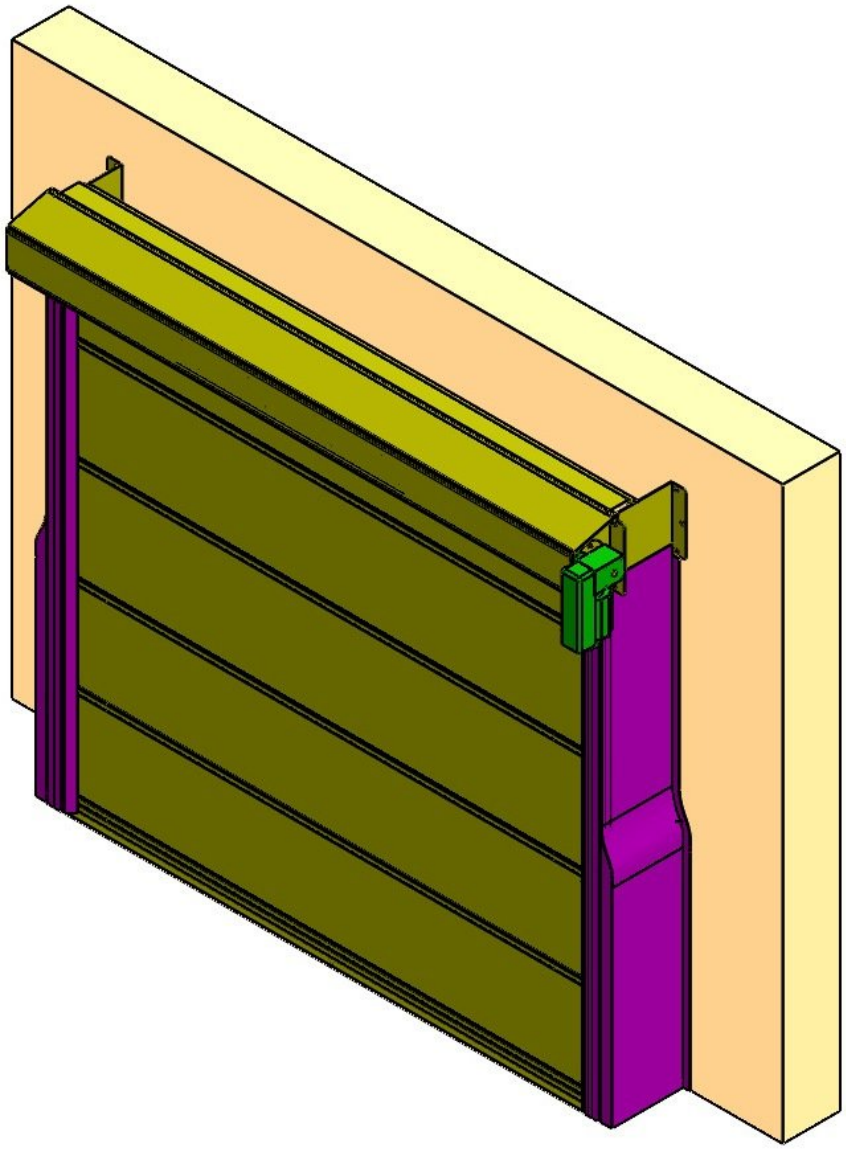
Clean Guard Projection Mount Door

Clean Guard Projection Mount Door 123457

Written By: Todd Lucas



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TOOLS:

- 2.5mm Allen Wrench (1)
- 5mm (3/16in) Allen Wrench (1)
- 1/2in Socket (1)
- Ratchet or Impact Driver (1)
- Channellocks (1)
- #2 Phillips Screw Driver (1)
- Power Drill (1)
- #2 Phillips Bit (1)

For Power Drill

PARTS:

- M8 x 1.25mm x 12mm Long Hex Bolts (8)
- M8 Split-Lock Washers (8)
- Machine Key (2)
- Motor Mount Anti-Torque Bracket (2)
- M6 x 10mm Socket Cap Screw (8)
- M6 Split-Lock Washers (8)
- 5/16-18 x 1/2in Hex Bolt (2)
- 5/16 Flat Washer (8)
- 5/16 Split Lock Washer (6)
- 5/16-18 Hex Nut (6)
- 10-32 x 1/2in Machine Screw (8)

Included

- Side-Mount Bracket (2)
- Control Panel Feet (8)

Included

Step 1 — Review Product and Warnings

ATTENTION

Thank you for purchasing from Goff's Enterprises, Inc. To ensure maximum functionality and longevity of your product, please carefully review and understand this guide.

SAFETY WARNING

READ THIS MANUAL CAREFULLY. MOST INSTALLATION REQUIRES A LADDER AND TWO PEOPLE AT A MINIMUM. WEAR PROPER SAFETY GEAR AND CLOTHING. OBSERVE WARNINGS AND PRACTICE CAUTION WHEN INSTALLING, OPERATING, OR MAINTAING YOUR PRODUCT. FAILURE TO DO SO COULD RESULT IN SERIOUS INJURY.

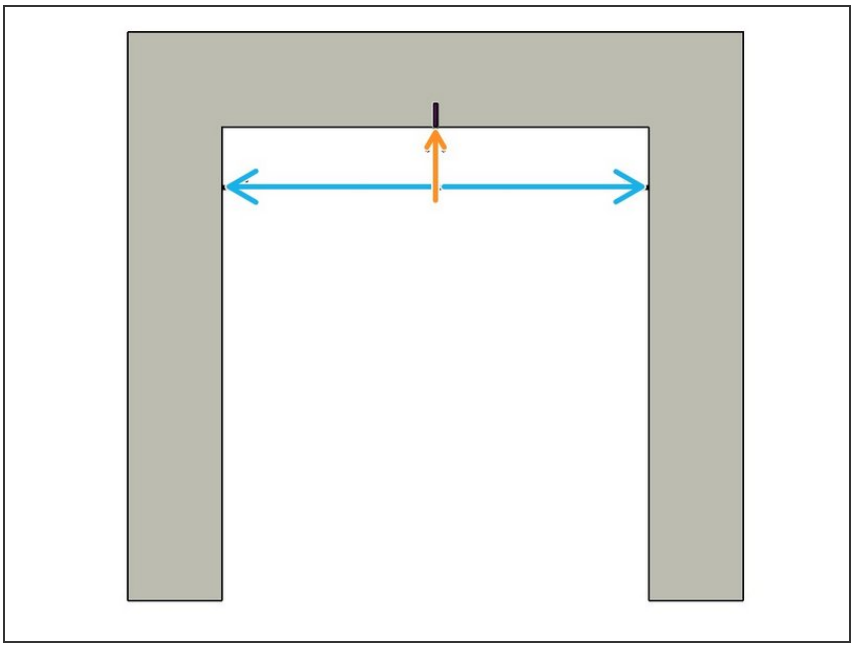
ADDITIONAL SUPPORT

For additional assistance after reviewing this instruction, please reach out to our Technical Support Team using the contact information.

Technical Support Contacts:

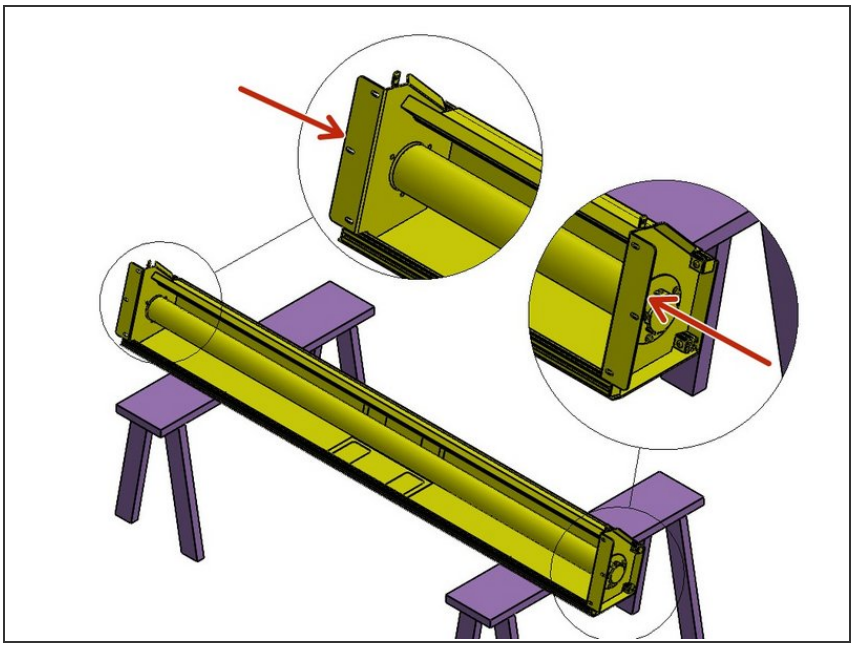
- Phone: 262-746-3374
- Email: techsupport@goffscw.com
- Website: http://www.goffsenterprises.com

Step 2 — Measure Opening and Mark the Centerline



- Measure the Opening Width near the top of the Opening.
- Divide that overall width measurement in half to find the Centerline location.
- Clearly Mark the Centerline location.

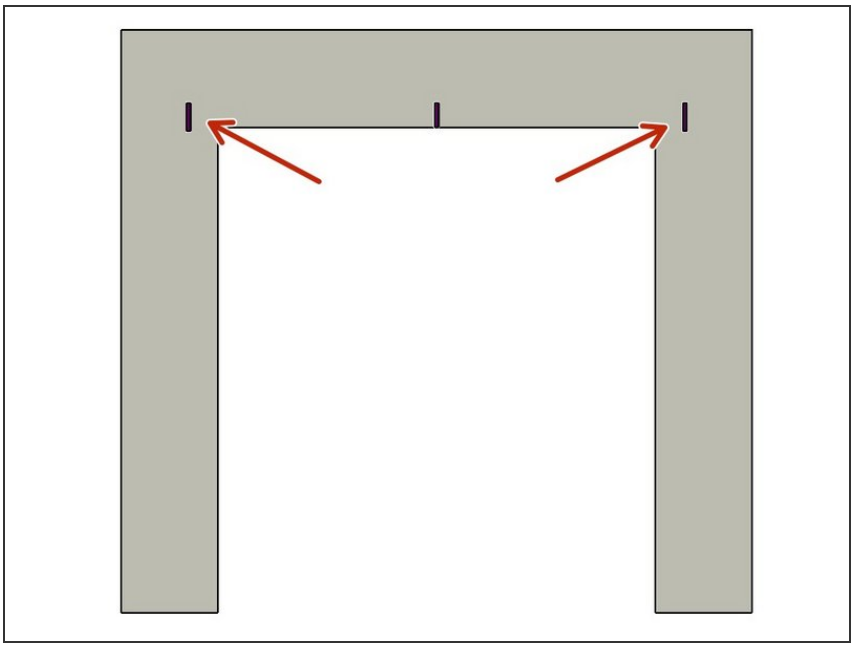
Step 3 — Measure Door Header Width



ⓘ The Header Measuring Process is identical for all Door Models. The Door Model you are installing may be different from the Model shown.

