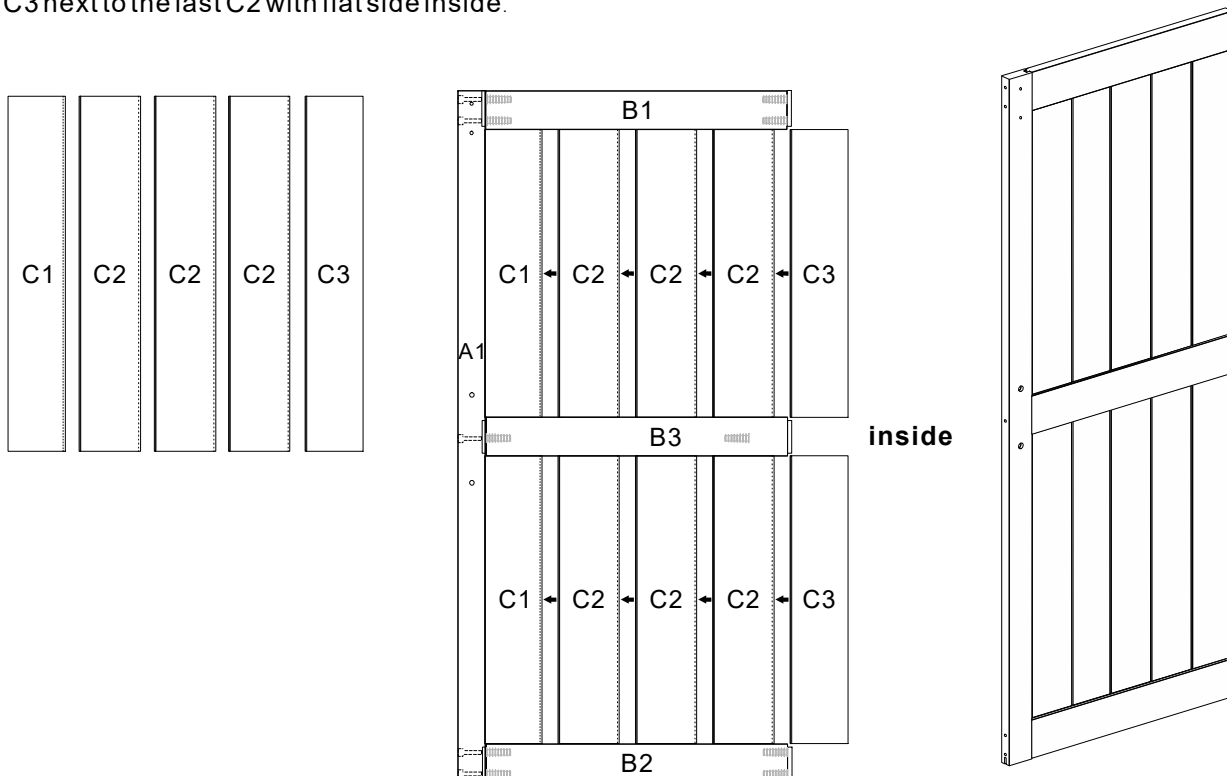
Step 1.

Lay out **Side Stile A1** on flat, clean surface. Make sure the groove side is to the inside.
 Attach **B1 Top Rail**, **B2 Bottom Rail** and **B3 Middle Rail** to **Side Stile A1** by inserting the tongues into the groove of A1 and fasten with carriage bolts.



