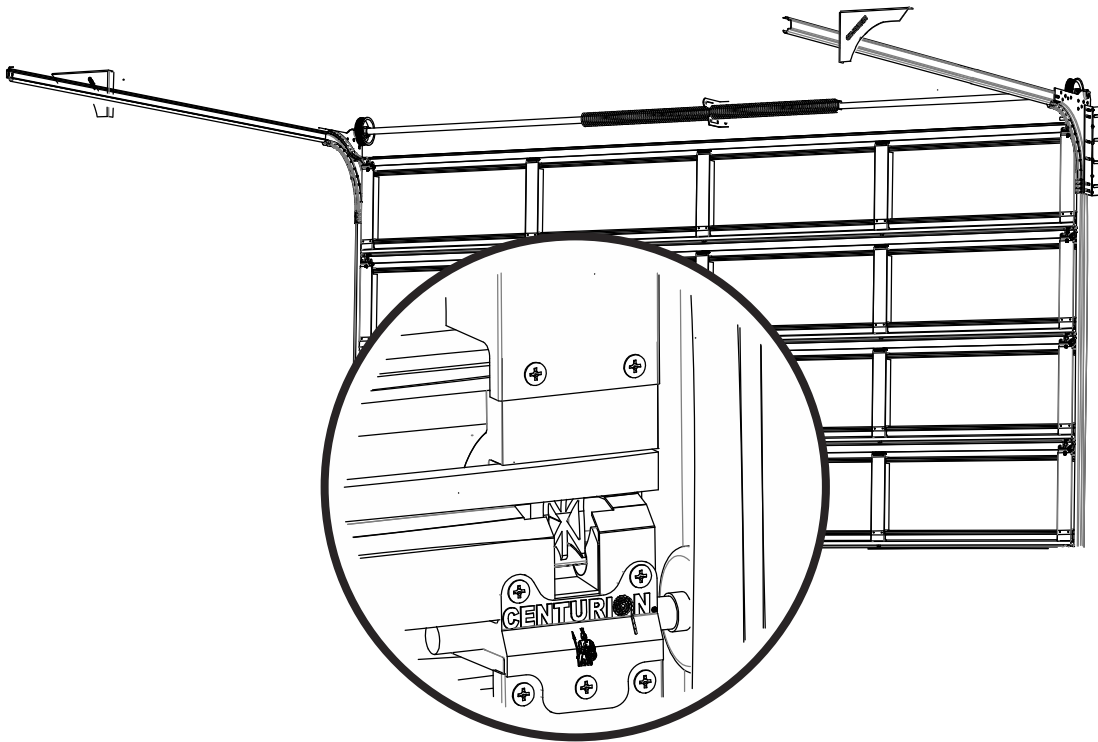




CENTURION **GARAGE DOORS**®

QLD, NSW, VIC



QUICKFIT - LHR

Garage Door Installation Instructions

Revision D - February 2018

This install is to only be carried out
by a suitably trained industry professional

WWW.CGDOORS.COM.AU



**HAZARD
CONTROL**

SAFETY CHECKLIST



WARNING



Failure to install this product according to manufacturer's recommendations may result in property damage or serious personal injury. Centurion Garage Doors will not be held responsible for personal injury or product defects if the door is not installed as instructed.

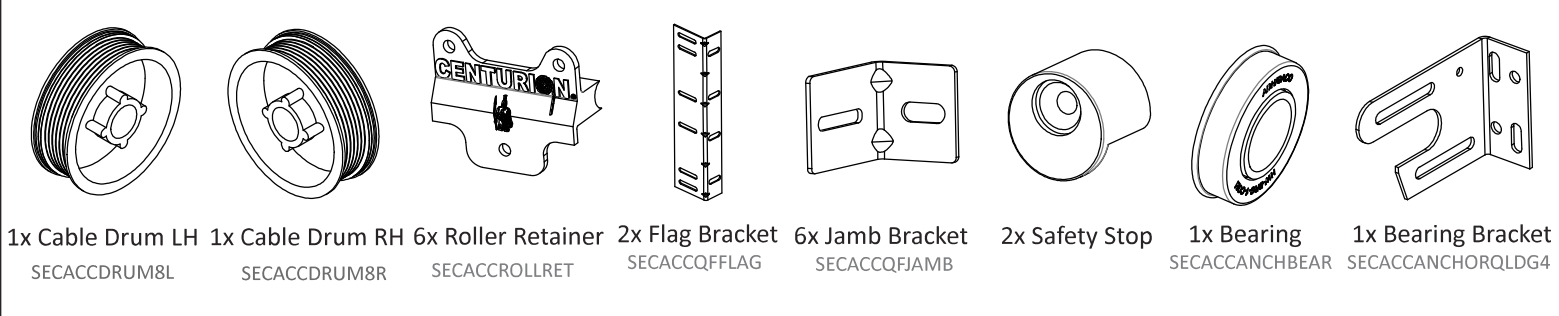
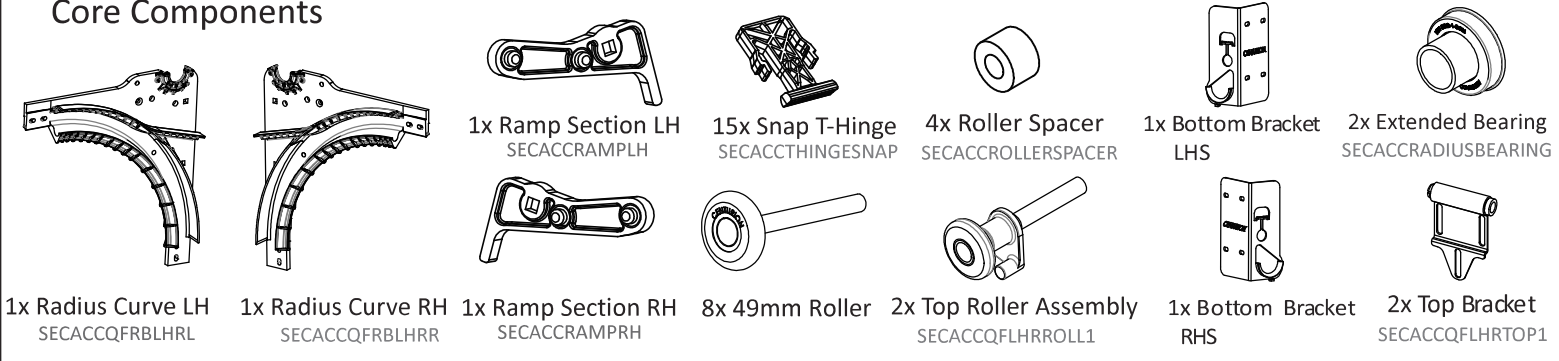
SAFETY CHECKLIST

Do not install this product unless you have read and understood the following safety checklist. All items listed below must be checked and correctly implemented.

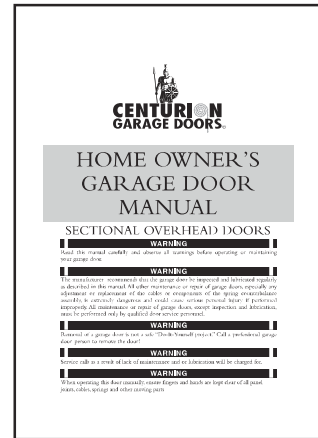
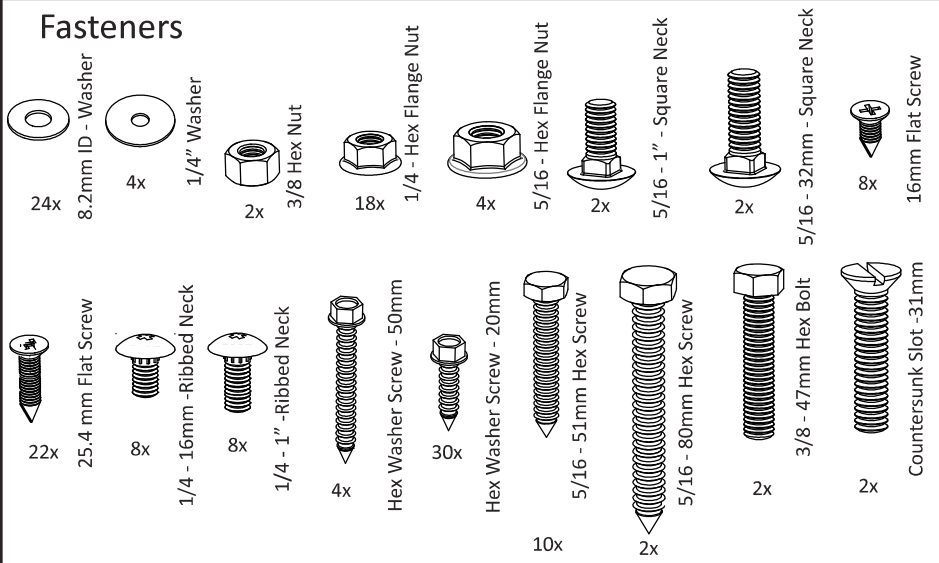
1. Prior to commencing work complete a formal risk assessment and tidy up the work site ensuring the work area is clear and safe
2. Apply correct lifting technique. Do not twist when lifting heavy loads. Bend knees and ensure back is kept straight
3. Ensure all all people are kept clear of installers work area with appropriate signage
4. Wear appropriate PPE (boots, safety glasses, ear plugs, gloves etc)
5. Keep hands clear of all sharp edges and potential pinch points
6. Ensure that flammable liquids or materials are removed from the area of work
7. While working at heights ensure a ladder is used correctly and checked before usage. Do not stand on top rung
8. Ensure all electrical connections are kept clear from liquids/moisture. Cords must be kept away from oil, heat and sharp edges
9. Ensure door is correctly secured when applying tension
10. Door must always be in closed position when adjusting tension
11. Ensure that your body and face are to the side of tensioning bars when applying tension
12. Only standard spring torsion winding bars are to be used for applying tension. No substitute tools (screwdrivers, pipe, etc) to be used.

Parts List

Core Components

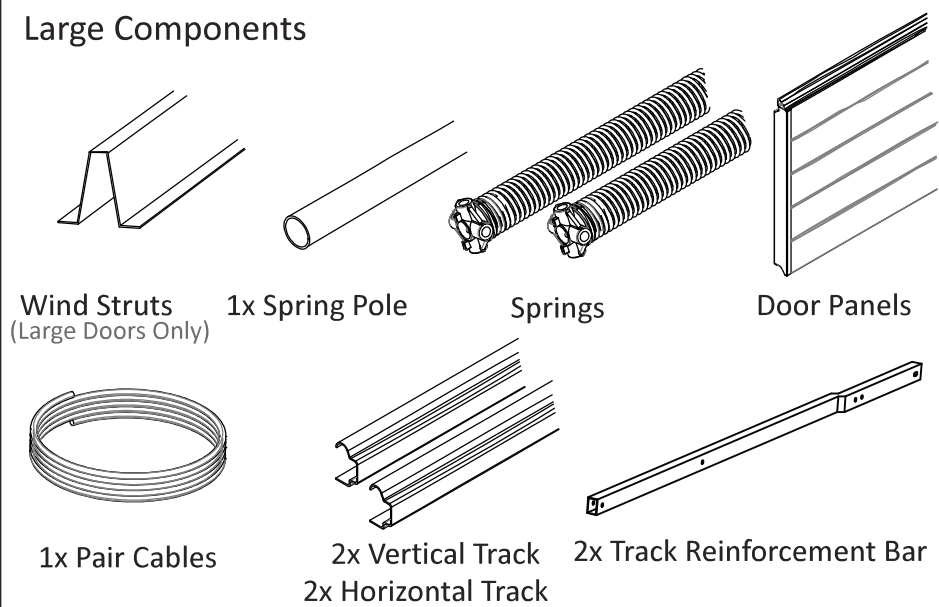


Fasteners

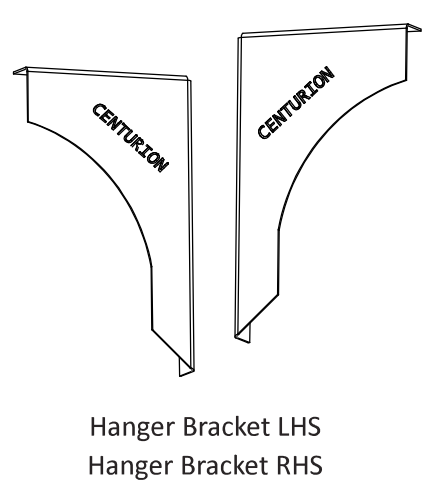


1x Garage Door Manual

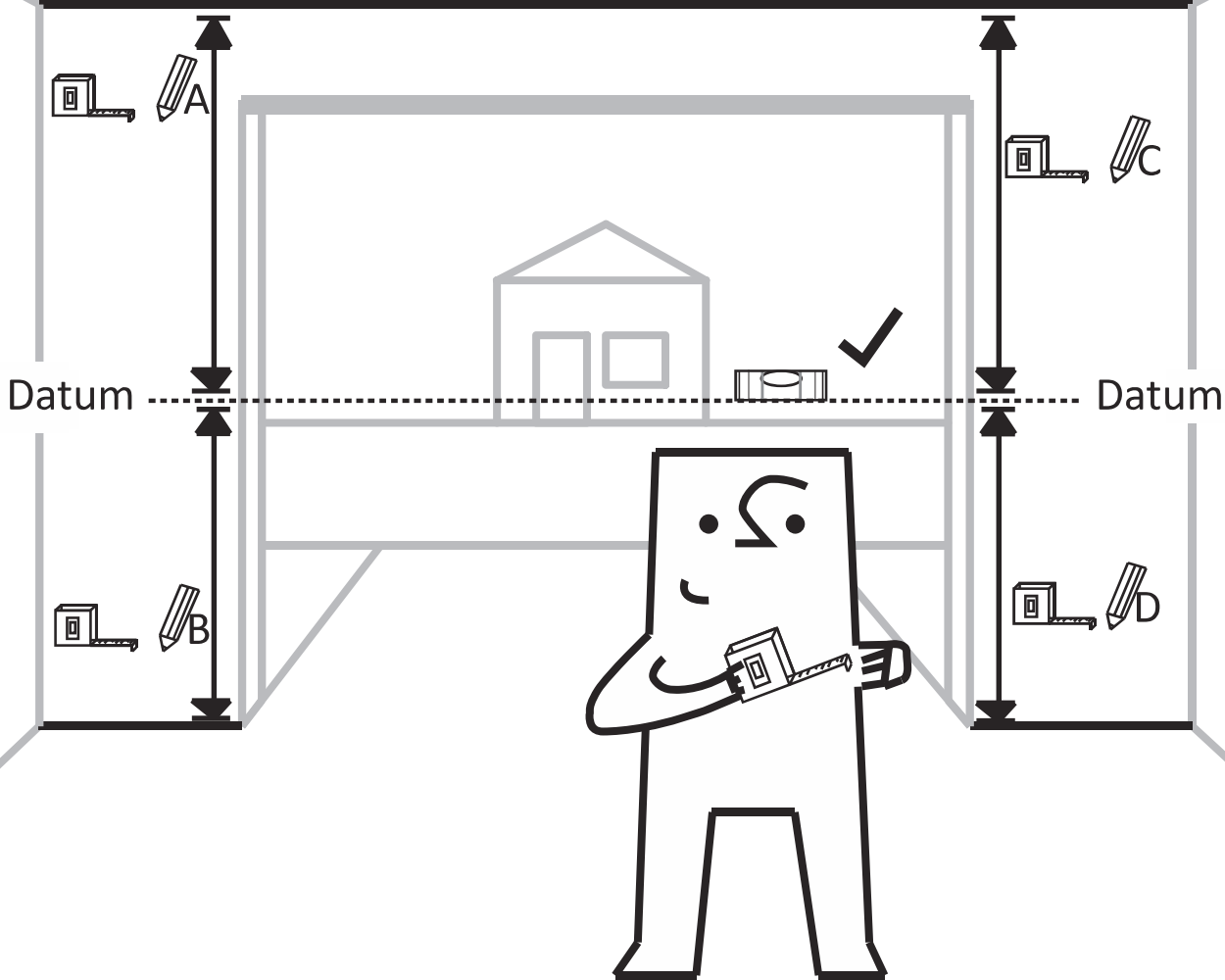
Large Components



Optional Components



STEP 1 Establish Horizontal Datum and Measure Opening



Record Measurements

LHS

Floor to Datum = B mm

Datum to Ceiling = A mm

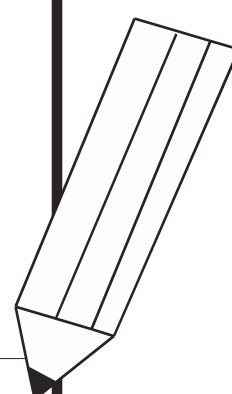
Floor to Datum + Datum to Ceiling = A + B mm

