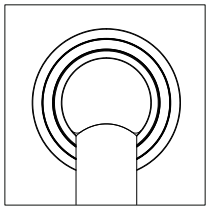
KROWNLAB®

INSTALLATION INSTRUCTIONS

PRODUCT: BALDUR

CONFIGURATION: BYPASSING DOORS
MOUNT: TOP MOUNT



Product is covered by U.S. patents. For more information visit www.krownlab.com

I. TOOLS + MATERIALS REQUIRED

TOOLS

- Tape measure
- Level
- Ratchet with 1/4" , 3/8" and 1/2" sockets
- Torque wrench capable of measuring 110inlbs(9.5ftlbs)
- #2 Philips screw driver
- Power drill
- One or more of the following drill bits depending on product configuration:
  - -5/32" for soft wood doors, or
  - -11/64" for hard wood doors
  - -13/64" metal drill bit for multiple-track systems
  - -15/64" for soft wood blocking
  - -1/4" drill for hard wood blocking
- #3 Philips driver and extension for impact driver OR a long-handled #3 Philips screw driver.

TOOLS FOR DRILLING AND CUTTING TRACK

- Miter saw and carbide toothed blade
- 1/2" or 9/16" metal drill bit for track

MATERIALS

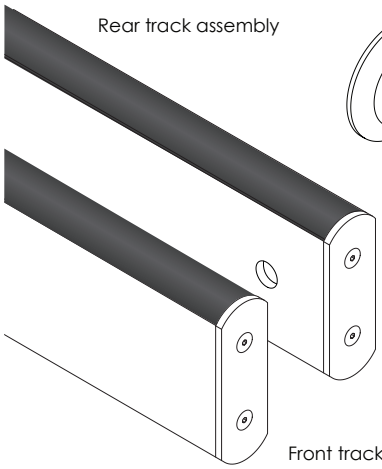
- Blue painters tape
- Pencil or other non permanent marking tool

*System additions and optional accessories may require additional tools or materials. See instructions for each accessory for more details.

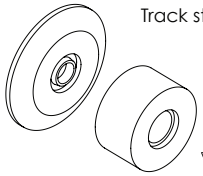
2. VERIFY ALL COMPONENTS

BASE KIT

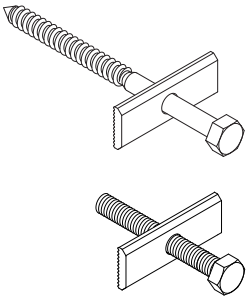
Rear track assembly



Track stand-offs

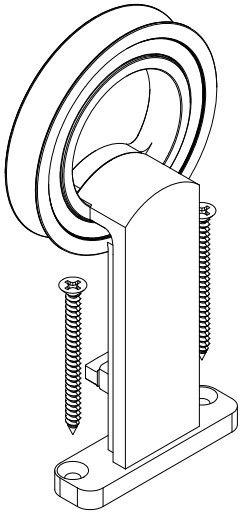


Track fastener kit
- wood -

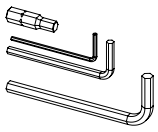


Front track assembly

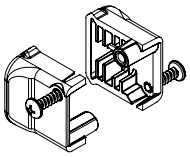
Trolley kit



Allen keys

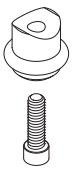


Safety stop assembly

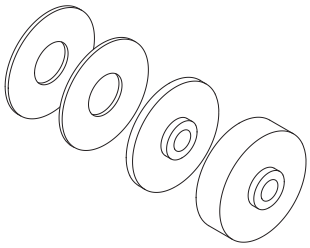


Door guide post kit*

Door stop kit



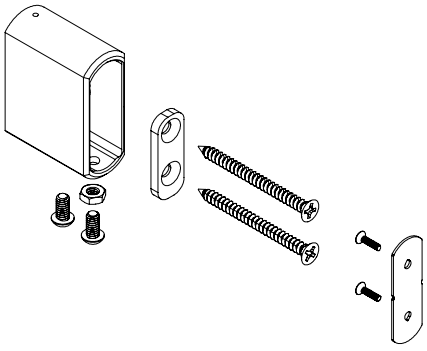
Drywall insert kit



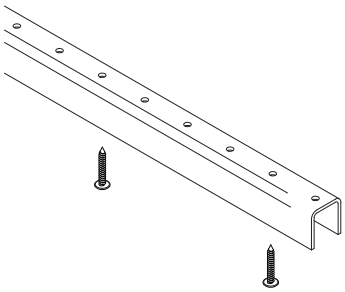
*Door guide included may differ.

SYSTEM OPTIONS AND ADDITIONS

Perpendicular wall fitting kit



Bottom guide channel kit



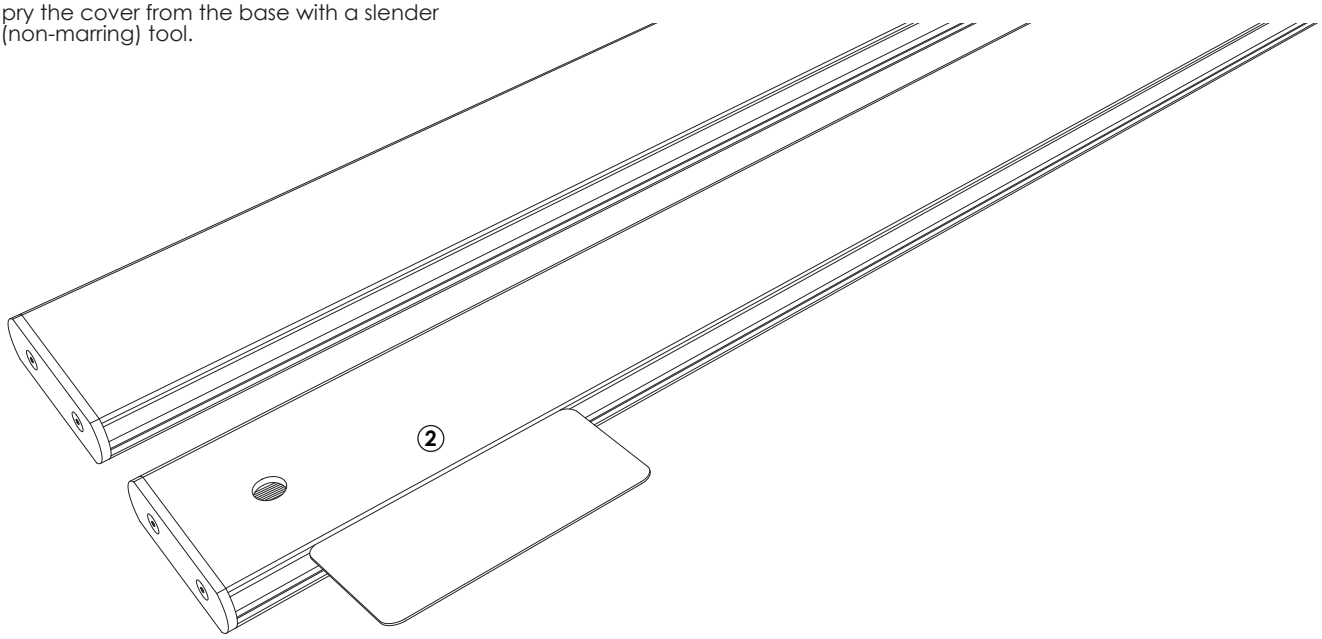
Track shim kit

Go to our website for a complete range of door pulls and locks.

3. REMOVE TRACK COVER

① Remove the track from the protective sleeve.

② Gently pry the cover from the base with a slender plastic (non-marring) tool.



4. LOCATE TRACK ATTACHMENT POINTS

① Determine the height of the track centerline:

HEIGHT = DOOR PANEL HEIGHT + 3"

This will result in a 3/8" clearance between your door panel and the floor. Adjust if desired or necessary.

