Sliding Door Installation Instructions

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Mounting Operator at Proper Height (for a given door height)

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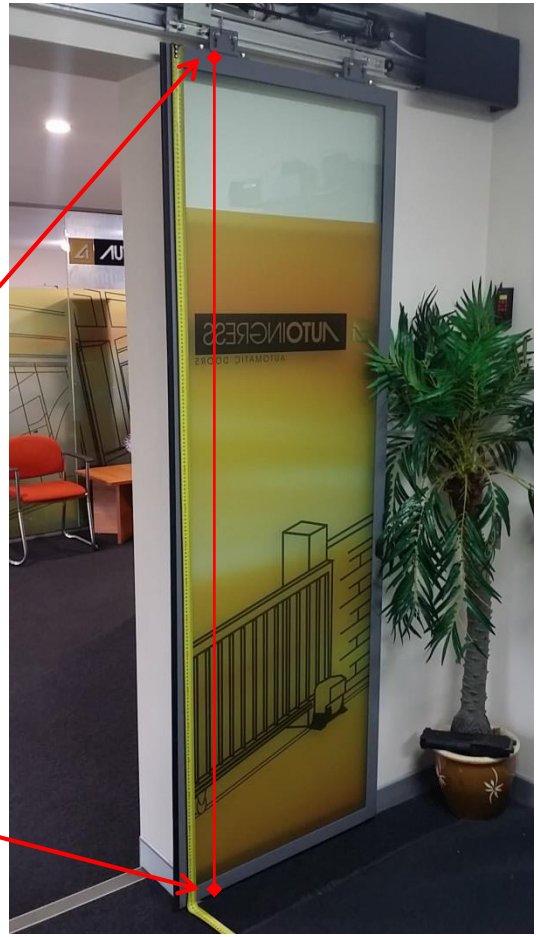
Step 1: Measure Total Height of Door

Top of Glass Panel

Base of mounting bracket



Base of Door

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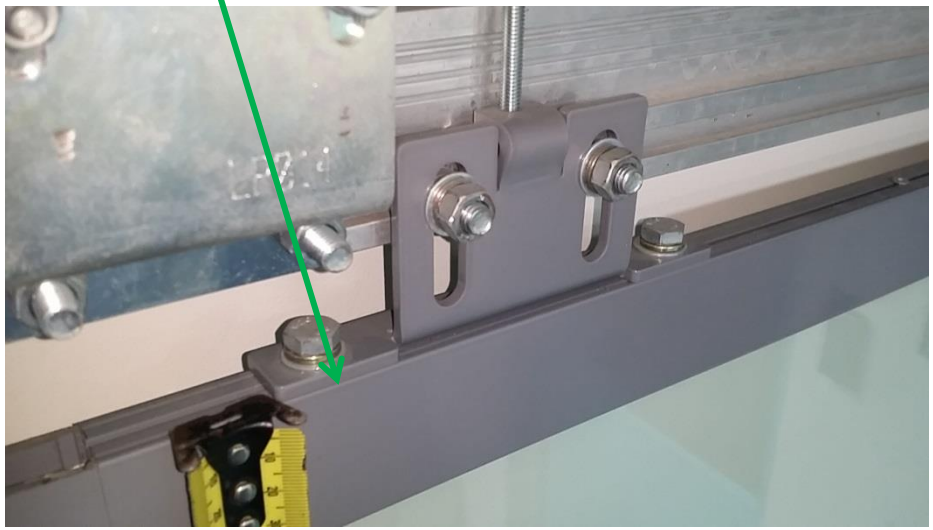
Note: Door Height for aluminium framed doors must be measured to base of mounting bracket, not top of door.

Measure to
base of bracket

Do not measure to top
of door

Measure to here



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Step 2a: Calculate Minimum Mounting Height Using Formula Below (Aluminium Framed)

[Mounting Height] = [Door Height] + 55mm – [Operator Modifier]

Operator Modifiers:
LS220B = 10mm
LS300 = 30mm
LS300-LP and LS220B-LP = 30mm

Note: Subtract an extra 15mm if using hanger brackets for slim-line doors eg. Aldi Doors

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Step 2b: Calculate Minimum Mounting Height Using Formula Below (Frameless)

[Mounting Height] = [Door Height] - 25mm - [Operator Modifier]

Operator Modifiers:
LS220B = 15mm
LS300 = 30mm
LS300-LP and LS220B-LP = 30mm
LS220B-ELP = 25mm

Note: Subtract an extra 5mm if using 15mm or 19mm glass

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Step 3: Mount Operator at Calculated Height

Minimum Mounting Height is from Finished Floor Level (FFL) to the lowest point of the cowl

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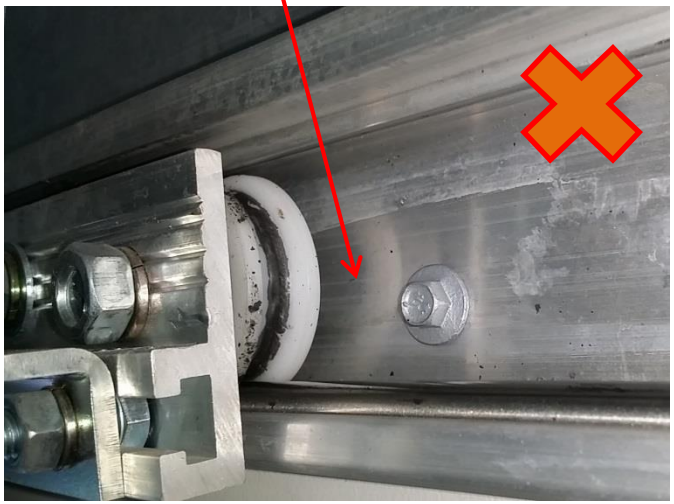
Mounting Note 1: Fixings must be placed along both the top and the bottom of the operator to decrease vibrations and ensure the operator remains level

Mounting Note 2: Must install fixings at both extremities of operator, otherwise vibrations will interfere with the proper operation of the door and will result in excessive noise

Mounting Note 3: Any fixings installed inside of operator track (anywhere the wheels travel) must be counter-sunk