RHS

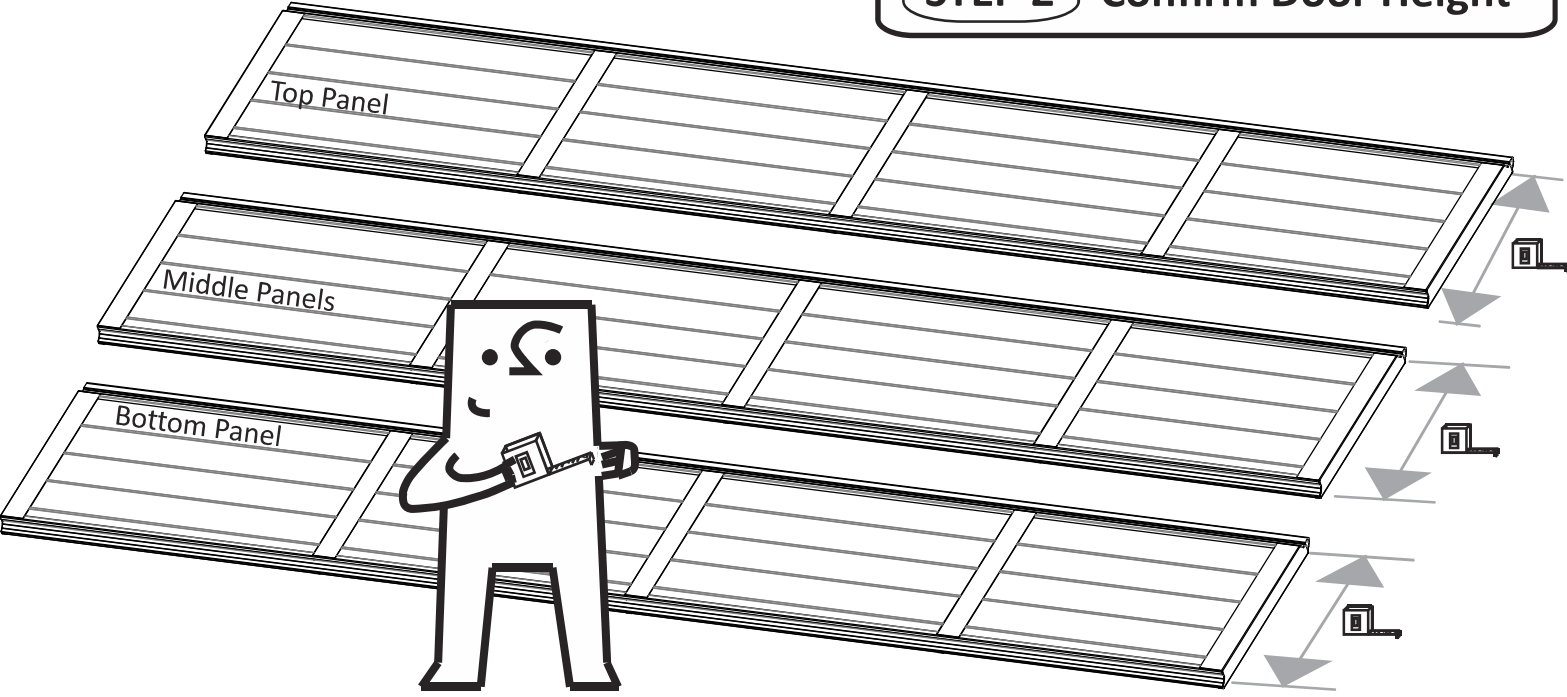
Floor to Datum = D mm

Datum to Ceiling = C mm

Floor to Datum + Datum to Ceiling = C + D mm

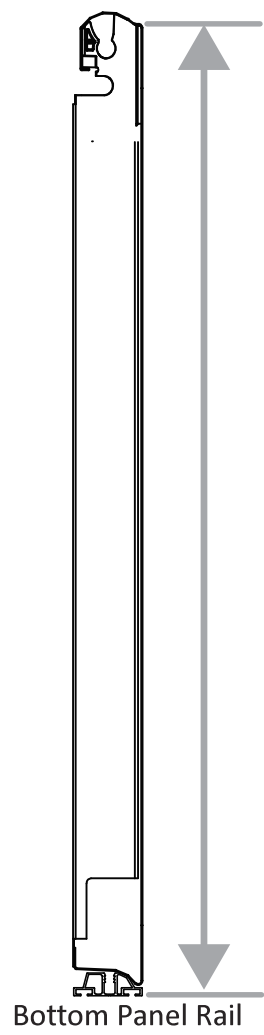



STEP 2 Confirm Door Height

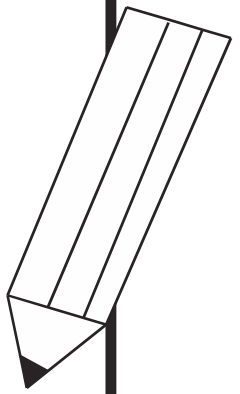


 Measure Each Panel to determine Actual Door Height

Record Measurements



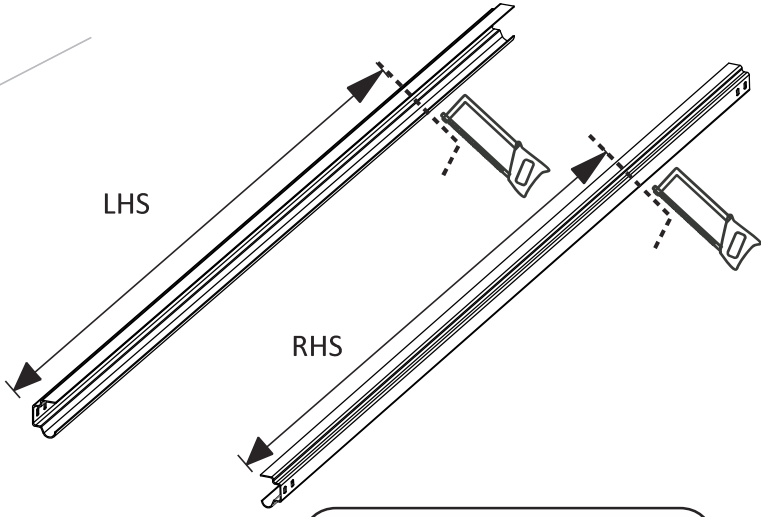
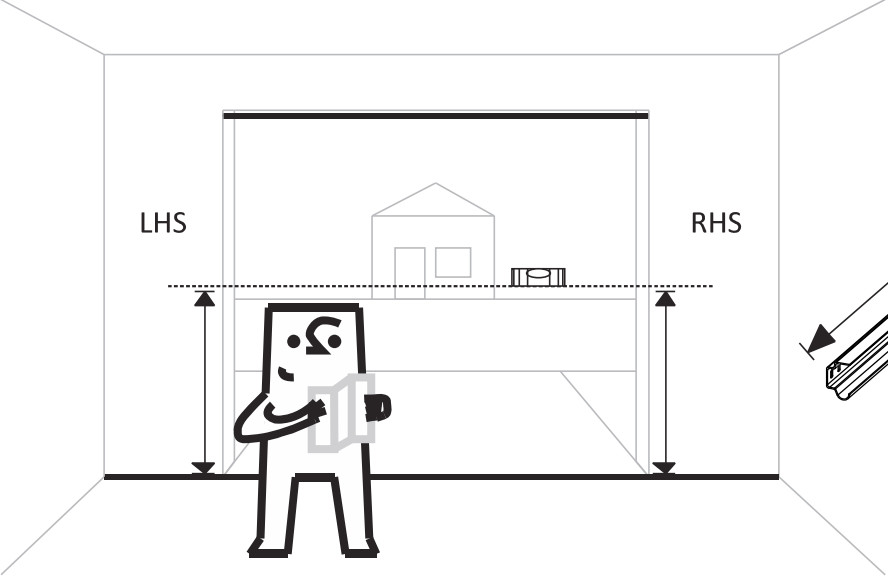
True Door Height = 1st Panel
	+ 2nd Panel
	+ 3rd Panel
	+ 4th Panel
	+ 5th Panel
	+ 6th Panel
	+ Bottom Panel Rail
= Total  mm



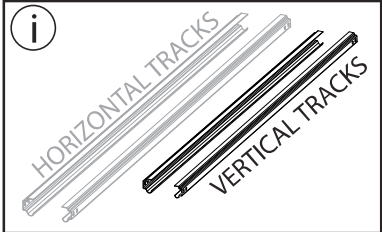
 Bottom Panel Rail contributes to True Door Height

STEP 3 Confirm Track Length

Floor and head are level

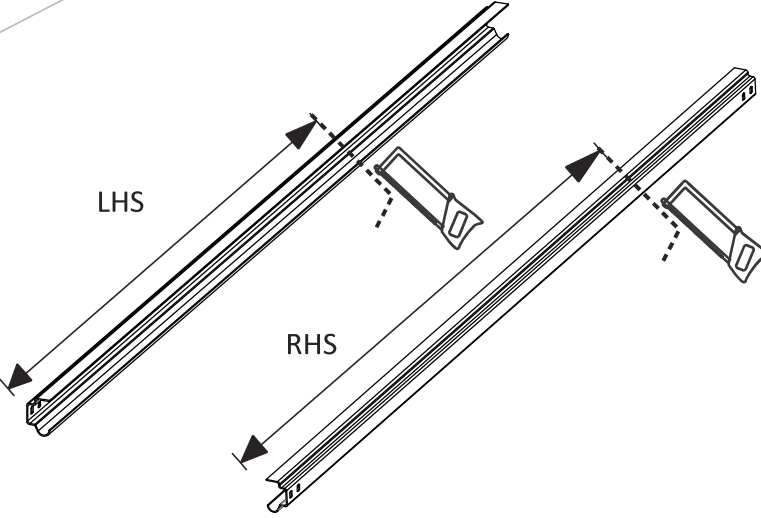
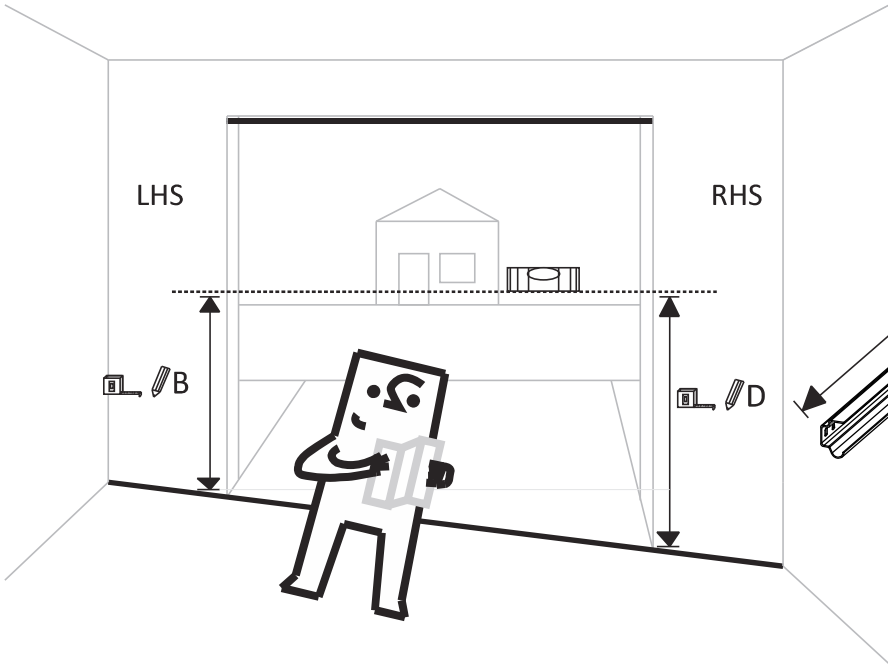


! CUT SQUARE TO TRACK
REMOVE BURR



Cut Length
 LHS = True Door Height - 220 mm = mm
 RHS = True Door Height - 220 mm = mm

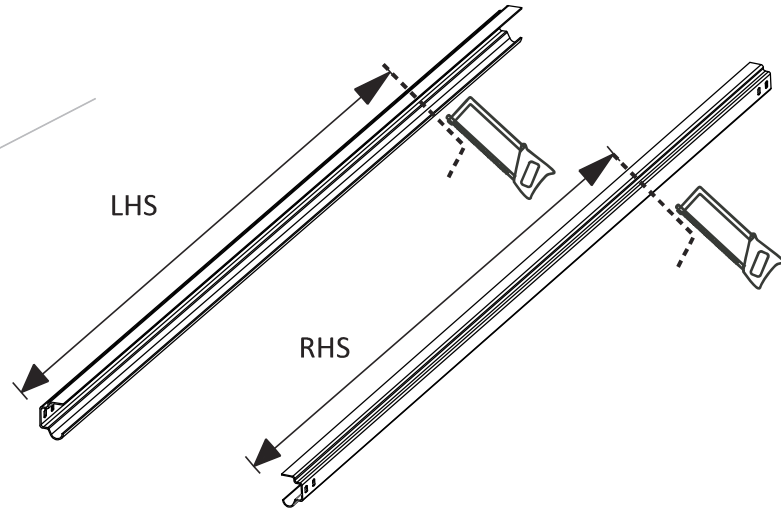
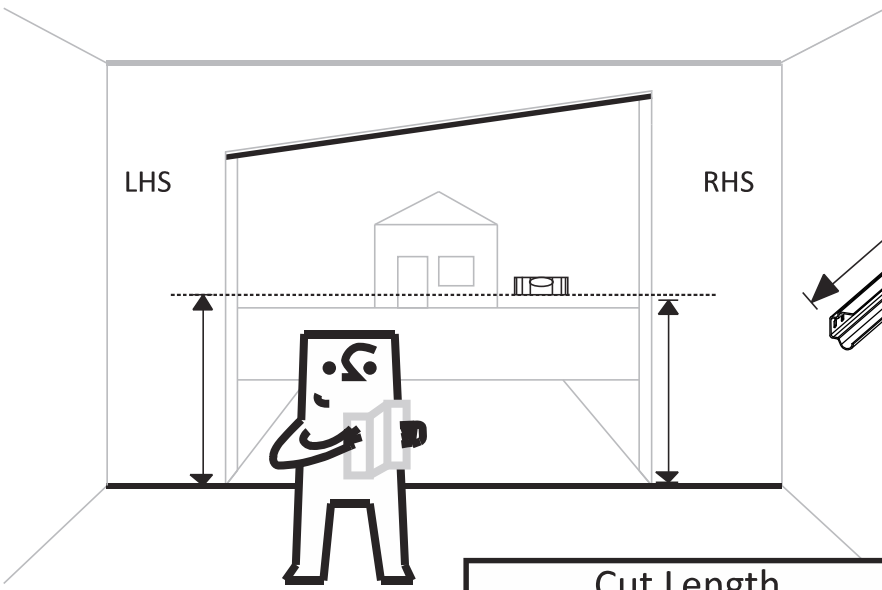
Head is level, but the floor is out of level



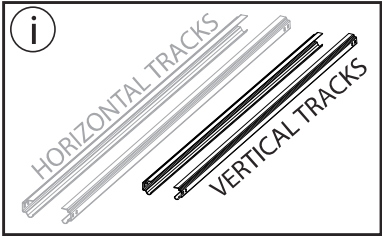
! CUT SQUARE TO TRACK
REMOVE BURR

Cut Length
 LHS = True Door Height - 220 mm = mm
 RHS = True Door Height - 220 mm + (..... D..... - B.....) = mm

Floor is level, but the head is out of level

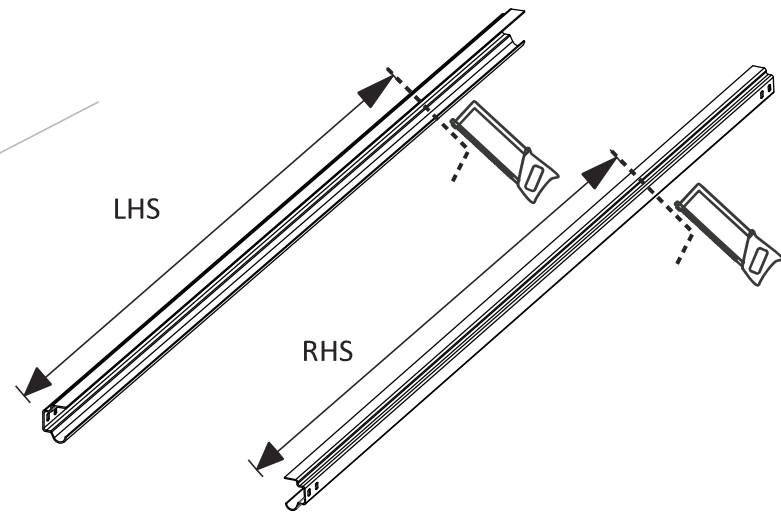
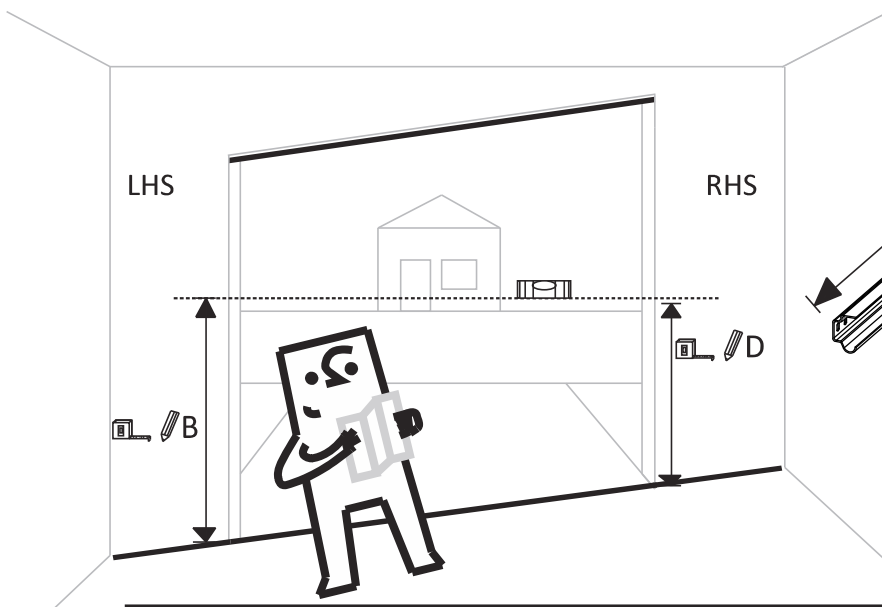


! CUT SQUARE TO TRACK REMOVE BURR



Cut Length
 LHS = True Door Height - 220 mm = mm
 RHS = True Door Height - 220 mm = mm

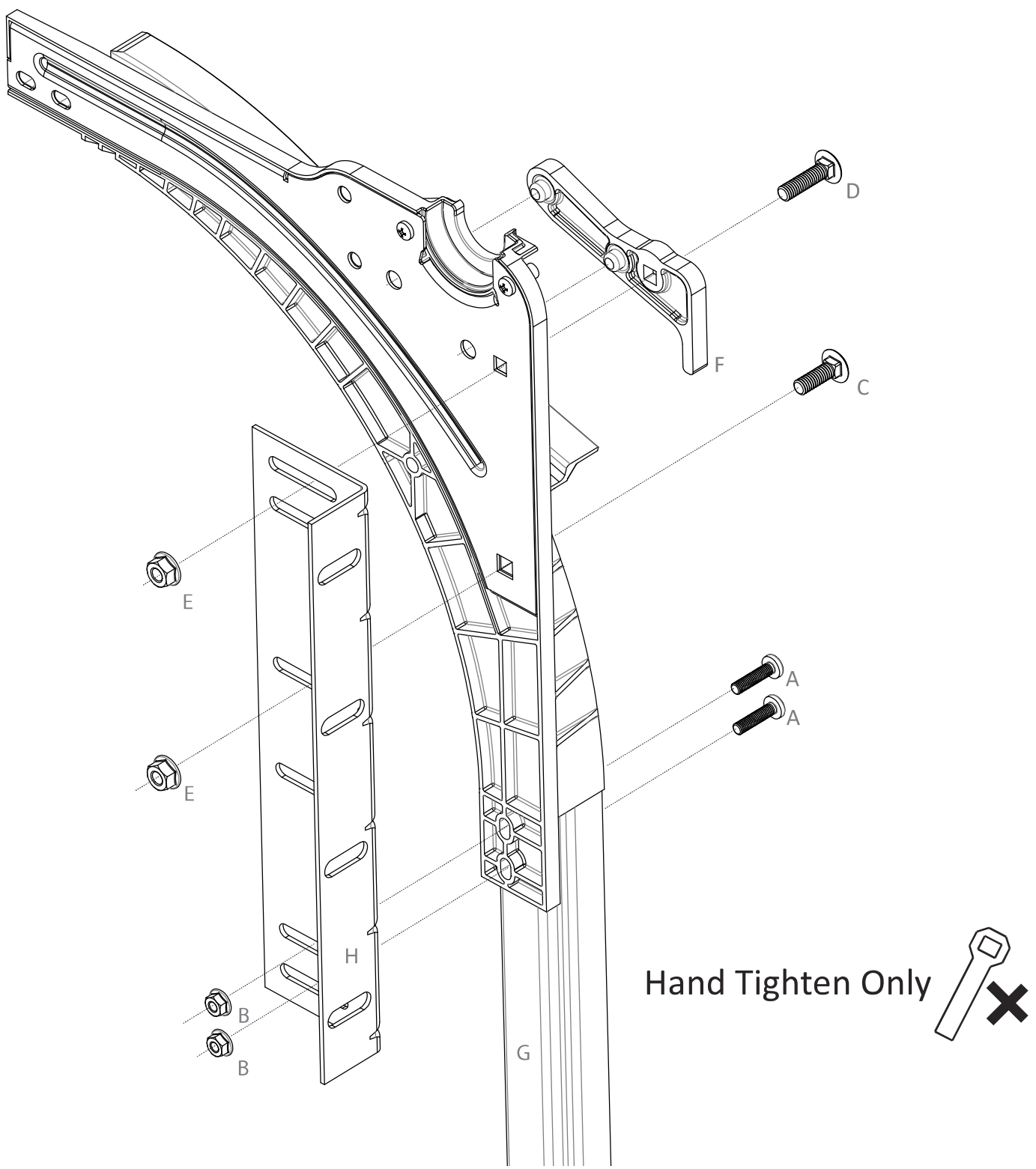
Both the floor and the head is out of level