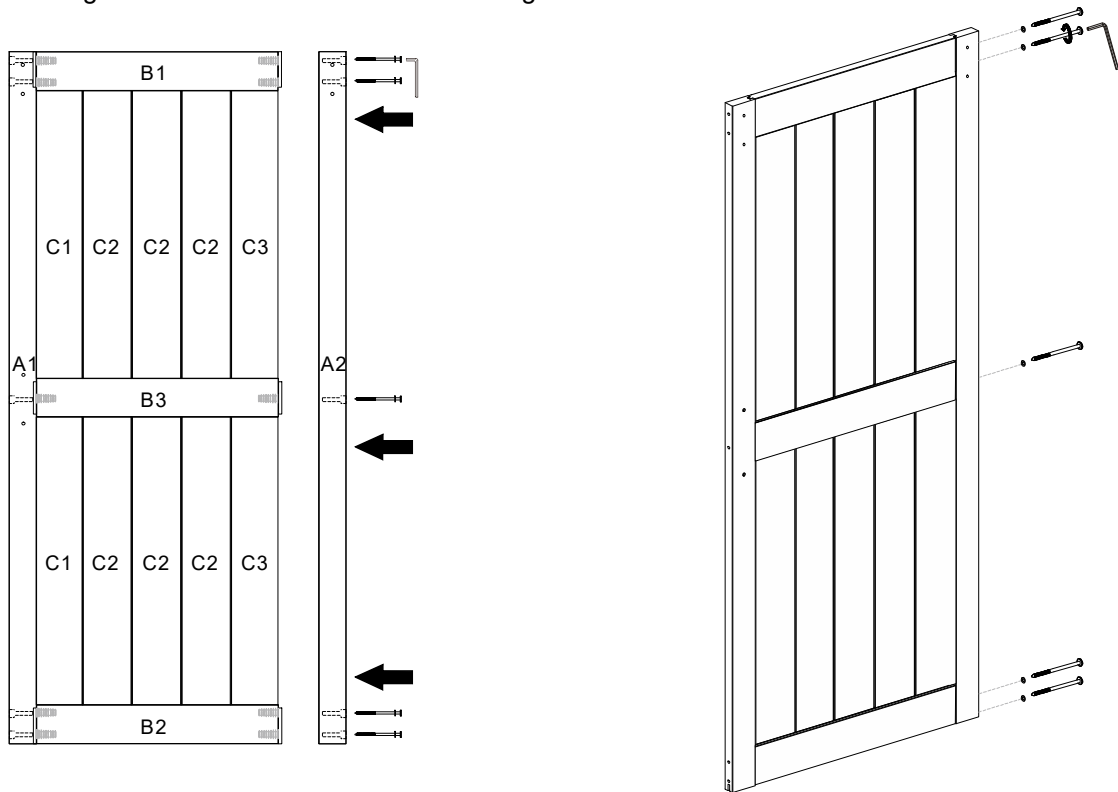
Step 2.

Assemble **C1 Left Side Slat**, **C2 Middle Side Slat**, **C3 Right Side Slat** as shown in figure.
 Make sure C1 tongue facing inside, C2 next to C1 with the tongue facing inside,
 C3 next to the last C2 with flat side inside.



Step 3.

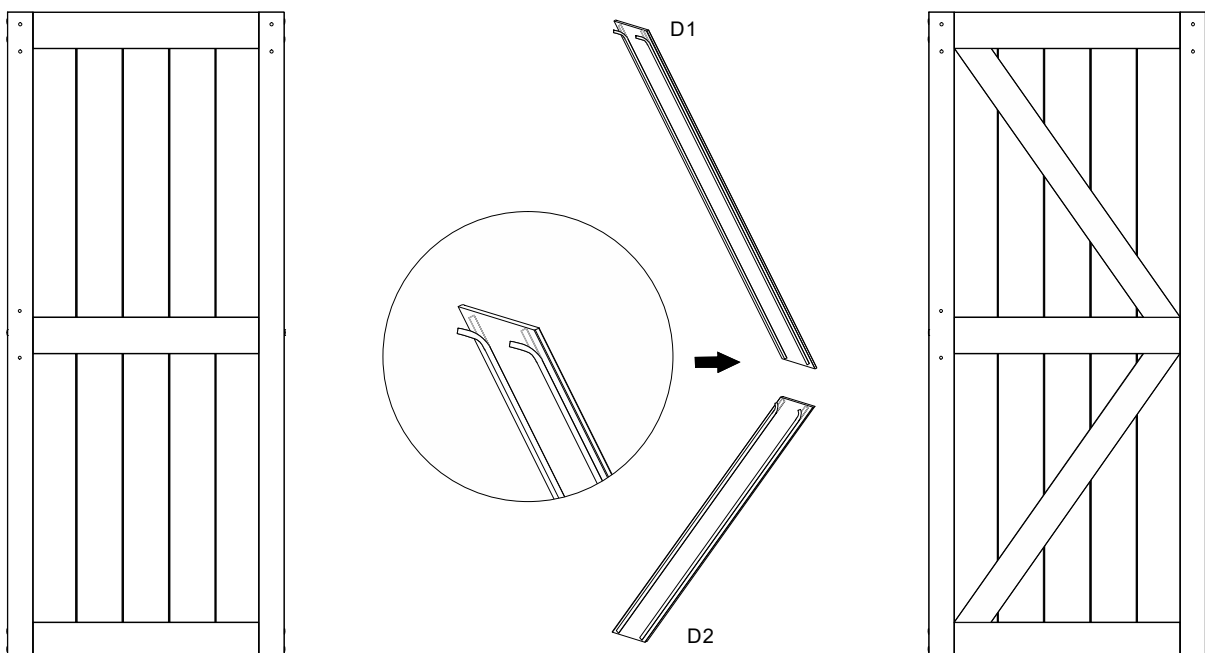
Place the other **Side Stile A2** beside the assembled **Rails** and **Side Slats** by inserting the rails' tongues to the groove of **A2** and fasten with carriage bolts.