- Place the Door roll Header Assembly across a safe and level work surface, and rotate the roll assembly frame so that the Header Bracket Mounting flanges are facing upward.
- Measure the total width of the whole roll assembly from outermost edge of one Header Bracket's Mounting flange to the outermost edge of the opposite side.
- Divide that number by 2. This number is 1/2 of the Header Width, and is used to determine the Header location on the Left and Right Sides of the opening.

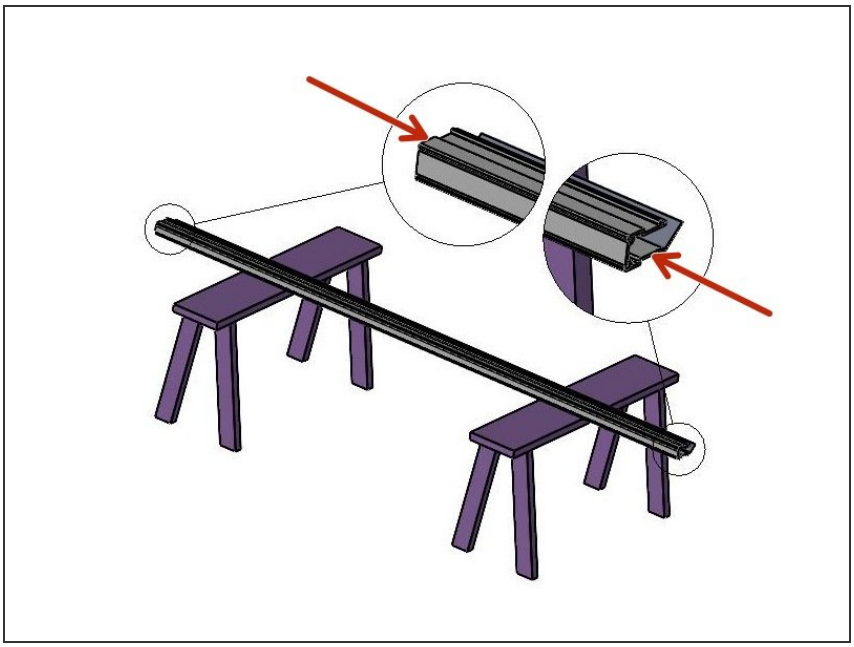
Step 4



- Mark this dimension on each side of the Opening Center mark.

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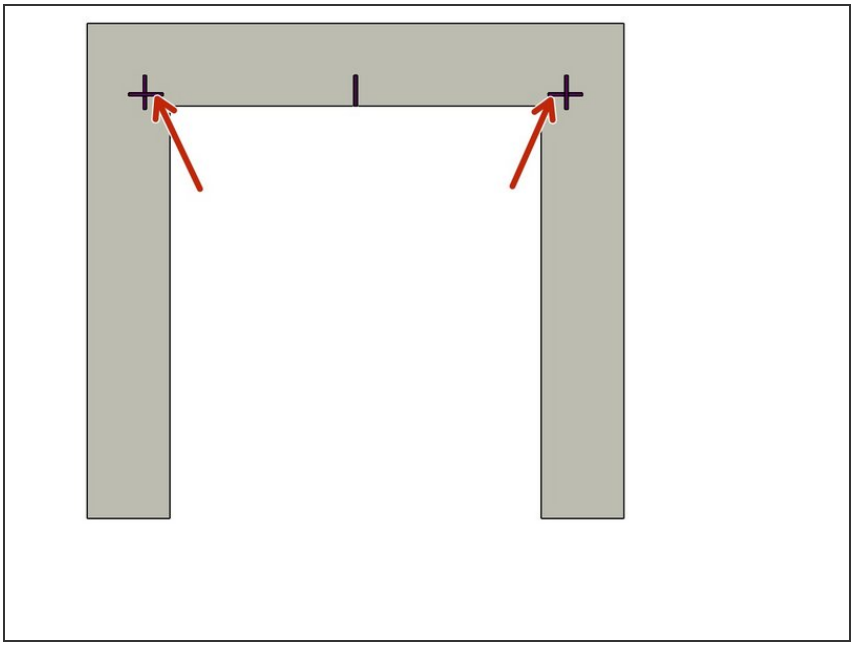
Step 5 — Measure Track Height



ⓘ The Track Measuring Process is identical for all G1 Door Models. The Door Model you are installing may be different from the Model shown.

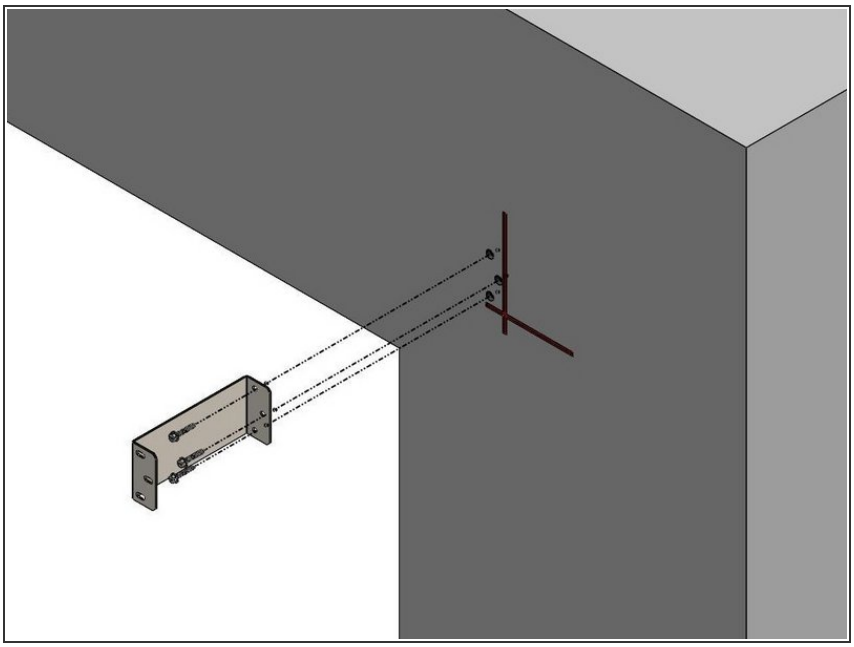
- Set one of the Vertical Track Assemblies on your work surface.
- Measure the Length of the Vinyl Track only.
- ADD 4” to this number and take note.
- This is the Height dimension needed to mark the location of the Bottom edge of the Header Mounting Brackets.

Step 6 — Mark the Calculated Height on the Opening



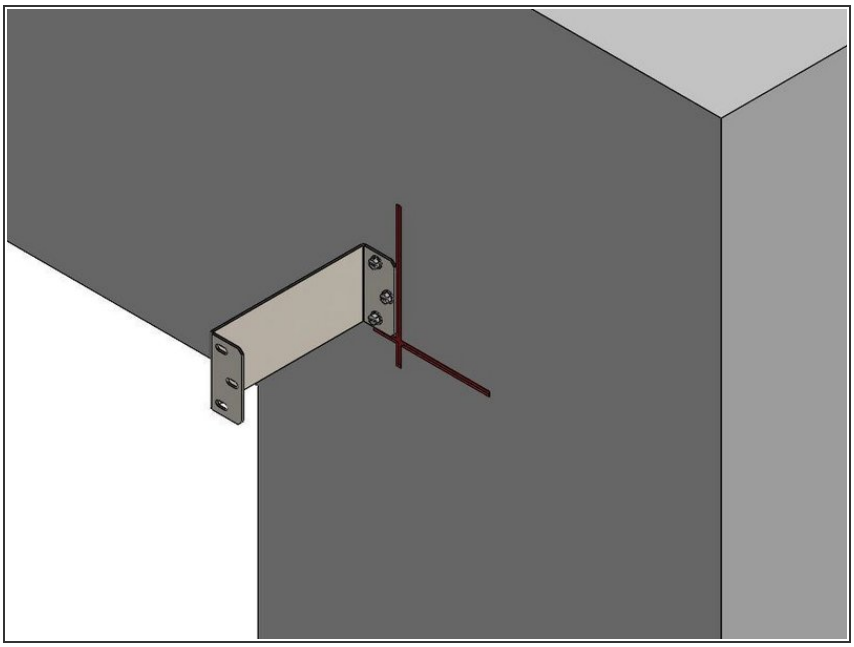
- With the Calculated number (Track length + 4"), add a Horizontal line on each side of the Opening that intersects the previously drawn Vertical line.

Step 7 — Bracket Orientation Guide



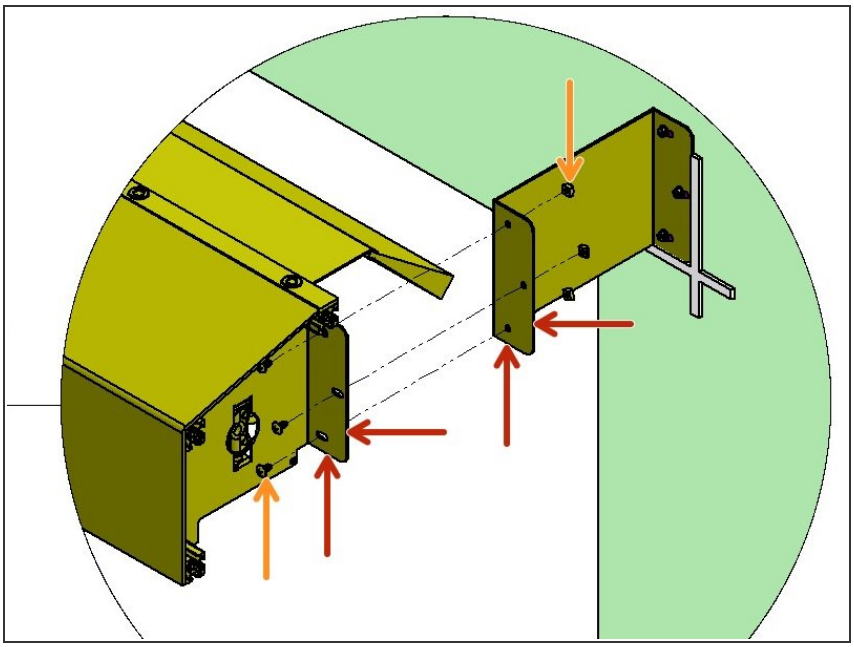
- ⓘ Orient the slotted end of the Header Mounting Projection Bracket against the Mounting Surface.
- ⓘ Orient the flange outward.
- Align the Bottom surface of the Header Mounting Bracket with the Horizontal line on the Mounting Surface.
- Align the Outer edge of the Header Mounting Bracket with the Vertical line on the Mounting Surface.
- Trace the slotted mounting slots onto the Mounting Surface.

Step 8 — Securing Bracket to Mounting Surface



- Loosely fasten Bracket to the Mounting Surface with appropriate hardware.
- Plumb the Bracket.
- Tighten Hardware securely.
- Repeat for the other Header Mounting Bracket.

Step 9 — Mount the Roll Header



⚠ Use two (2) people, and two ladders at minimum to Install the Roll Header Assembly.

- Raise the Roll Header Assembly into place on the Projection Brackets.
- Loosely tighten with three (3) sets of ¼-20 screws and hex nuts per side.
- Do not fully tighten hardware until the Header Assembly Brackets are aligned with the Projection Bracket's edges.
- Check the Header Assembly for level, and make any necessary final adjustments.
- Once aligned, fully tighten all six sets of hardware.
- At this point leave the roll assembly tied off and held in place as it comes.