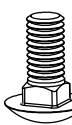
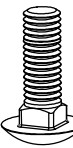

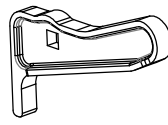

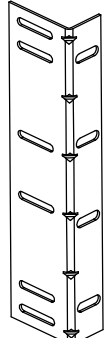


! CUT SQUARE TO TRACK REMOVE BURR

Cut Length
 LHS = True Door Height - 220 mm = mm
 RHS = True Door Height - 220 mm + (.....**B**..... -**D**.....) = mm

STEP 4 Assemble Radius Curve, Flag Bracket and Vertical Track



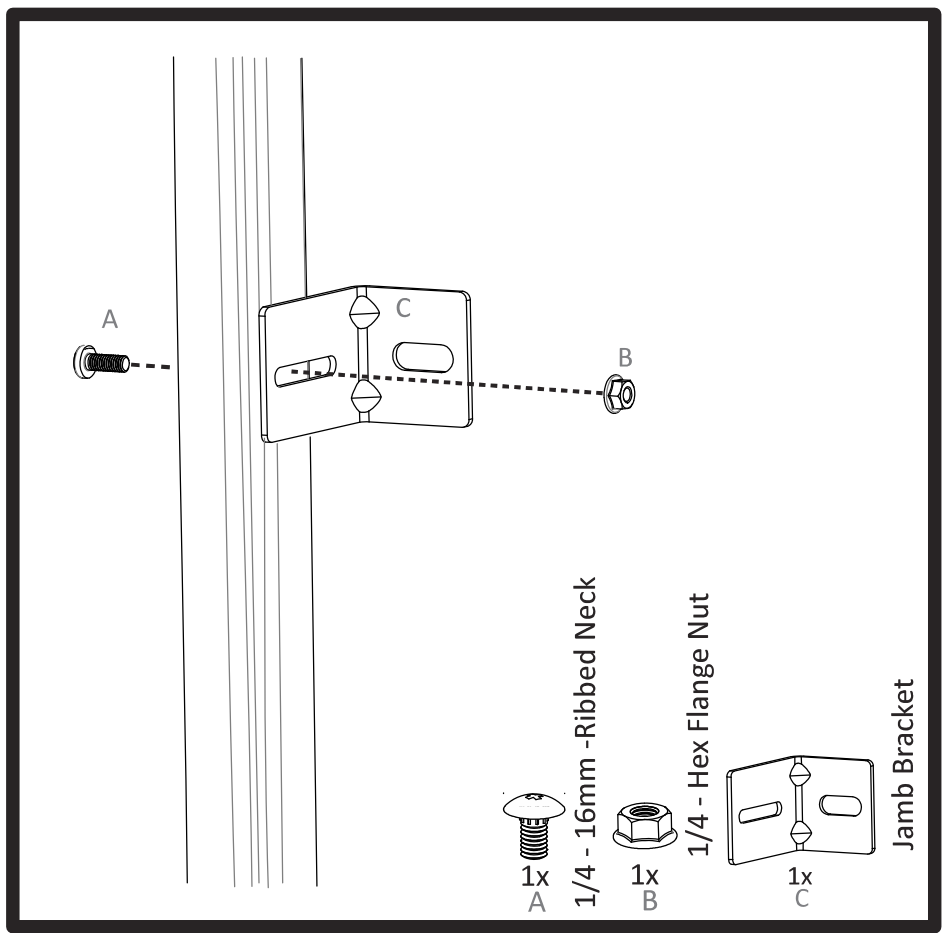
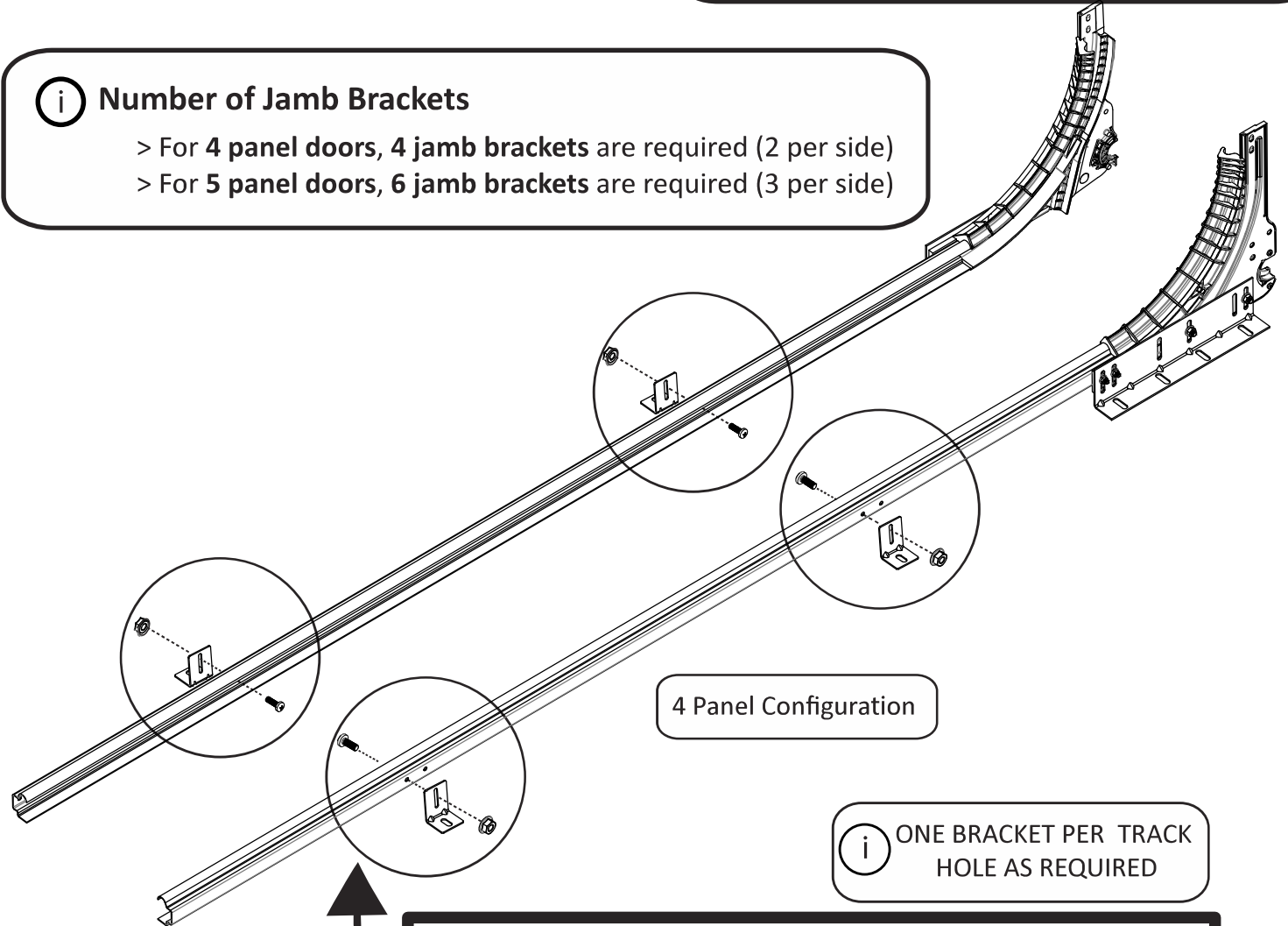
-  2x **A** 1/4 - 1" - Ribbed Neck
-  2x **B** 1/4 - Hex Flange Nut
-  1x **C** 5/16 - 25.4L
-  1x **D** 5/16 - 32L
-  2x **E** 5/16 - Hex Flange Nut
-  1x **F** Ramp Section
-  1x **G** Vertical Track
-  1x **H** Flag Bracket

1x LHS, 1x RHS

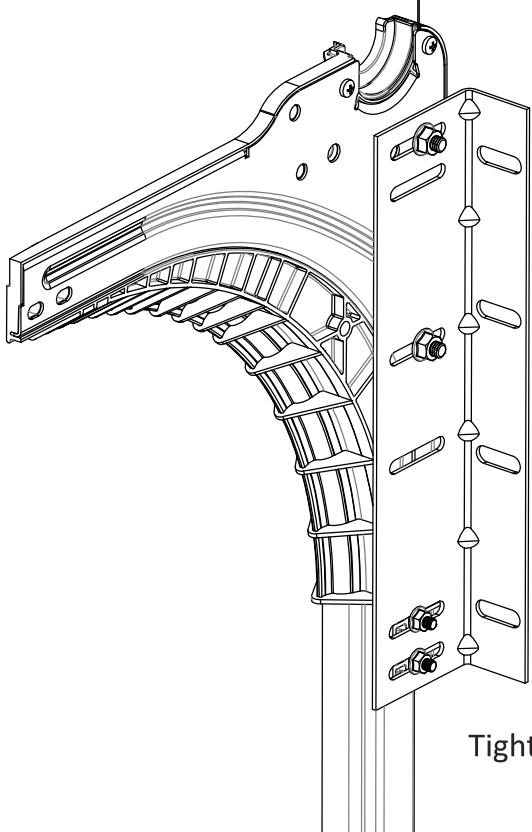
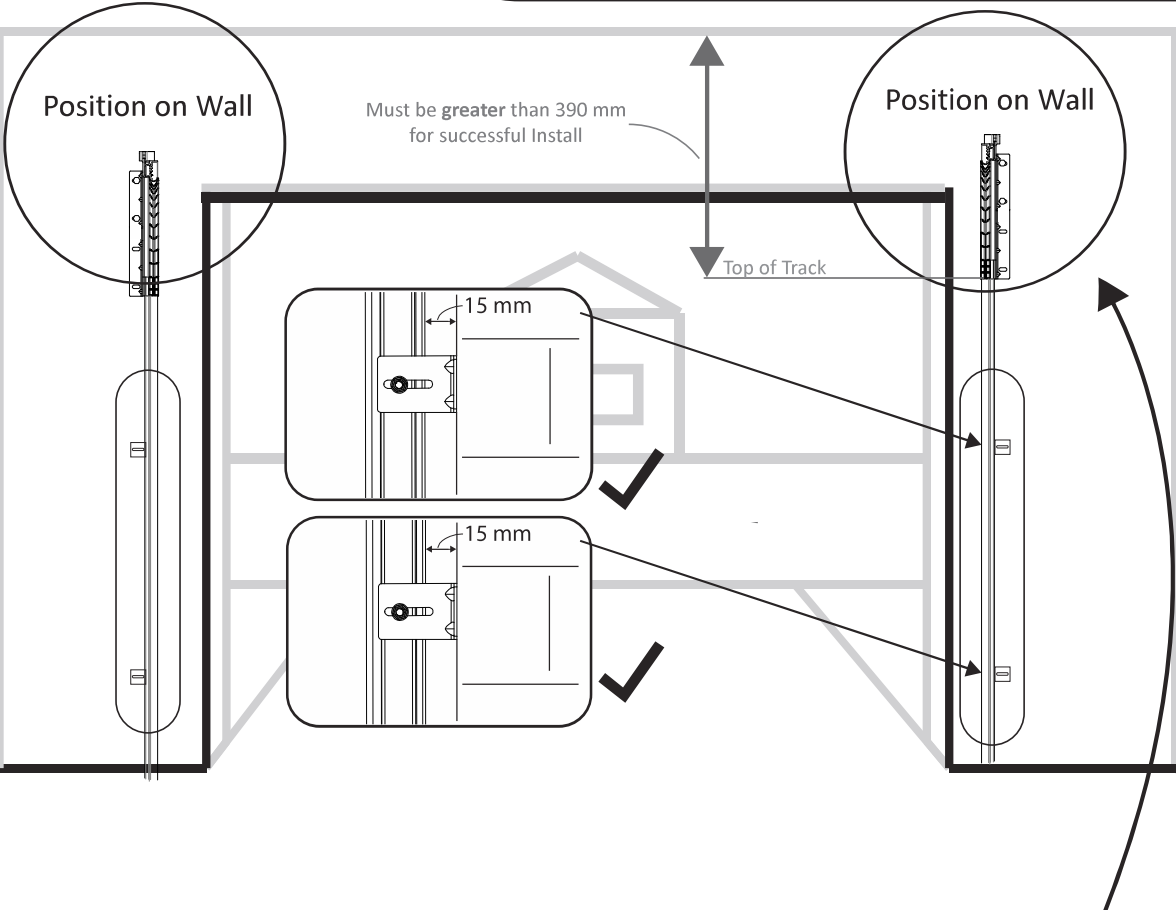
STEP 5 Jamb Bracket Fitment

i **Number of Jamb Brackets**

- > For 4 panel doors, 4 jamb brackets are required (2 per side)
- > For 5 panel doors, 6 jamb brackets are required (3 per side)



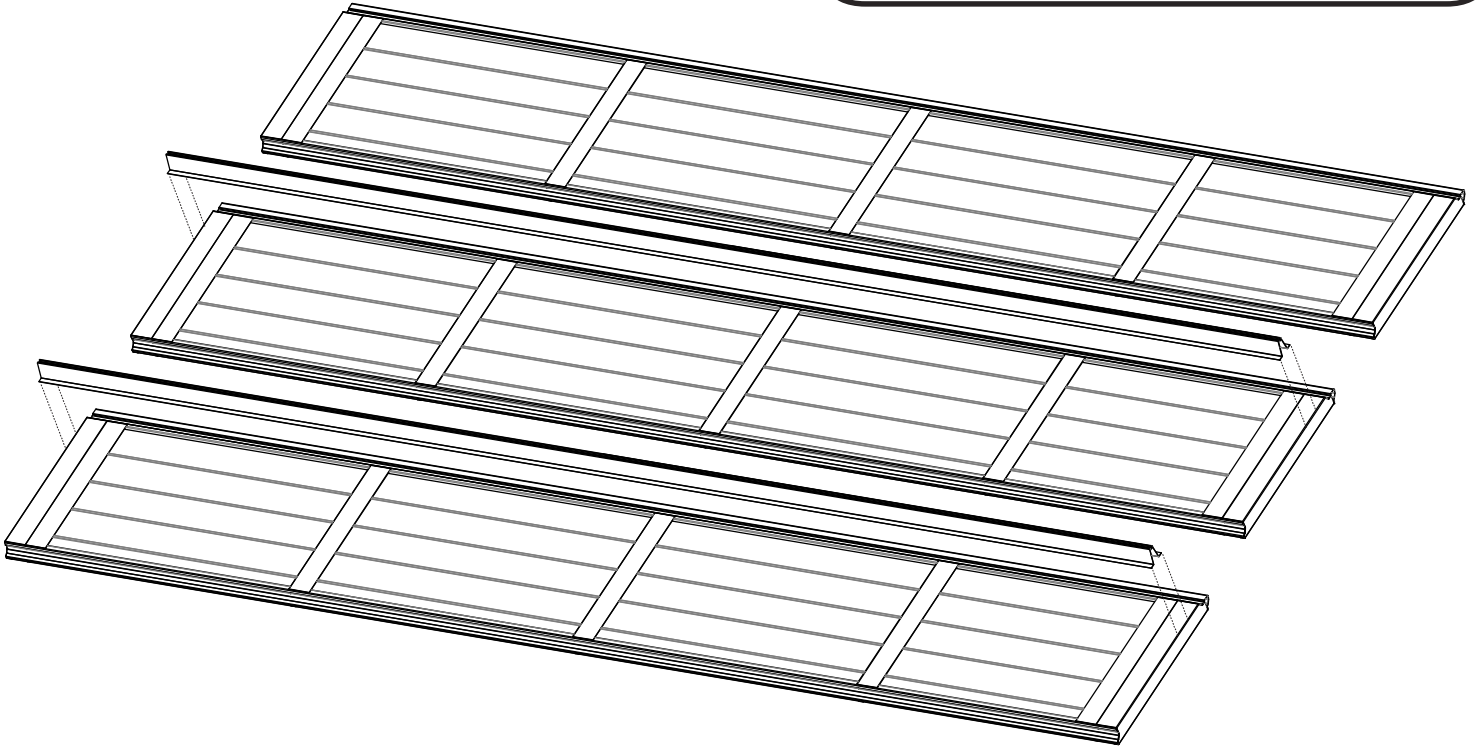
STEP 6 Position Vertical Track Assembly



Tighten Bolts



1x LHS, 1x RHS



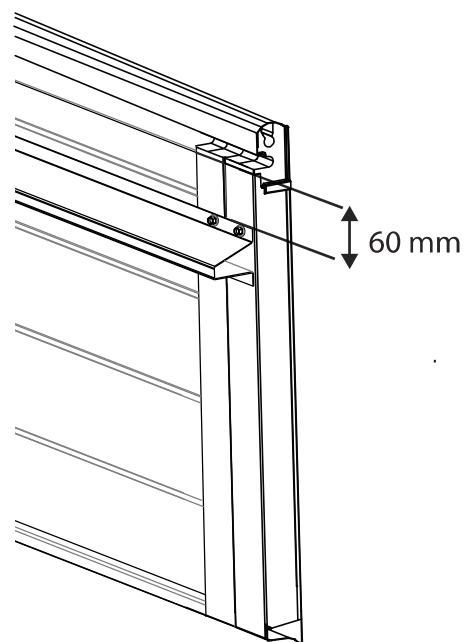
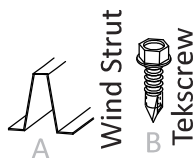
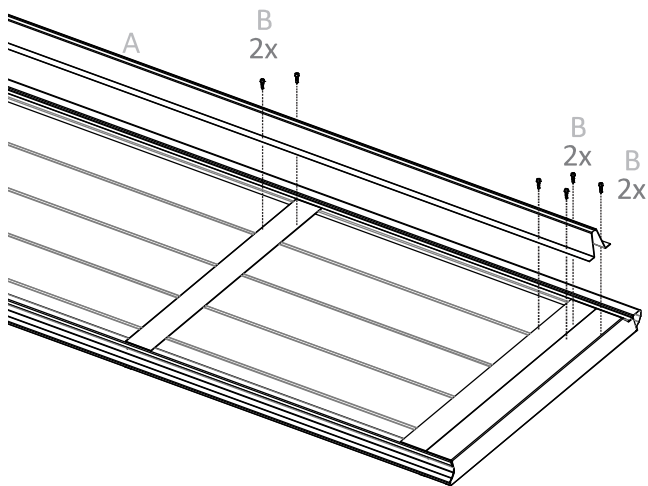
i Location and Number of Wind Struts

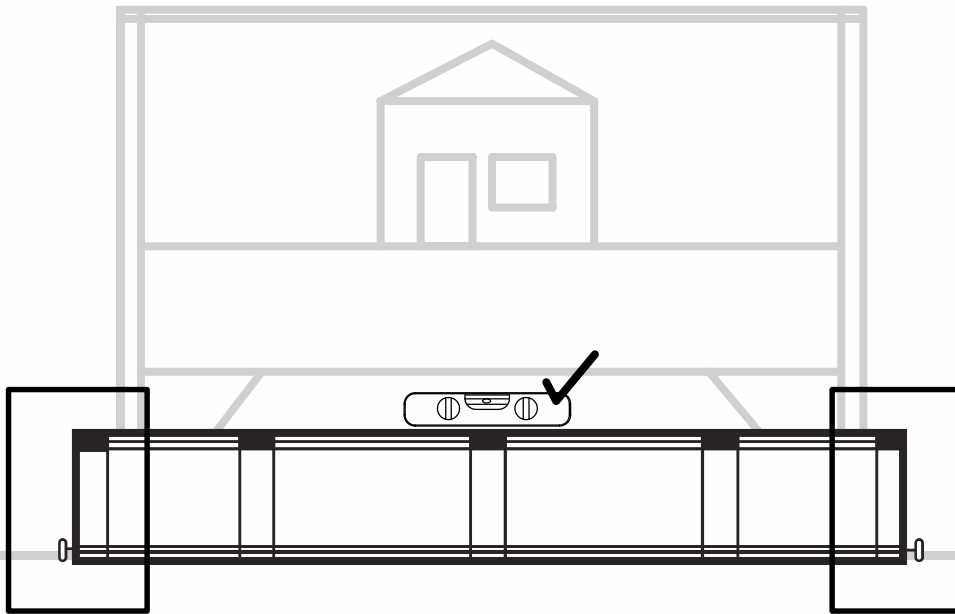
- > The number of wind struts provided for installation will vary dependant on the size and type of sectional door.
- > Where **1 Wind Strut** is provided it is to be installed on the **top panel** fitted to top of style.
- > Where **2 Wind Struts** are provided they are to be installed on the **top and bottom panel**.
- > Where 3 or more Wind Struts are provided they are to be installed on the bottom, top and either middle panels up until each panel has one strut.