Step 4.

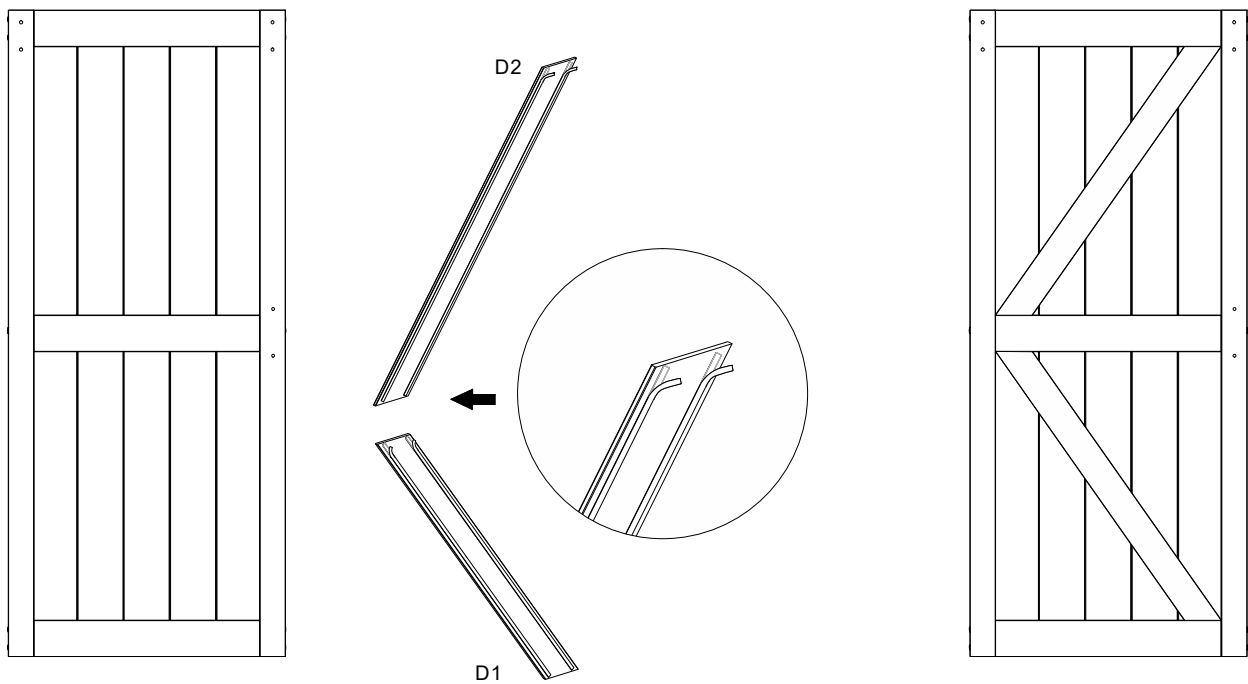
Remove the cover of the tape and adhere **K Diagonal Overlays** D1/D2 onto the assembled door surface on both sides.

Make sure **K Diagonal Overlays** lay flush against rails.



Do this for both sides of the door.