Countersinking required here

Wheel will collide with fixing causing damage and noise



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Hanging and Adjusting Doors

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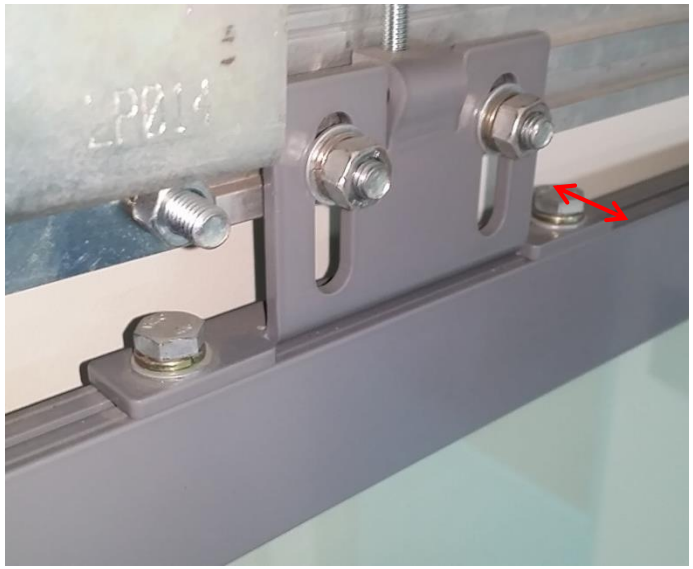
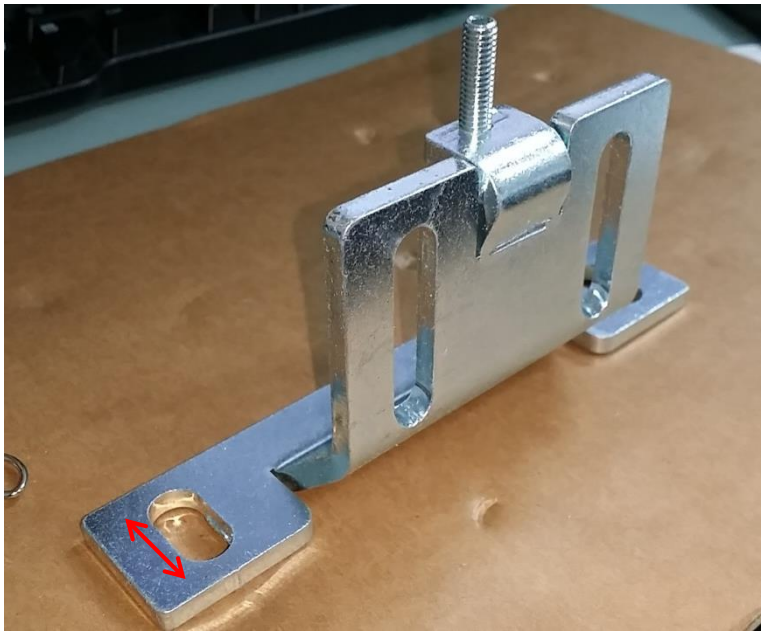
Framed Door: Fix Hanger Bracket to Top of Door



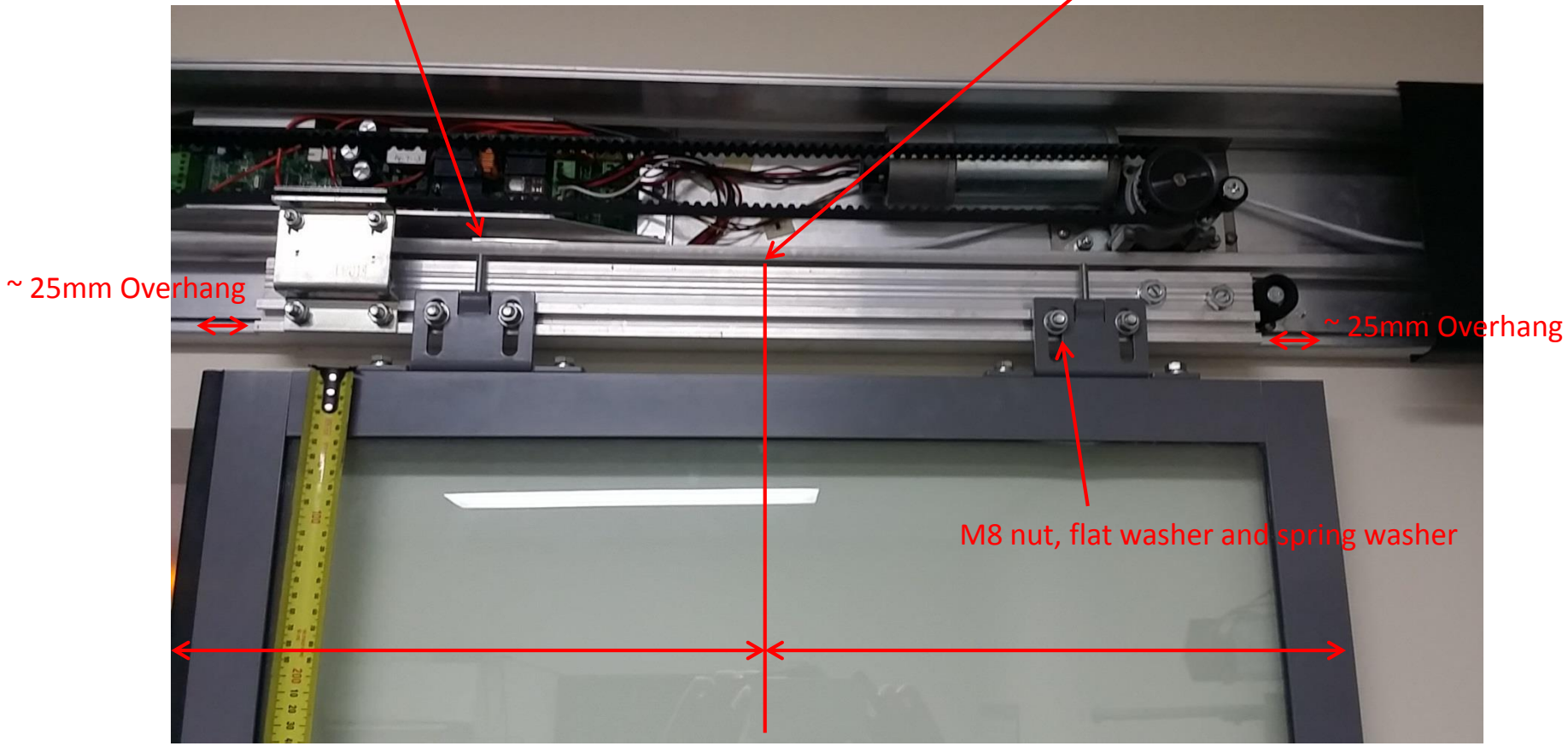
Adjustment



Adjustment

Adjustment can be made here to position door correctly beneath the operator (push doors closer to frame/wall or pull them further away)