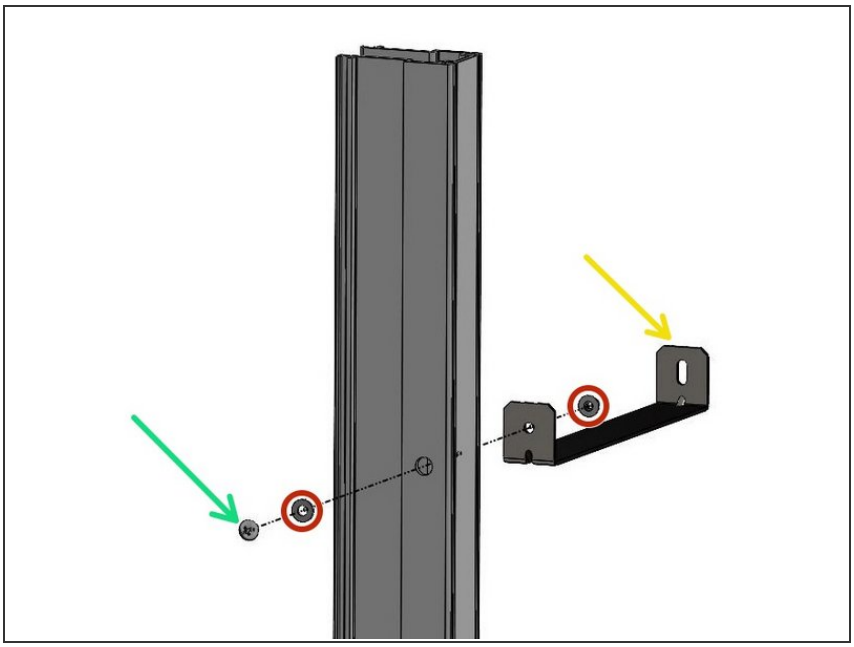
Step 10 — Overview Notes - G1 Track Installation

⚠ The Track Transition Bracket mounts to the Inside of the tab of the Header Assembly Mounting Bracket.

⚠ It is important to insert the Carriage Bolt from the inside of the Transition Bracket and the Washer and Hex Nut on the outside of the Header Bracket.

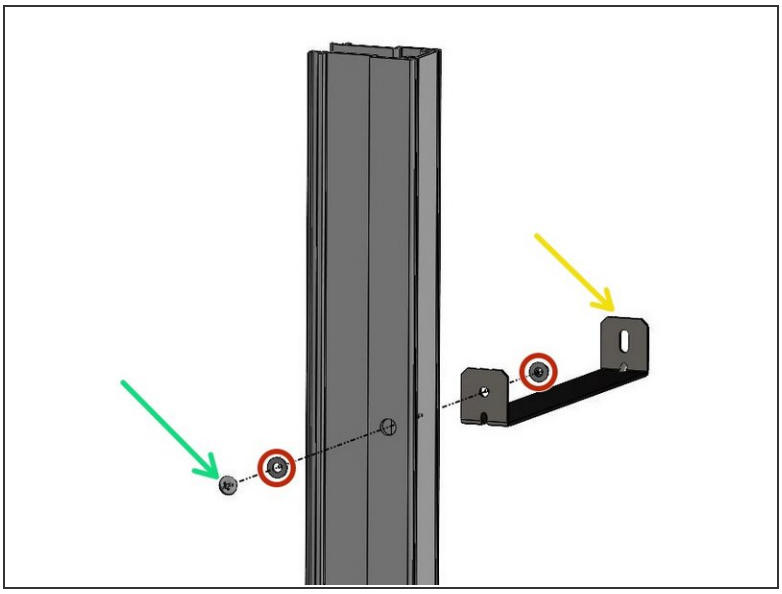
⚠ The Track must be plumb before securing it to the Mounting Surface.

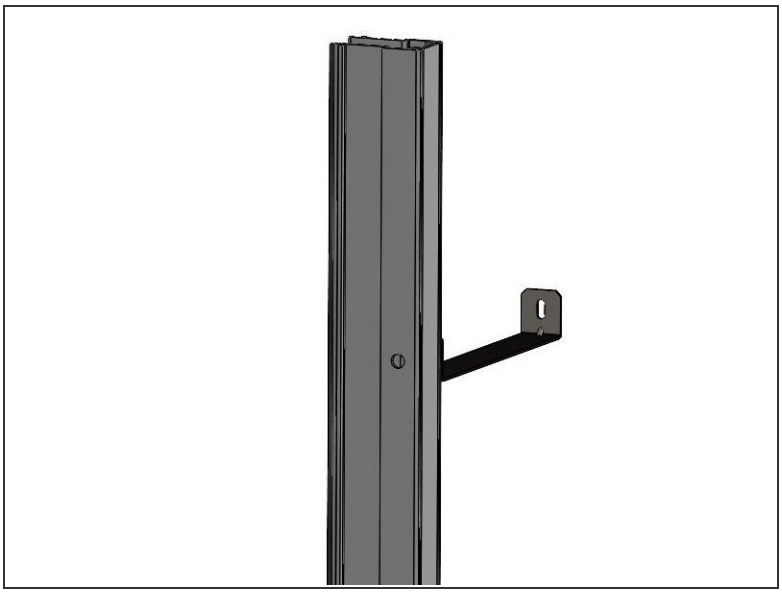
Step 11 — Orient Projection Mount Tracks



- ⓘ Tracks are marked for orientation as Left Side, and Right Side.
- Lay the two Vertical Track Assemblies on your work surface.
- Un-roll the Side Seal material.
- Remove the Plugs from the front of the Track
- Locate the Track Projection Mount Brackets, four (4) per Track.
- Locate four the ¼-20 Screws and Flanged Nuts.

Step 12 — Assemble Projection Mount Tracks





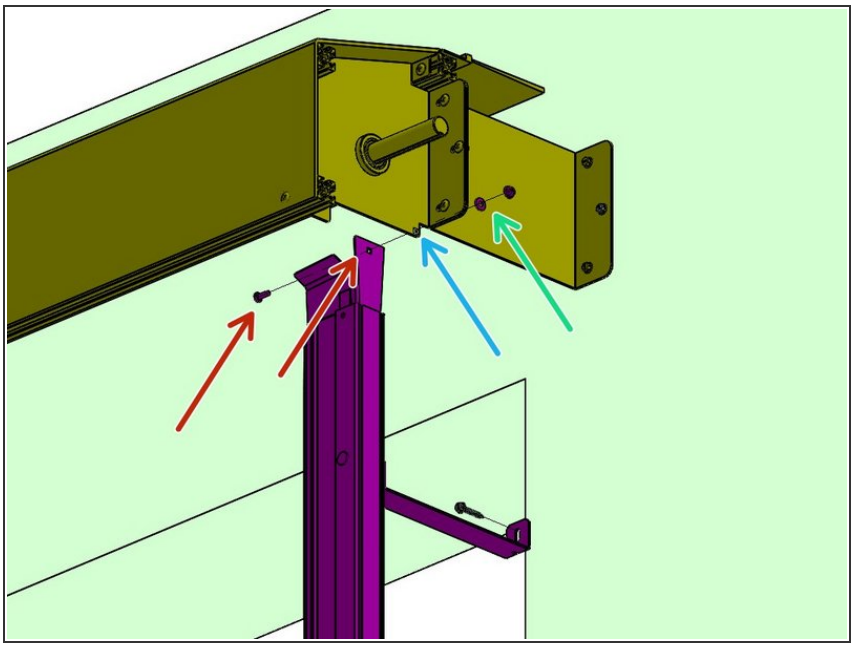
- Push a screw through the hole in the back surface from the inside of the Track.
- Slip the Projection Bracket onto the 1/4-20 Screw, with the hole facing the Track, and then thread the nut, onto the screw.

ⓘ The slotted end of the Projection Bracket will fasten to the Mounting Surface in a later step.

ⓘ These Brackets should be Mounted so that their Flanges point Vertically (as shown).

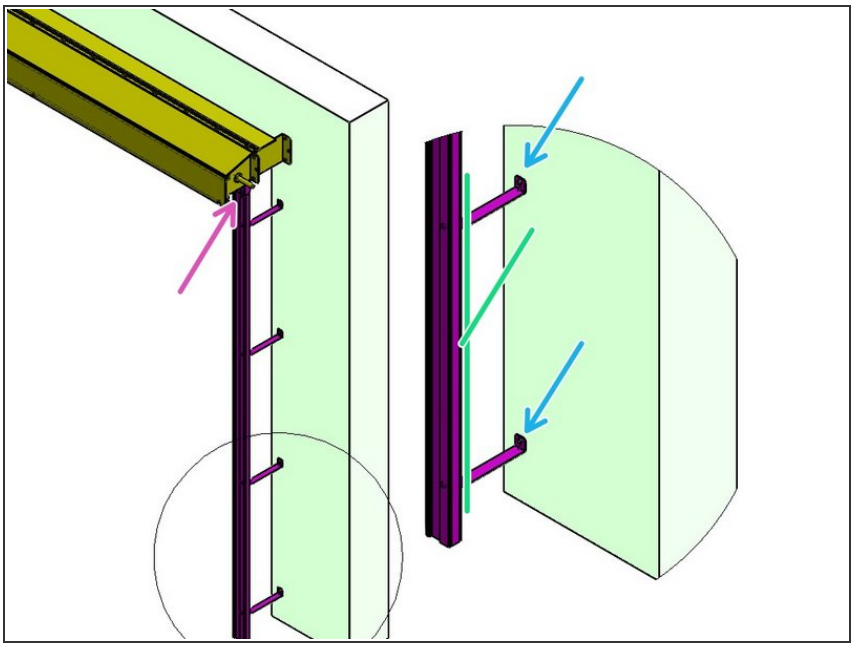
- Fully tighten the hardware for these brackets once they are aligned with the Track edges.
- Re-install the Plug Caps into the hardware access holes on the front side of the Tracks.

Step 13 — Projection Mount Track Installation



- The Track assembly mounts to the Inside of the Header Assembly Mounting Bracket.
- From the inside of the Track, Insert the Carriage Bolt fully through the Square hole.
- Then push the Carriage Bolt through the Header Bracket from the Inside.
- Slide the Washer onto the Bolt from the outside of the Header Bracket , and snug the Hex Nut on the Bolt. (This Track Mount hardware will be removed in later steps.)