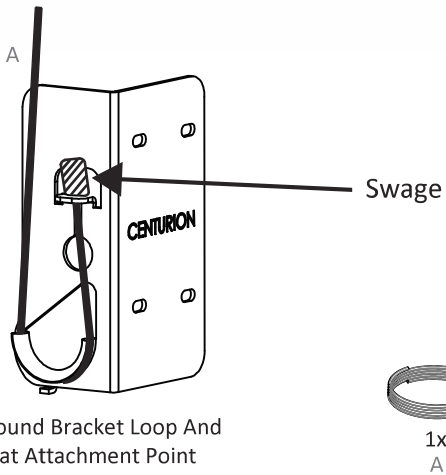
Do not install wind strut on top panel until after top bracket installation

This is to allow easy adjustment of top bracket prior to fitment of top wind strut



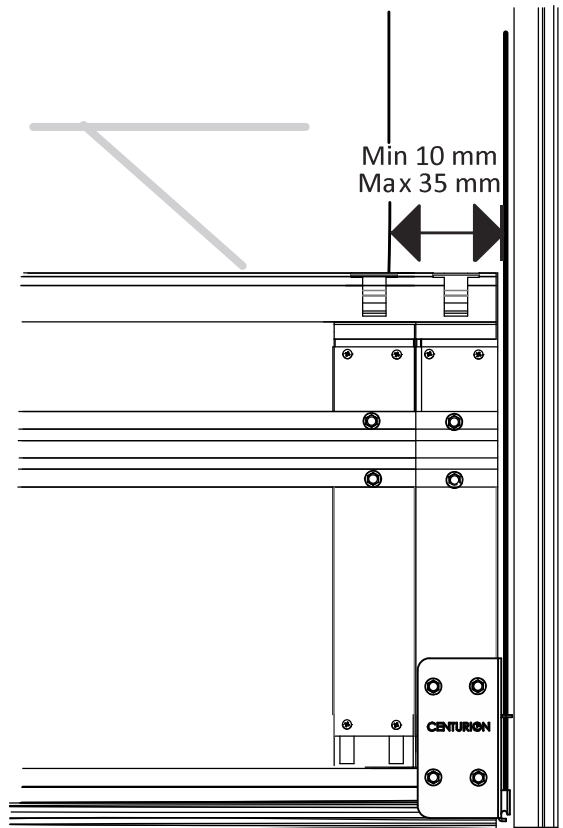


1. Attach Cable To Bottom Bracket



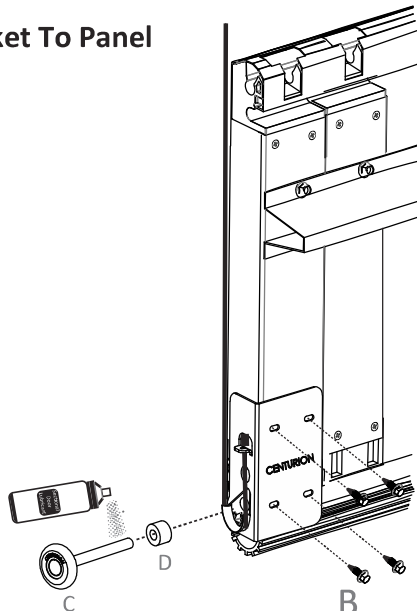
Feed Cable Around Bracket Loop And Secure Swage at Attachment Point

3. Ensure Door Overlaps opening

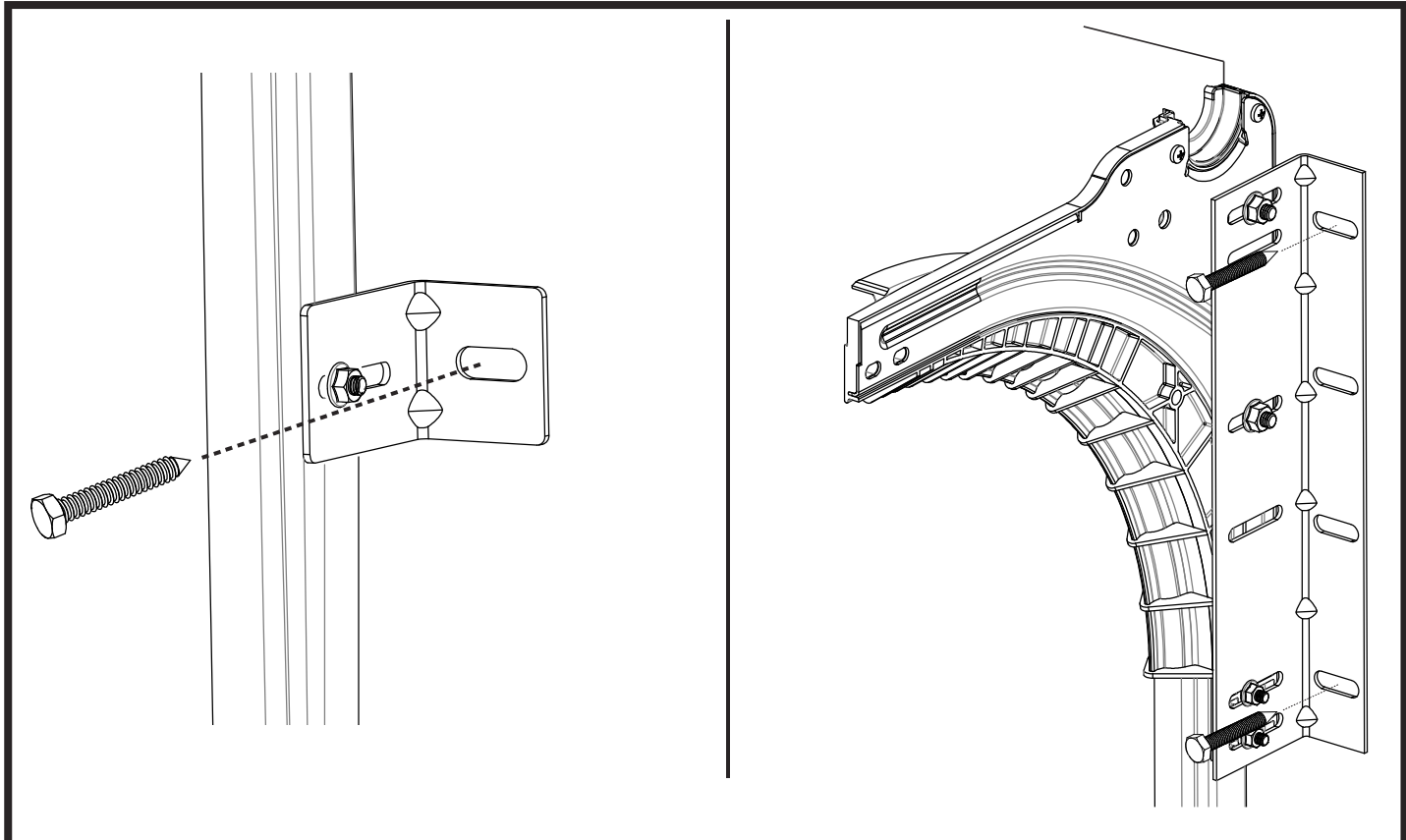
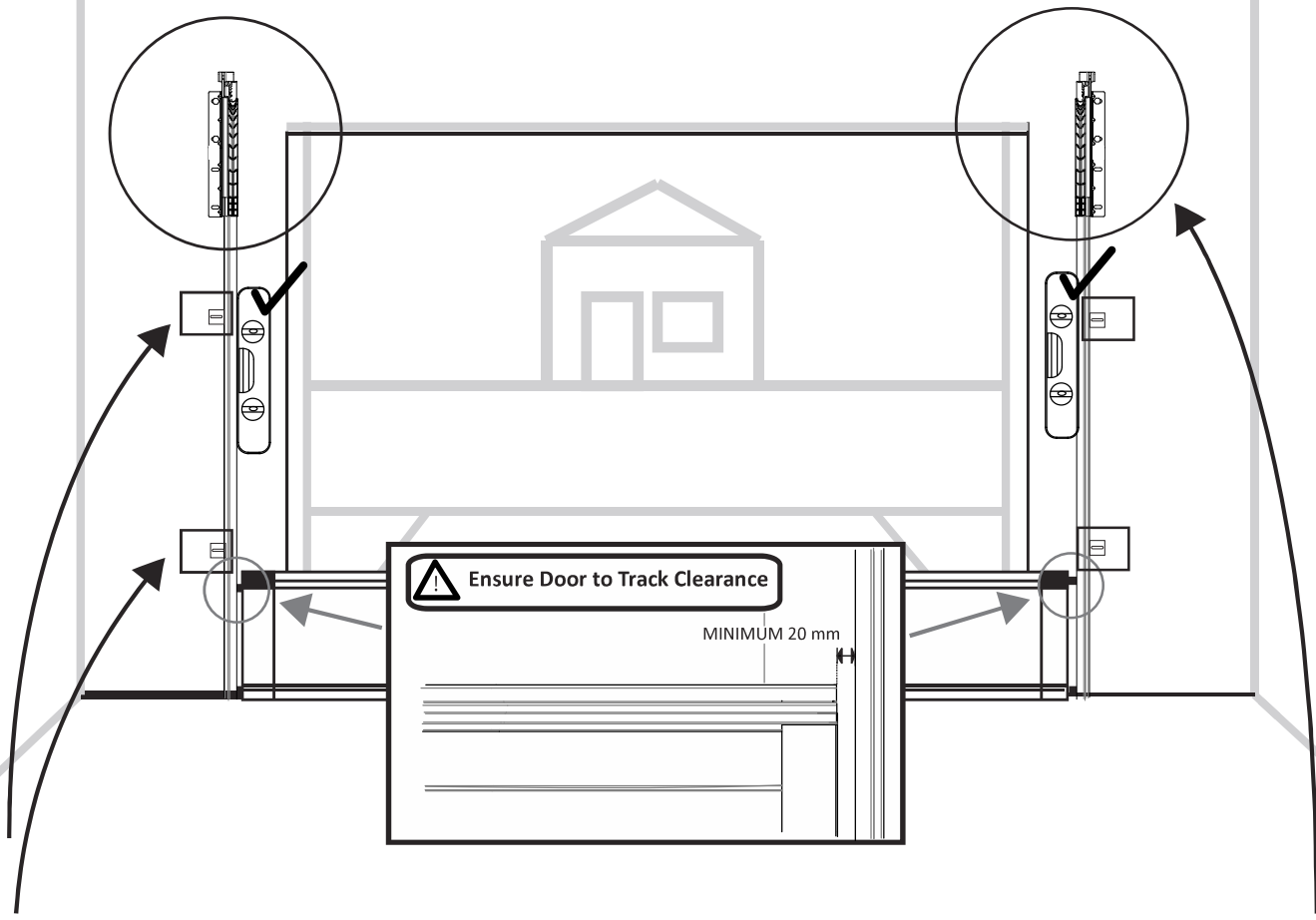


2. Fix Bottom Bracket To Panel

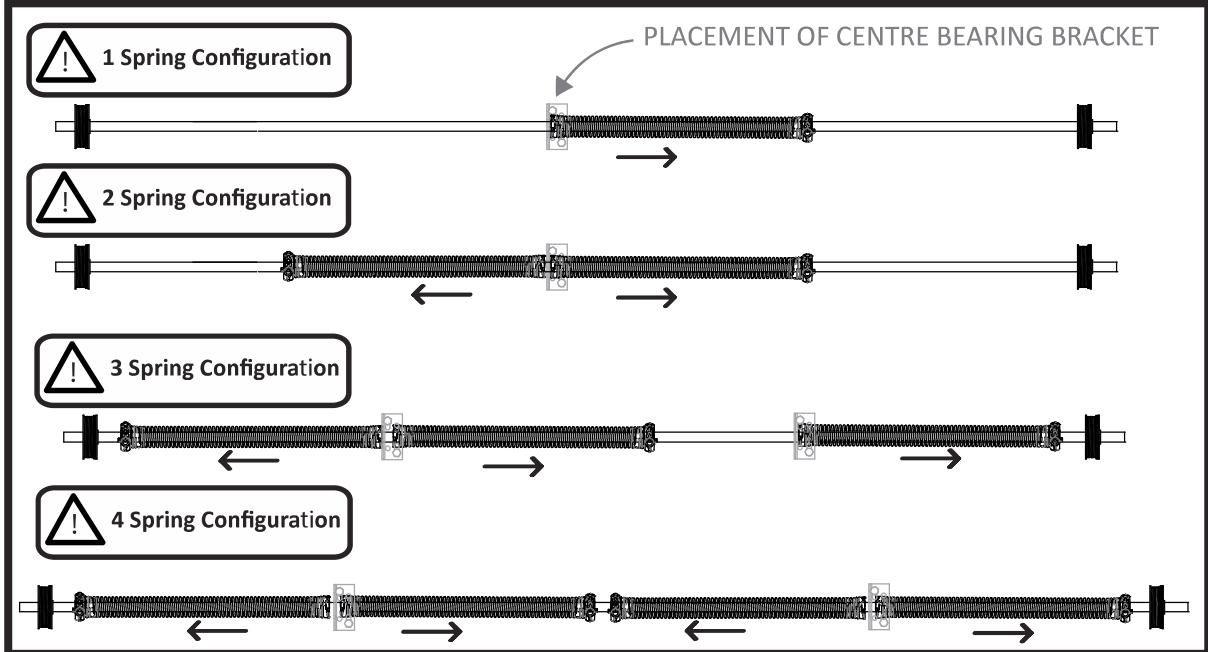
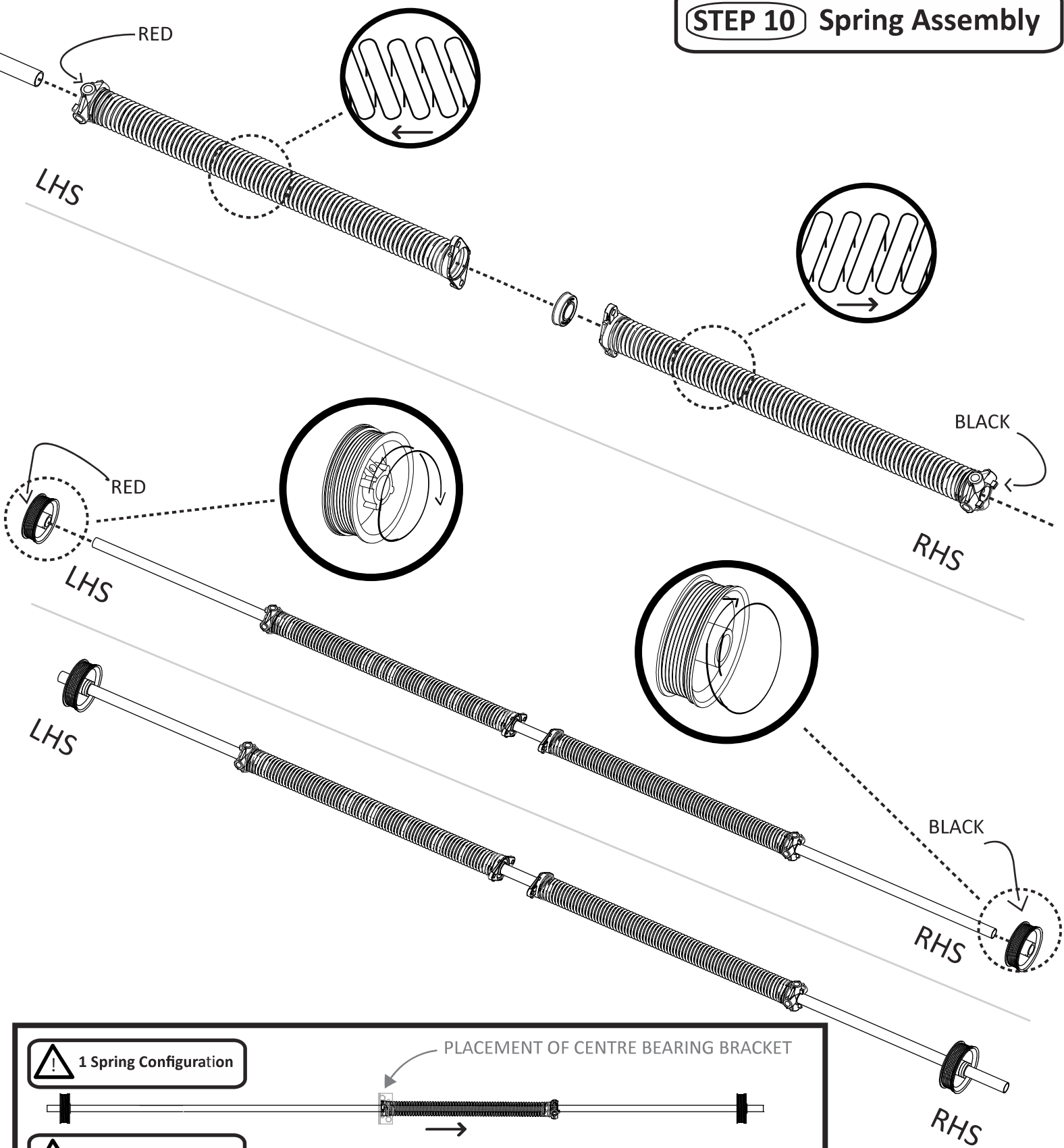
- 4x B TekScrew
- 1x C 49mm Roller
- 1x D Roller Spacer