Framed Door: Fix Hanger Bracket to Hanger Bar



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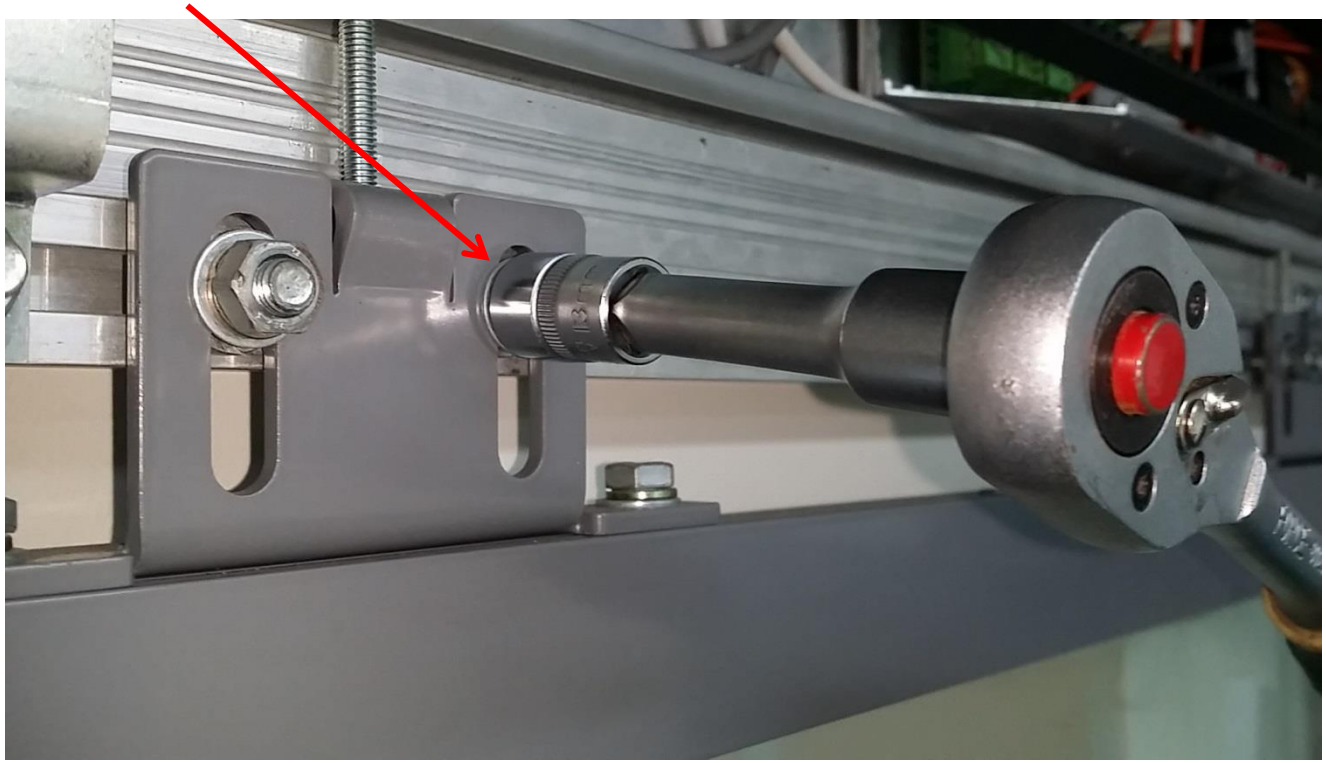
Framed Door: Adjustment Step 1

Loosen all M8 nuts with a 13mm Socket or Spanner (do not undo completely)



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Framed Door: Adjustment Step 2a

Use 3mm allen key to increase/ decrease door height

Note: Remember to adjust all brackets equally if adjusting only the height, otherwise the doors may become miss-aligned

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Framed Door: Adjustment Step 2b

Use 3mm allen key to adjust door angle by adjusting brackets unequally

Note: When adjusting angle, keep in mind door clearance as dropping one side to align the door may cause the door to scrape along the ground

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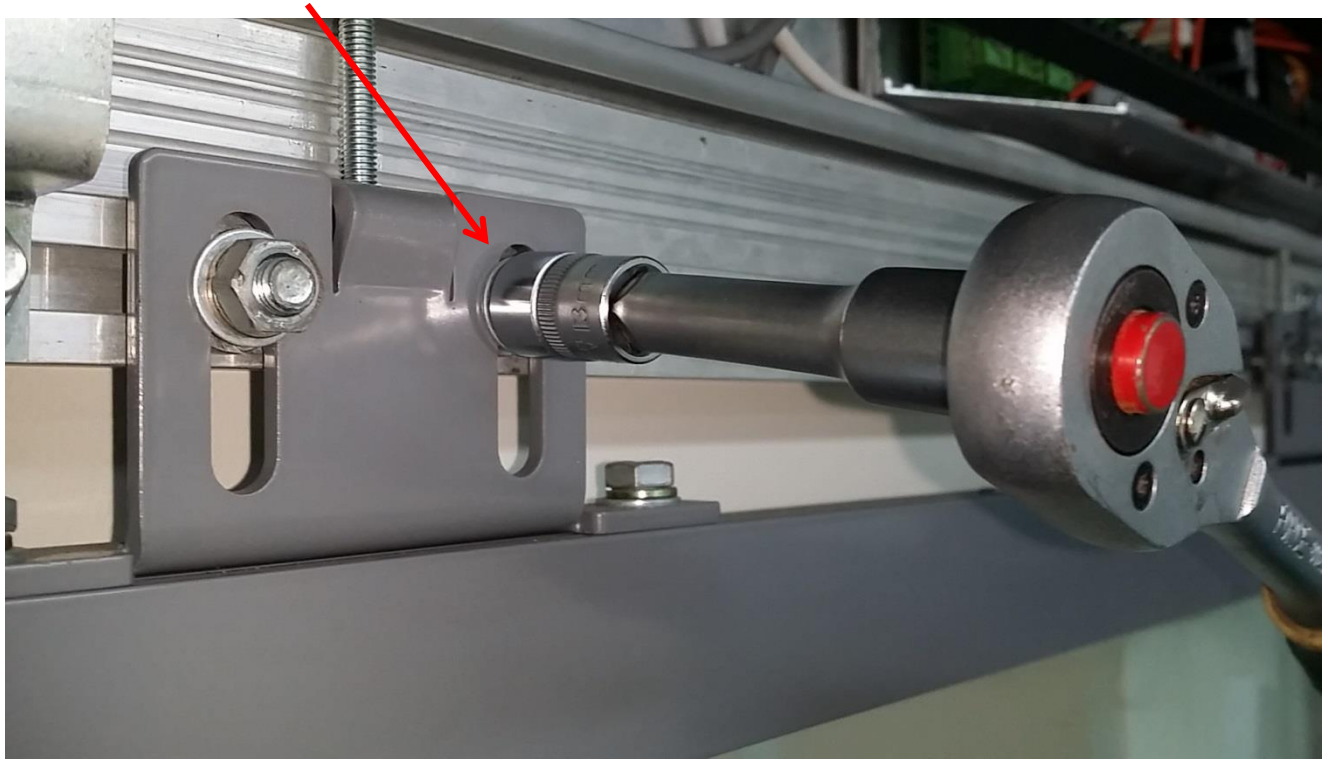
Framed Door: Adjustment Step 3

Tighten all M8 nuts with a 13mm Socket or Spanner



Note: As M8 nuts are tightened, the door will raise itself slightly. Remember to take this into account when adjusting the door height.

