

EXS 70



GLIDEROL

GARAGE DOORS



TENSION SPRING
INSTALLATION

EXS - 70



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1. Symbols

Danger



Attention



Additional manuals

2. General warnings

This manual has been prepared for use by qualified personnel and therefore not by trainees or “do it yourselves”

In case of doubt about the assembly and/or maintenance, please contact DOCO International

To avoid severe personal injury, carefully read and observe all indications and warnings in this manual.

- This manual describes the assembly, use and maintenance of your residential system /door EXS70; this may be supplemented by other

manuals, for instance the panel assembly manual and operator manual (if applicable.)

- This residential system has been designed in accordance with the latest European standards; however you have to check yourself

whether this standard corresponds with the local national standard.

- All measurements are in millimeters unless otherwise specified.

- After installation ensure that the CE marking label has been completed and attached.

- Keep this manual in a safe place.

- Subject to technical changes, without written notice.

2.1 Safety requirements for assembly and first use.

- This residential system may only be mounted, connected and put into operation by qualified personnel.

- Make sure that the power is switched off and remains switched off while electrical work is carried out!

- Never bridge safety devices !

- Adding or leaving out parts can affect the door operation in a negative way and therefore the safety of the installed sectional door. This is therefore strongly discouraged!

- Some parts can contain sharp edges: use protective gloves.

- All references to the door/component handing within this manual is always as viewed from inside looking out.

- Never use the sectional door in case of visual damage on the safety devices.

- When performing assembly/maintenance, always wear at least gloves and safety boots and during drilling/cutting wear safety goggles!

- Make sure that you can always perform your work in a stable environment.

- Secure the assembly/maintenance site with safety ribbon to keep others (children!) at a distance.

- Maintenance must only be performed by a qualified company and/or qualified personnel.

- Make sure there is enough light.

- Only use appropriate tools.

3. Terms and conditions

Our general conditions of delivery and payments are applicable on all our offers, agreements or subsequent revisions.

A copy of our terms and conditions are available on request or can be downloaded from our website: www.doco-international.com.

4. Area of application

This hardware set has been developed for installation in garages in the private sector

- Maximum width 3000 mm

- Maximum height 2500 mm

- Weight door leaf maximum 100 kg

- Maximum temperature range outside* : -20 degr until + 50 degr C

- Relative humidity 20 – 90%

- Lifetime : 15.000 cycles.

* big differences in temperature between the inside and outside can cause deflection in the panel leafs (bi-metal effect). In particular dark

coloured panels are susceptible to this problem and should be avoided. Care should be taken during manual handling as there is a big risk of

damage.

5. Guidelines



DOCO International had carried out the "Product Test" of this door (Initial Type Testing = ITT) by the SP institute in Sweden, known as Notified Body No. 0402.

Documents regarding this ITT can, in consultation with DOCO, be transferred to the company which produces the door. This is necessary to complete a CE-dossier.

NOTE: CE-approved only using the correct DOCO-components.



It is the responsibility of the installation company to ensure that the chosen E-operator and panel conform to product standard EN13241-1 and have carried out the necessary ITT.

If a wicket door is to be installed, it is the responsibility of the installation company to ensure that the complete door conforms to the product standard EN13241-1 and have carried out the necessary ITT.