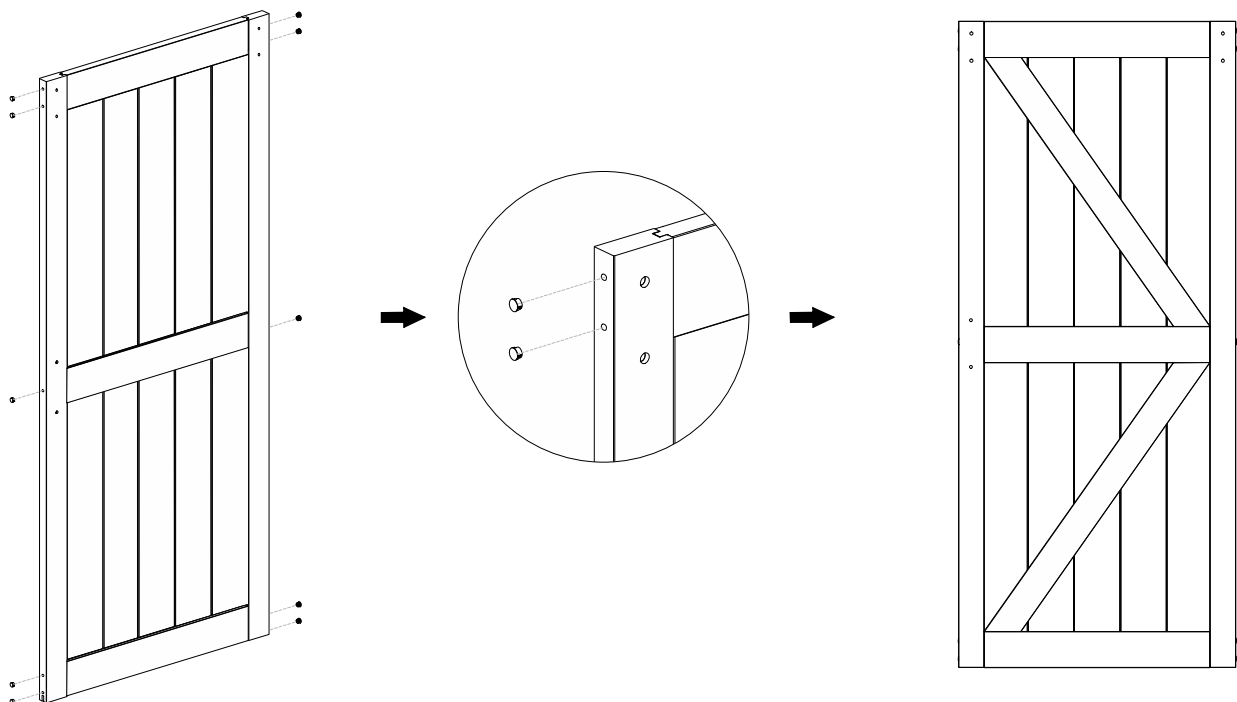
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Do this for both sides of the door.

Step 5.

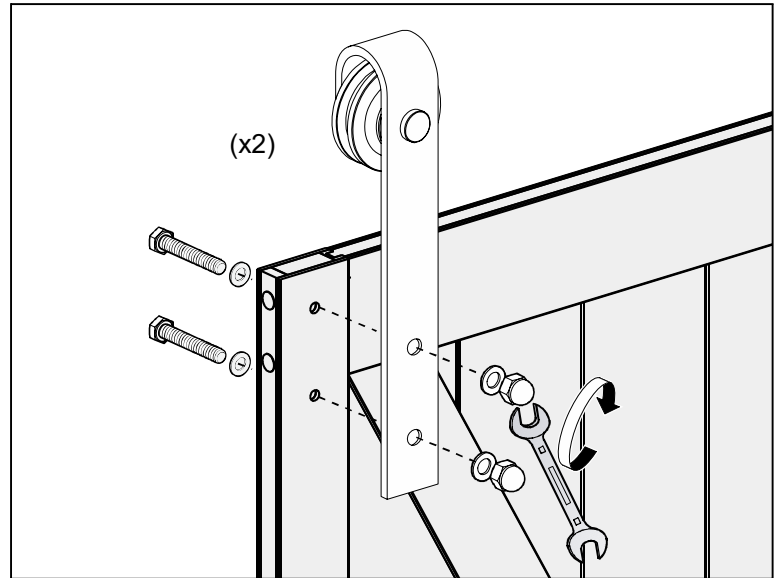
Make sure all bolts are tightened, place **E Plastic Caps** on top of the bolts and flush with Side Stile surface.