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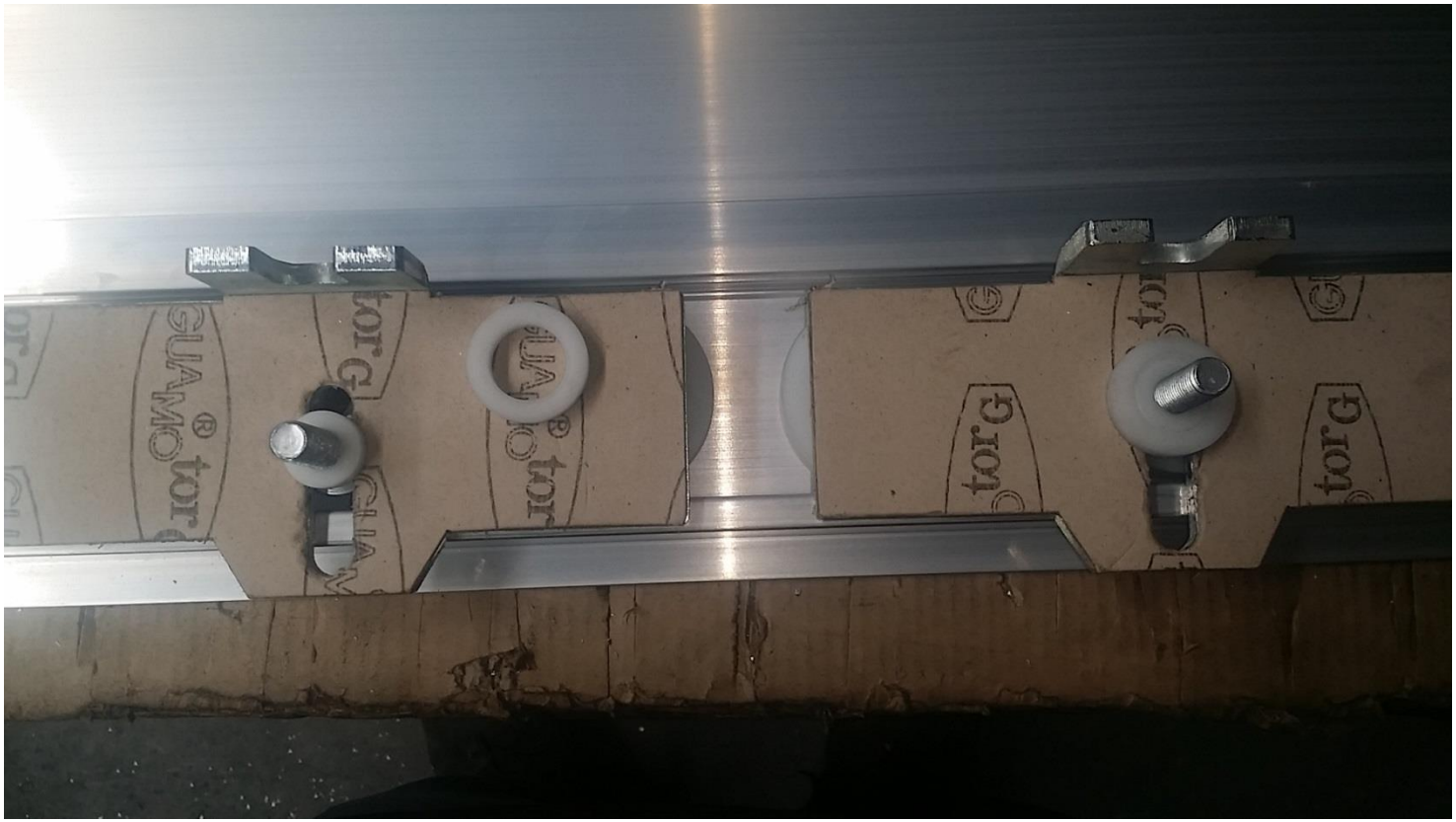
Frameless Door: Adjust Spacer to Match Glass Hole Diameter



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Frameless Door: Hang Glass on Bogies and Install Hanger Bar

Height Adjustment Bolt and Plate

M10 nut, spring washer and flat washer

Note: Do not forget to tighten height adjustment bolt. If you do not tighten it when hanging doors, the doors will slowly drift down over time

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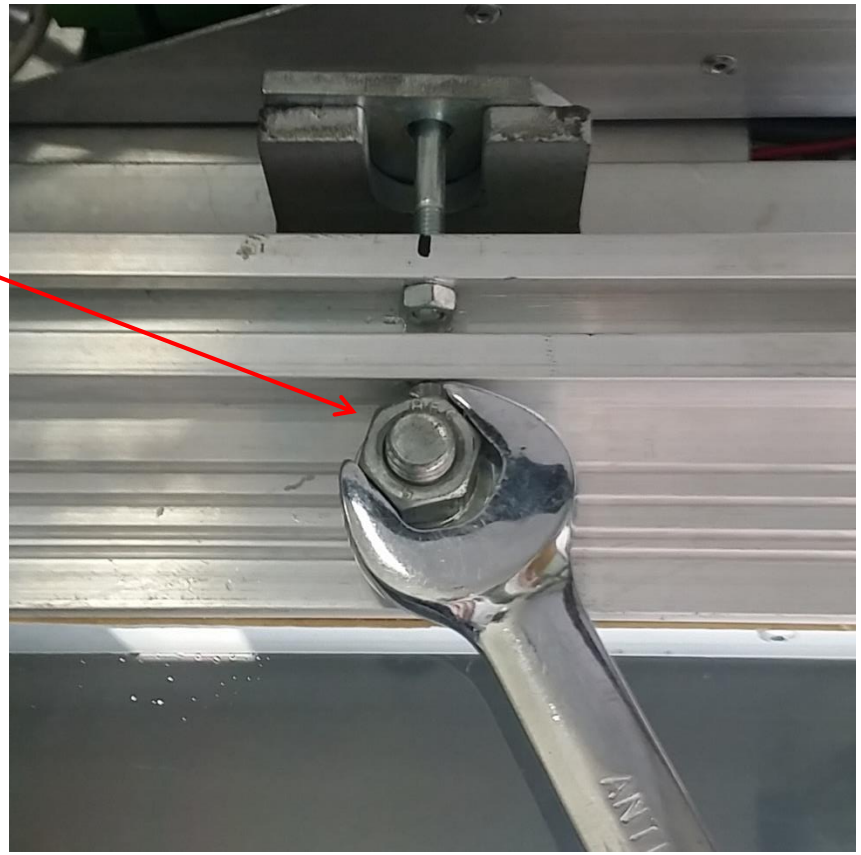
Frameless Door: Adjustment Step 1

Loosen all M10 nuts with a
16mm Socket or Spanner
(do not undo completely)



Note: Ensure that adjustment bolt is tight before undoing the M10 nut. If it is not tight, the door will drop out of alignment as soon as you loosen the M10 nut