STEP 9 Track Installation



STEP 10 Spring Assembly

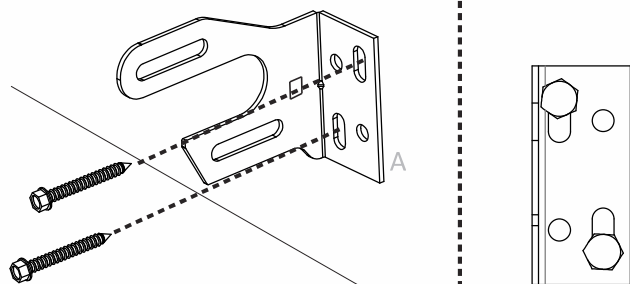
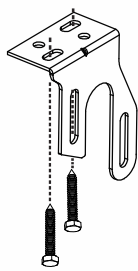


STEP 11

Fitment of Centre Bearing Bracket

Placement of Bracket as per Spring Set

i No Headroom Install

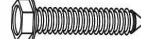


Bearing Bracket


BRICKWORK

80mm x 8mm Hex Washer Head Coach Screw 

TIMBER

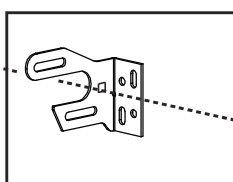
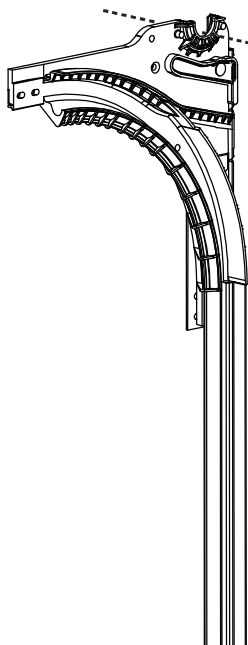
50 mm x 10 G Hex Washer Head Wood Screw 

STEEL

7/16 - 30 mm Hex Head Metal Cutting Screw 



1x
A



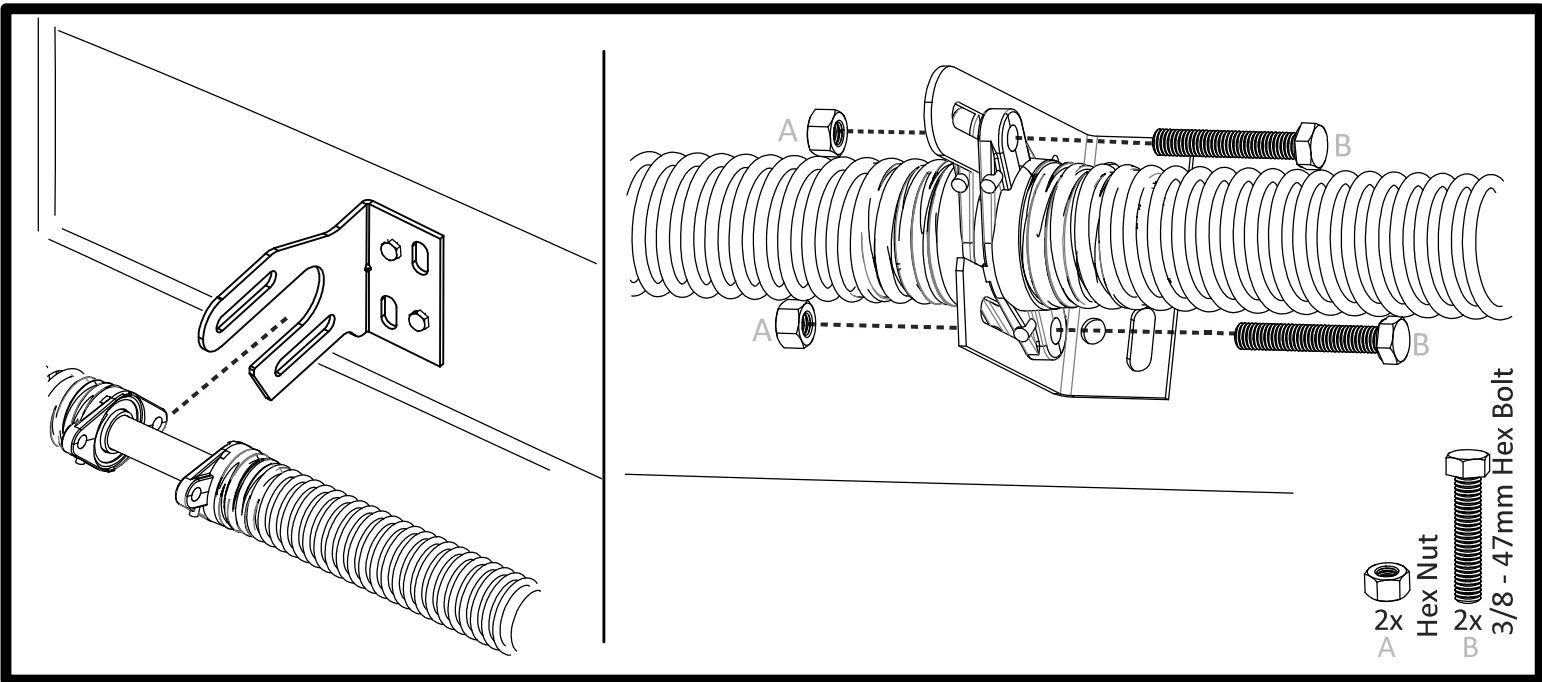
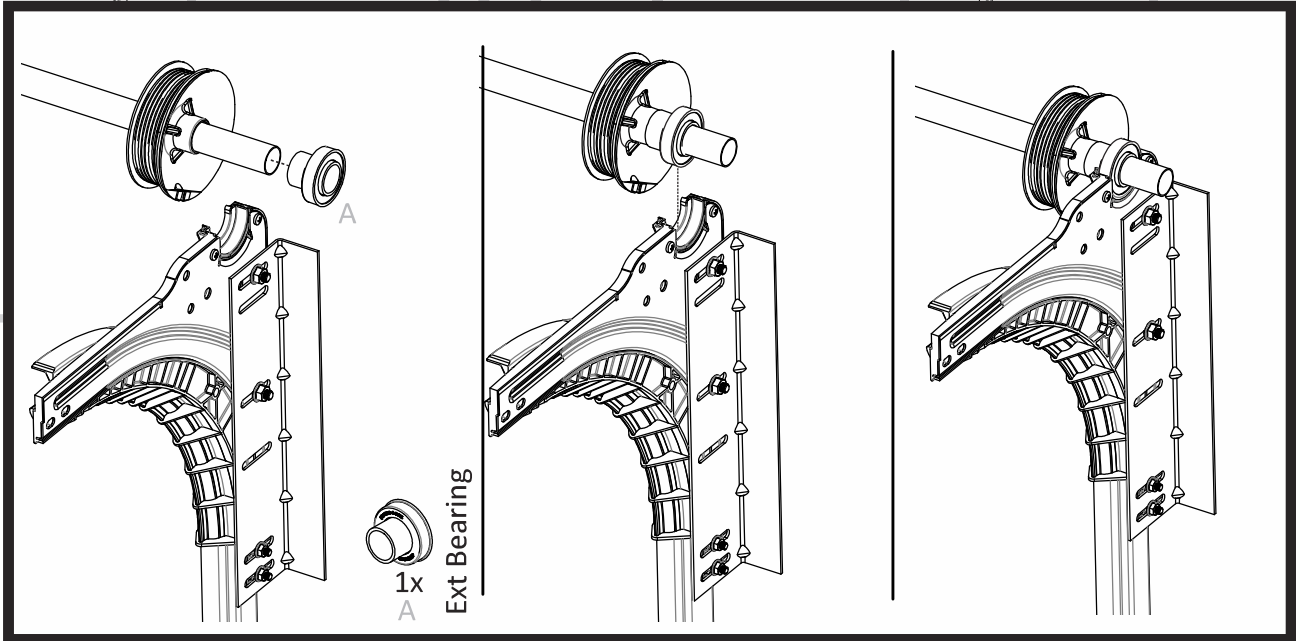
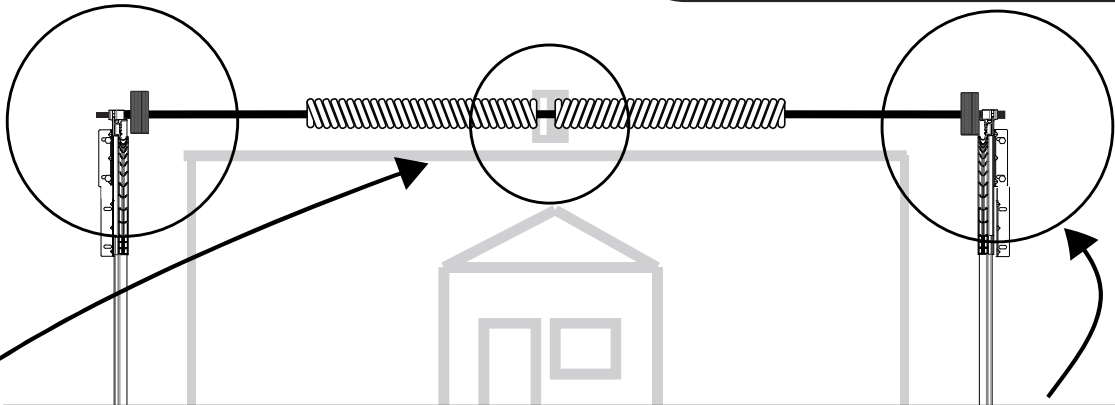
Direction 2: 80Nm



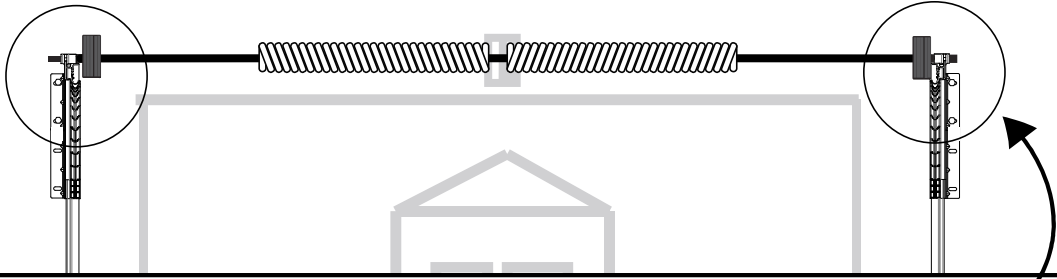
Direction 1: 80Nm

Check Integrity

STEP 12 Spring Installation



STEP 13 Horizontal Track Installation



A

A

A

i Reinforcement Bar Size

- > For sectional doors with width < 4300mm and with 4 or less panels, a 395mm reinforcement bar must be used.
- > All other doors must be fitted with a 1200mm reinforcement bar.

A
1x

Sectional Track

A
1x

Reinforcement Bar

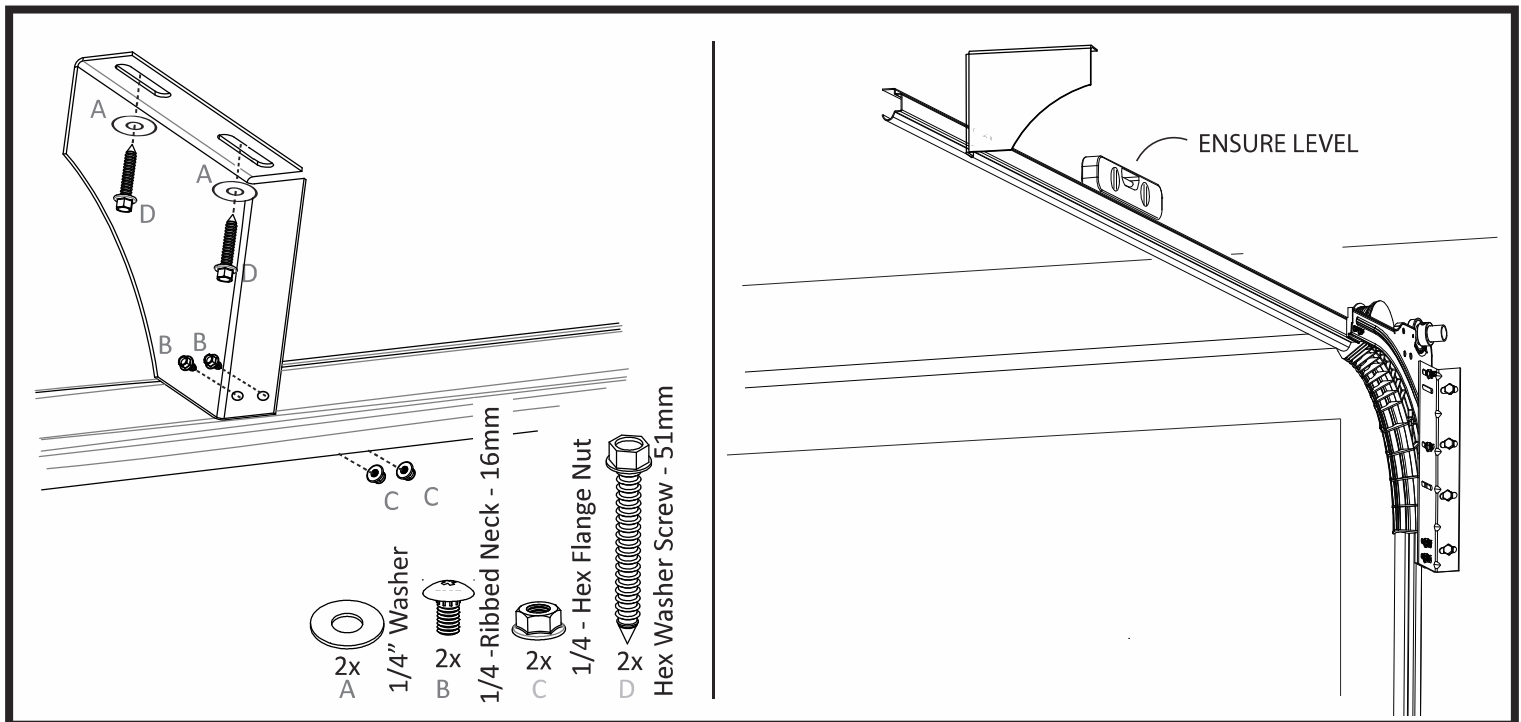
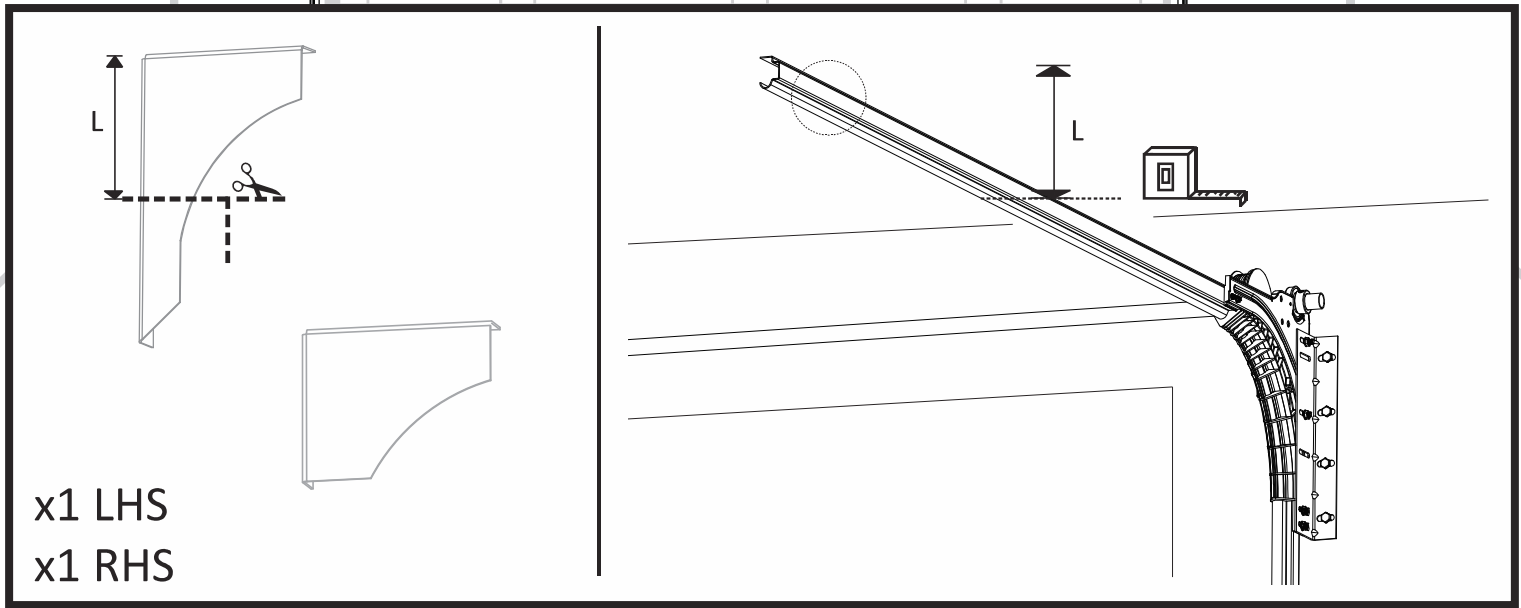
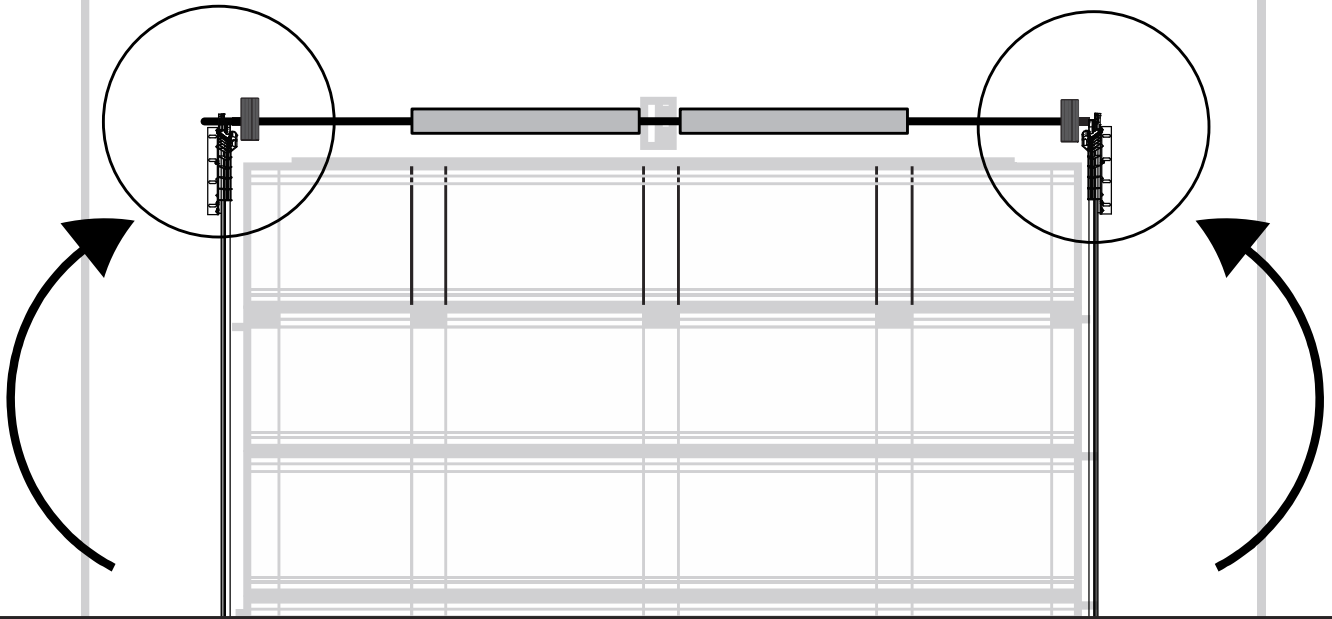
A B C D