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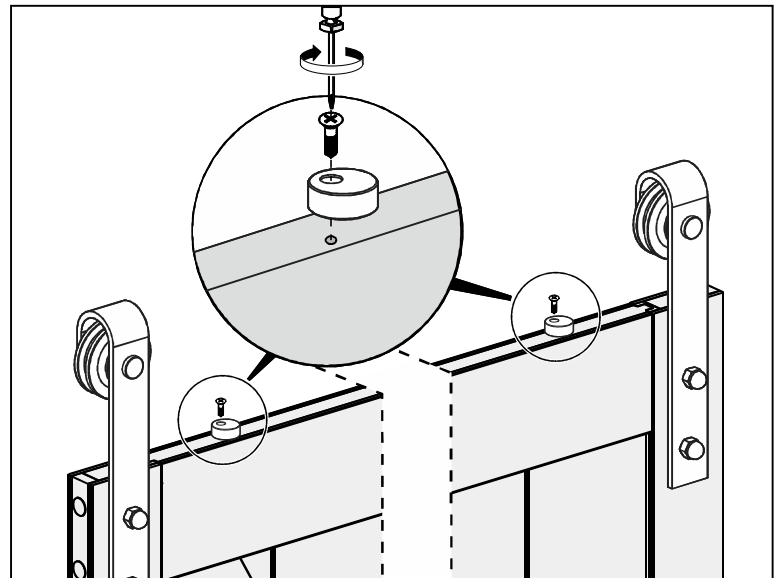
Step 1. Door Preparation – Roller Installation

Install the rollers on the reserved hole of the top of door.



Step 2. Door Preparation – Anti-jump block Installation

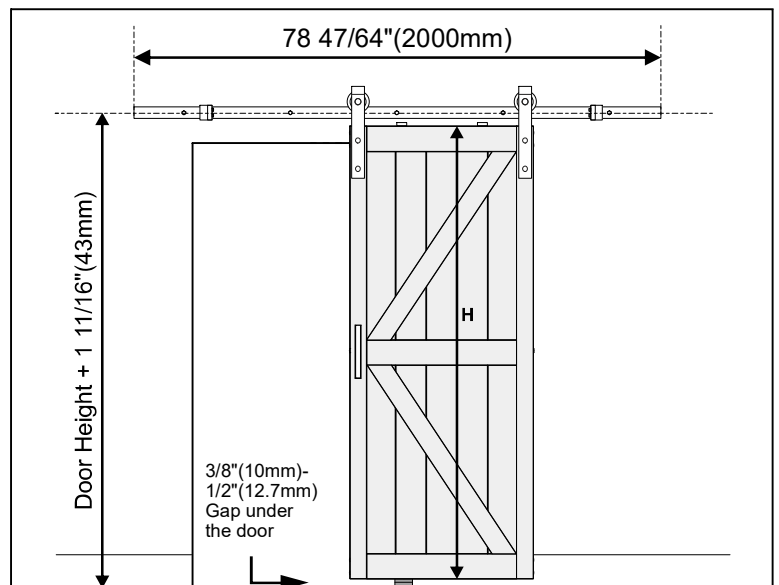
Position each anti-jump block at least 1" from the edge of the Rollers. Tighten slightly to secure in place.



Step 3. CONCRETE Wall Preparation¹

IF INSTALLING INTO DRYWALL – PLEASE PROCEED TO STEP 6.

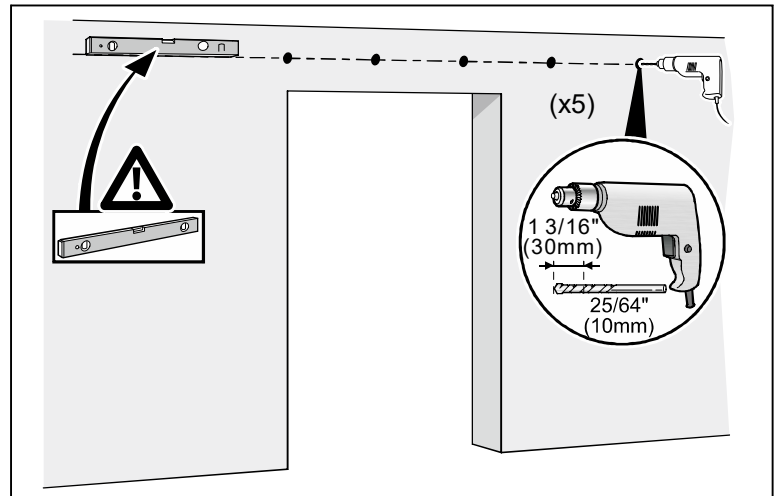
Position the rail by measuring up from the door height (H) + 1 11/16" to the centre of the track. Also ensure a gap of 25/64" – 1/2" at the bottom. Ensure the rail is level and leave a minimum of 2" from the end of the rail to the side of the opening (as shown).