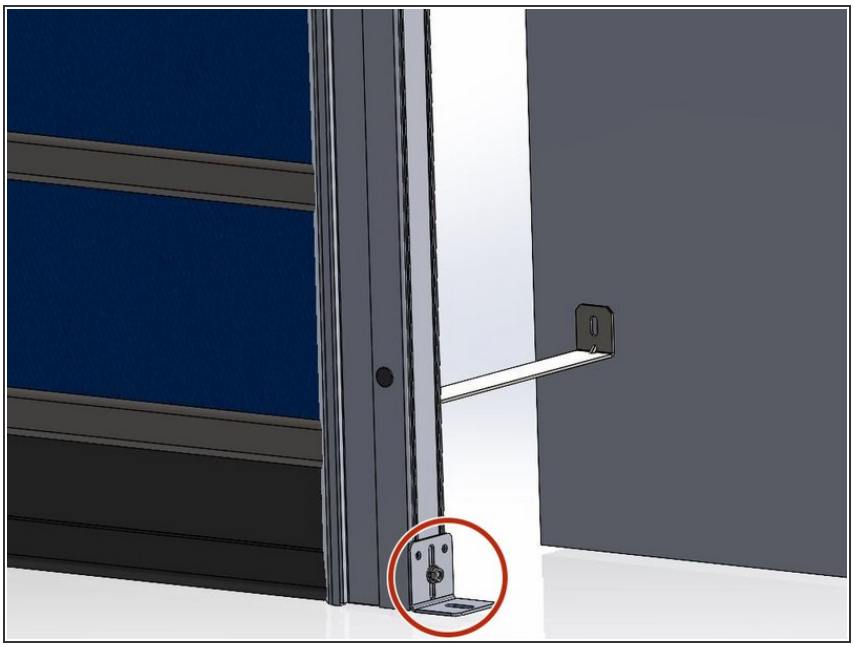
Step 14 — Install Track Brackets on Mounting Surface



- Plumb the Track Left to Right.
- Transfer the Mounting Hole locations onto the Mounting Surface.
- Remove the Track, and prepare these locations for Hardware appropriate to the Building Material.
- Reinstall, snugly, the Track Mount Hardware. (It will be removed again in a later step.)
- With the Track “hanging” in this position, Plumb the Track Left to Right.
- Secure the Track Brackets to the Mounting Surface.
- Tighten all of the Hardware Securely.

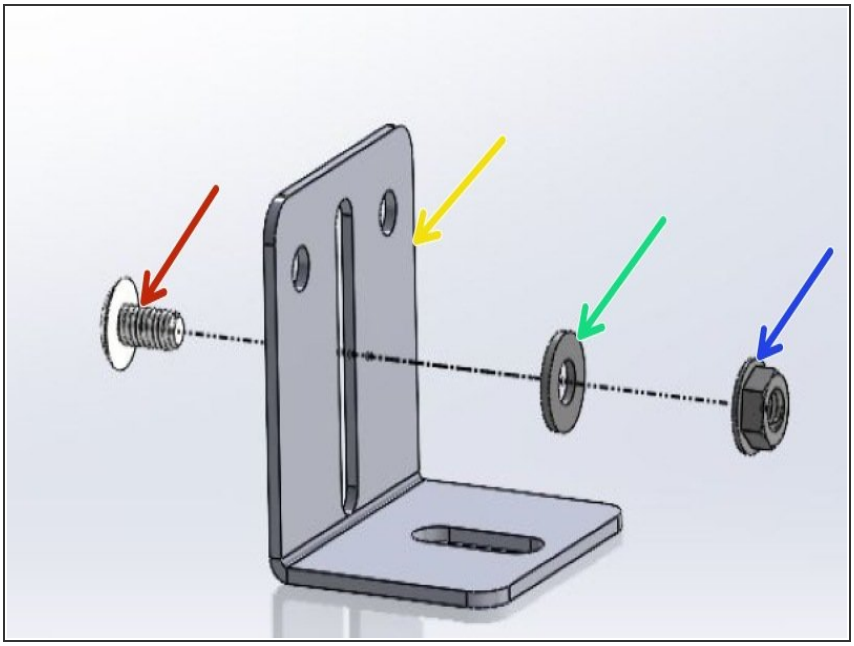
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Step 15 — Floor Bracket Installation



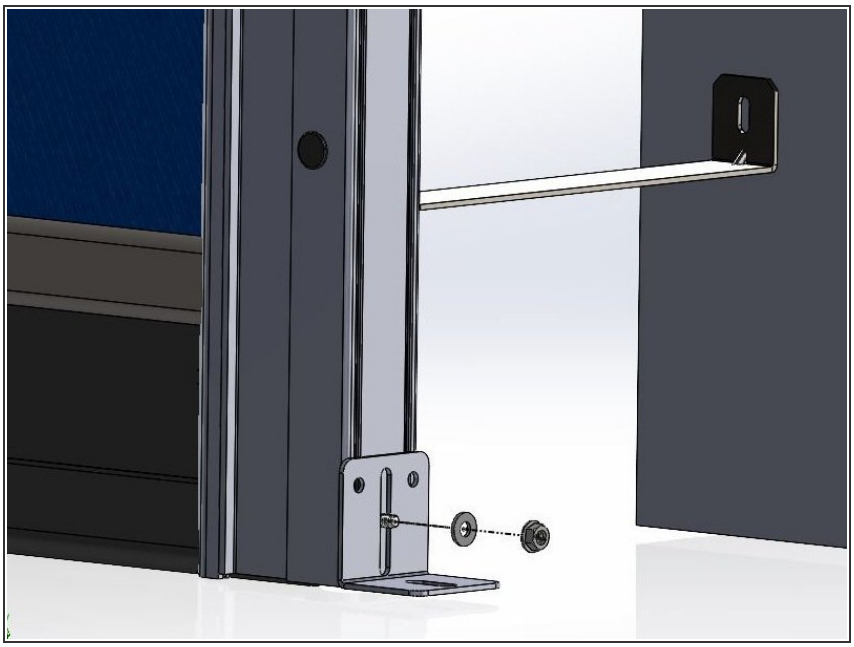
- Installing this Provided Kit is Recommended by Goff's.
- The purpose of this Kit is to Anchor the Vertical Tracks to the Floor to completely inhibit their ability to move left and right.

Step 16 — Components



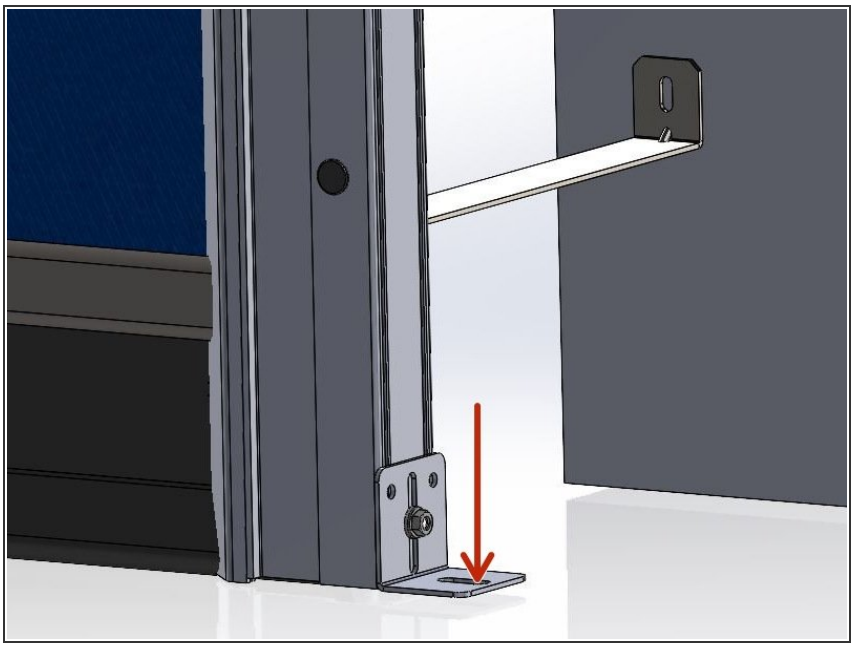
- What you will Receive:
- L-Bracket
- 1/4-20 Machine Screw
- 1/4in ID Flat Washer
- 1/4-20 Serrated Flange Nut

Step 17 — Mounting to Vertical Track



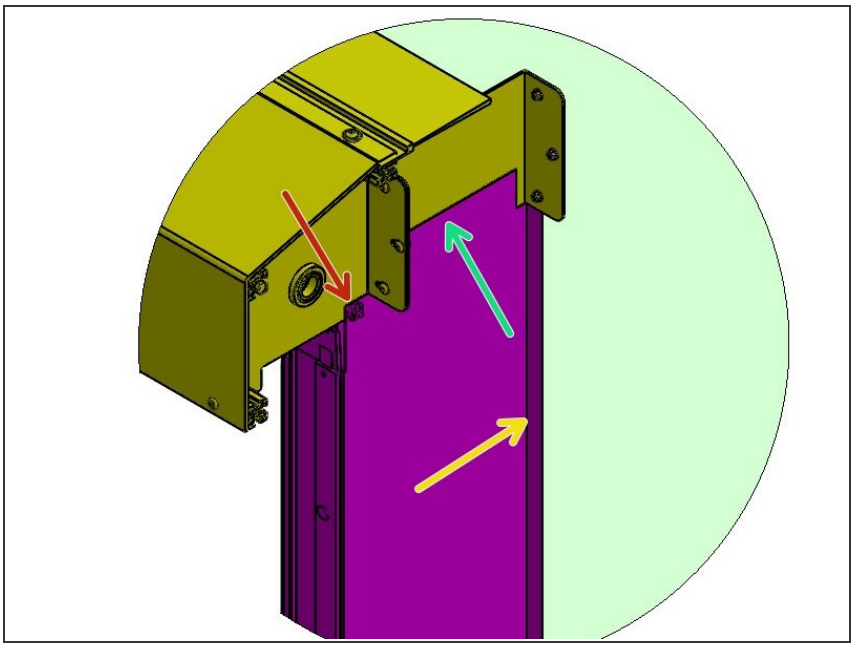
- Set the Bracket in place at the bottom of the Vertical Track and make a mark on the Track for a through hole.
- Drill a clearance hole for the 1/4-20 Machine Screw.
- Insert the Machine Screw from the Inside the Vertical Track so that the Threaded end sticks out, allowing the Bracket, Washer, and Flange Nut to be installed on the outside of the Track.

Step 18 — Anchoring to the Floor



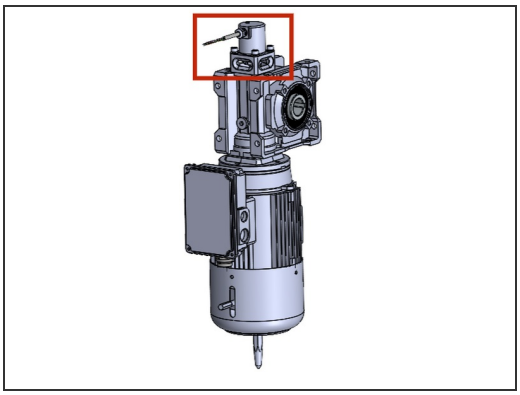
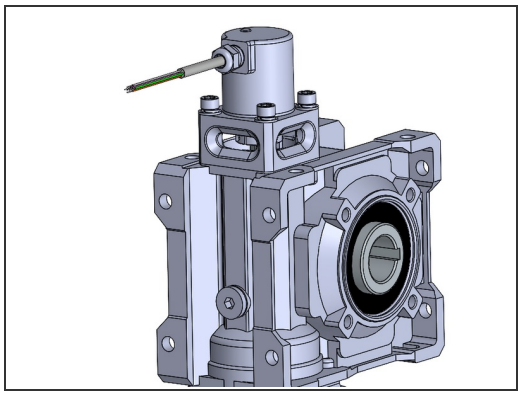
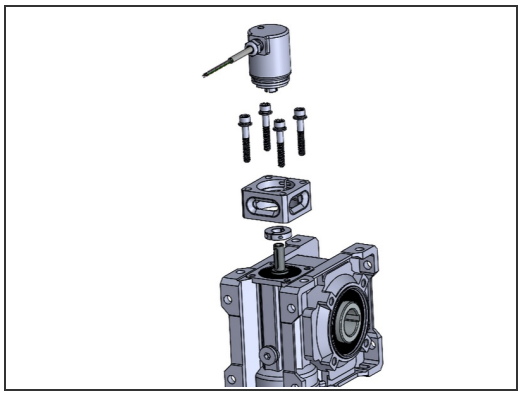
- Drill directly through the bottom hole on the bracket into the floor.
  - ⓘ Fasteners for anchoring into the floor/ground are not provided.
  - ⚠ Please use best judgment to decide the appropriate fastener for your specific floor material.
- Repeat on opposite Vertical Track Assembly.
- Completely tighten all fasteners to ensure Vertical Tracks are wobble-free.