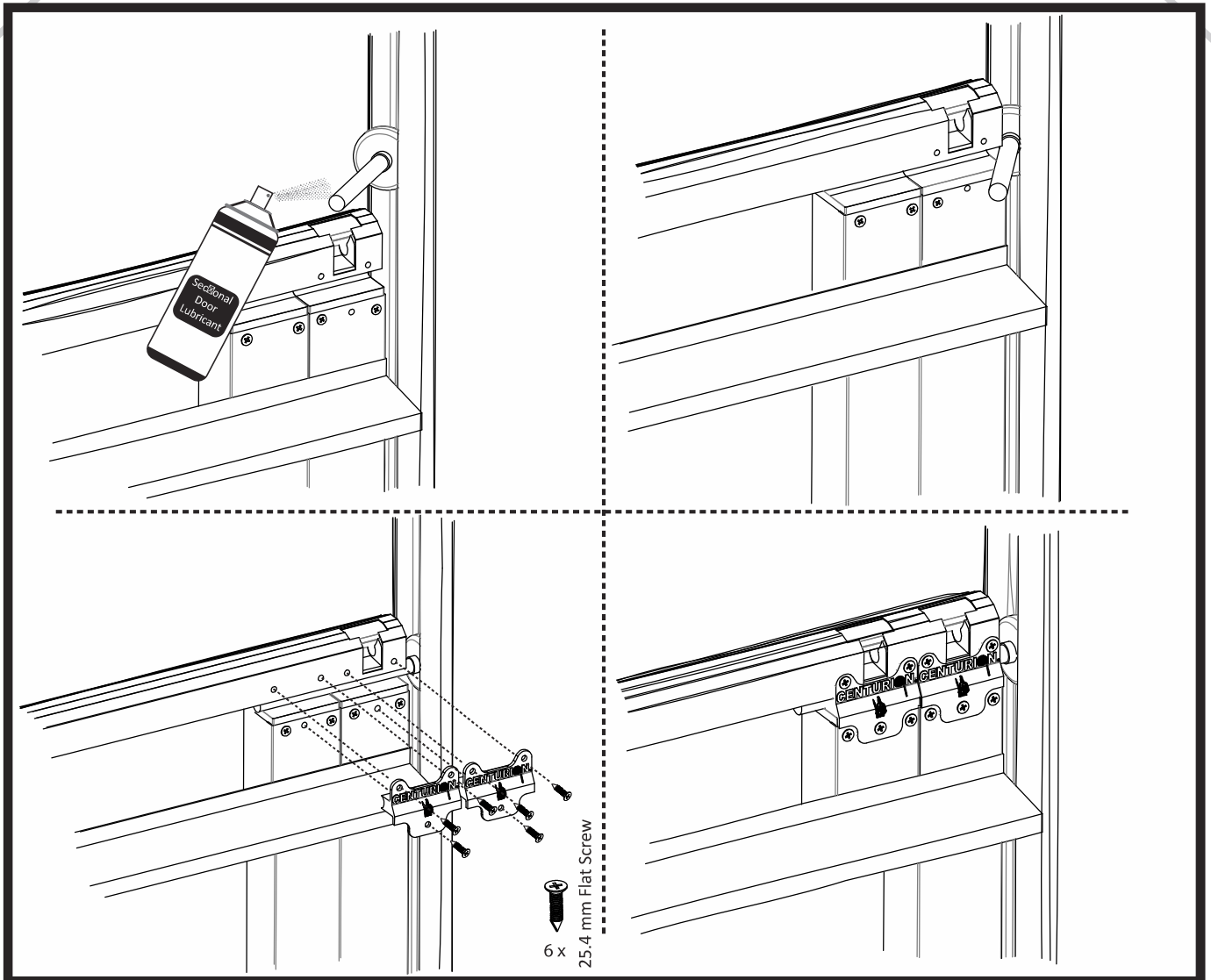
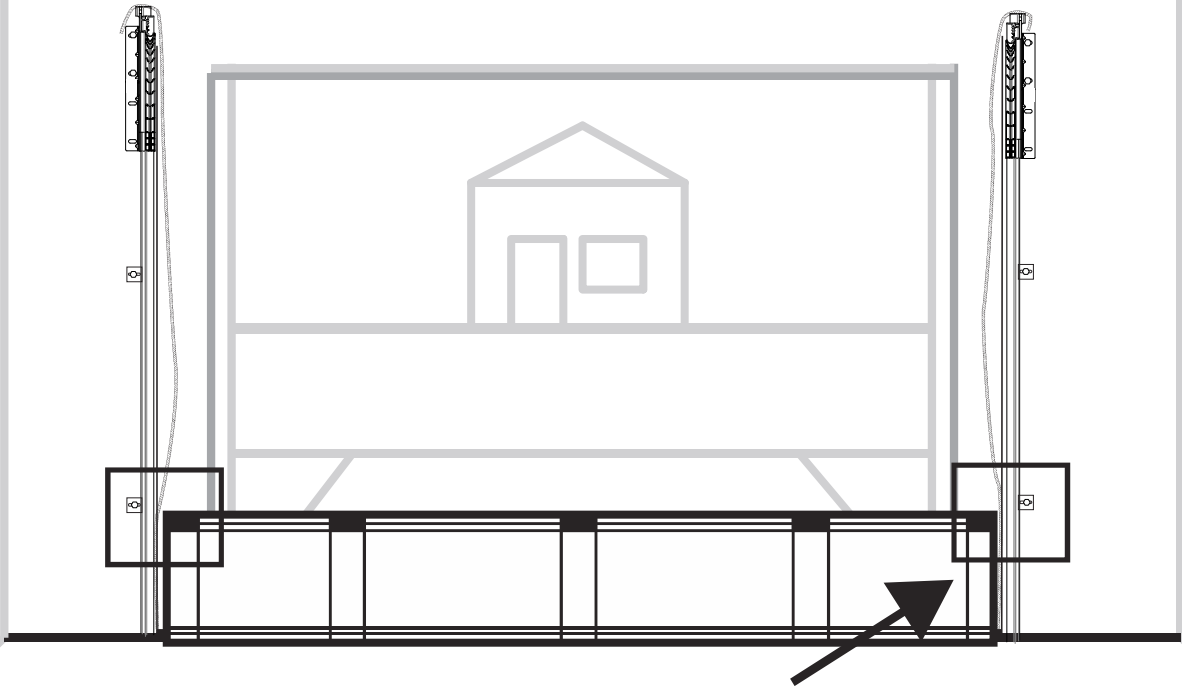
A D D D

Reinforcement Bar Fixings
Provided with Kit

A	B	C	D
2x	2x	1x	5x
1/4 - Screw 35mm	1/4 - Screw 42mm	1/4 - Flat Head 42mm	1/4 - Hex Flange Nut

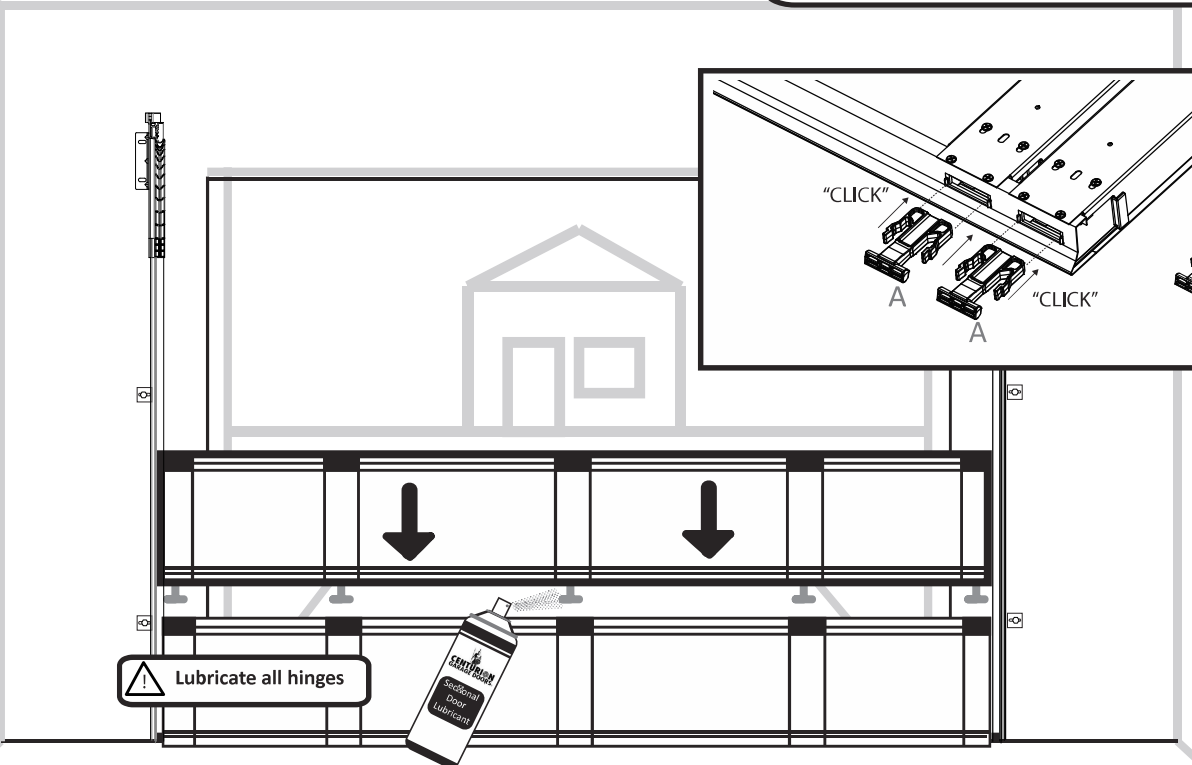
⚠ Ensure Track Surface Join is Smooth



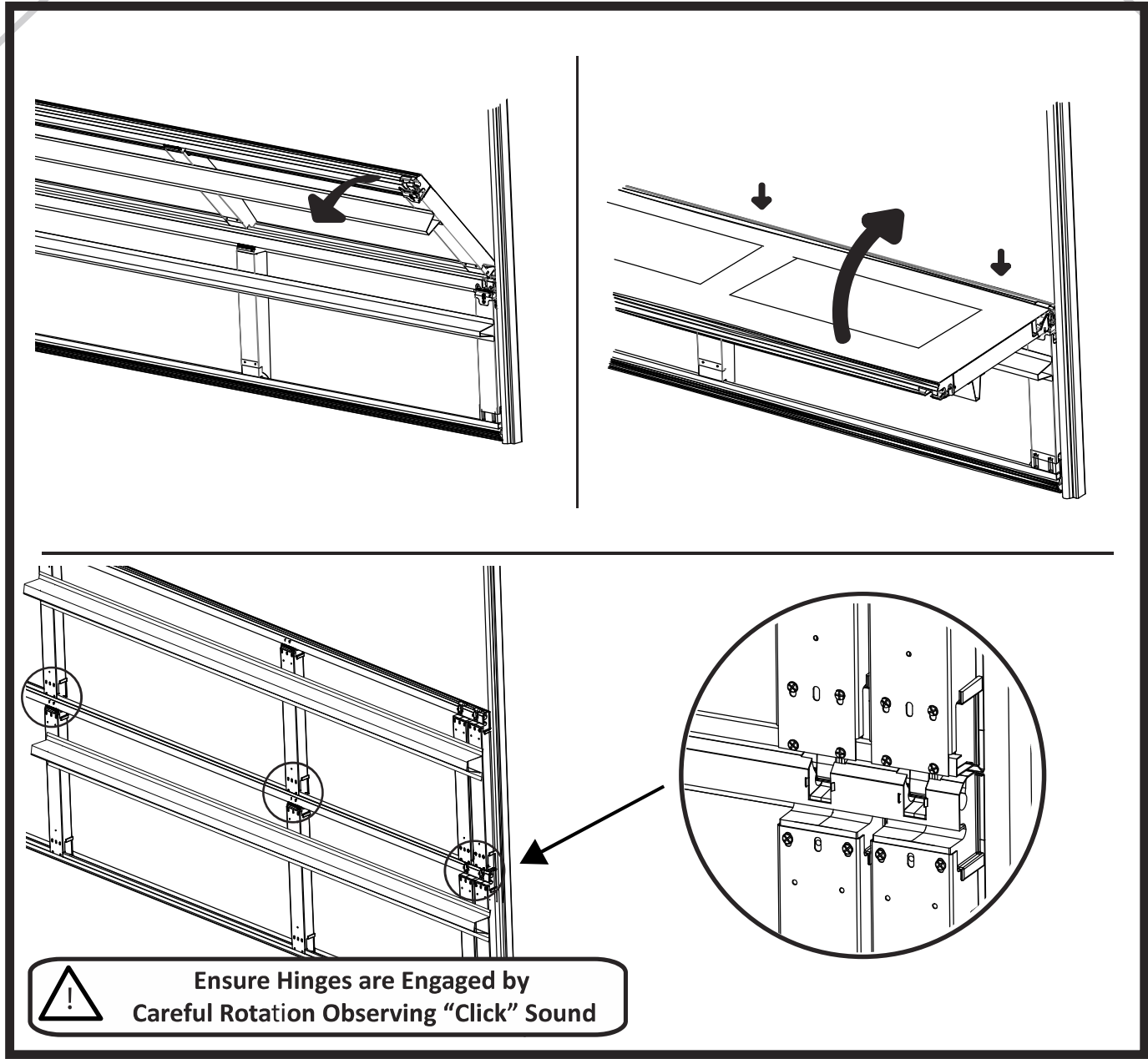



DOUBLE END STILE CONFIGURATION SHOWN, SMALLER DOORS WILL HAVE SINGLE END STILE WITH ONLY ONE ROLLER RETAINER.

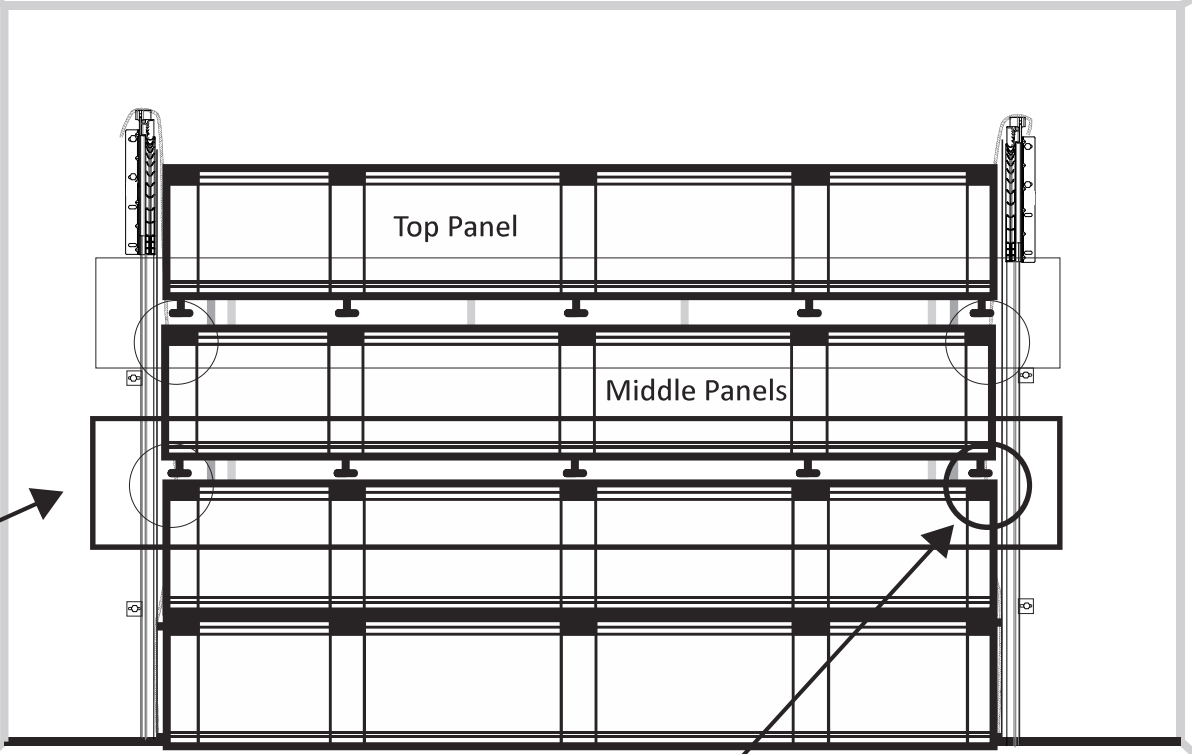
STEP 15 Panel Installation



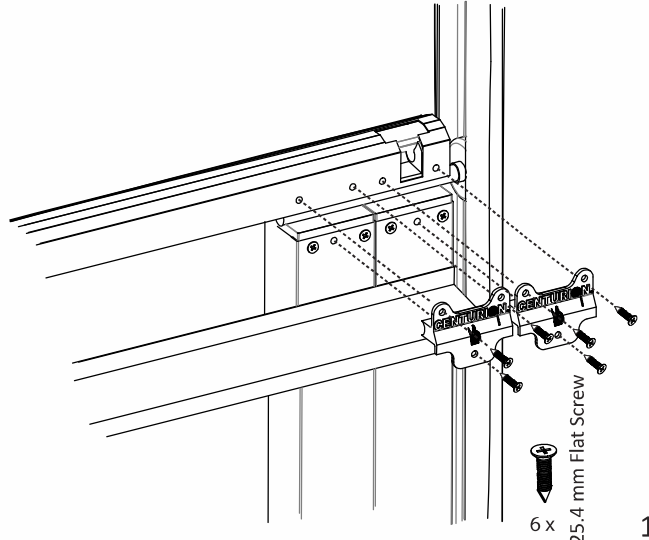
 Lubricate all hinges



 **Ensure Hinges are Engaged by Careful Rotation Observing "Click" Sound**

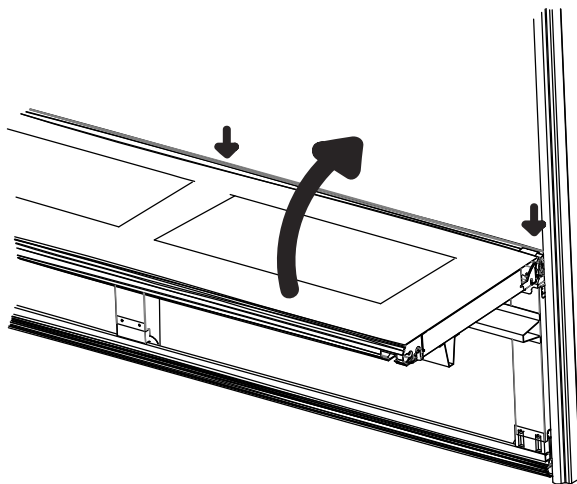
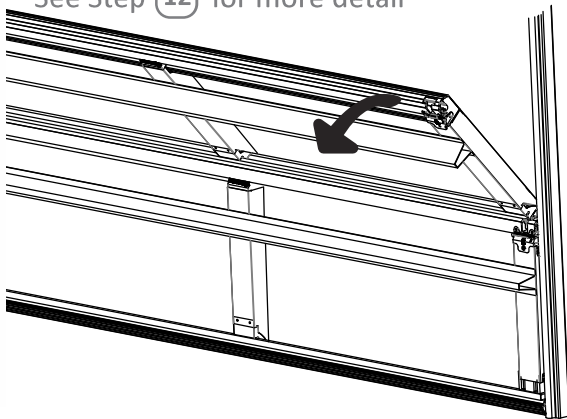