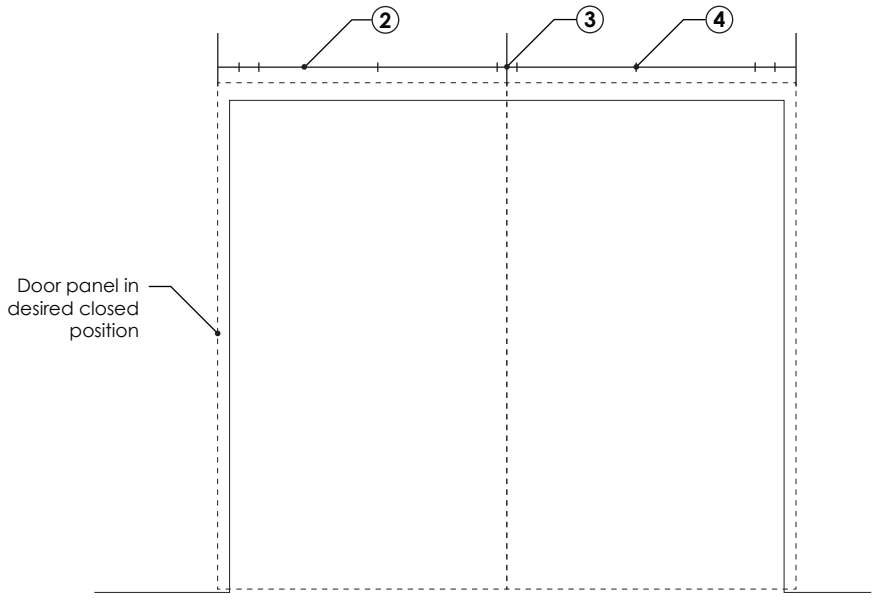
❗ Add 3/4" to this dimension if you are using the optional bottom guide channel.

② Mark the track centerline on your wall. (If you run a length of painter's tape along your wall, you'll thank us later!)

③ On the wall, mark the middle of the opening. This will be where the track is centered.

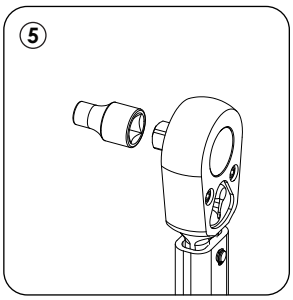
④ Determine and mark the locations of all mounting points along the track centerline.

❗ Krownlab hardware requires a structural wall to function properly and safely. Each mounting point must engage an appropriate amount of structural material: Wood or metal framed walls must have 3" of solid blocking secured to studs or other framing members.

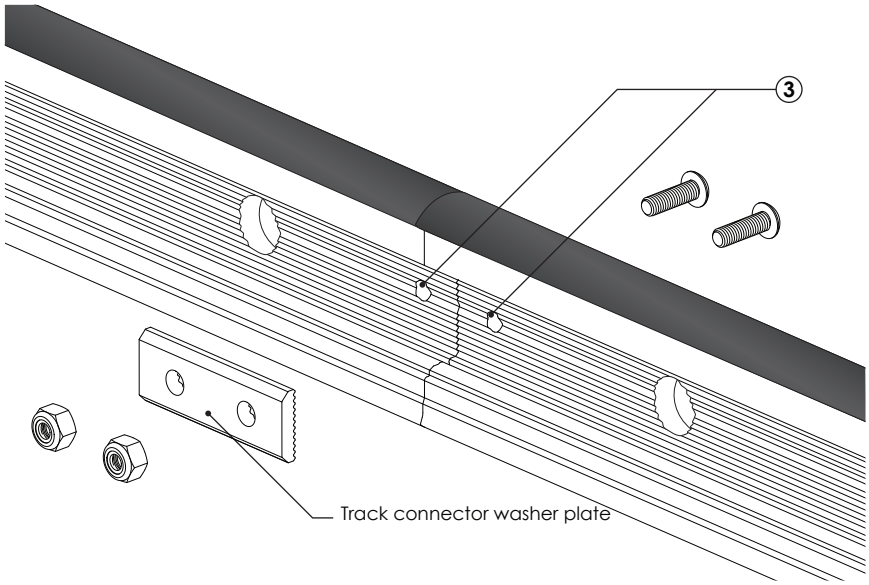


5. LINK MULTIPLE TRACKS

Track Connectors are included with multiple-track systems to keep the tracks in alignment. Skip to the next step for single-track installations.



1. Using the provided 1/16" allen key, remove the end cap from the correct end of each track.
2. Butt tracks end to end as they will be installed on your wall. Using the track connector washer plate centered over the seam between the tracks as a template, mark each track for drilling.
3. Drill a 13/64" hole in each track.
4. Connect tracks by assembling the track connector washer plate as shown. Ensure that washer teeth align with teeth in the track before tightening fasteners.
5. Install a 3/8" socket onto a torque wrench and torque the nuts to 48 inch-lbs (4 ft-lbs). You may need to use the provided 1/8" Allen key to prevent the screws from rotating while torquing.

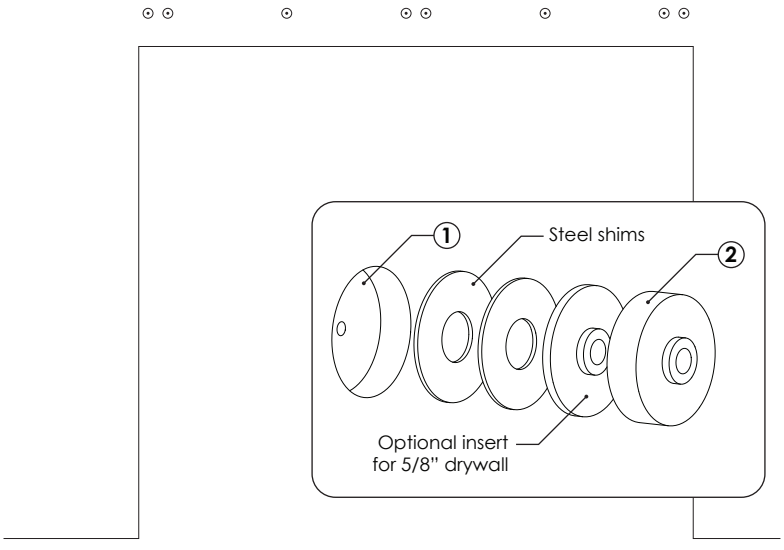


6. INSTALL DRYWALL INSERTS

This step is for walls with a non-structural surface only. I.e., drywall, pin-up board or other materials that are weaker than the wood blocking behind them. Skip to the next step for installations without these materials.

1. Use a 1-3/4" spade bit to remove the drywall at each mounting point.
2. Place a drywall insert into each drywall cavity.

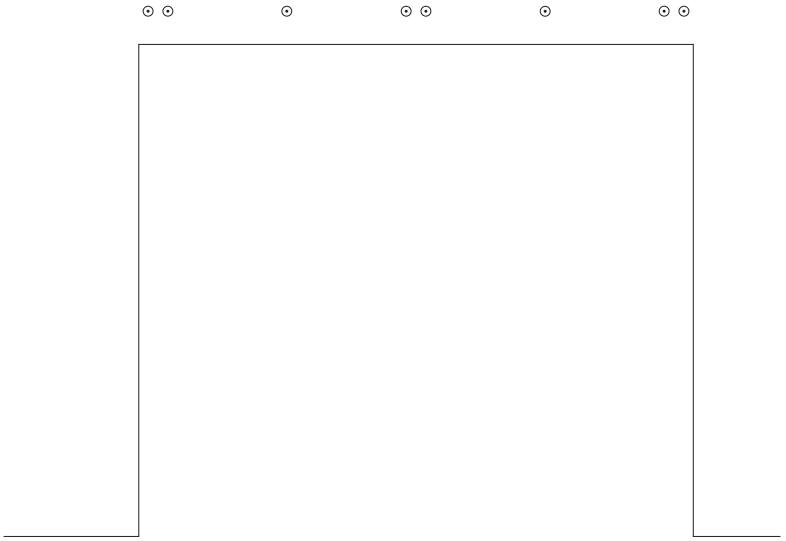
! To perform their function, drywall inserts must be up against the structural material of your wall and flush with the finished surface of the drywall. If needed, use the included steel shims as shown.