Step 19 — Install the Side Seal Material



- Remove the Track Mounting Hardware.
- Re-Install the Hardware with the Side Seal Grommet under the Washer and Nut, then tighten Securely.
- Affix the Hook and loop Material to the Header Bracket along the Top Edge of the Side Seal Material.
- Fold and Secure the Side Seal Material to the Mounting Surface.

Step 20 — Absolute Encoder

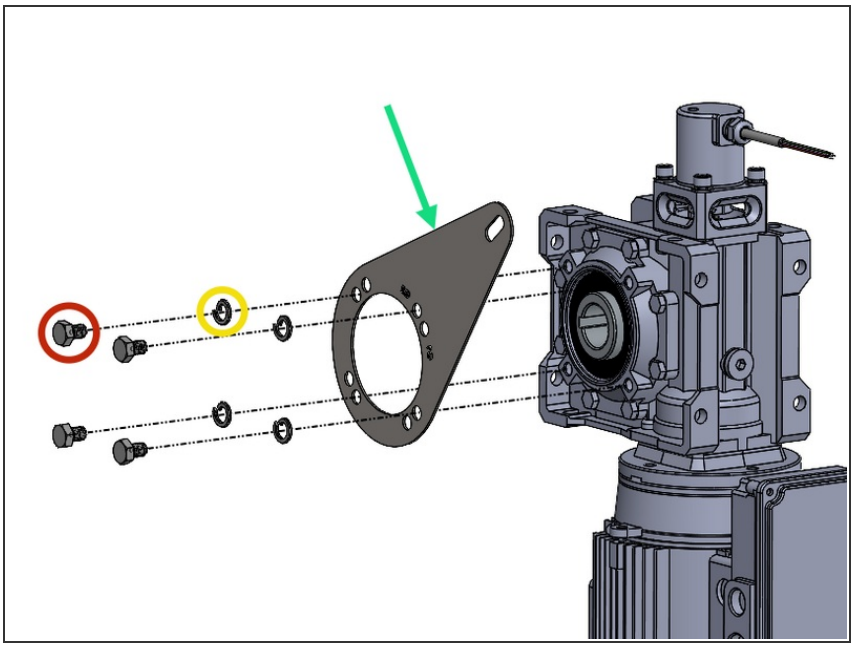
ⓘ New Door Orders will come with the Encoder Mounted on the Motor from the Factory.

- If you are replacing an encoder:
  - Install the Encoder Unit (with the clamp collar) into the Mount until it Falls/Locks into place and cannot Rotate within the Mount.
  - Install the Encoder and Mount Assembly onto the Motor Housing using the Provided Socket Cap Bolts and Lock Washers.

⚠ Make sure the Coupler on the Bottom of the Encoder, Fits over the Shaft on the Top of the Motor.

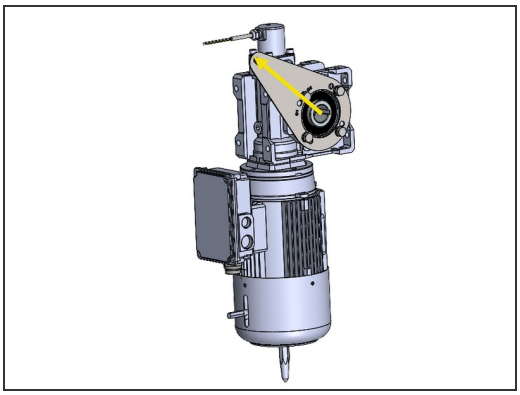
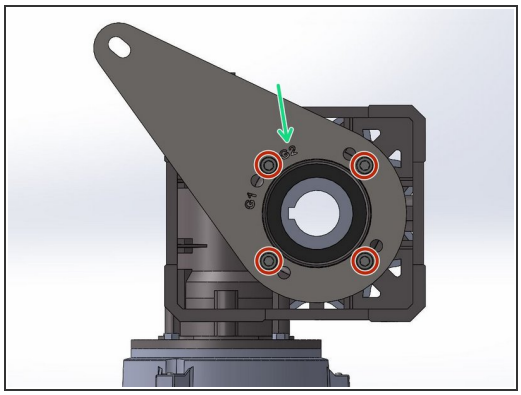
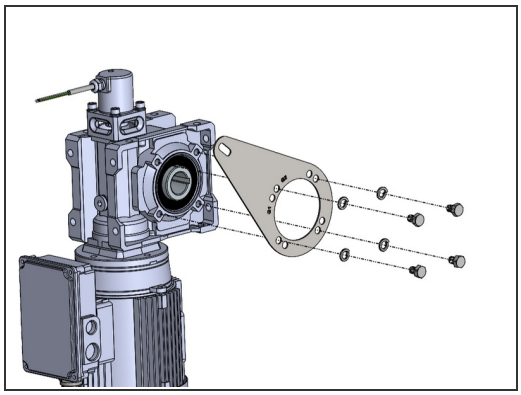
  - Tighten The set Screw on the Clamp Collar/Coupler to Positively Secure the Encoder to the Shaft so that they rotate together.

Step 21 — Components for Installing Mount Bracket to Motor



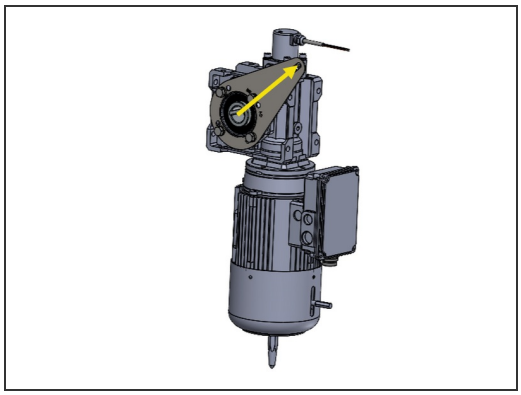
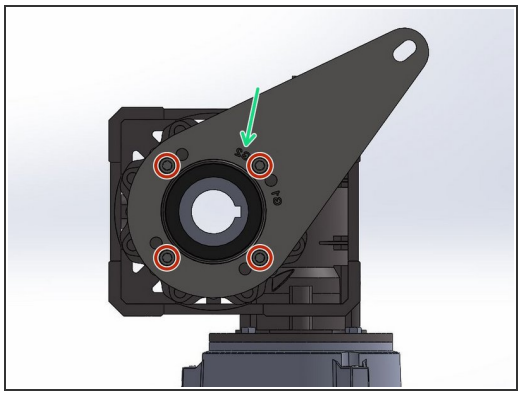
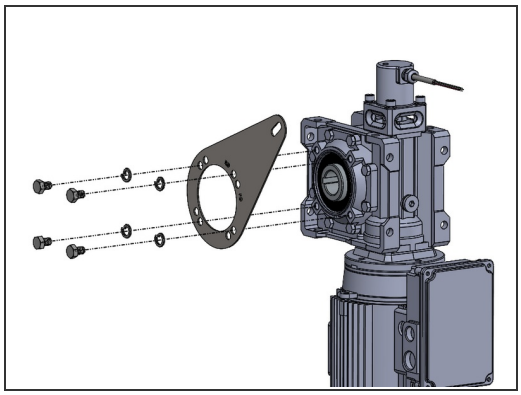
- (4) M8 x 1.25mm x 12mm Long Socket Cap Screws
  - ⓘ Requires 1/2in Socket or Wrench
- (4) M8 Split-Lock Washers
- (1) Motor Mount Anti-Torque Bracket

Step 22 — Mounting Bracket onto Motor - LH Drive, G2 Door

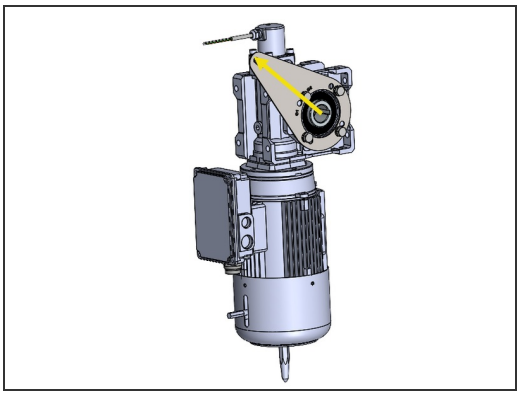
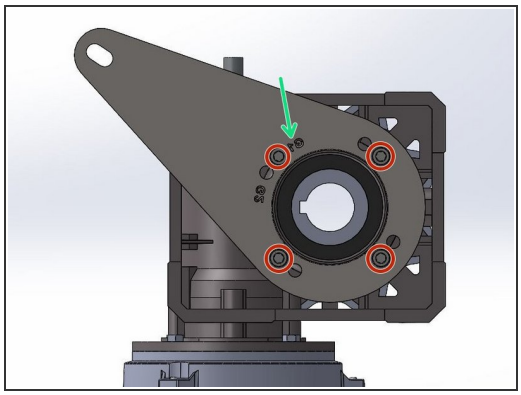
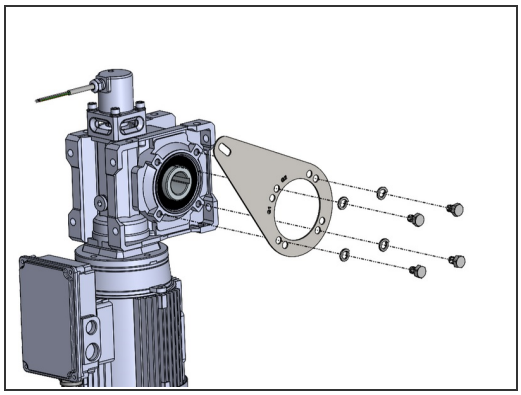
- Note the Orientation of the Bracket in Relation to the Motor.
- ⓘ The Bracket has 2 Hole-Patterns Corresponding to G1 and G2 Doors. This ensures the proper Alignment when Installing the Motor Assembly onto a G1 or G2 Door.
- For a G2 Door, Use the G2 Hole Pattern, and Vice Versa.
  - ⓘ G1 Doors include Model 2000 and Clean Guard.
  - ⓘ G2 Doors include Wash Guard, Harsh Guard and Machine Guard.
- On a LH Drive, G2 Door, the Letters will Read Normally/Forward when the Bracket is Mounted onto the Motor.
- Place the Bracket up on the Motor with the proper Hole Alignment.
- Place the Lock Washer onto the Screw and Fasten the Bracket onto the Motor.