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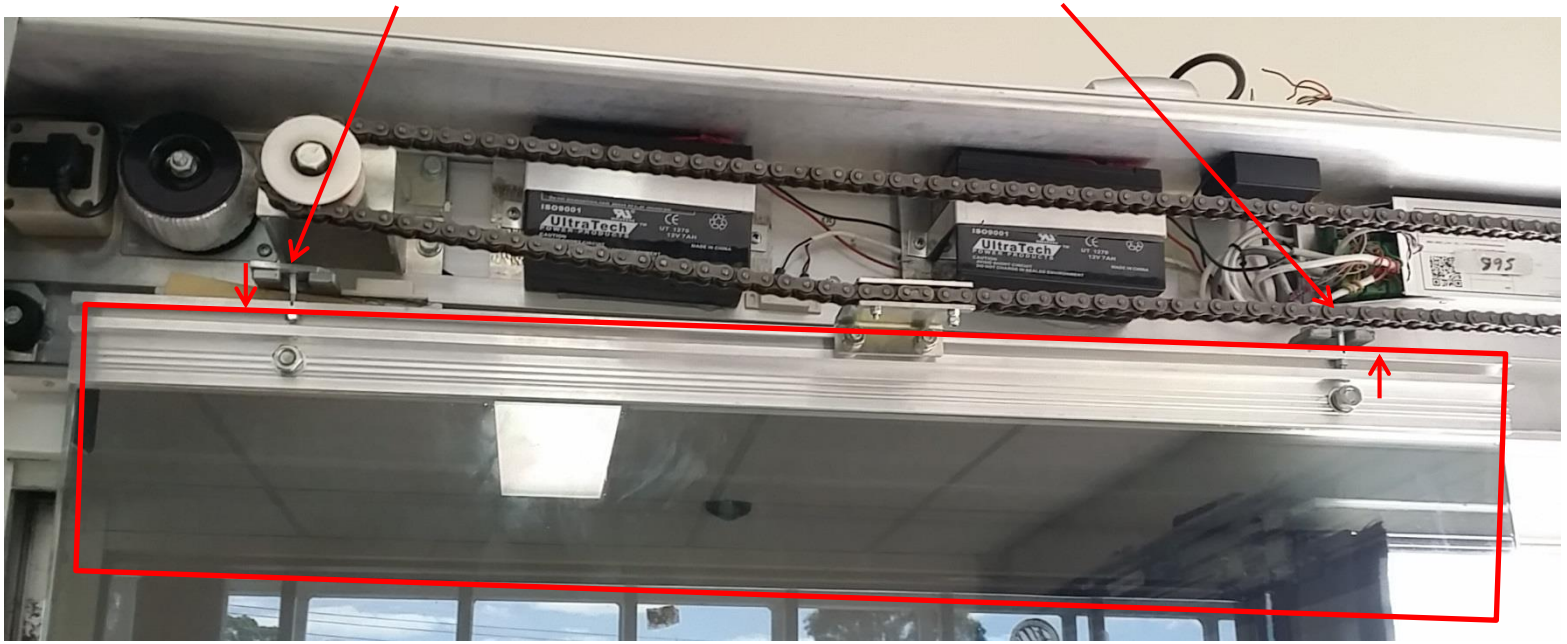
Frameless Door: Adjustment Step 2

Use 3mm allen key to adjust door height and angle (also use shifter to hold nut in place)



Note: With Frameless glass, it is often easier to raise/ lower the glass to the proper height manually (with the glass resting on spacers). Once the glass is sitting at the desired height, you can then adjust the bolt to match the height (such that the bolt takes the weight of the door at this height)

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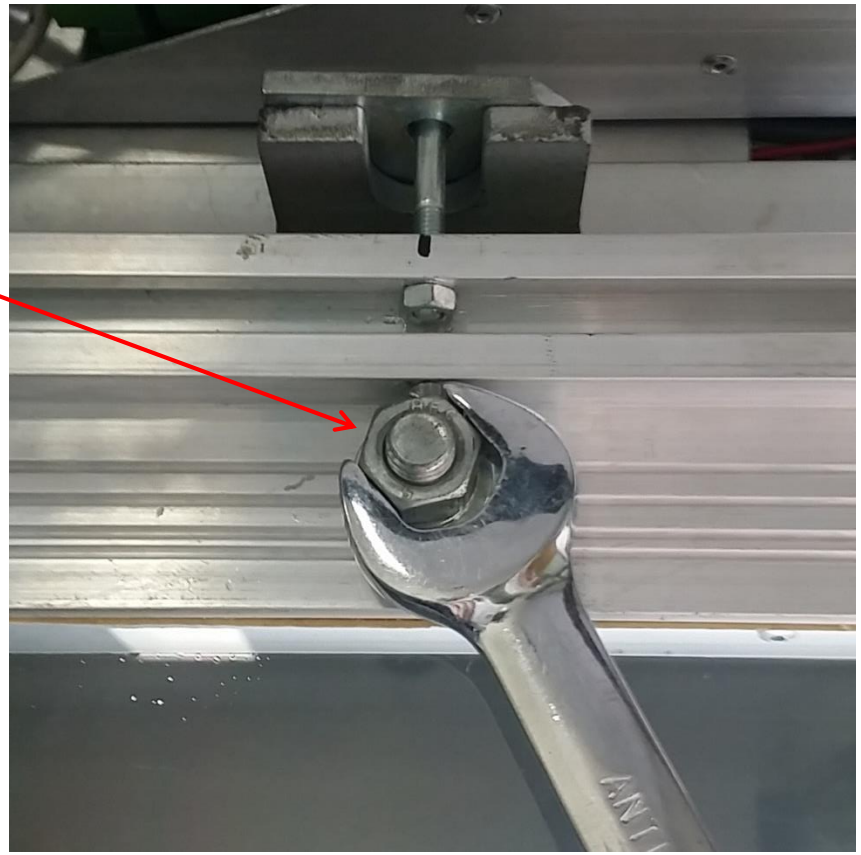
Frameless Door: Adjustment Step 3

Tighten all M10 nuts with a 16mm Socket or Spanner



Note: As M10 nuts are tightened, the door will raise itself slightly. Remember to take this into account when adjusting the door height.

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Ensure Doors Have Adequate Clearance Underneath (10mm)

As the wheels age the door will drop down and become caught on the floor below

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Ensure Doors are Aligned with side walls/ framing

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Ensure Doors are Alligned with Eachother

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Installation and Adjustment of Floor Guides

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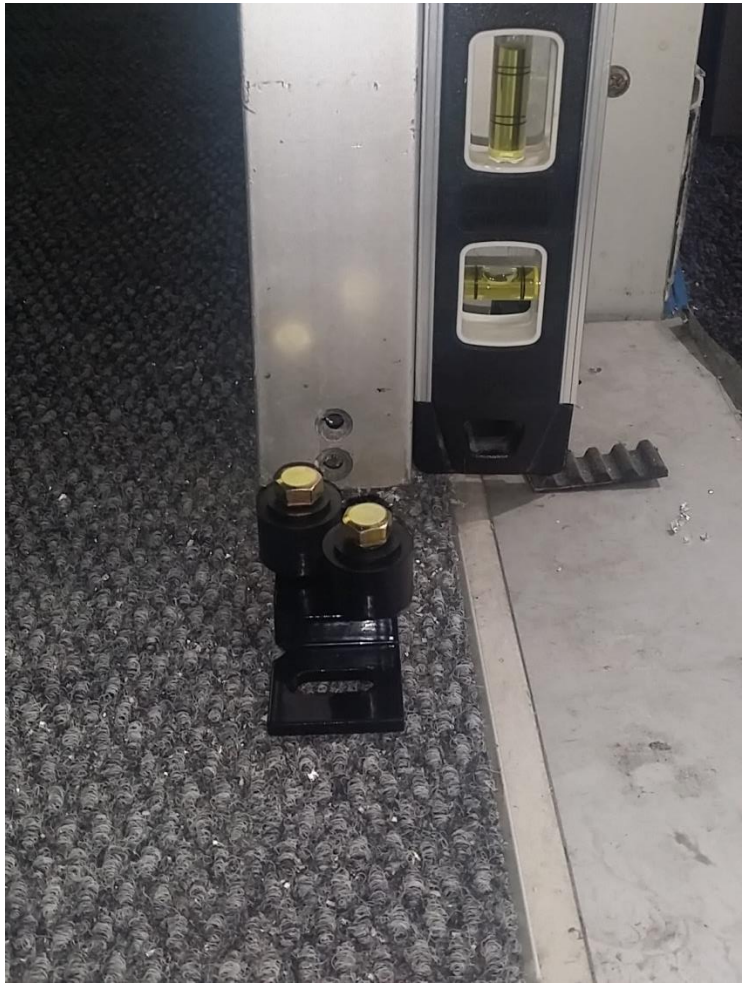
Fix Floor Guides in Position Such that Doors are Level