7. PREDRILL STRUCTURAL WALL

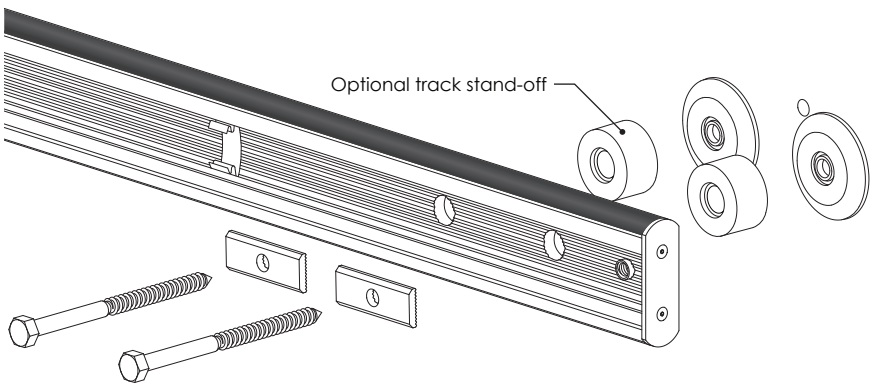
① Drill a pilot hole for each mounting point.

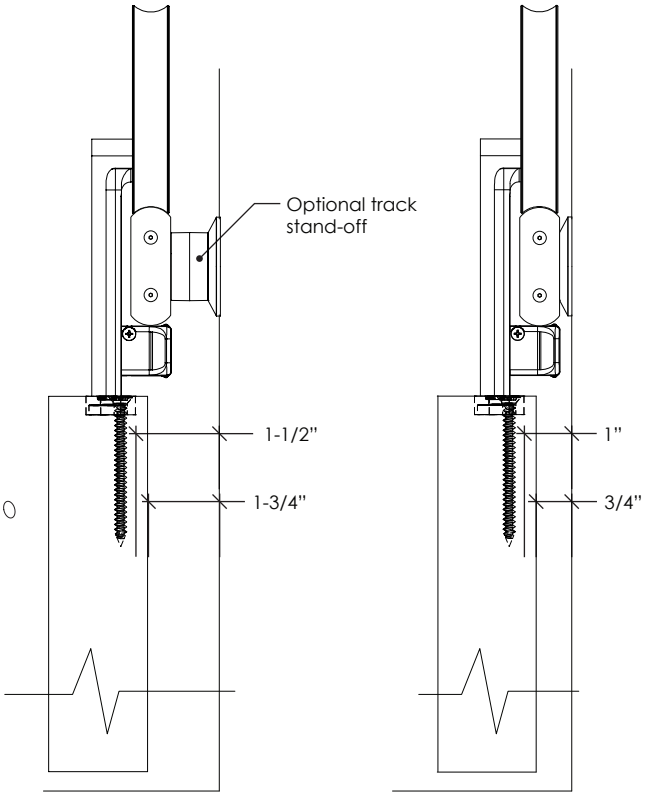
❗ Make sure that each mounting point engages an appropriate amount of structural material: Wood or metal stud framed walls must have 3" of solid wood blocking secured to studs or other framing members. Predrill 15/64" pilot hole for lag into soft wood blocking. (1/4" for hardwood)



8. DETERMINE DESIRED WALL CLEARANCE

① Taking baseboard and door frame into consideration, determine if you need to use the optional track stand-off based on the wall clearance dimensions at right.

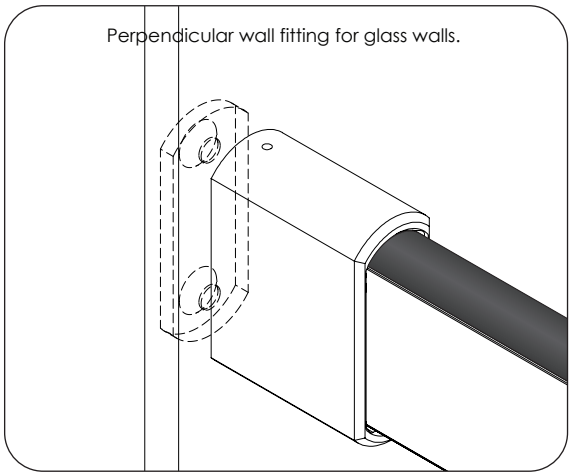




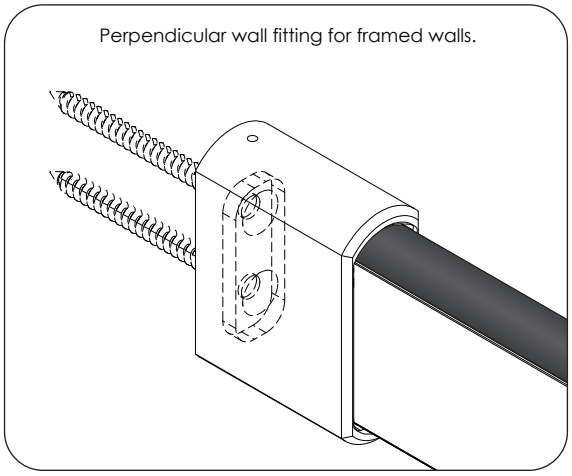
9. OPTIONAL STEP - INSTALL PERPENDICULAR WALL FITTING

If your order included a perpendicular track attachment, please proceed to the separate installation instructions to install the fitting. Once complete, resume the next step in these instructions.

Perpendicular wall fitting for glass walls.



Perpendicular wall fitting for framed walls.



10. MOUNT REAR TRACK TO WALL

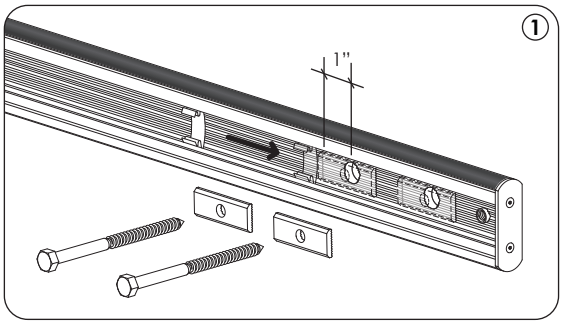
① Slide springs to the ends of track, but keep 1" away from holes to prevent clamping a spring under track washer plate. Evenly space springs along the length of track to ensure the cover is well-retained.

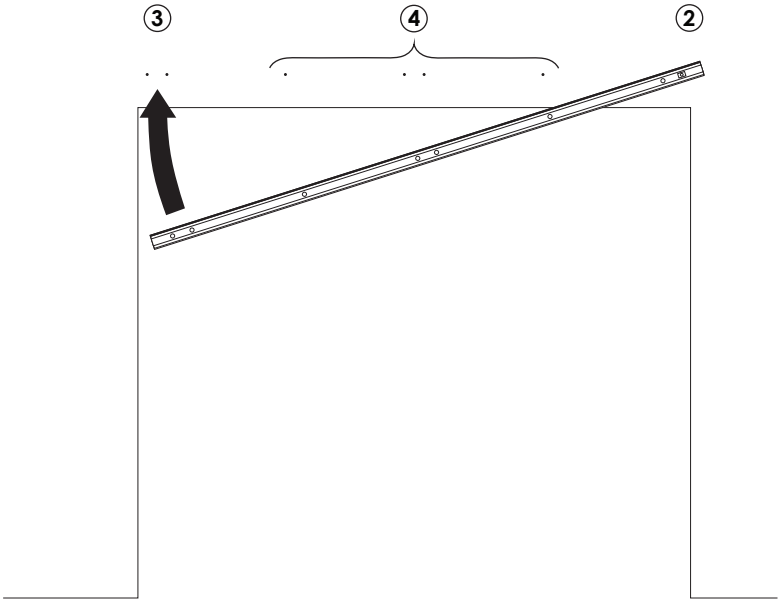
② Ensuring that the black plastic track cap faces up, loosely install one end of your track with the appropriate track spacers and hardware.

③ Repeat with the opposite end of the track.

❗ Support the track assembly along its length if multiple tracks are linked together.

④ With both ends of the track now supported, loosely install the remaining mounting points.