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Step 4. CONCRETE Wall Preparation²

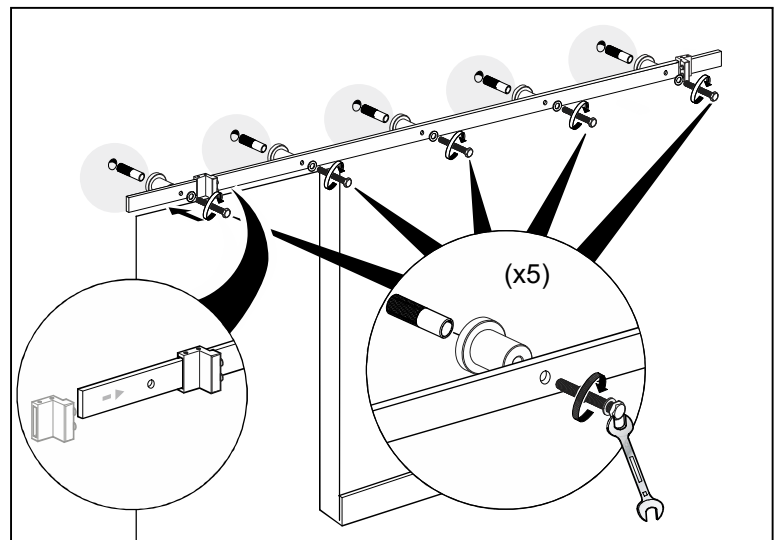
Position the rail in place ensuring that it is level, mark the holes on the rail using a pencil and pre-drill $25/64$ " holes into the concrete.



Step 5. CONCRETE Rail Installation

When installing directly into concrete, align the spacers to holes, insert using the provided anchors and hex bolts (with washers). Ensure to unscrew to separate the hex bolt and anchor to install correctly, securing with a wrench.

*NOTE - The stops are usually placed on each end of the track. However, they can be placed anywhere along the track if you are trying to stop the door at a different location than the tracks end.

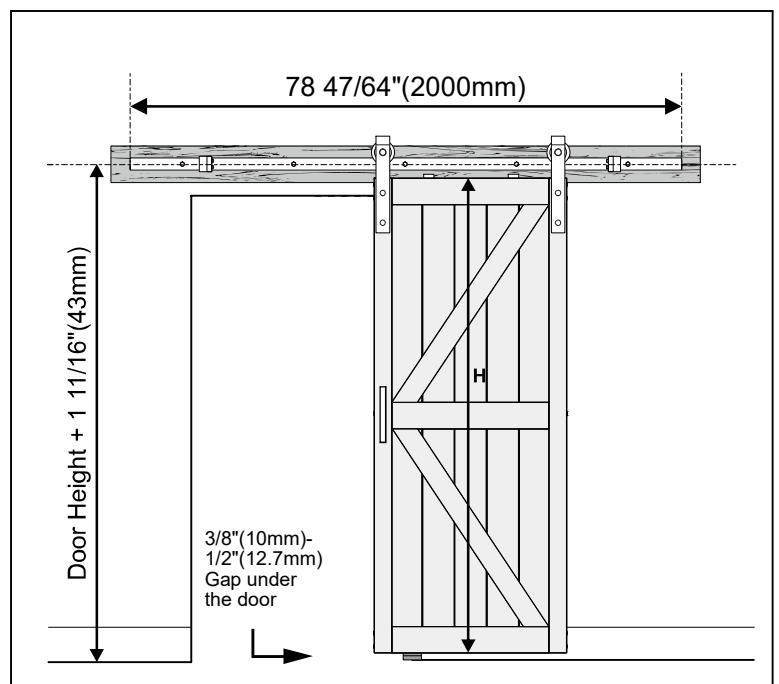


Step 6. DRYWALL Wall Preparation

When installing into drywall, a piece of $81 \frac{3}{4}$ " x $5 \frac{1}{2}$ " x $\frac{7}{8}$ " solid wood blocking is required to be mounted to the wall before proceeding with the rail installation.