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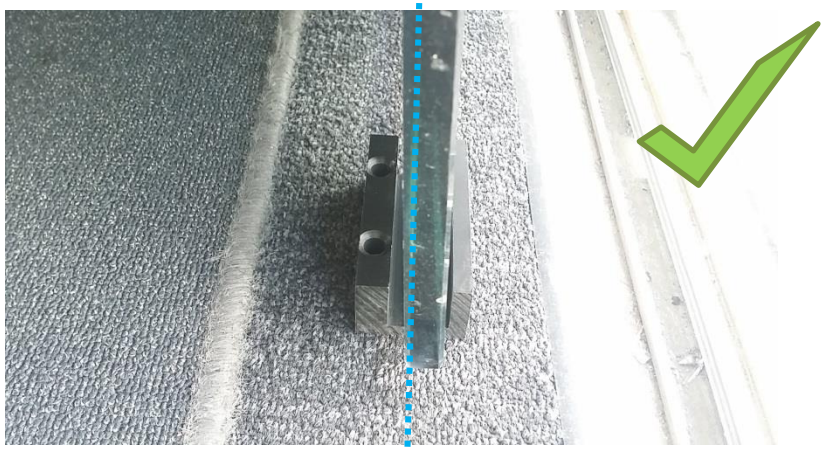
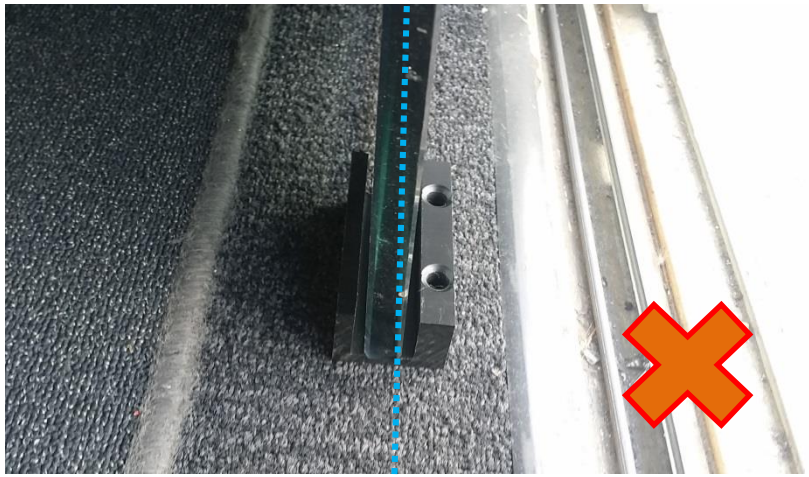
Frameless: Guides must be positioned with the screws on the secure side of the door

Internal | External



Secure Side | Unsecure Side



Door Open Position

Door Close Position

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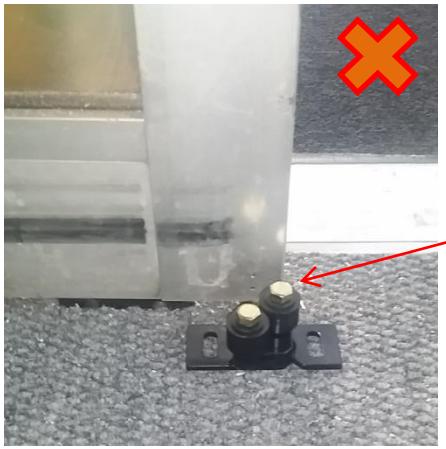
Framed: Guides must be positioned such that they do not collide with either end of door

Door Open

Rear of door channelled out

Door Closed

Door collides with guide and does not close fully



Door collides with guide and does not open fully

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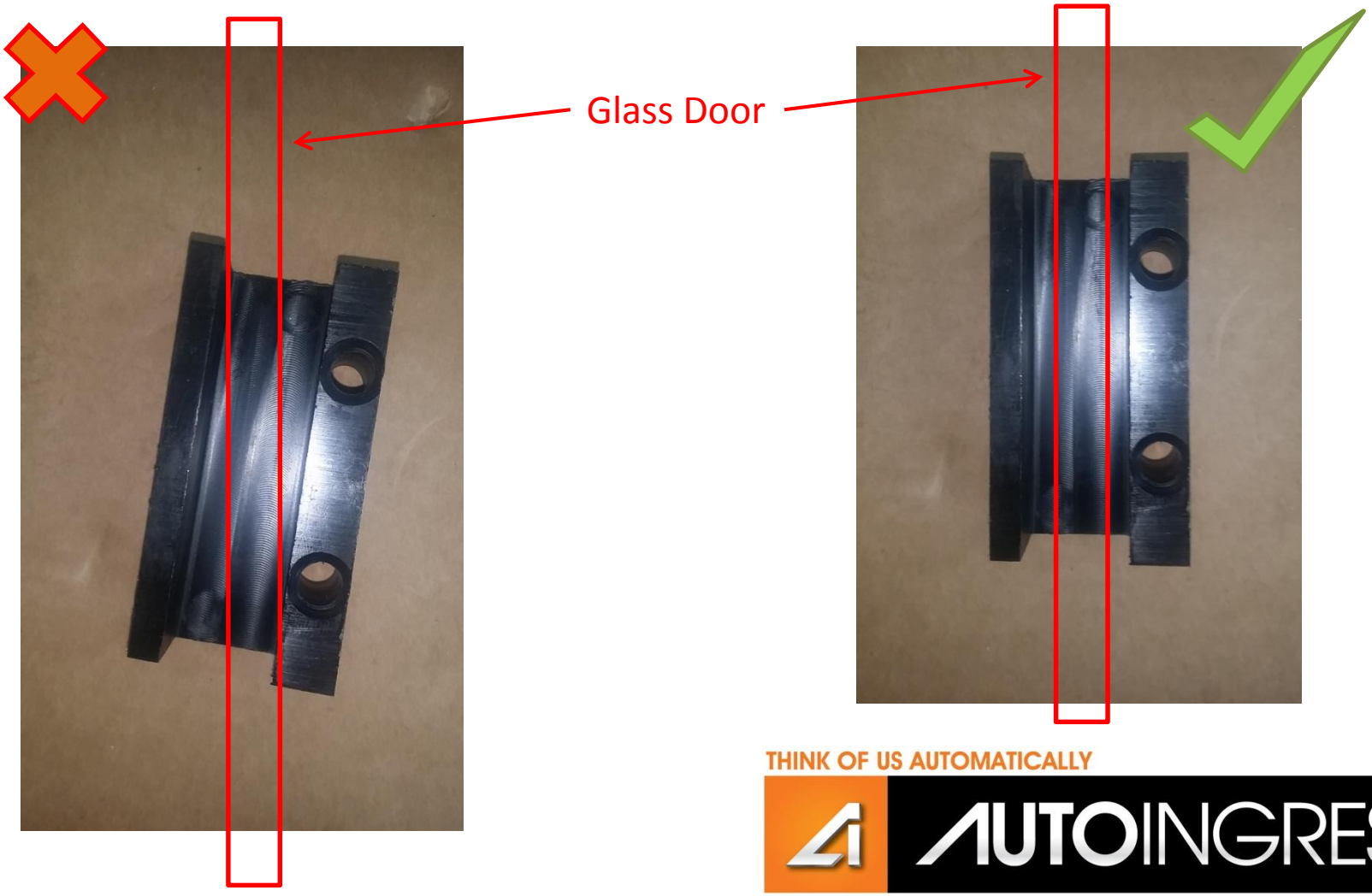
Frameless: Adjust tightness by adjusting guide angle