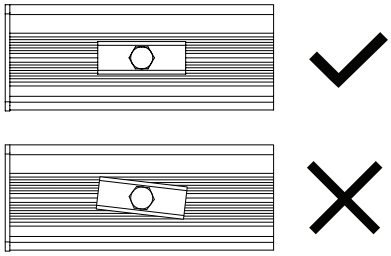
11. LEVEL AND ADJUST REAR TRACK HEIGHT

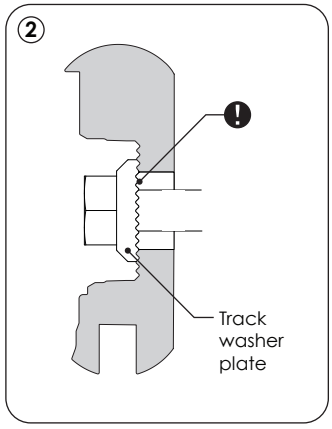
① Snug, but don't yet tighten each track fastener starting at the center and moving toward the ends. For maximum adjustability, start by positioning the washer plate in the center (neutral) position.

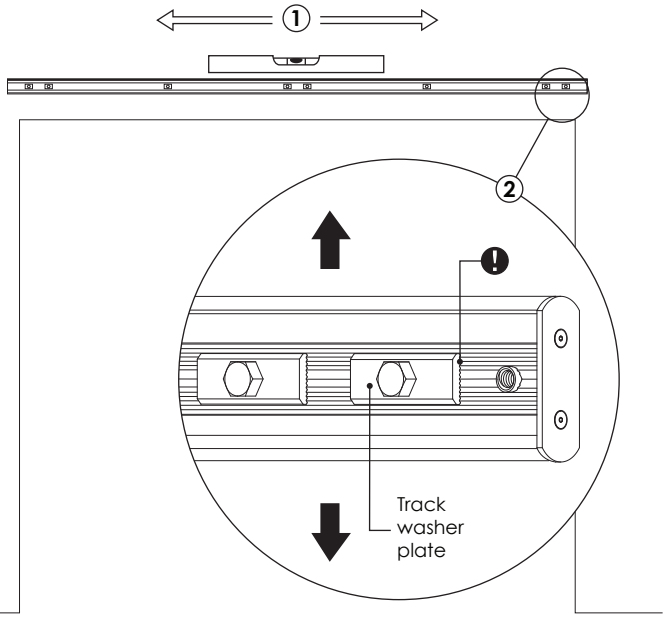
❗ Be sure to account for sloped or uneven floor when setting track height.

② Use the Tru-Level™ System to make sure track is level: adjust the position of the washer plate at each mounting point until track is level.

❗ Ensure that washer teeth align with teeth in the track before tightening fasteners.







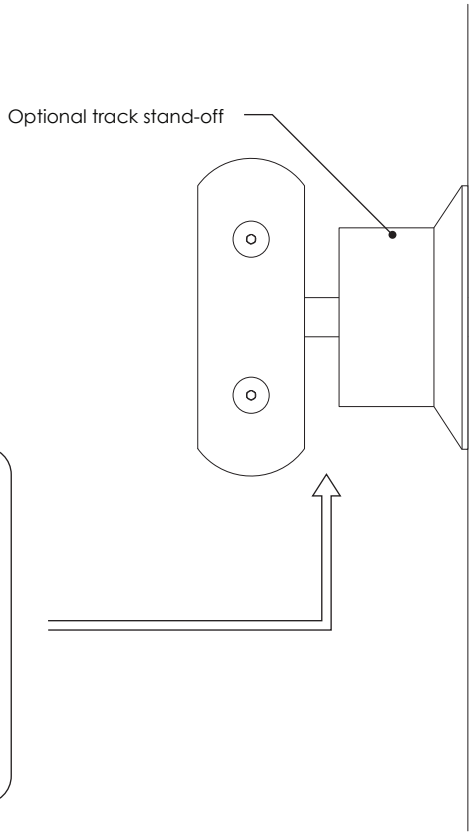
12. OPTIONAL STEP - INSTALL TRACK SHIMS

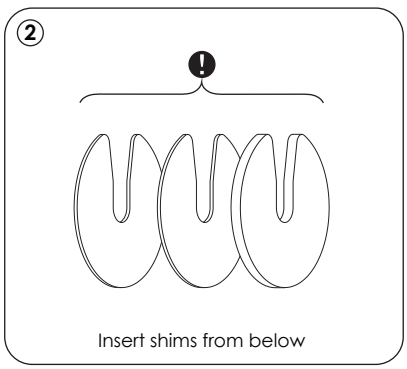
① Sight down the length of your track to determine if unevenness in the wall is causing your track to bow. If necessary:

② Loosen track attachment points as needed and insert shims from below. Ensure that the opening of the shim faces up. Start with one of the thinner shims, adding and swapping shims as needed until the track is straight to within the thickness of one shim.

❗ Never use more than one shim kit at any mounting point. Track shims may only be used at mounting points that pull the track out of true.

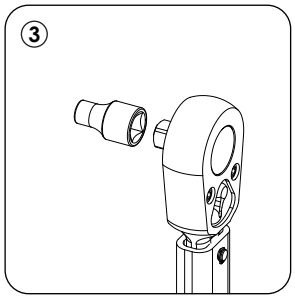
NOTE: Bowing in the track will negatively affect the performance of the entire system, causing increased friction and excessive wear on some components. Krownlab's warranty does not cover wear caused by improper installation.





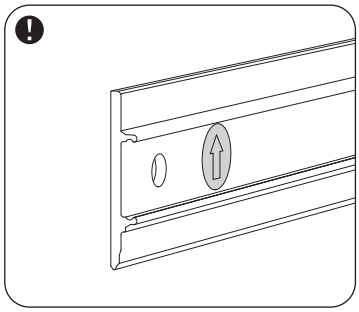
⚠ Do not use shims with the purpose to extend the track standoff distance.

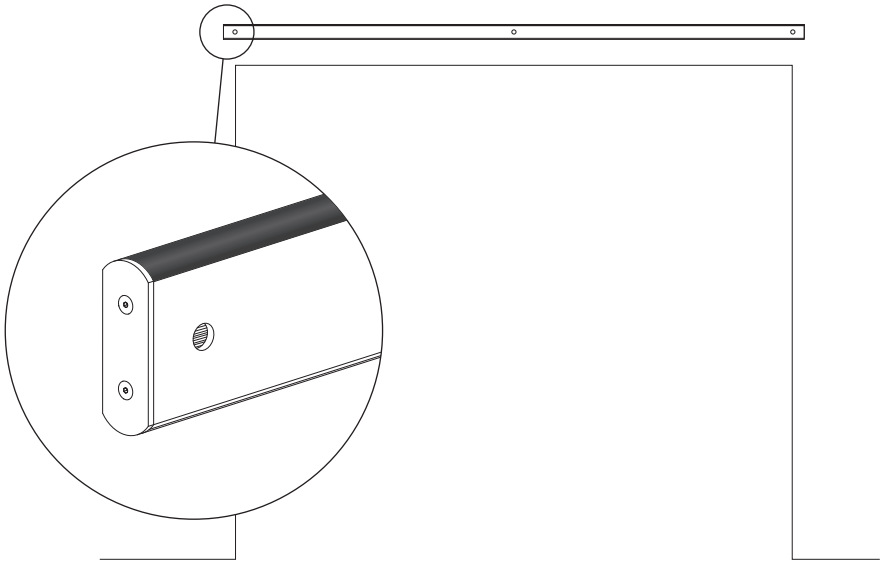
13. SECURE REAR TRACK TO WALL



1. Confirm the track has been leveled, shimmed, and all mounting points have been securely fastened.
2. Inspect each track spring to ensure they are not interfering with the mounting hardware and evenly spaced along the length of the track.
3. Install 1/2" socket onto a torque wrench and torque the track bolts to 120 inch-lbs (10 ft-lbs).
4. Carefully reattach the track cover.
5. Confirm the track cover is fully seated and securely attached along the length.

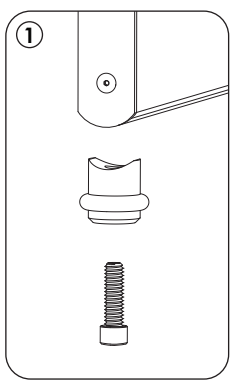
! Ensure that the arrow on the inside of the track cover is facing up.