Position the rail by measuring up from the door height (H) + $1 \frac{11}{16}$ " to the centre of the track. Also ensure a gap of $25/64$ " - $\frac{1}{2}$ " at the bottom. Ensure the rail is level and leave a minimum of 2" from the end of the rail to the side of the opening.

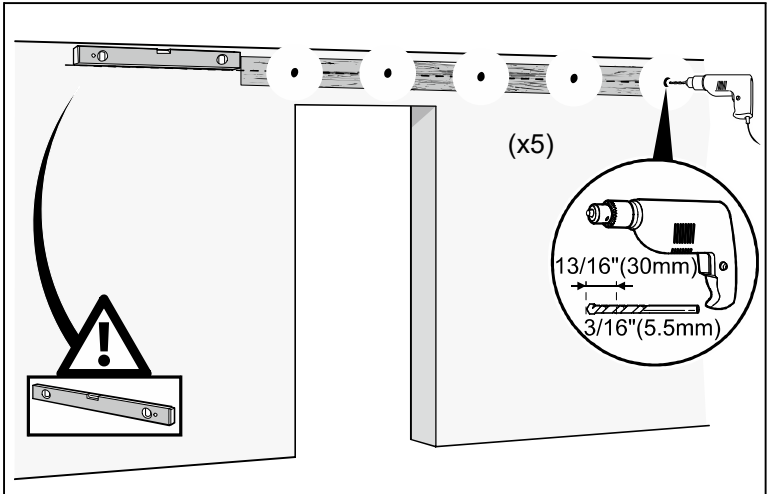
If installing with an opening for 80" standard door size, remove the top trim and cut the side trim horizontally along the height of the opening.



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Step 7. DRYWALL Wall Preparation

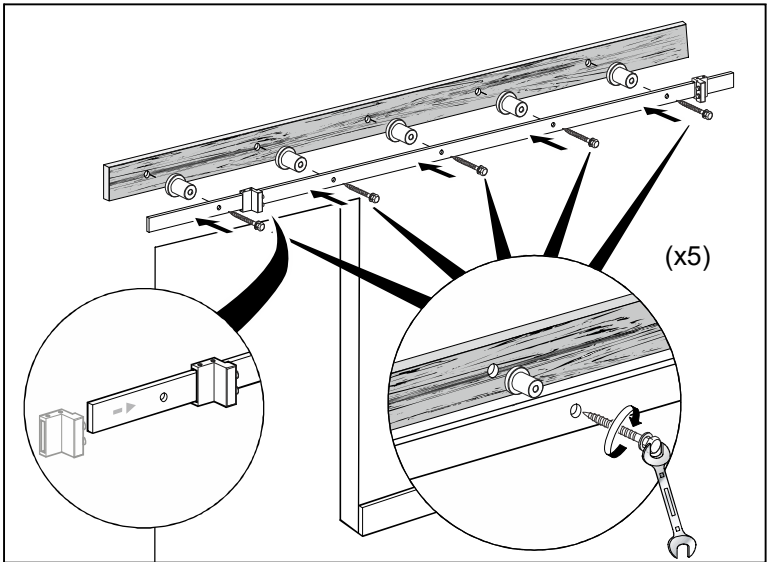
Position the rail on top of the wood blocking ensuring levelness, mark the holes using a pencil and pre-drill 3/16" holes into the wood blocking.



Step 8. DRYWALL Rail Installation

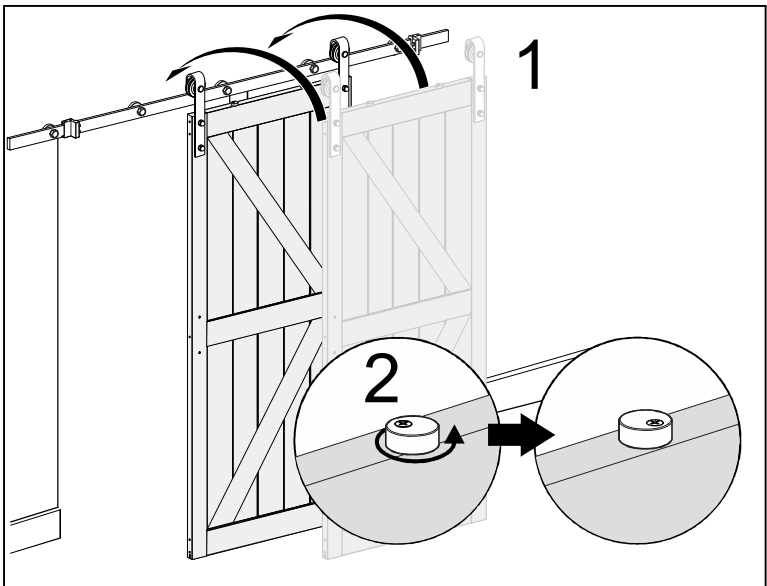
When installing into the solid wood block and wall, insert using the provided wall screws. Align each spacer to the rail holes, inserting screws (with washers), securing with a wrench.