See Step 11 for more detail



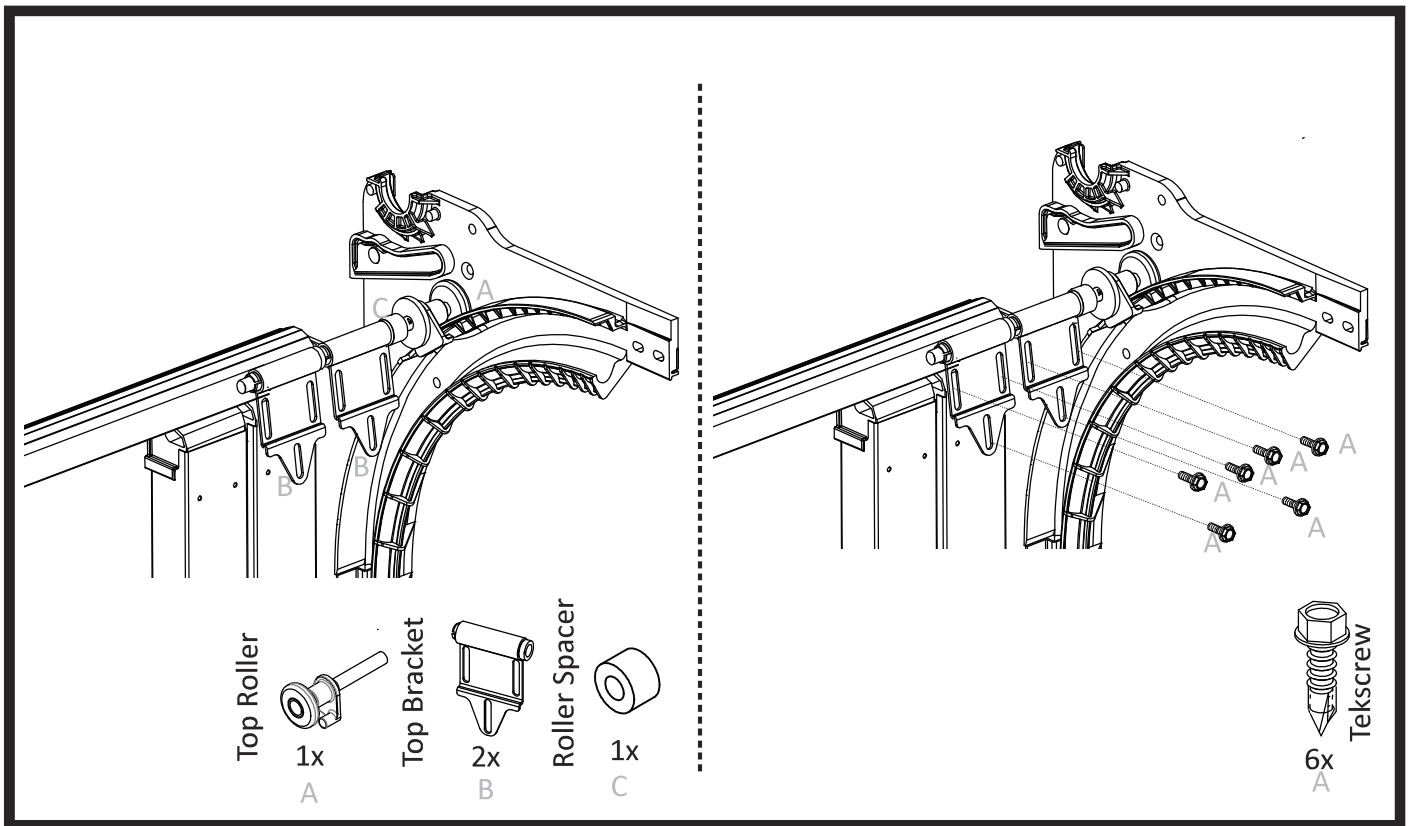
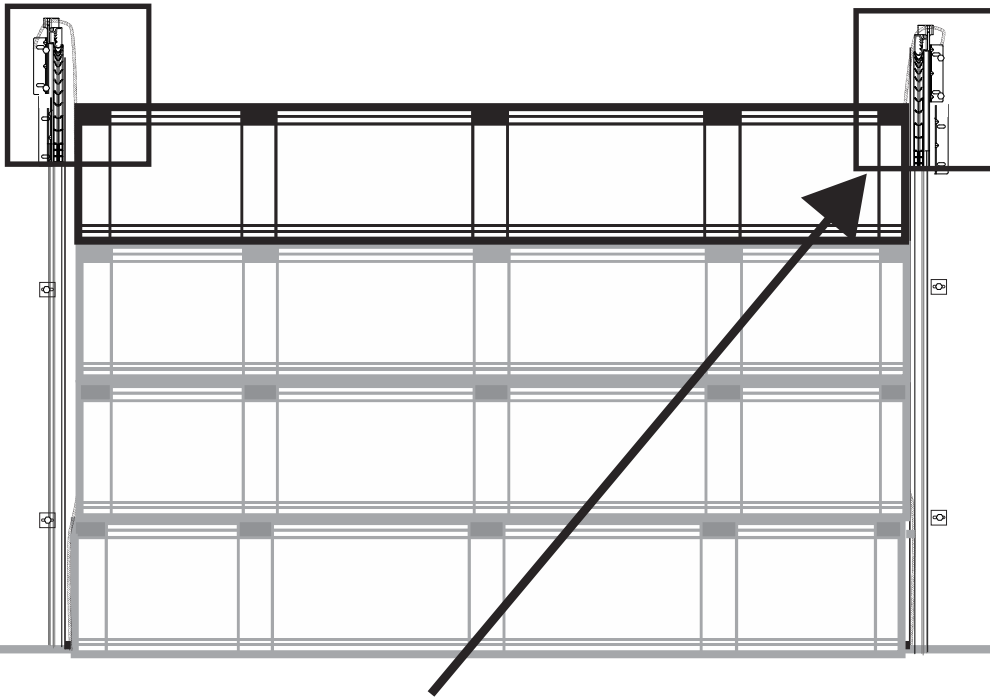
1

See Step 12 for more detail

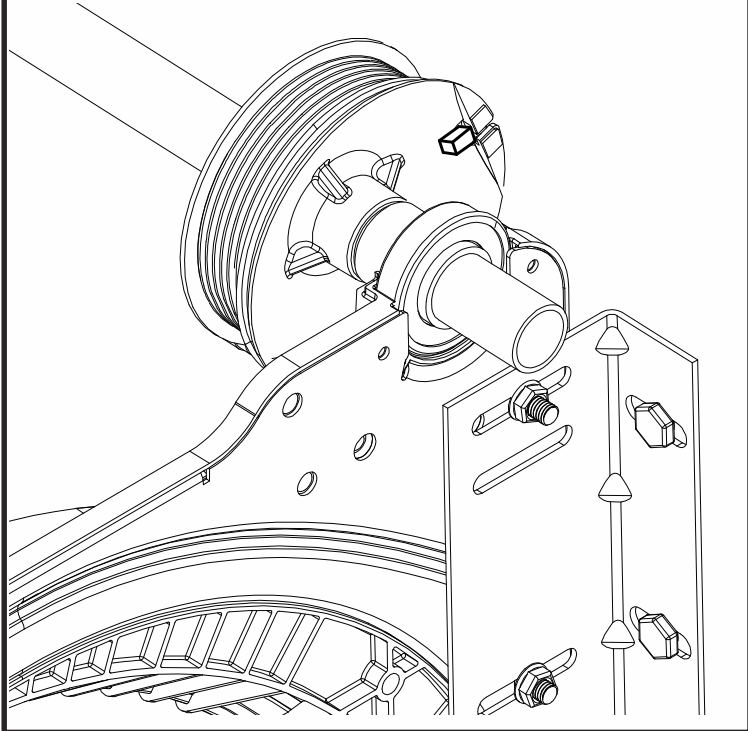
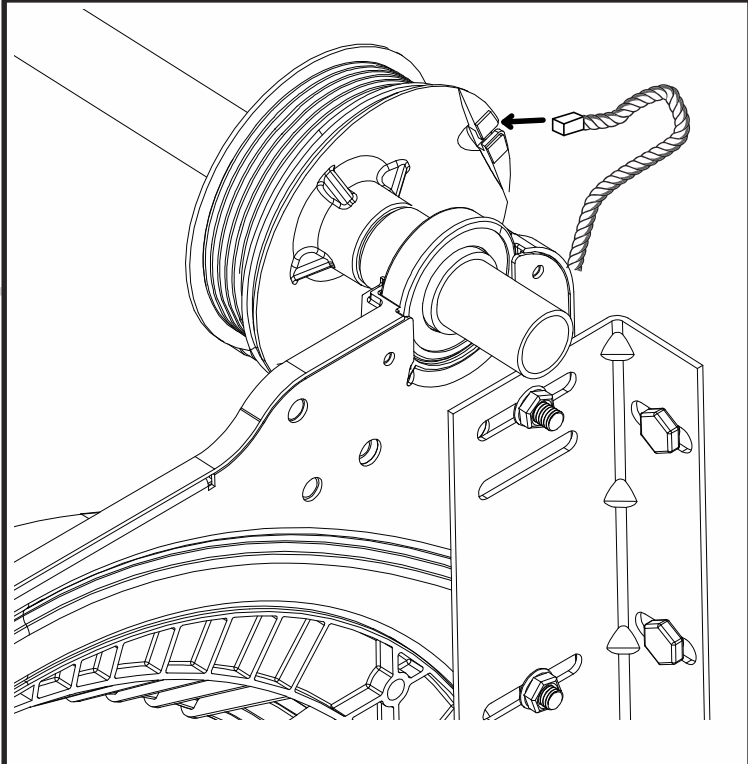
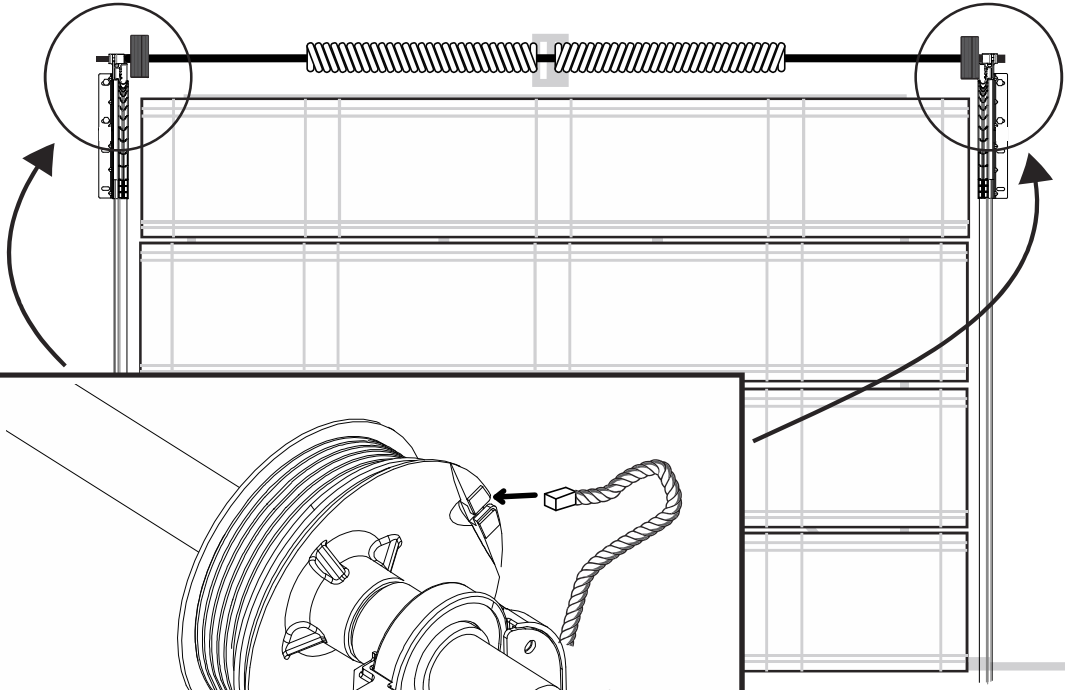


2

STEP 16 Fit Top Roller



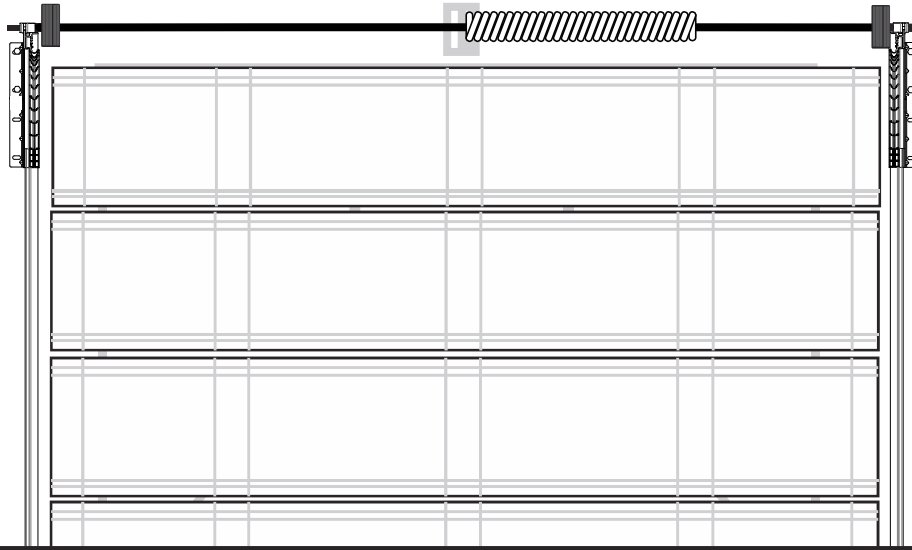
DOUBLE END STILE CONFIGURATION SHOWN, SMALLER DOORS WILL HAVE SINGLE END STILE WITH ONLY ONE BRACKET.



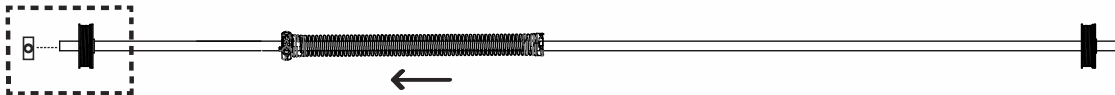


This Step is for Single Spring /3 Spring Doors Only

STEP 17 Lock Collar Placement



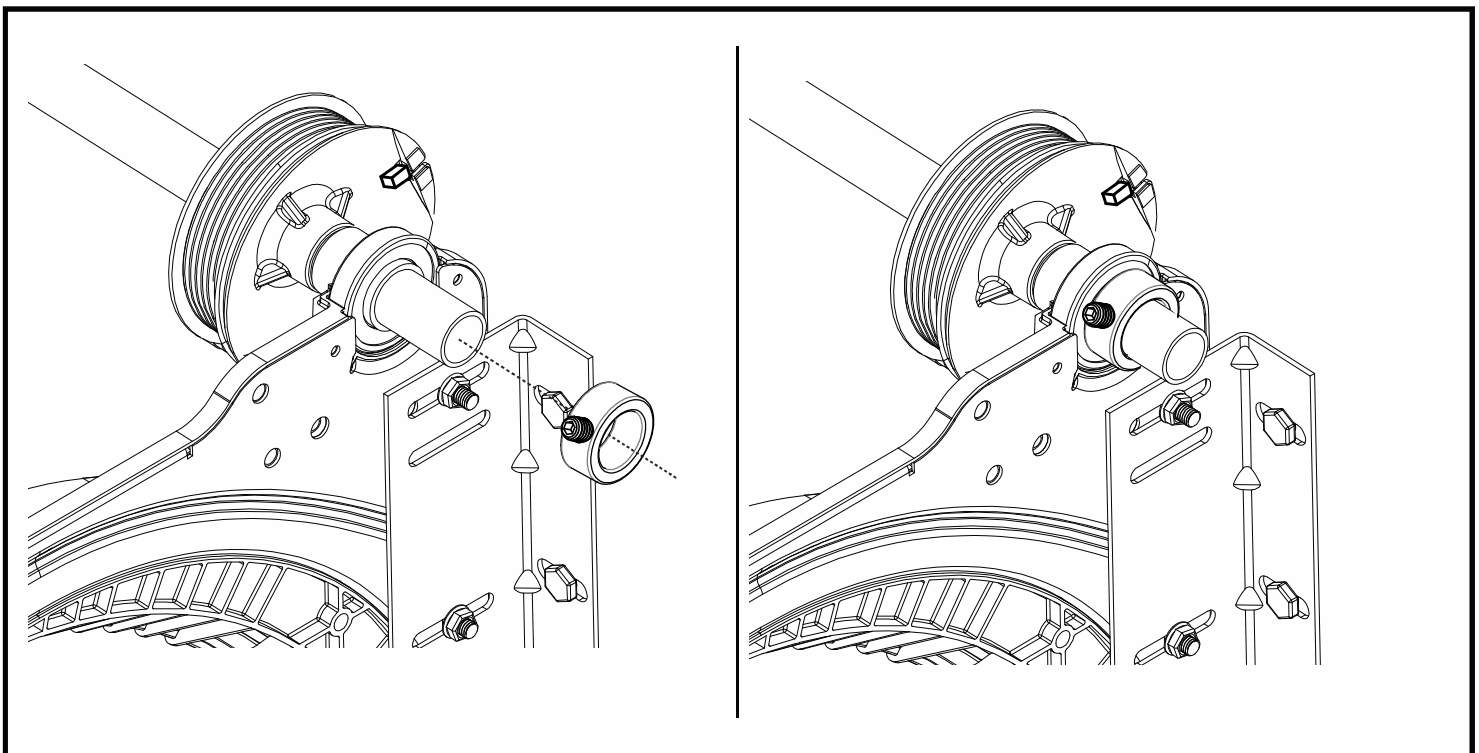
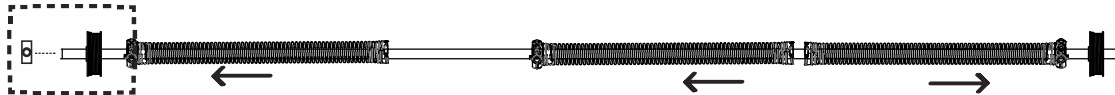
Single Spring - Left Handed Spring Configuration