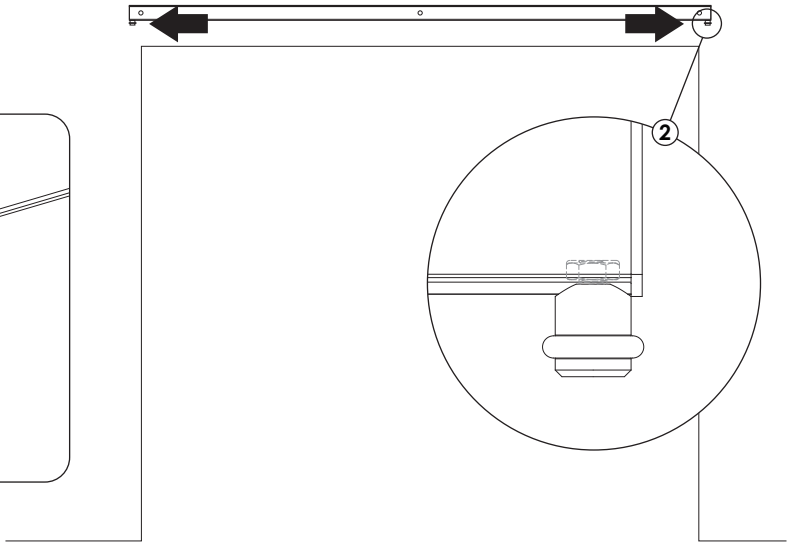




14. ATTACH DOOR STOPS

1. Locate the preinstalled nuts in the bottom of the track. Loosely screw a door stop to each nut.
2. Temporarily slide one door stop to each end of the track. Do not tighten the stops yet.

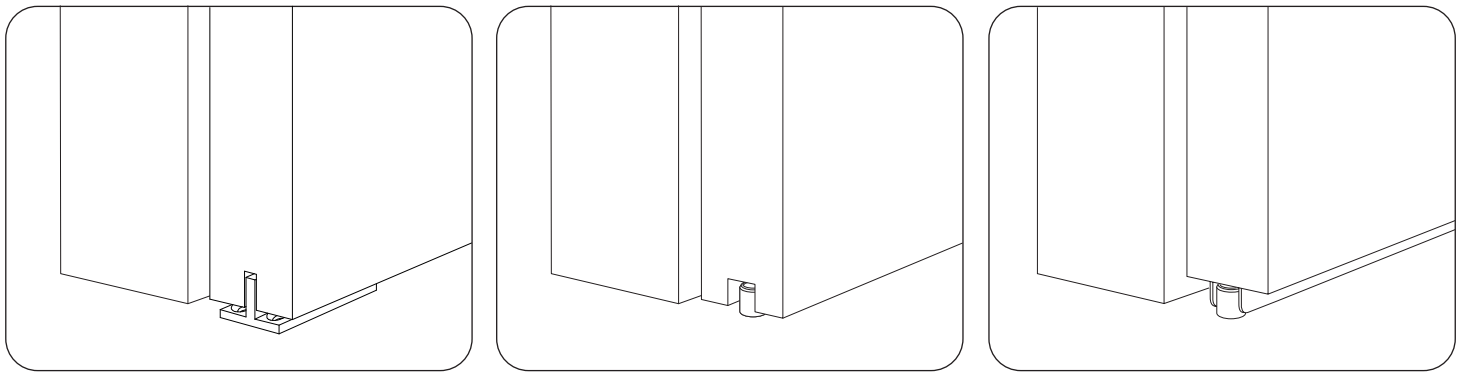




15. PREPARE DOOR FOR DOOR GUIDE

Refer to the separate installation instructions for the door guide that is included with your order*. Once door is prepared, return to this document for next steps.

*Included door guide may vary from examples shown below.



⚠ Installation of a door guide is required, and must always be engaged for safety.

16. ROUTE DOOR PANEL

① Route the top of the door panel to accept the trolleys as shown.

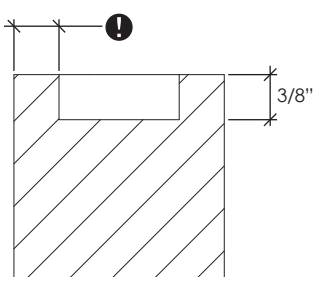
② Also prep for, but do not yet install, your door pulls or other door hardware.

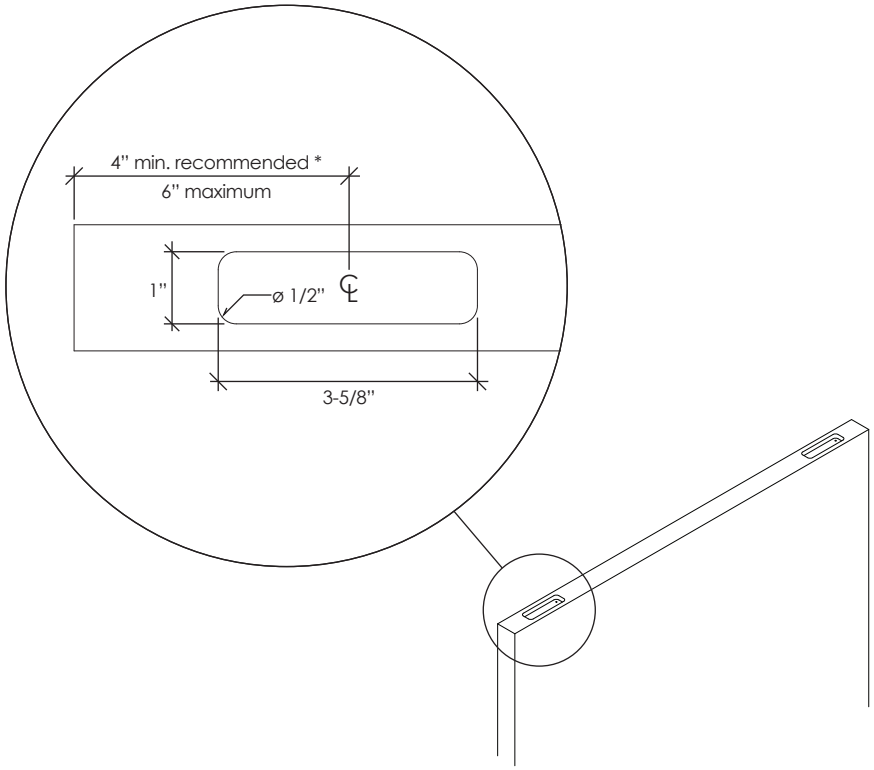
❗ Adjust location of recess to achieve the right door panel clearance from wall and door trim. Minimum dimension is driven by door panel material.

⚠ Screws should only be installed into the door top horizontal rail.

Top rail of the door should be structural and be able to support the weight of the door panel.

All screws should engage the horizontal grain of the top rail, not the end-grain of the vertical stile.





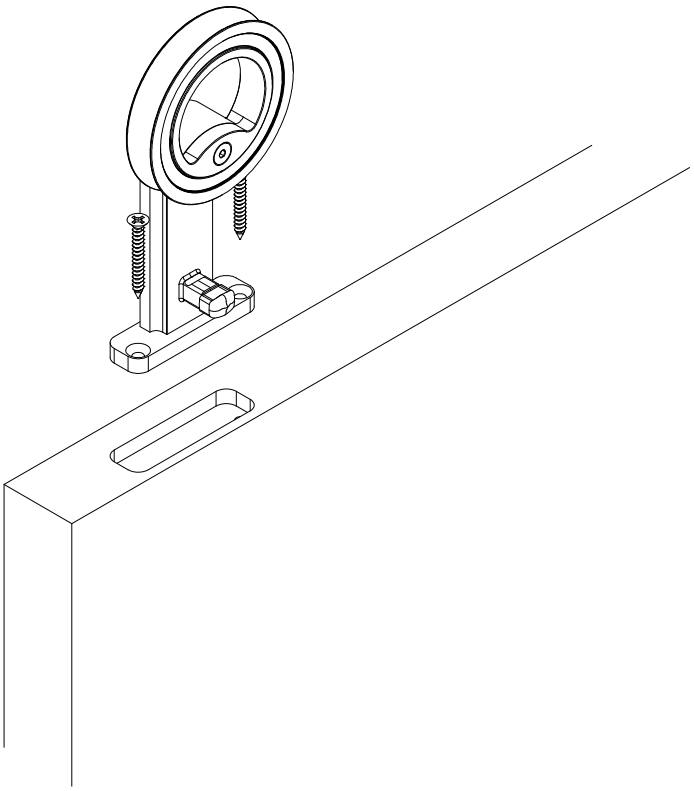
* Facilitates easier door guide post installation in step 20.