*NOTE - The stops are usually placed on each end of the track. However, they can be placed anywhere along the track if you are trying to stop the door at a different location than the tracks end.



Step 9. Hanging the Door

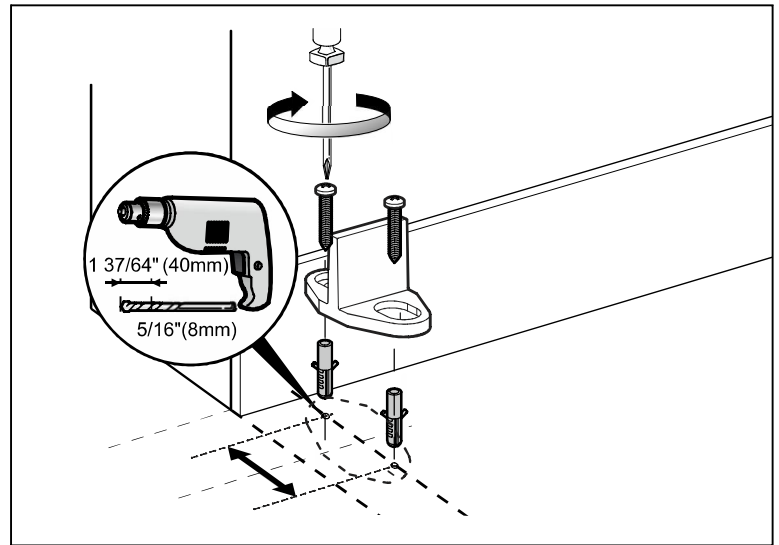
Place the assembled door onto the secured rail and tighten each anti-jump block. Ensure all parts are operating correctly by sliding the door side-to-side.



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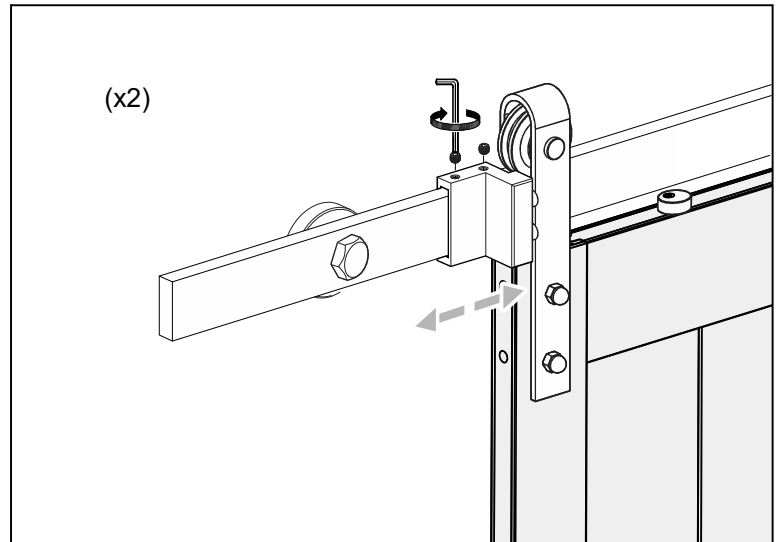
Step 10. Floor-Mounted Door Guide Installation

Once the door is plumb, position the floor-mounted door guide inside the mortised door, line up close to the opening. Slide the door side-to-side to ensure functionality for final placement then mark holes with a pencil and pre-drill 5/16" holes. If drilling directly into a concrete floor, use the provided anchors.



Step 11. Stopper Installation

Slide the door closed and to correct position of both stoppers. Using the provided Allen key, tighten into position to complete the installation of the Barn Door Kit.



Step 12. Handle Installation

Fix the handle to the door with screws