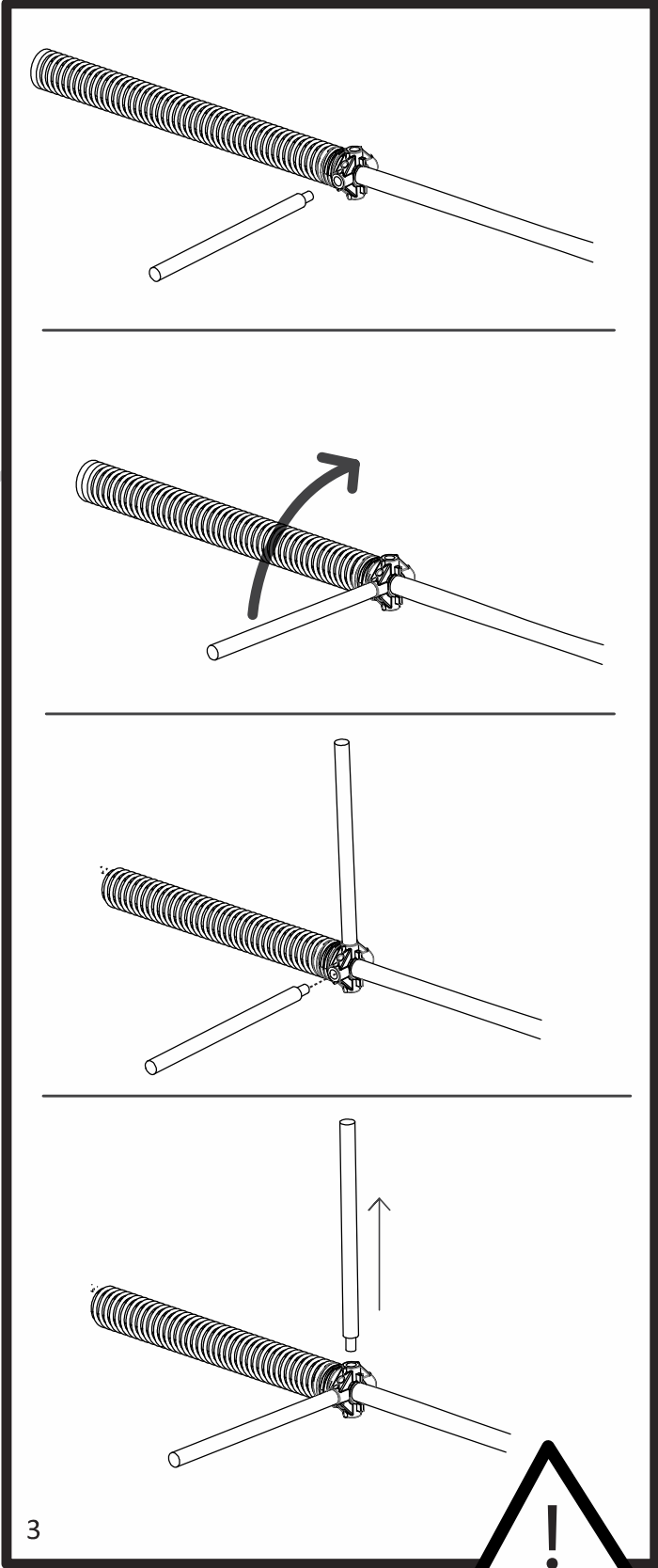
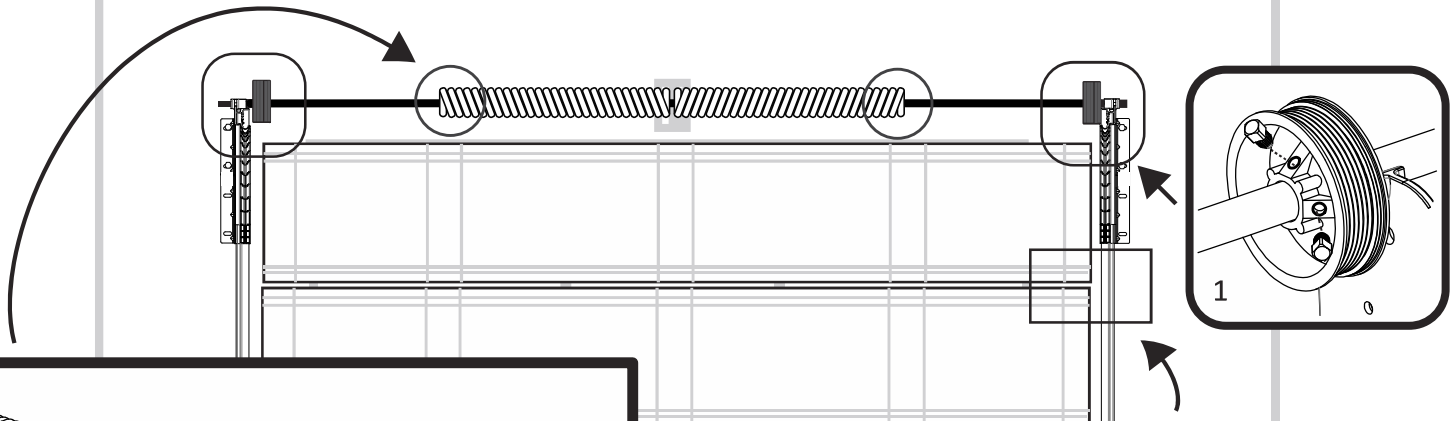
3 Spring - Right Handed Configuration



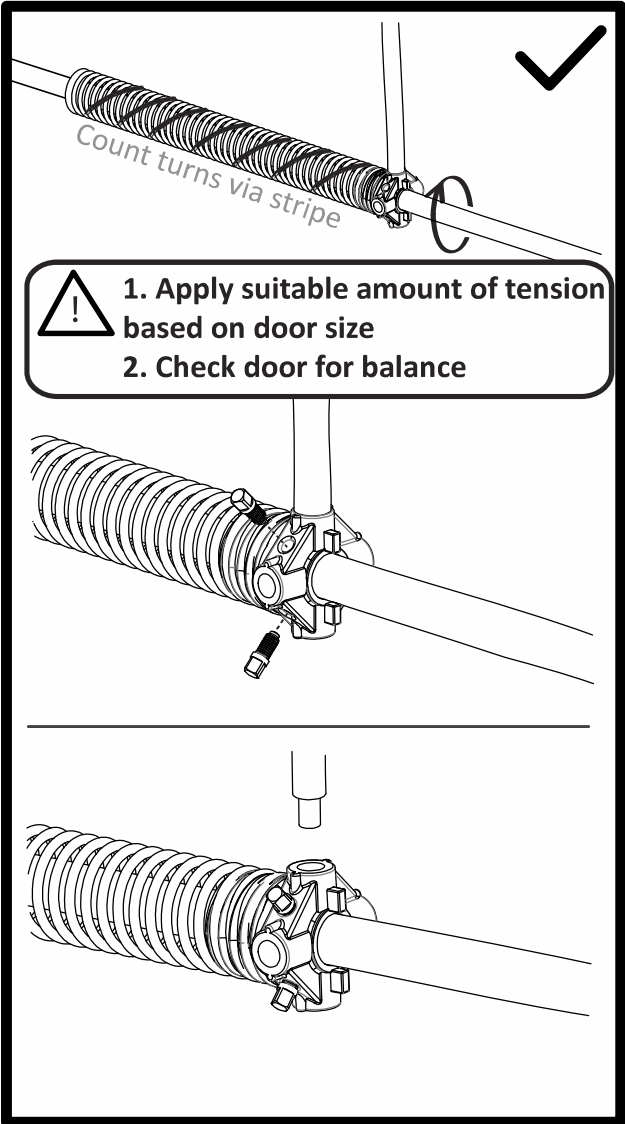
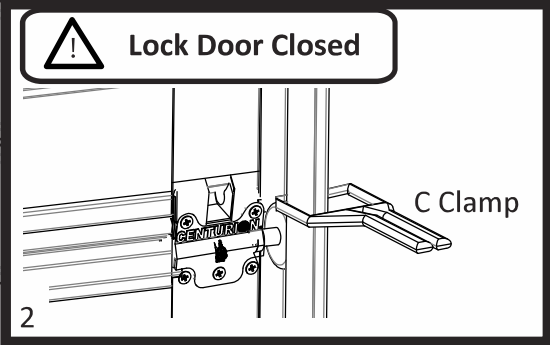
3 Spring - Left Handed Configuration



STEP 18 Apply Spring Torsion

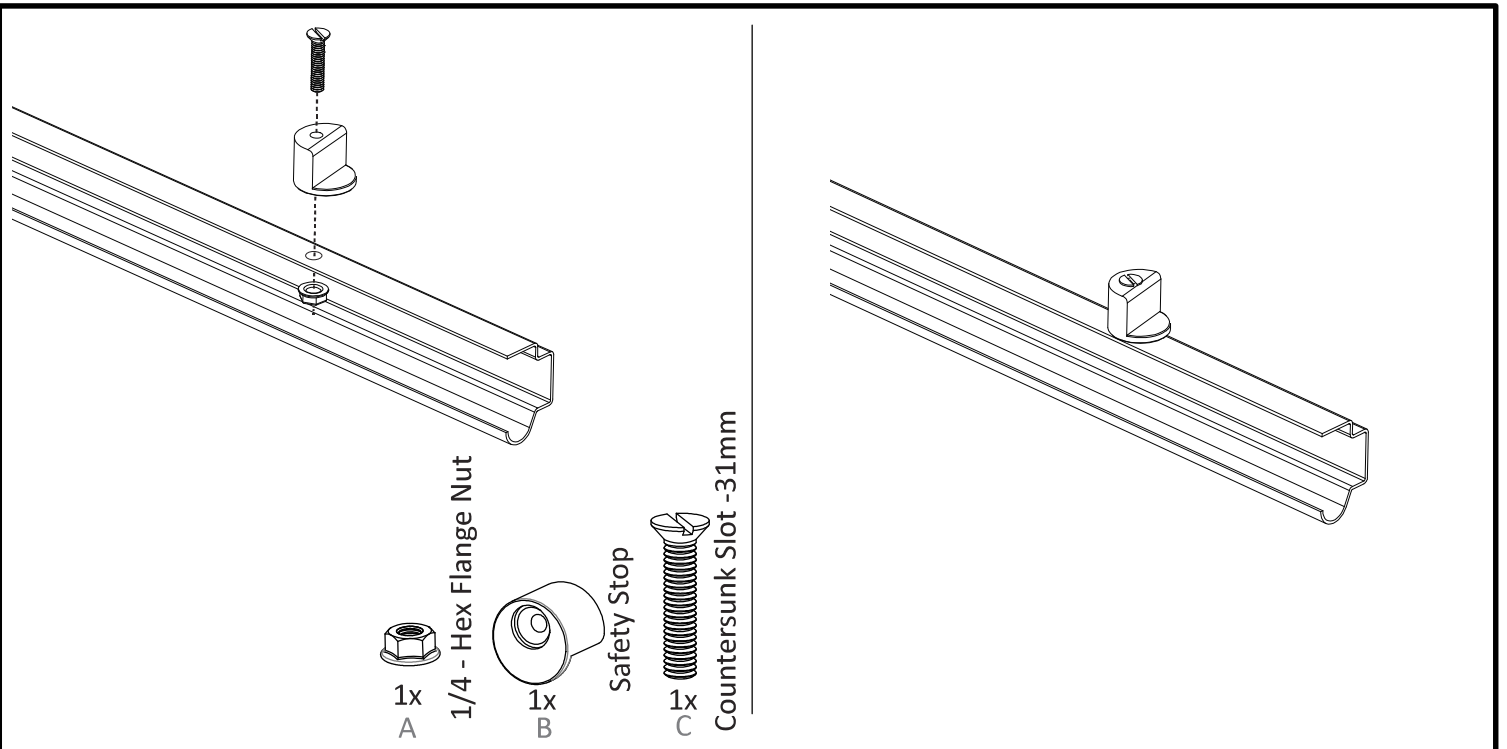
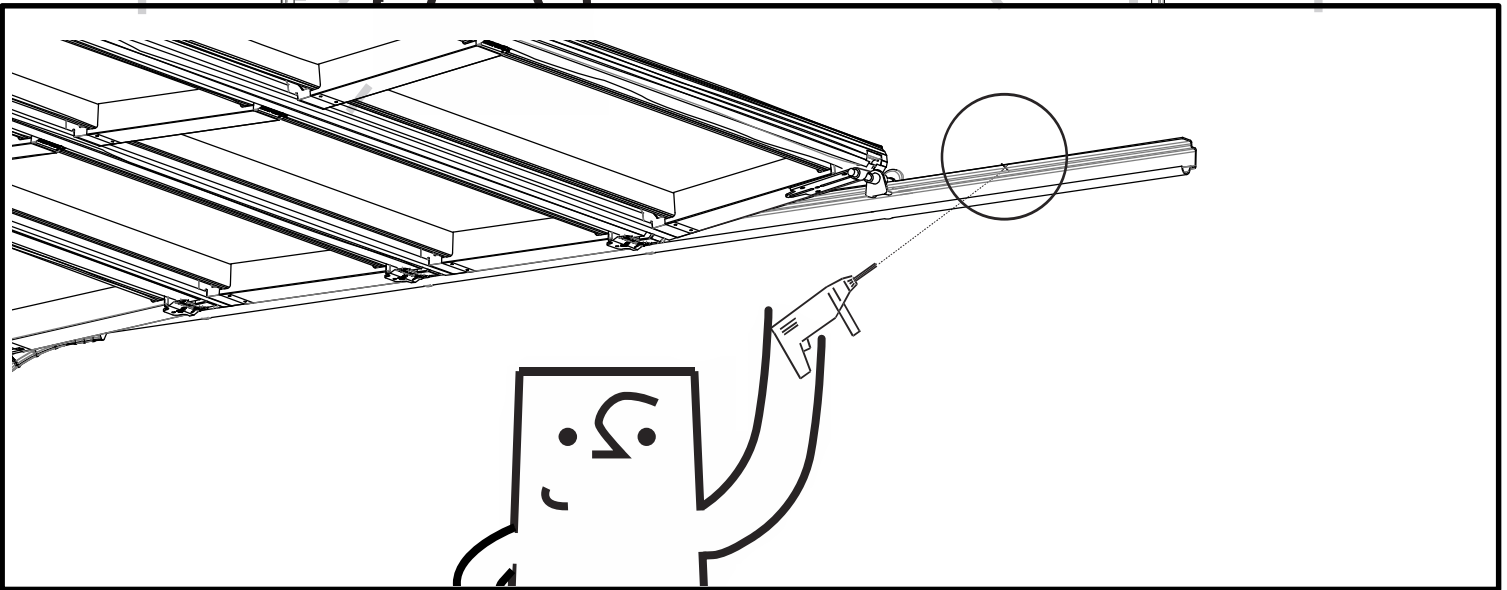
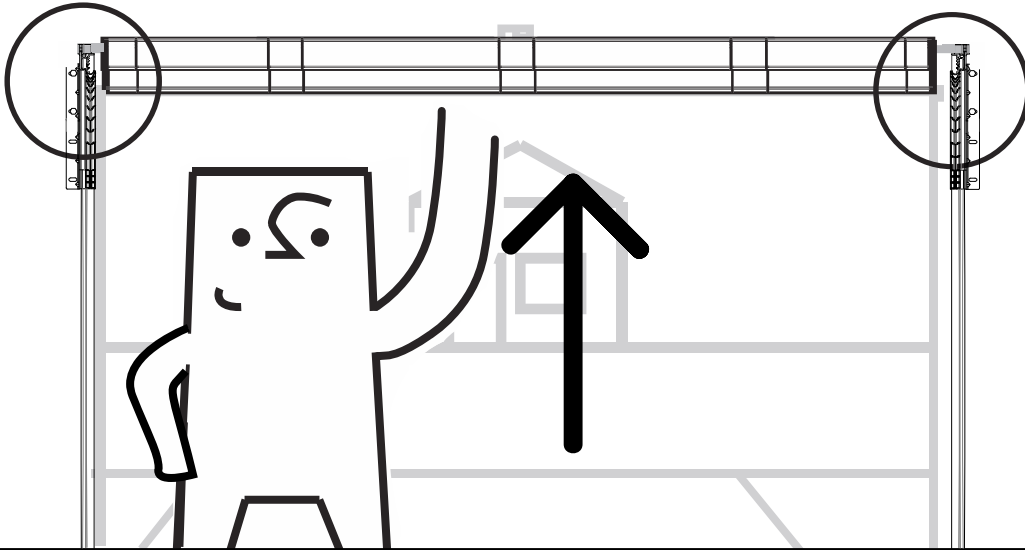


3



- 1. Apply suitable amount of tension based on door size
- 2. Check door for balance

STEP 19 Fit Safety Stop



GENERAL DOOR CHECKLIST

- Door Tracking**
Door remains centred in opening during operation
Door doesn't walk to one side

- Acceptable Gap Between door and wall**
Ensure gap between door and wall is constant and even

- Radius Curve level and plumb**
The door will track to one side if curve is not level

- Top bracket straight and square to the Radius Curve**

- Spring pole level**
Ensure Centre Bearing Bracket is level with curve mounts

- Tension correctly and door balanced**
In manual operation the door will remain open and not fall or rise
Be capable of lifting from the ground with one hand (less than 25 kg)

- Horizontals parallel**
Check roller travel in horizontals

- Door/Bottom panel level**
Bottom seal compresses evenly
Confirm with laser level

- Vertical Tracks plumb**
Gap between door and wall remains consistent

- Track stops correctly installed**
Ensure springs remain tensioned when door impacts manual stops
Spring should have minimum of 3/4 turns left when door reaches fully open position

- Springs, Hinges and Rollers lubricated**
Ensure springs, hinges and rollers are greased