6. Fixing material building



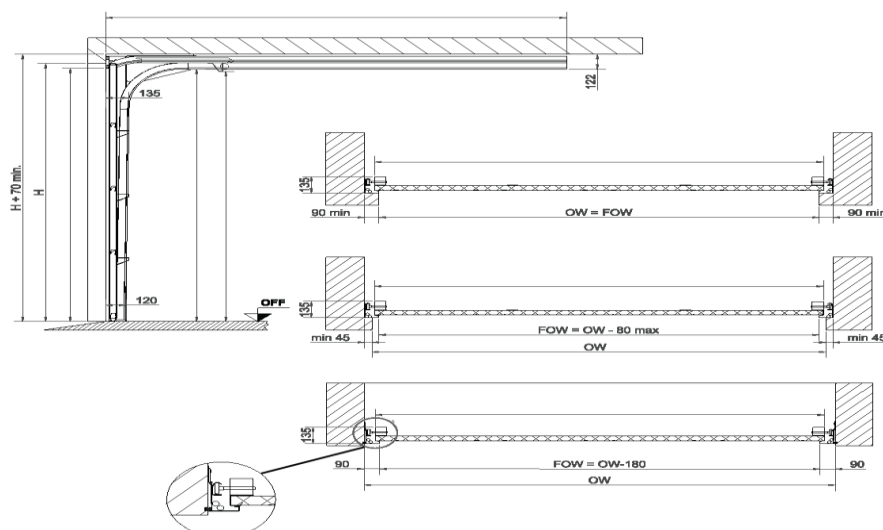
The necessary fixings to ensure the garage door to the building and/or ceiling, are not included!

It is the responsibility of the installer to make sure that the building structure is safe/strong enough, to accept the door and its fixings. The installer is also responsible for using the correct fixing materials on the right foundation (stone, concrete, steel, wood). In the image section there will be therefore no specification included.

Please Note ETC Top hat

7. Tools required for installation

- Laser level and/or spirit level
- Portable drill
- Power drill or similar
- Hacksaw
- 2/4mm allen keys
- 10/13mm spanner/socket
- Stillsons
- Mole grips
- Tension pin (not supplied)
- 10 hex driver
- 4,5 steel drill
- 16.5 mm spacer blocks (supplied)
- Wall fixings (not supplied)
- Cable cutters
- 5/6 Hex head socket / tech bir
- Ph2 Phillips screwdriver



Panelglide Tension Side Spring Component Box (115955)