17. ATTACH TROLLEYS TO DOOR PANEL

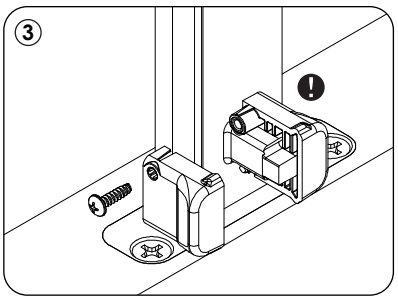
① Pre-drill and attach the trolleys using the fasteners provided. Make sure that the trolleys are secured parallel to the face of the door panel

② Carefully hang your panel.

❗ Do not yet install your door pulls or other door hardware.



18. INSTALL SAFETY STOPS



① Remove protective cap from trolley post.

② Place one safety stop on the trolley post.

❗ Ensure the safety stop is fully seated and properly aligned so this half of the post is completely covered by the safety stop.

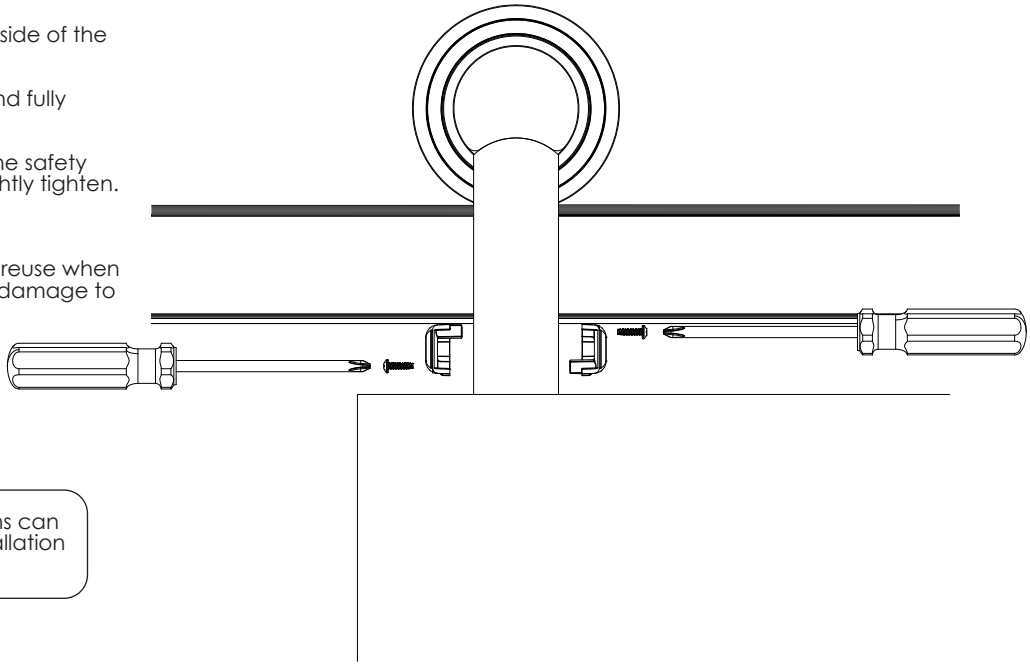
③ Slide the second safety stop over the other side of the post.

❗ Ensure that both safety stops are aligned and fully seated.

④ Thread provided screws into both sides of the safety stops using a #2 Phillips Screw Driver and lightly tighten.

⑤ Repeat above steps for second trolley.

NOTE: Please keep the protective cap and reuse when removing and rehanging panel to prevent damage to your track.

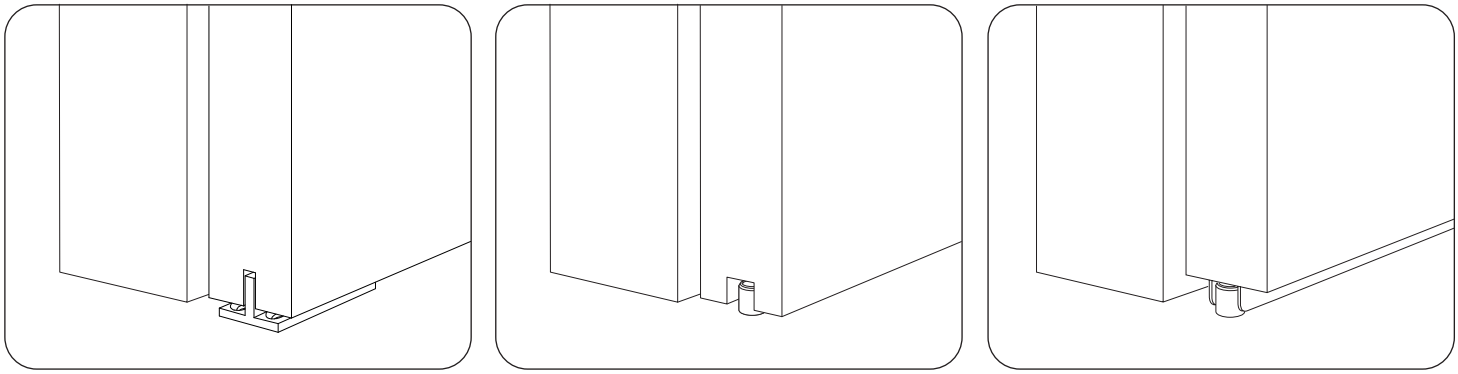


⚠ Not following the above instructions can cause a hazardous condition. Installation with both screws is mandatory.

19. INSTALL DOOR GUIDE

Refer to the separate installation instructions for the door guide that is included with your order*. Once installed, return to this document for next steps.

*Included door guide may vary from examples shown below.



⚠ Installation of a door guide is required, and must always be engaged for safety.

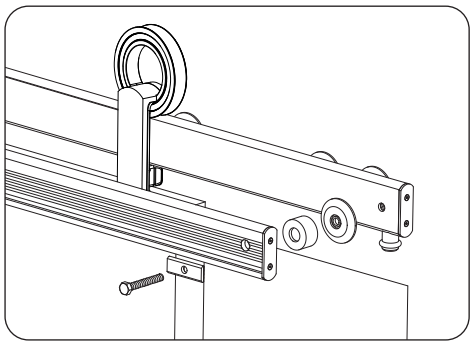
20. MOUNT FRONT TRACK TO REAR TRACK

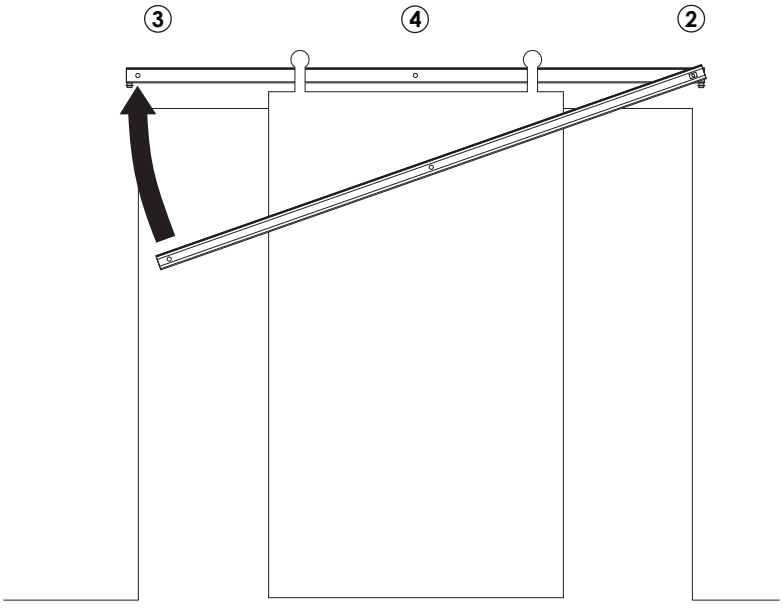
① Slide springs to the ends of track, but keep 1" away from holes to prevent clamping a spring under track washer plate. Evenly space springs along the length of track to ensure the cover is well-retained.

② Ensuring that the black plastic track cap faces up, loosely install one end of your track with the supplied track spacers and hardware.