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Frameless: With correct adjustment, the glass should wobble freely within the guide

Framed: Adjust tightness by adjusting guide angle

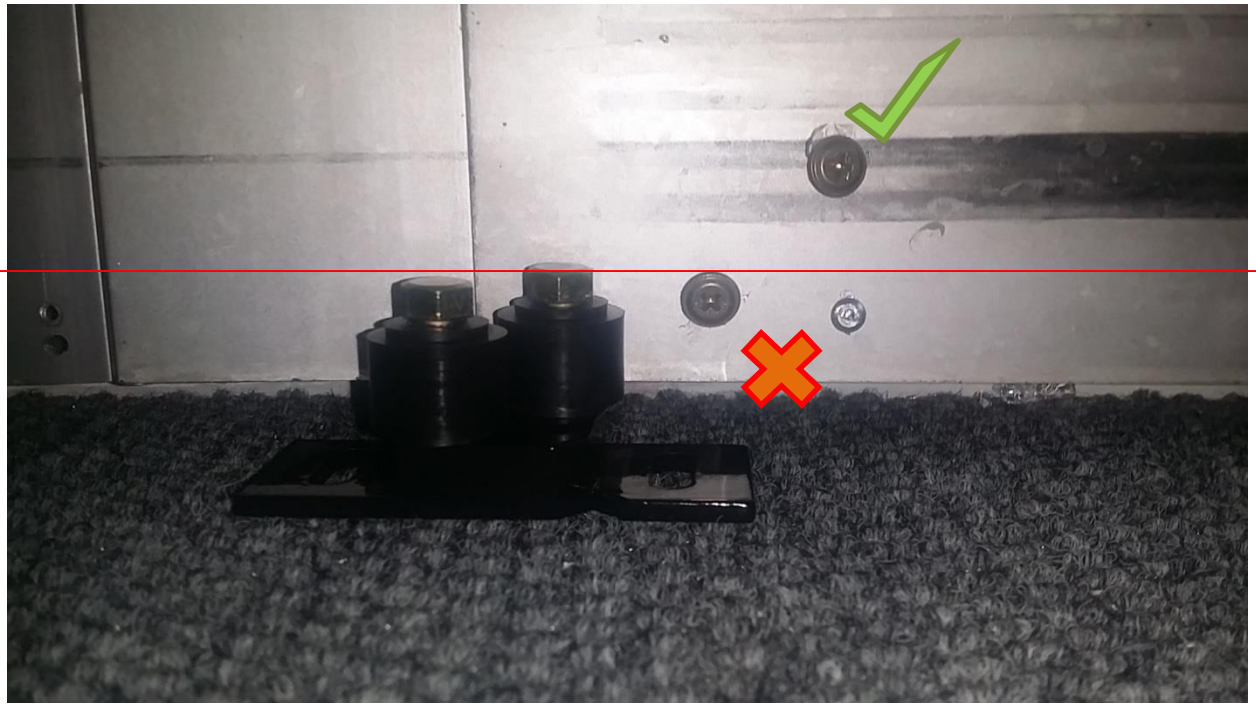
Too Tight

Too Loose

Framed: With correct adjustment, the door should wobble freely (about 5mm each direction) around the guide

Floor Guide Note: Correctly setting the floor guide is very important. If it is too loose, the door will vibrate too much when opening and closing. If it is too tight, the excessive resistance will stop the door from opening at all (typically such doors will keep falling into “Safe” mode on the keypad).

Framed Door Guide Note: Do not install fixings along bottom rail of door as they may collide with floor guide and impede door travel



Note: Even installing fixings above the floor guide may cause issues in the future if the door's height needs to be adjusted down. With the door adjusted lower, the fixings would begin to impede door travel. Remember to allow sufficient space for future adjustments.

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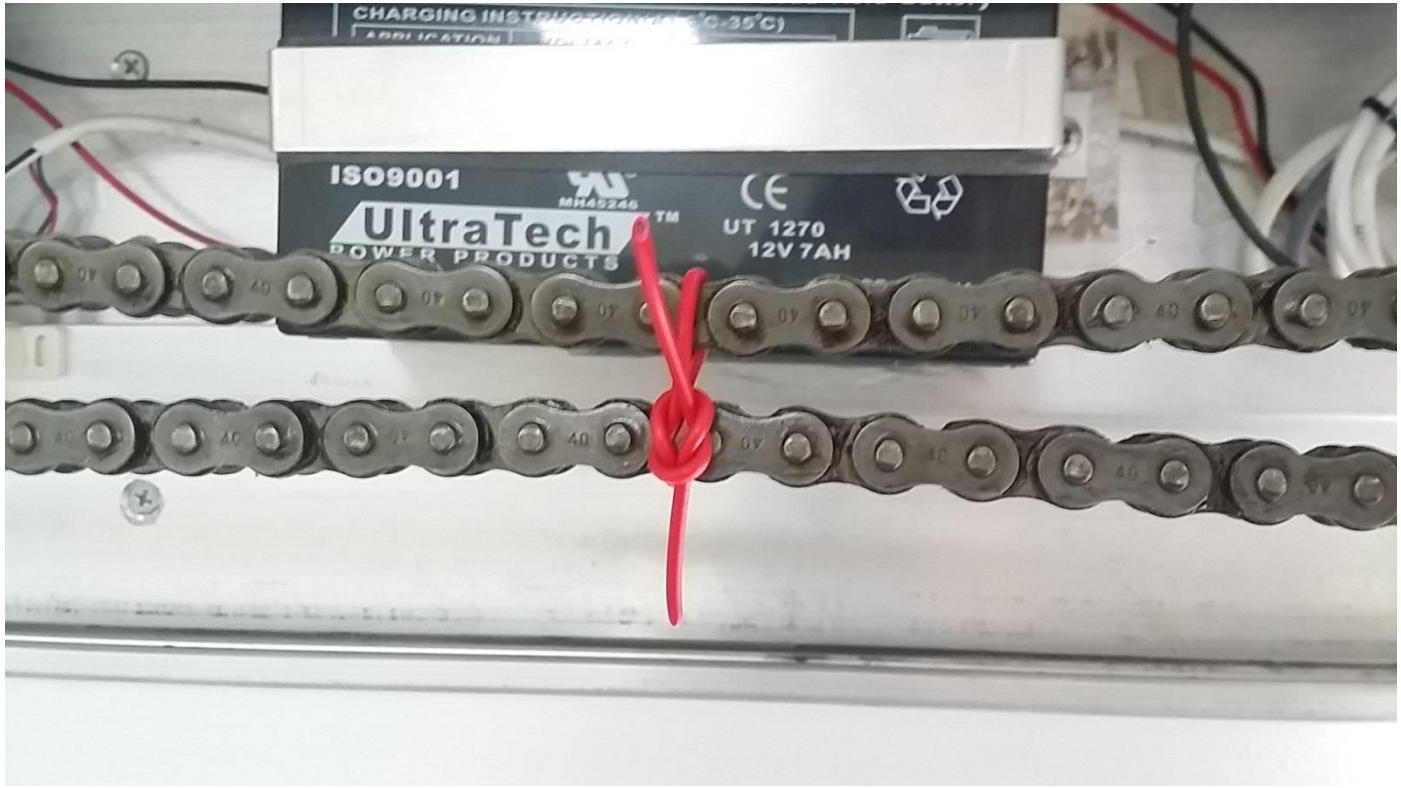
Mechanically Locking the Door Shut