Item A
14019 x 100
Self drilling screw 6.3 x 16mm



Item B
14022 x 30
Nut with lock serration



Item D
14027 x 4
Self drilling screw 6.3 x 35mm



Item E
14024 x 26
Lock bolt M8 x 10.5mm



Item E1
14023 x 4
Lock bolt M8 x 17mm



Item F
24622 x 10
Bracket with angle 55mm x 35mm



Item G
24624 x 1
Front header centre fixing bracket



Item H
24801 x 4
Track installation bracket



Item I
24803 x 4
Installation bracket



Item T
25052 x 1 pair
Bottom corner bracket



Item U
25008.1 x 8
Roller



Item V
25334 x 6
Side hinge with roller carrier



Item W
25333 x 6
Intermediate hinge



Item Y
250001 x 8
Finger Guard



Item Z
25325 x 2
Rubber track stopper



Item A1
25403 x 1
Plastic pull handle



Item I
14005 x 2
M10x38mm bolts



Item O
14008 x 2
M10 nuts



Item AA
115001 x 1
Pulley bracket left



Item BB
115002 x 1
Pulley bracket right



Item CC
115003 x 1
Upper pulley left



Item DD
115004 x 1
Upper pulley right



Item EE
115006 x 2
Spring tensioner



Item FF
115007 x 2
Return pulleys



Item GG
115008 x 1
Adjustable top roller left



Item HH
115009 x 1
Adjustable top roller right

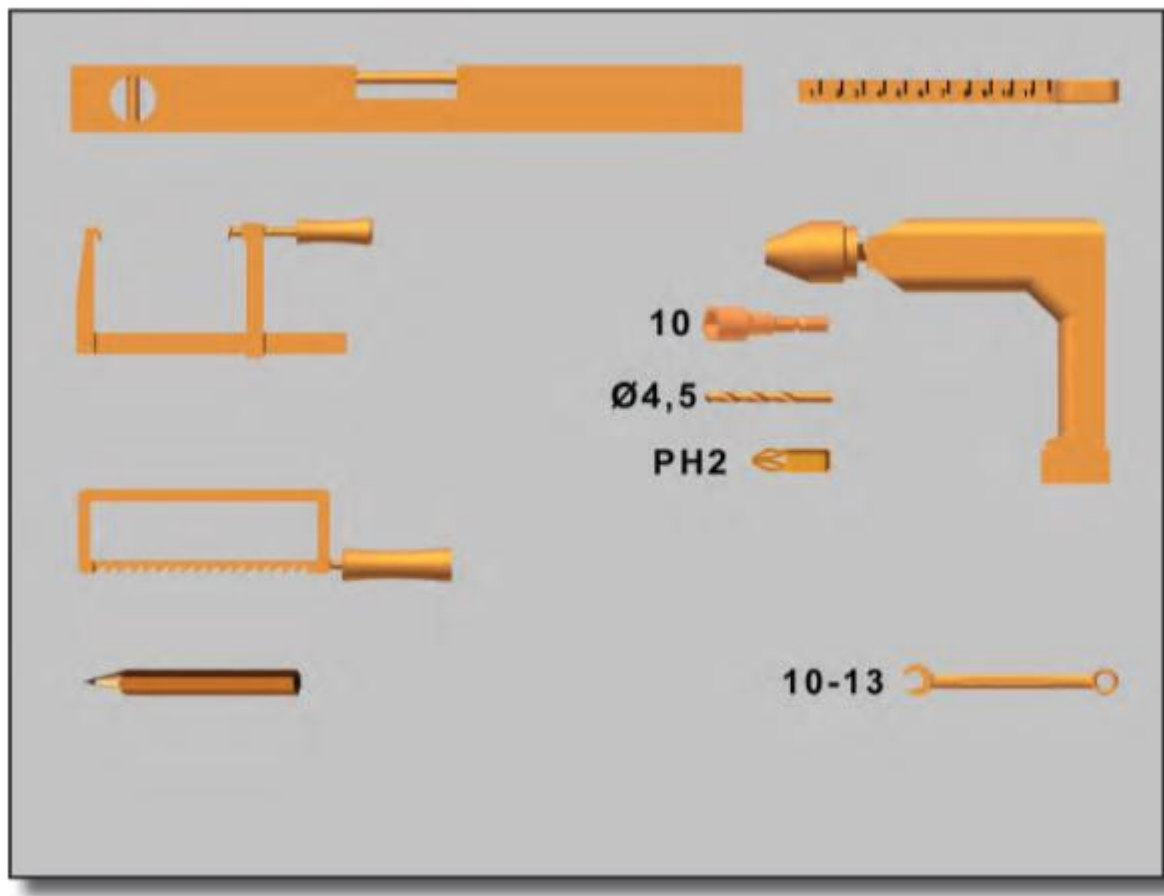


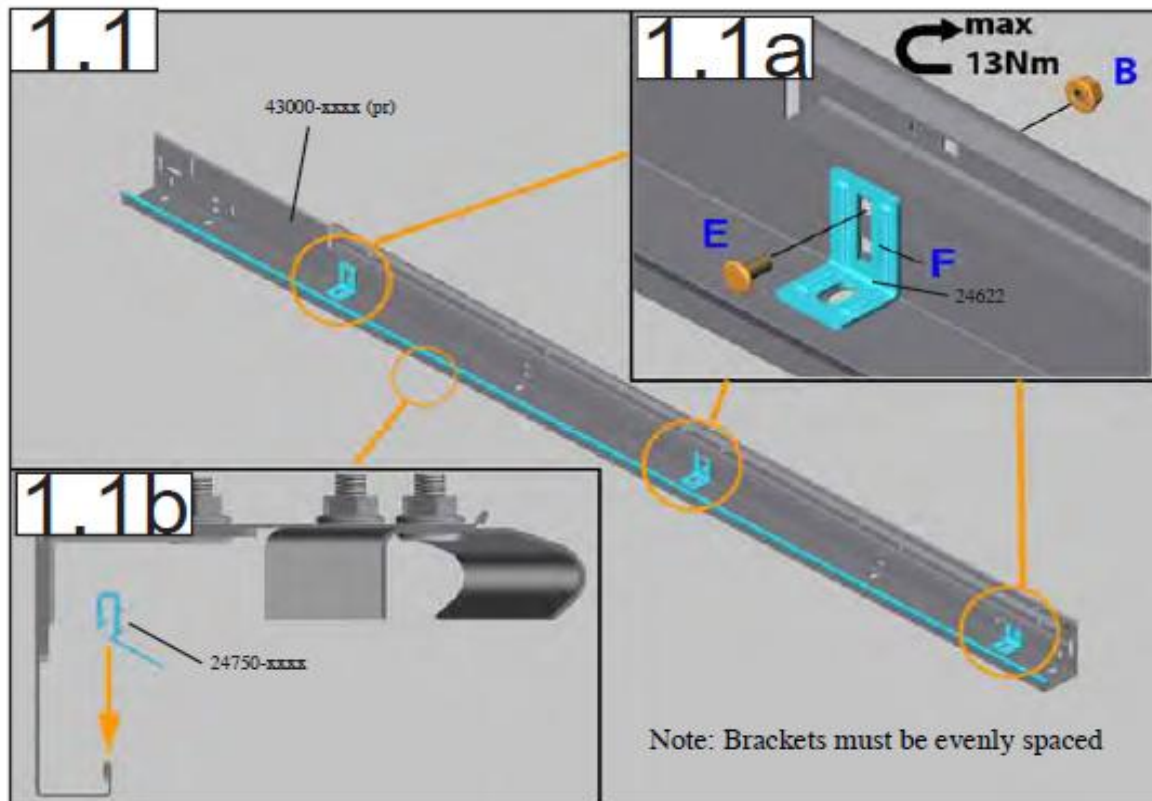
Item JJ
115011 x 2
Tension Compensator

Items KK,LL,MM
25630 x 8
25631 x 4
25632 x 4
Distance rings

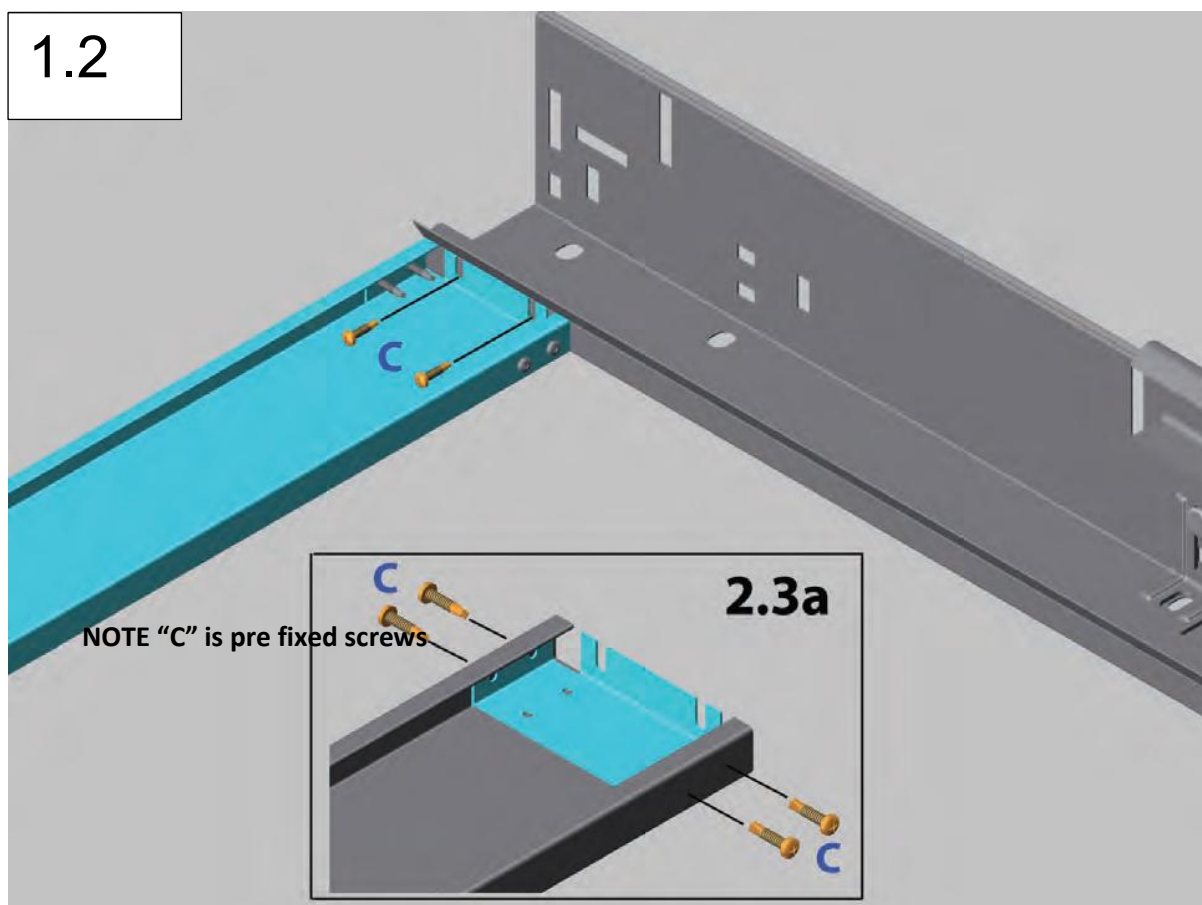


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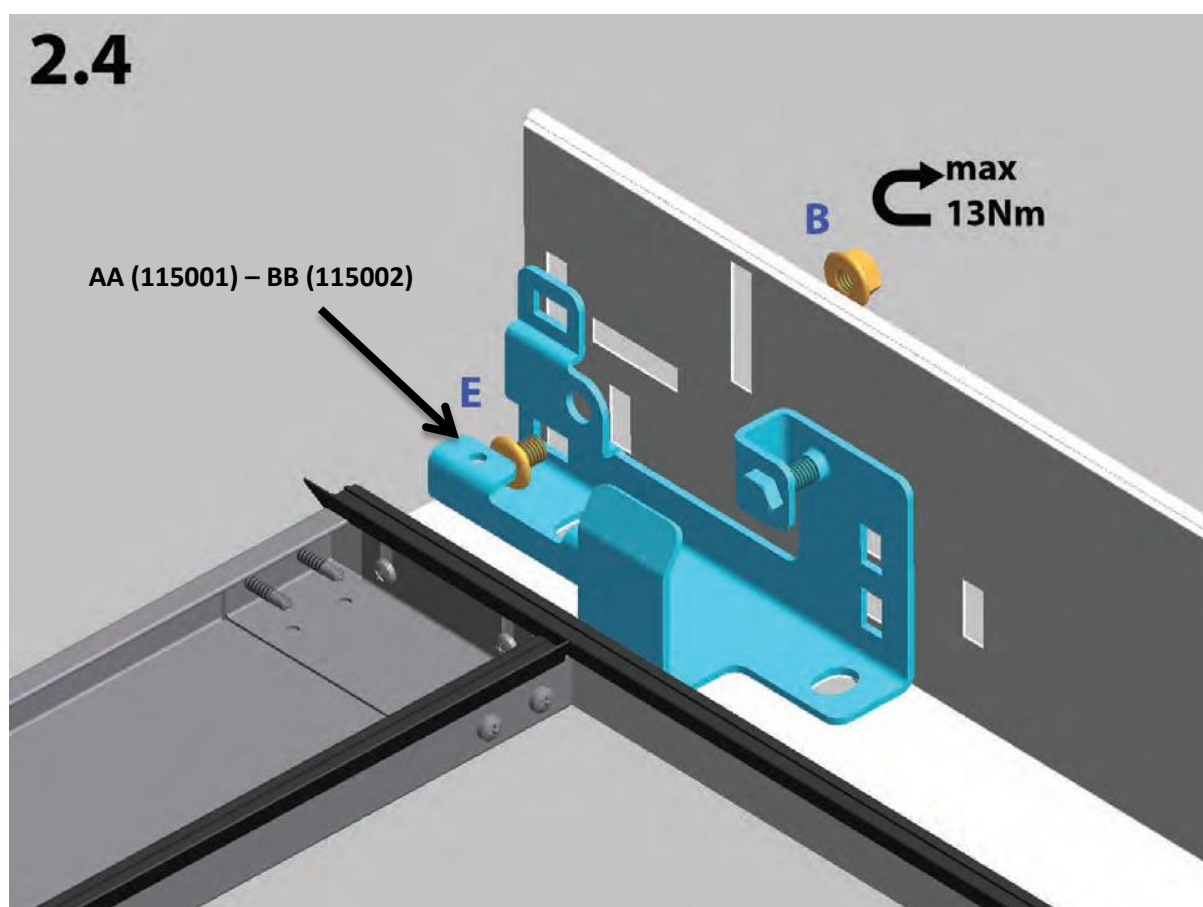