③ Repeat with the opposite end of the track.

④ With both ends of the track now supported, loosely install the middle mounting point.





21. LEVEL AND ADJUST FRONT TRACK HEIGHT

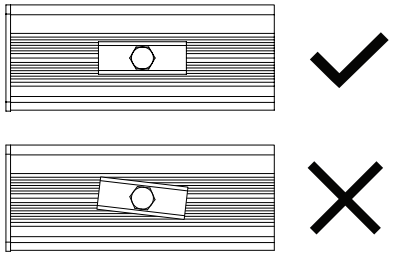
① Snug, but don't yet tighten each track fastener starting at the center and moving toward the ends. For maximum adjustability, start by positioning the washer plate in the center (neutral) position.

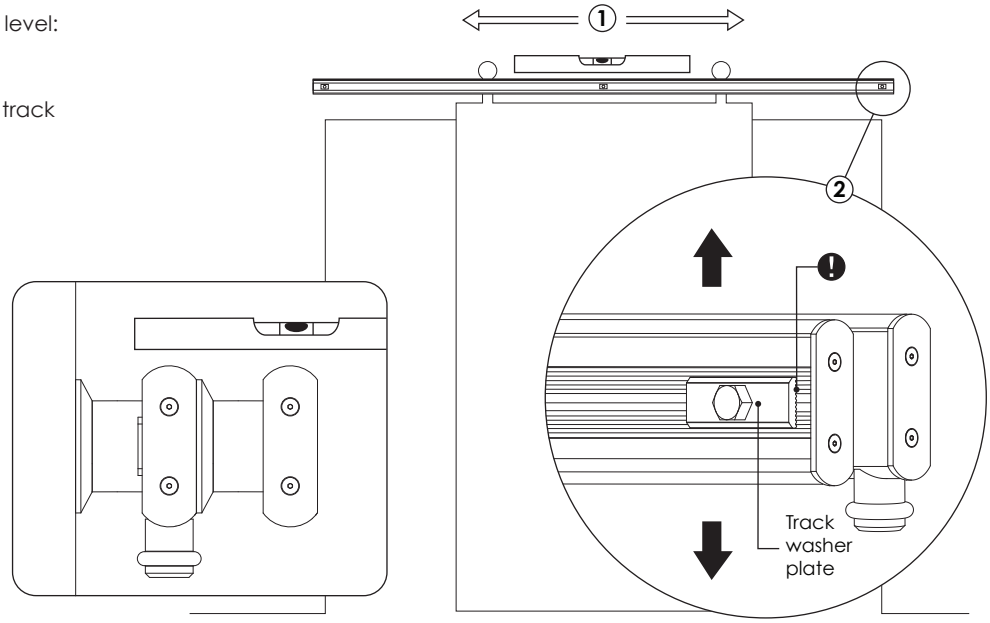
❗ Be sure to account for sloped or uneven floor when setting track height.

② Use the Tru-Level™ System to make sure track is level: adjust the position of the washer plate at each mounting point until track is level.

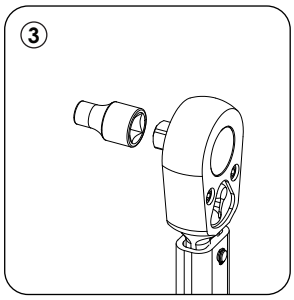
❗ Ensure that washer teeth align with teeth in the track before tightening fasteners.

❗ Ensure front track is level with the rear track





22. SECURE FRONT TRACK TO REAR TRACK



① Confirm the track has been leveled, shimmed, and all mounting points have been securely fastened.

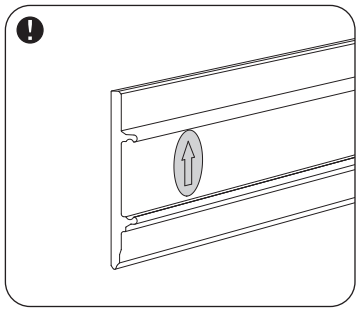
② Inspect each track spring to ensure they are not interfering with the mounting hardware and evenly spaced along the length of the track.

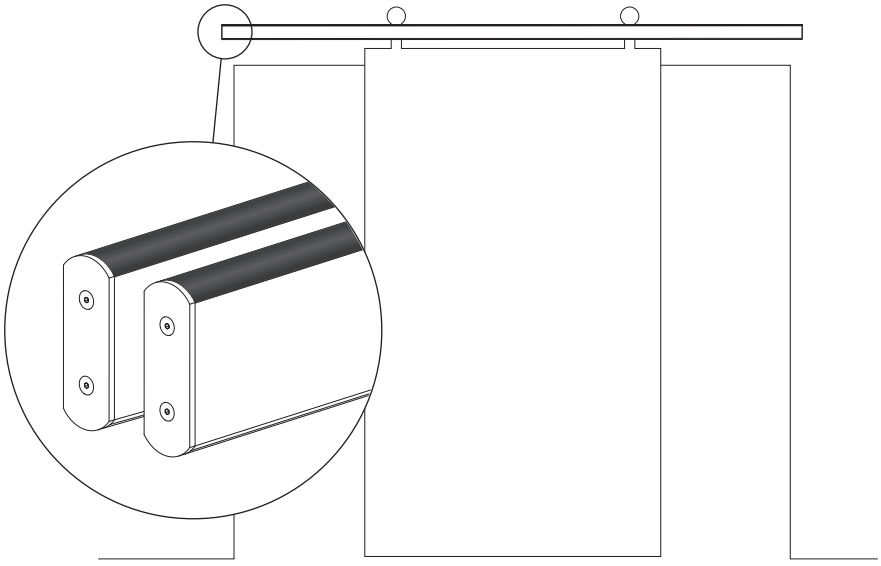
③ Install 1/2" socket onto a torque wrench and torque the track bolts to 120 inch-lbs (10 ft-lbs).

④ Carefully reattach the track cover.

⑤ Confirm the track cover is fully seated and securely attached along the length.

❗ Ensure that the arrow on the inside of the track cover is facing up.



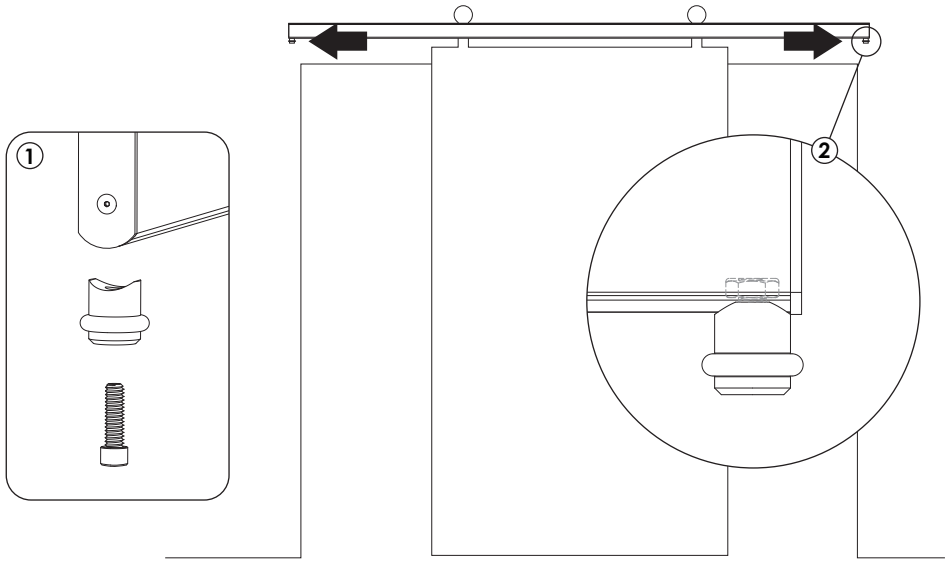


23. ATTACH DOOR STOPS

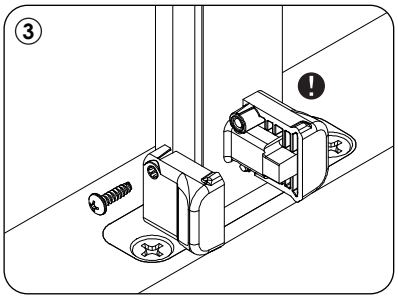
① Locate the preinstalled nuts in the bottom of the track. Loosely screw a door stop to each nut.