Step 23 — Mounting Bracket onto Motor - RH Drive, G2 Door

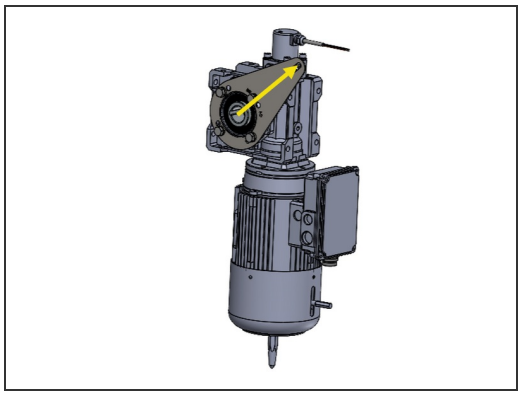
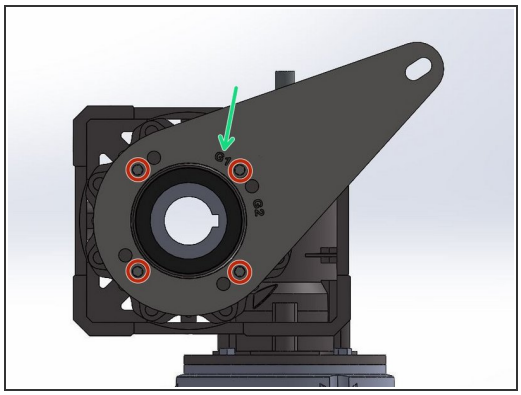
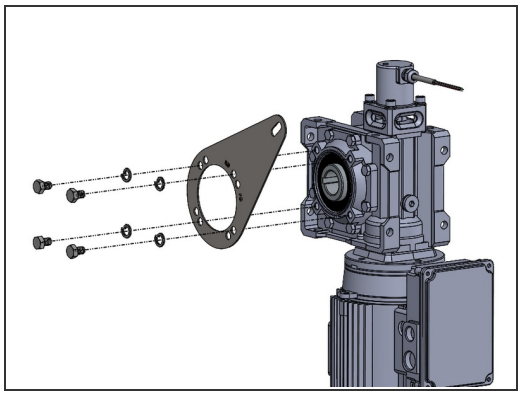
- Note the Orientation of the Bracket in Relation to the Motor.
- ⓘ The Bracket has 2 Hole-Patterns Corresponding to G1 and G2 Doors. This ensures the proper Alignment when Installing the Motor Assembly onto a G1 or G2 Door.
- For a G2 Door, Use the G2 Hole Pattern, and Vice Versa.
  - ⓘ G1 Doors include Model 2000 and Clean Guard.
  - ⓘ G2 Doors include Wash Guard, Harsh Guard and Machine Guard.
- On a RH Drive, G2 Door, the Letters will Read Backwards when the Bracket is Mounted onto the Motor.
- Place the Bracket up on the Motor with the proper Hole Alignment.
- Place the Lock Washer onto the Screw and Fasten the Bracket onto the Motor.

Step 24 — Mounting Bracket onto Motor - LH Drive, G1 Door

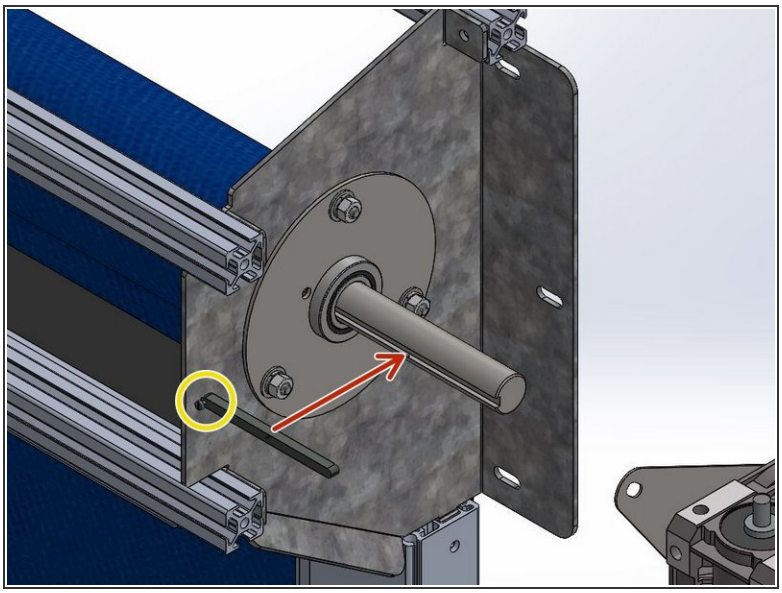
- Note the Orientation of the Bracket in Relation to the Motor.
- ⓘ The Bracket has 2 Hole-Patterns Corresponding the G1 and G2 Doors. This ensures the proper Alignment when Installing the Motor Assembly onto a G1 or G2 Door.
- For a G1 Door, Use the G1 Hole Pattern, and Vice Versa.
  - ⓘ G1 Doors include Model 2000 and Clean Guard.
  - ⓘ G2 Doors include Wash Guard, Harsh Guard and Machine Guard.
- On a LH Drive G1 Door, the Letters will Read Backwards when the Bracket is Mounted onto the Motor.
- Place the Bracket up on the Motor with the proper Hole Alignment.
- Place the Lock Washer onto the Screw and Fasten the Bracket onto the Motor.

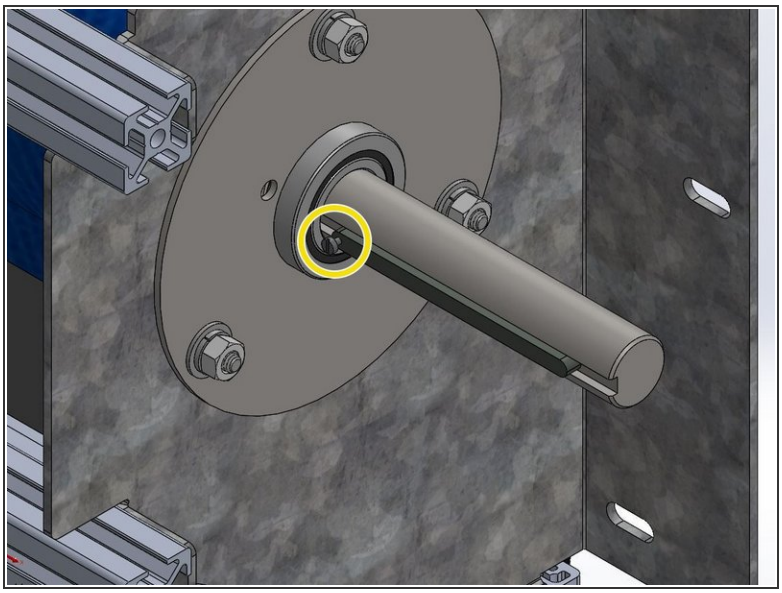
Step 25 — Mounting Bracket onto Motor - RH Drive, G1 Door

- Note the Orientation of the Bracket in Relation to the Motor.
- ⓘ The Bracket has 2 Hole-Patterns Corresponding the G1 and G2 Doors. This ensures the proper Alignment when Installing the Motor Assembly onto a G1 or G2 Door.
- For a G1 Door, Use the G1 Hole Pattern, and Vice Versa.
  - ⓘ G1 Doors include Model 2000 and Clean Guard.
  - ⓘ G2 Doors include Wash Guard, Harsh Guard and Machine Guard.
- On a RH Drive G1 Door, the Letters will Read Normally/Forward when the Bracket is Mounted onto the Motor.
- Place the Bracket up on the Motor with the proper Hole Alignment.
- Place the Lock Washer onto the Screw and Fasten the Bracket onto the Motor.

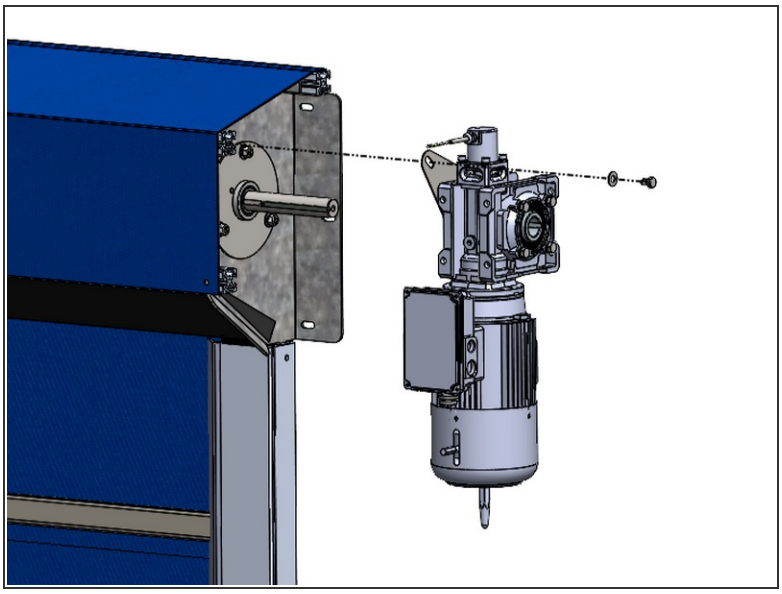
Step 26 — Installing the Machine Key

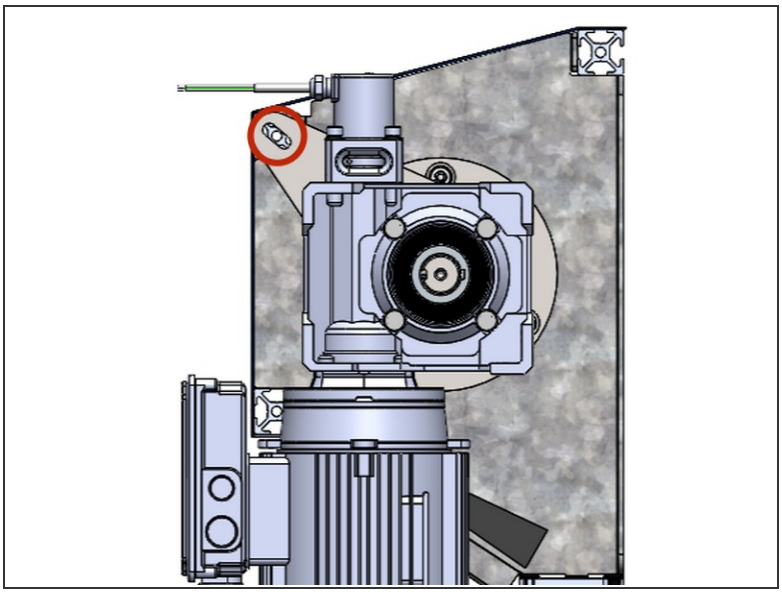




- **Install the Machine Key onto the Drive Shaft with the Set Screw Oriented Towards the Header (Between Motor and Door).**