Chain Operators: Secure Opposite Sides of Chain Together



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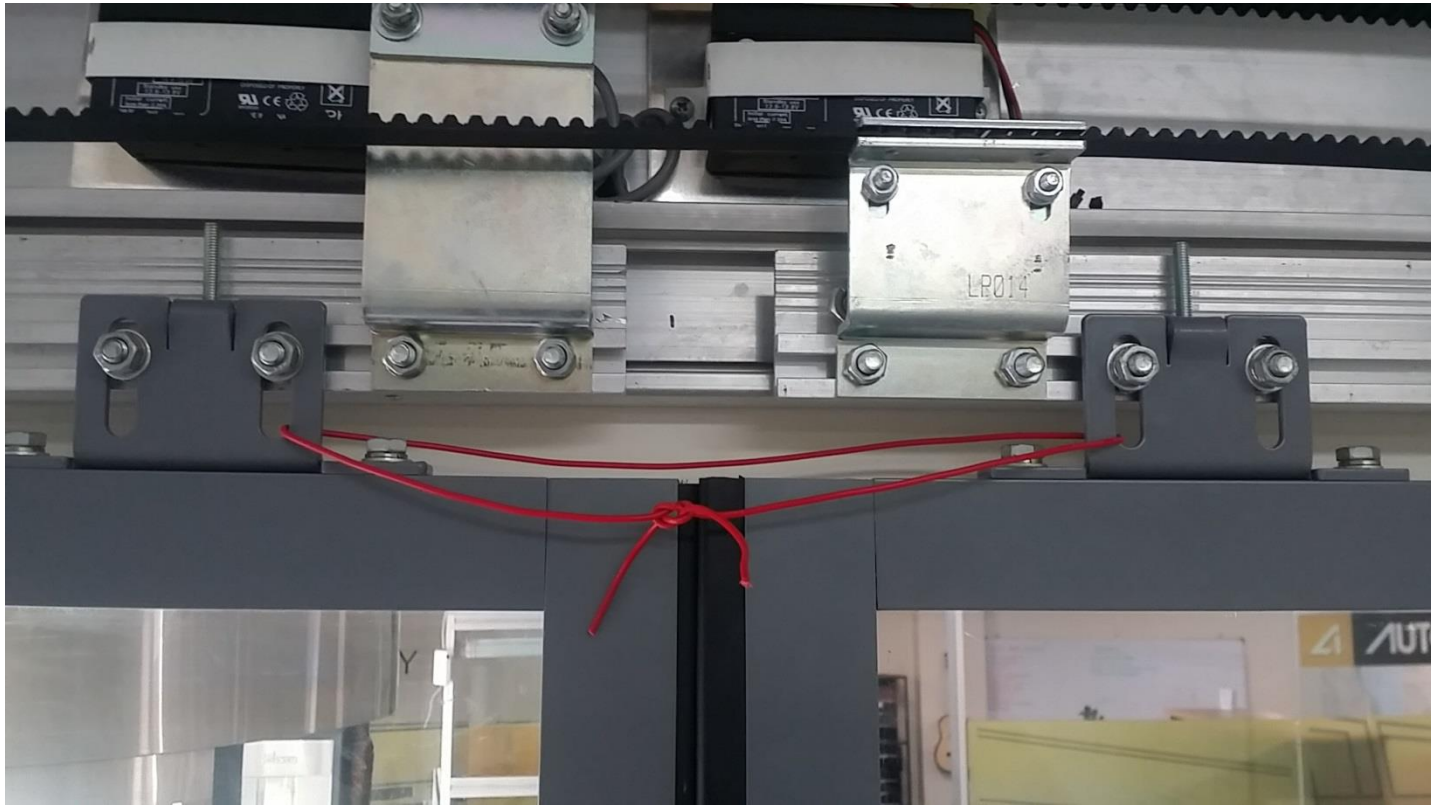
Bi-parting Framed Door: Secure Hanger Brackets Together



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All Operators: Chock Doors Closed with Timber

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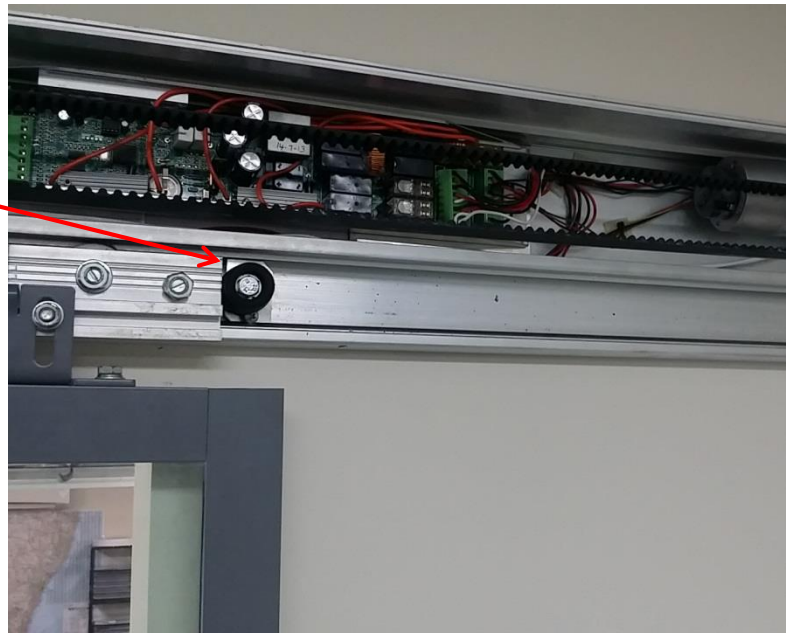
All Operators: Move End Stop to Closed Position

After

Adjust with 13mm Socket



Before

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Summary:

- Calculate proper mounting height to match door height before installing
- Hang doors and adjust alignment leaving adequate clearance beneath
- Install floor guides in position such that doors do not collide with them in either the open or closed position
- Adjust floor guides to correct tension (doors should wobble freely 5mm either direction)
- If needed, lock door shut mechanically until commission can be completed