② Temporarily slide one door stop to each end of the track. Do not tighten the stops yet.

③ Carefully hang your front panel.



24. INSTALL SAFETY STOPS



① Remove protective cap from trolley post.

② Place one safety stop on the trolley post.

❗ Ensure the safety stop is fully seated and properly aligned so this half of the post is completely covered by the safety stop.

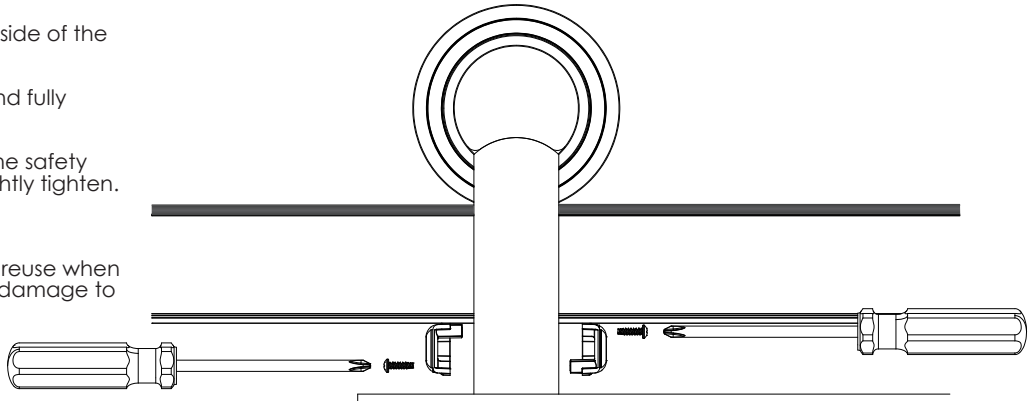
③ Slide the second safety stop over the other side of the post.

❗ Ensure that both safety stops are aligned and fully seated.

④ Thread provided screws into both sides of the safety stops using a #2 Phillips Screw Driver and lightly tighten.

⑤ Repeat above steps for second trolley.

NOTE: Please keep the protective cap and reuse when removing and rehanging panel to prevent damage to your track.

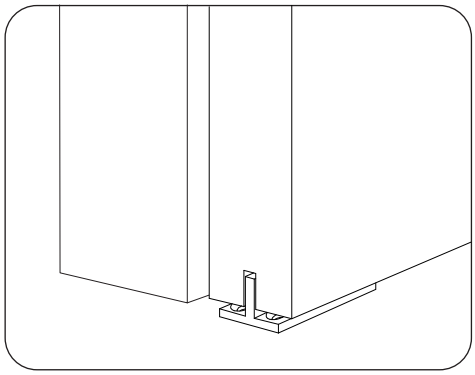


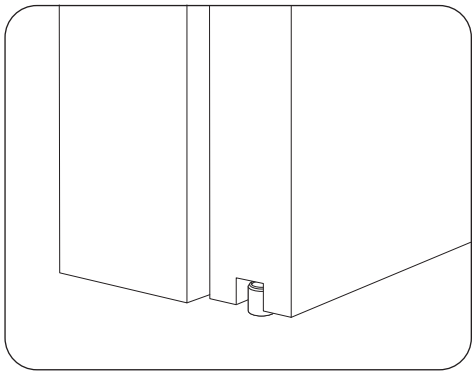
⚠ Not following the above instructions can cause a hazardous condition. Installation with both screws is mandatory.

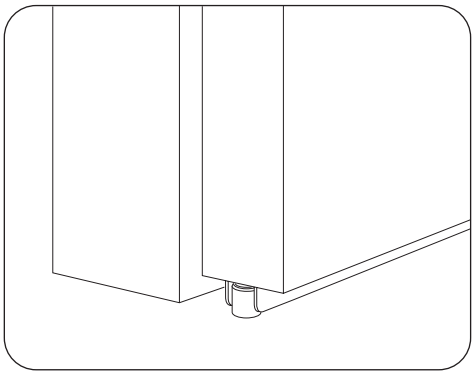
25. INSTALL DOOR GUIDE

Refer to the separate installation instructions for the door guide that is included with your order*. Once installed, return to this document for next steps.

*Included door guide may vary from examples shown below.



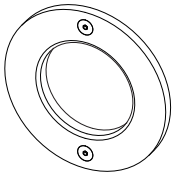




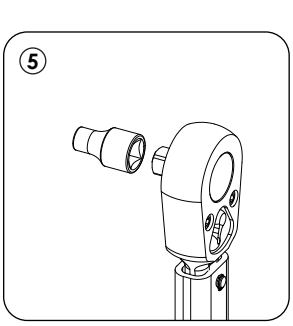
⚠ Installation of a door guide is required, and must always be engaged for safety.

26. INSTALL DOOR PULLS

① If applicable, install door pulls following applicable installation instructions.



27. SET DOOR TRAVEL



1. Starting with one of the door in the desired closed position, slide the door stop so that it touches the safety stop of the nearby trolley.

! Note any protruding door pulls!

2. Repeat with the door in the open position, sliding the door stop so that it touches the safety stop of the nearby trolley.

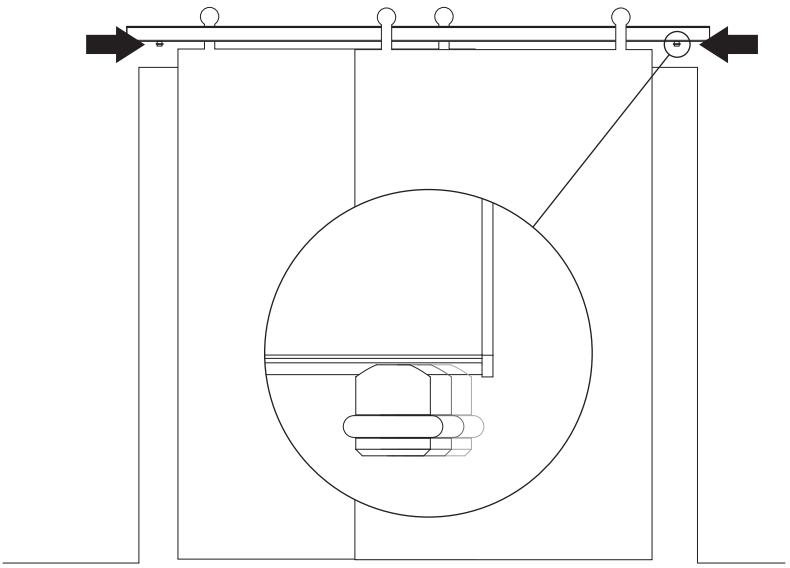
! Verify that the door guide is properly engaged in the fully open and fully closed positions.

3. Tighten the door stops in place by hand with provided 3/16" Allen key.

4. Confirm locations haven't shifted while tightening. Adjust if needed.

5. Repeat the process with the other door.

6. Insert the provided 3/16" hex bit into a ¼" socket on a torque wrench, and torque all door stops to 110 inch-lbs (9.5 ft-lbs).



28. MAINTENANCE AND CARE

Routine Maintenance:

- Periodically check tightness of fasteners, particularly in high-use installations.
- Using a dry cloth, wipe bearing and wheel wearing surfaces and remove any build-up of dust or debris every few thousand cycles or every few months, whichever comes first.
- Bearings without seals should occasionally be lubricated with bearing oil. (e.g. SHC 630 Synthetic Gear and Bearing Oil by Exxon Mobil Corp: www.mobil.com)

Chemicals:

- This product contains elastomers, polymers, adhesives and special finishes. Chemicals must be checked for compatibility before using on product.
- Never use ammonia-based cleaners on or near product.

Cleaning:

- To clean any time after installation, use a clean and dry non-abrasive lint free cloth. A mild soap may be used if extra cleaning is needed. (Remember to test an inconspicuous area prior to cleaning hardware)
- Select Black Stainless parts like the bearings can be re-enhanced with petroleum jelly. Periodically apply a thin coating with a clean cloth, buff clean and dry.
- Do not use steel wool, or a Scotch Brite pad, as it can scratch the product.

Visual product representations herein may differ from the actual products. Components and details are subject to improvement changes.

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