Step 27 — Installing the Motor on the Shaft

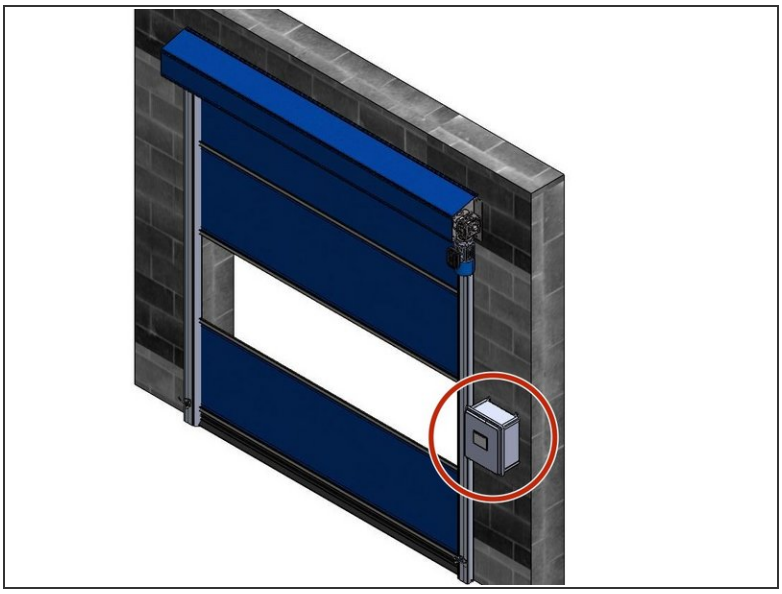


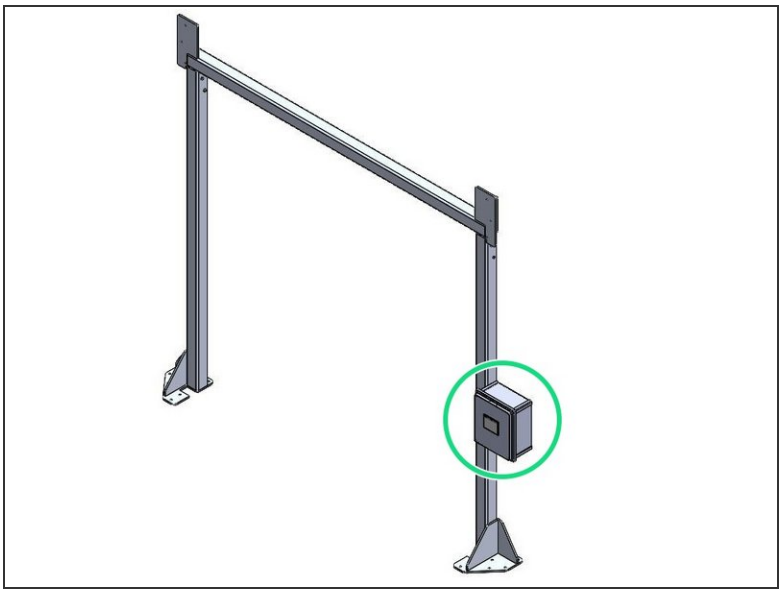


- Slide the Motor onto the Shaft and Key.
- Tilt the Motor to Align the Hole in the Motor Mount Bracket with the Hole on the end of the Upper, Front Rail.
- This should result in the Motor being oriented Vertically and Plumb (See Image 2).

⚠ Place the 5/16 Flat Washer onto the 5/16-18 x 1/2in Hex Bolt and Fasten the Motor to the Door with a Ratchet or Impact Driver.

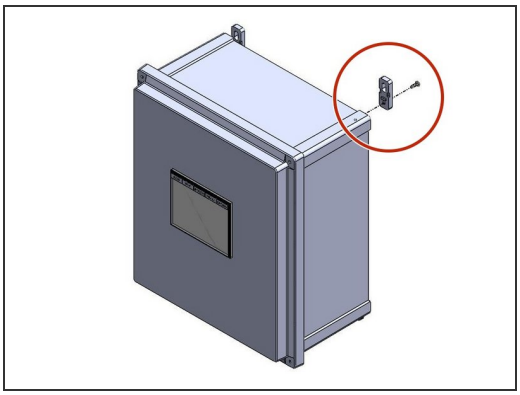
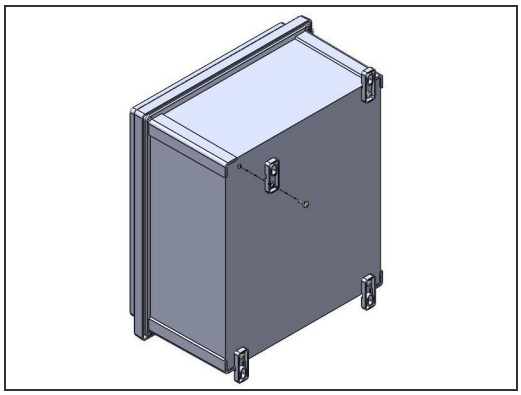
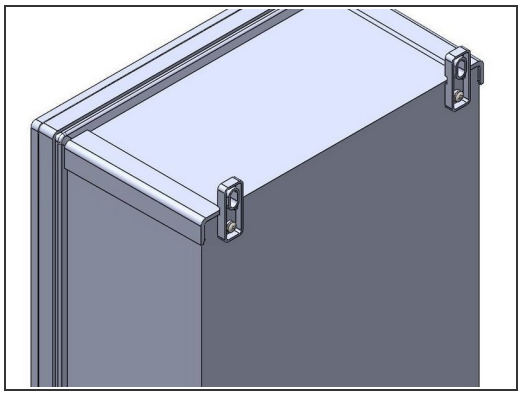
Step 28 — Control Panel Mounting Options





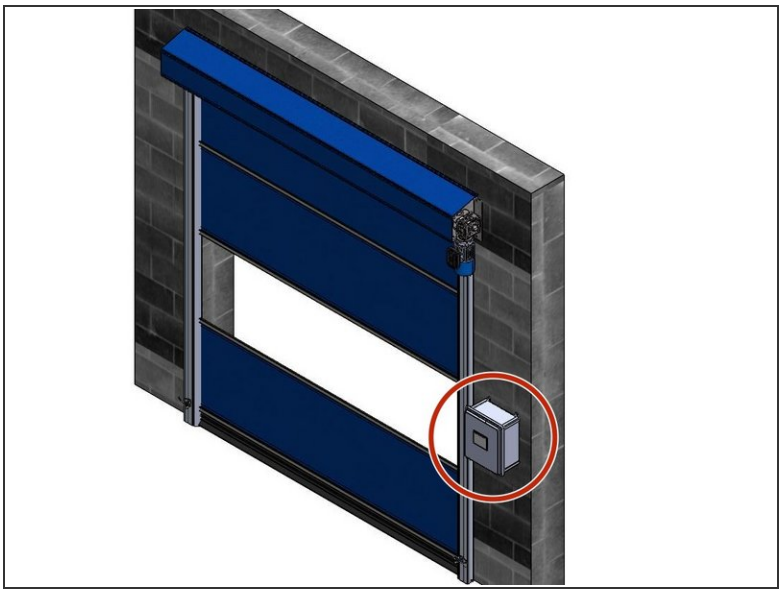
- The Goff's ICS3 Control Panel can be Mounted in two different ways:
  - Flush Mounted on a Wall/Surface with the provided Feet.
  - Mounted on a Door Frame with the provided Side-Mount Bracket.
    - ⓘ Side-Mount Bracket only included when your door is ordered with a Door Frame.

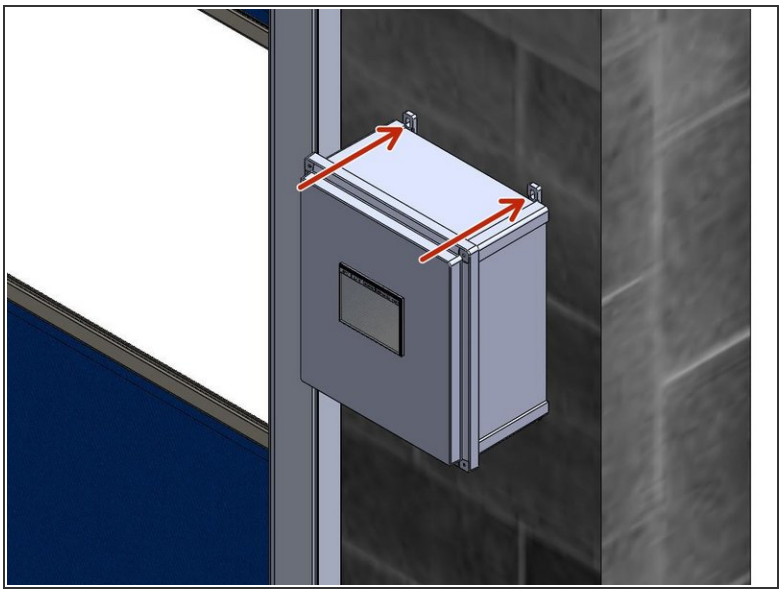
Step 29 — Flush Mounting - Part 1

- Inside of the Goff's provided Control Panel, there will be a bag containing (4) Feet and (4) 10-32 x 1/2in Screws
- There are (4) threaded inserts in the back of the Control Panel that will receive the 10-32 x 1/2in Screws.
- Use these threaded inserts, to Fasten the provided Feet onto the Control Panel.

Step 30 — Flush Mounting - Part 2

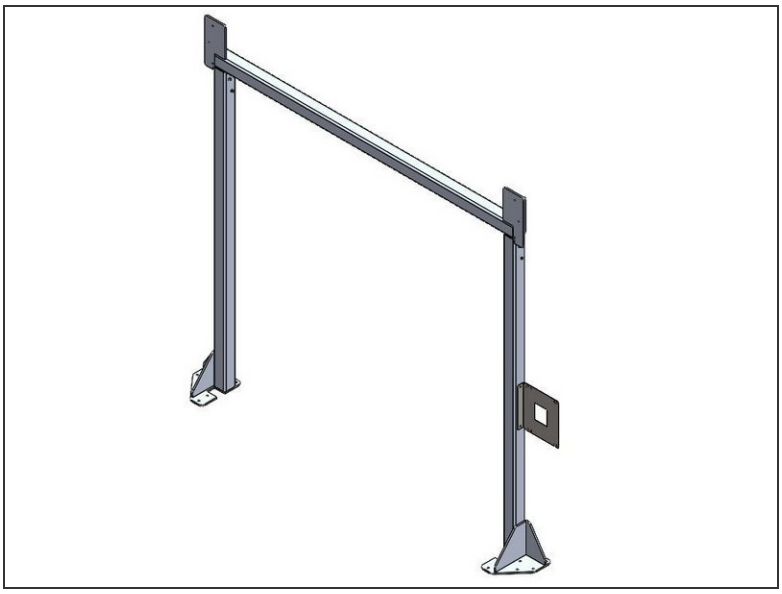


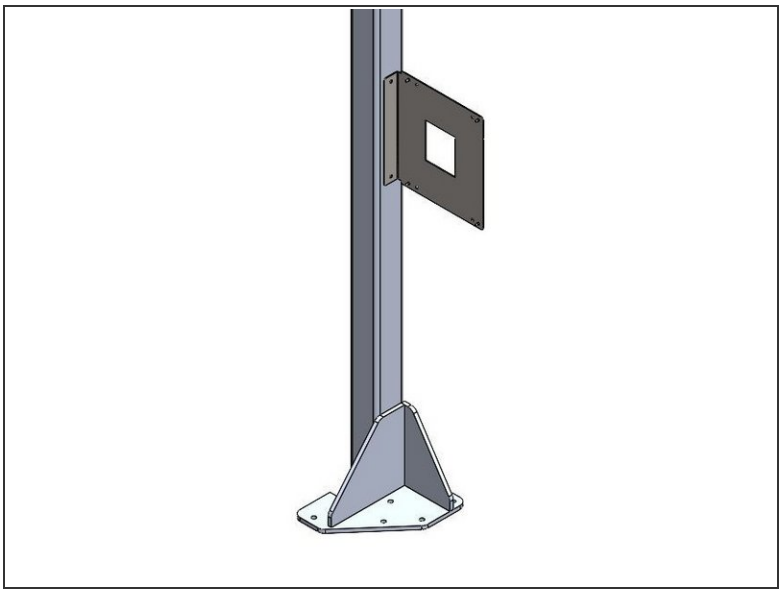


⚠ Goff's does not provide Fasteners for your Mounting Surface. It is up to you to determine the appropriate fasteners for the material you are mounting to.

- With the appropriate Fasteners, Secure the Control Panel to the wall through the Feet.
  - ⓘ The Control Panel can be Mounted at any Height or Location within 16ft of the Motor as the provided quick-connect motor cable is 16ft long.
  - ⓘ If you need a longer cable for any reason, Goff's can provide it, but you will lose the quick-connect capability between the motor and panel. This means the panel will need to be wired into the motor in the field.

Step 31 — Side Mounting - Part 1





⚠ **When Side-Mounting a Control Panel onto a Door Frame, the Bracket must be Mounted to the Door Frame Before the Control Panel can be Mounted to the Bracket.**

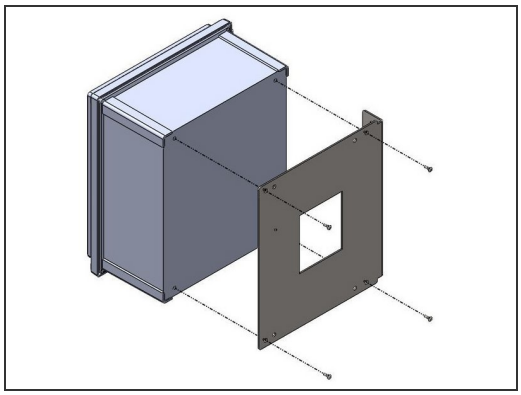
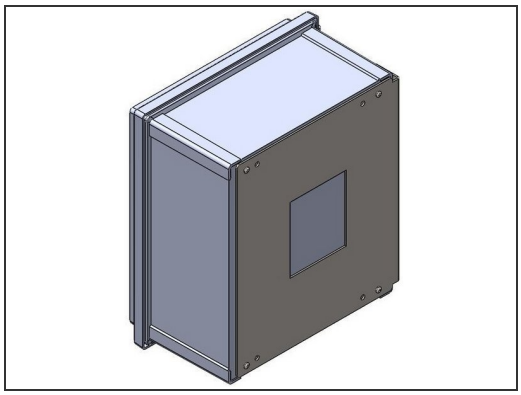
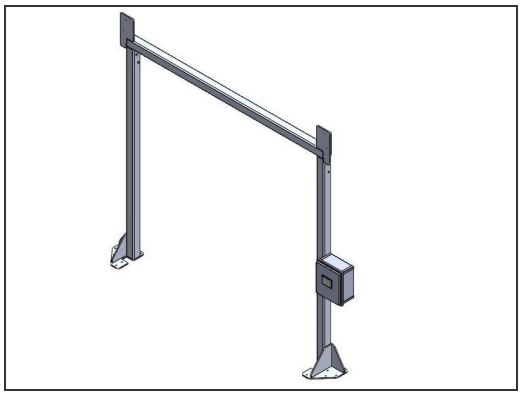
ⓘ Goff's will provide (2) Self-Drilling Fasteners to use for Mounting the Bracket to the Door Frame.

ⓘ The Bracket/Control Panel can be Mounted at any Location on the Door Frame as long as the 16ft quick-connect Cable from the Control Panel can reach the Motor.

- ⓘ If you need a longer cable for any reason, Goff's can provide it, but you will lose the quick-connect capability between the motor and panel. This means the panel will need to be wired into the motor in the field.

ⓘ The Bracket can be Flipped to allow Left- or Right-Hand Mounting.

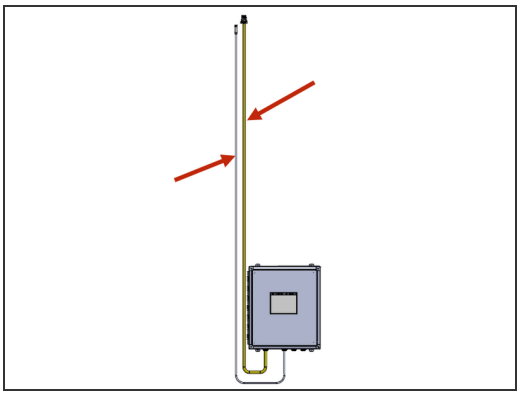
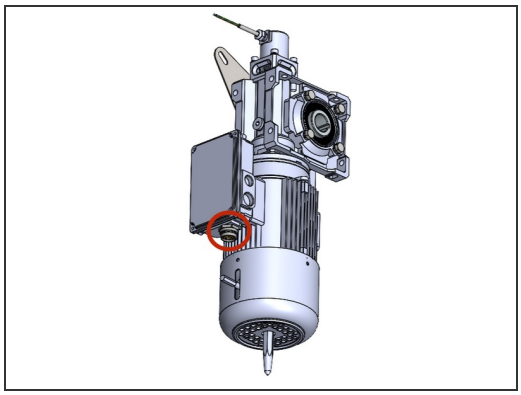
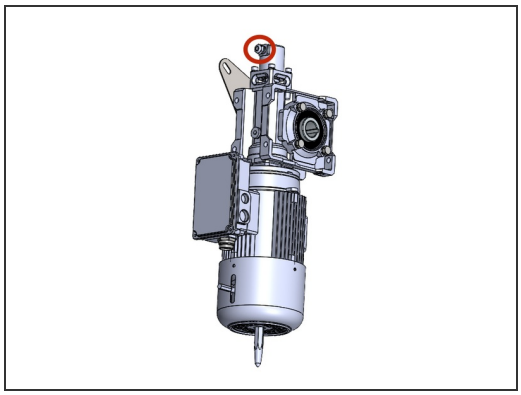
Step 32 — Side Mounting - Part 2

- Inside of the Control Panel, there will be a bag containing (4) 10-32 x 1/2in Screws
  - ⓘ These Screws will be needed to Install Control Panel onto the Side-Mount Bracket.
- There are (4) threaded inserts in the back of the Control Panel that will receive the 10-32 x 1/2in Screws.

⚠ Use the Outer-Most Hole Pattern on the Side-Mount Bracket to ensure proper hole alignment with the Control Panel. Use these threaded inserts, to Fasten the Control Panel onto the Side-Mount Bracket.

Step 33 — ICS3 Control Panel - Plug & Play Motor and Encoder Connections

- From the Factory, your Goff's Supplied Control Panel will have (2) Cables coming out of it. The yellow cable is for the motor, and the other smaller cable is for the encoder. These cables are equipped with quick-connect threaded plugs that will thread into a receptacle on the motor and encoder.

  ⚠ This motor cable is 16ft long. Make sure to mount the panel in a location where the cable can reach the motor.

  ⓘ If you need to shorten this cable, do it from the end terminated inside the control panel.

  ⓘ If you need a longer cable for any reason, Goff's can provide it, but you will lose the quick-connect capability between the motor and panel. This means the panel will need to be hard-wired into the motor in the field.

- Make the connections at the motor and encoder.

⚠ **It is critical to keep the high voltage motor cable, and the low voltage encoder cable separated and not tied together.**

Step 34 — Setting the Limits at the Control Panel - Part 1 (REPLACEMENT ENCODERS ONLY)





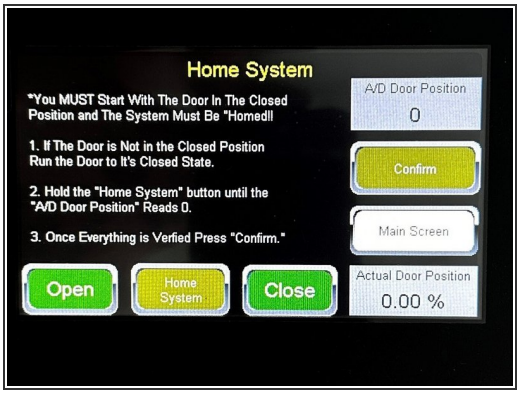
- **IF THIS IS A NEW DOOR AND THE ENCODER IS ALREADY MOUNTED ON THE MOTOR, SKIP THIS STEP.** If you are replacing an encoder, tap the following series of Buttons to get from the Home Screen to the Limit-Setting Screen:
  - Setup And Diagnostics
  - Setup > Settings > Next Screen
  - Encoder Calibration

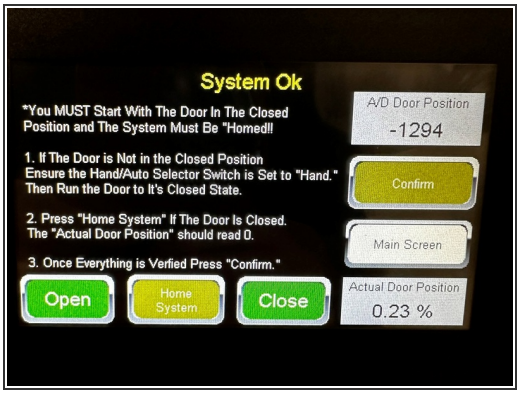
ⓘ First we need to scale the encoder. We do this by running the door

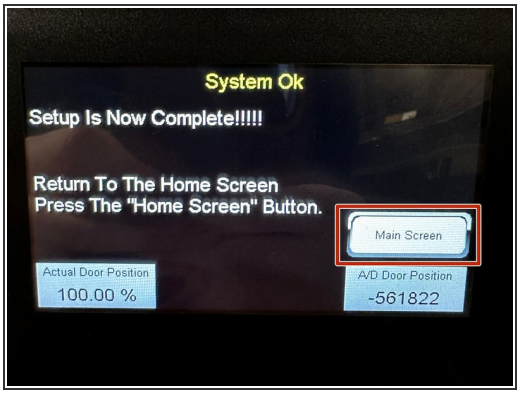
- (Image 1) First, run the door down slightly past the desired close limit position (a few inches is enough). Hit Enter and wait for the screen to switch.
- (Image 2) When the screen changes, run the door open slightly past the desired open limit position (a few inches is enough). Hit Enter and wait for the screen to switch.

- Once the screen changes again, proceed to the next step of this guide.

Step 35 — Setting the Limits at the Control Panel - Part 2







- For new doors that already have the encoder mounted on the motor, press the following series of buttons to get to the limit setting screen(s):
  - Setup & Diagnostics
  - Setup
  - Quick Setup
- Now, simply Follow the On-Screen Prompts to Teach the Open- and Closed-Limits positioned exactly as you want them.
- Once Complete. Press the "Main Screen" Button.
- You are now ready to Operate your Goff's Door.