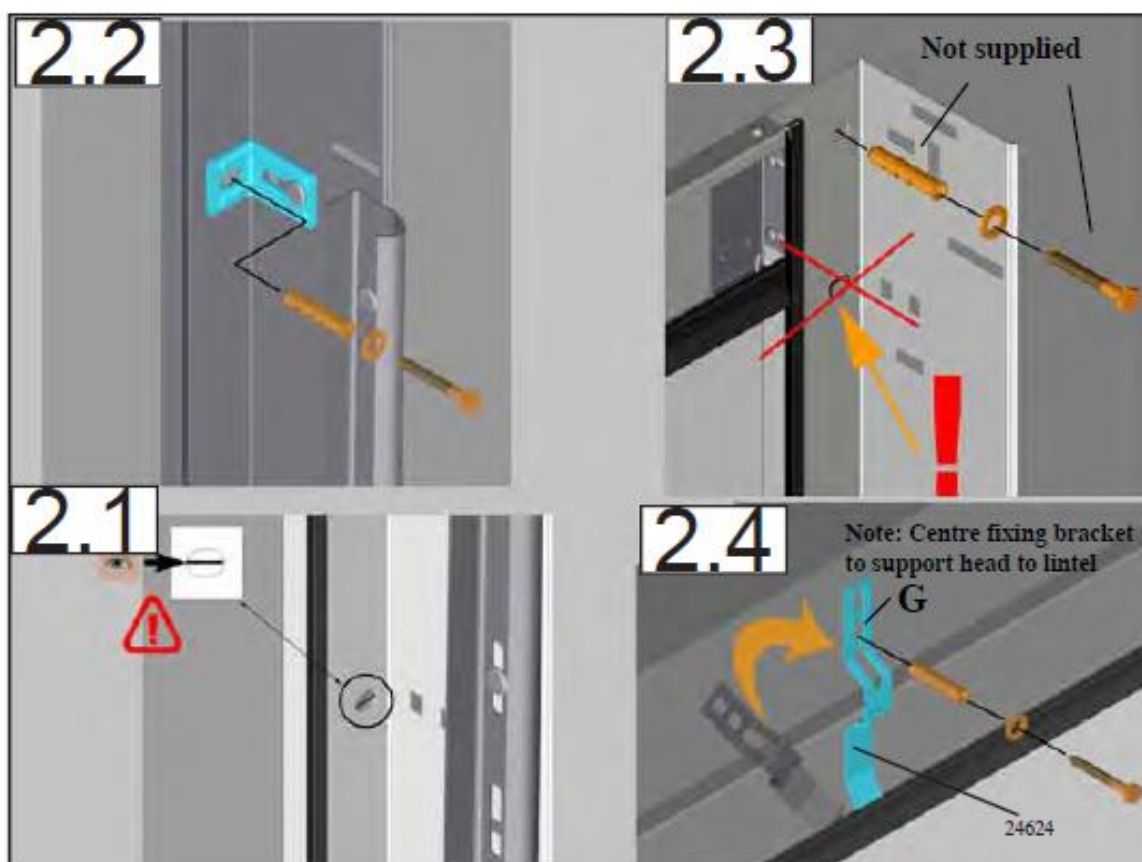
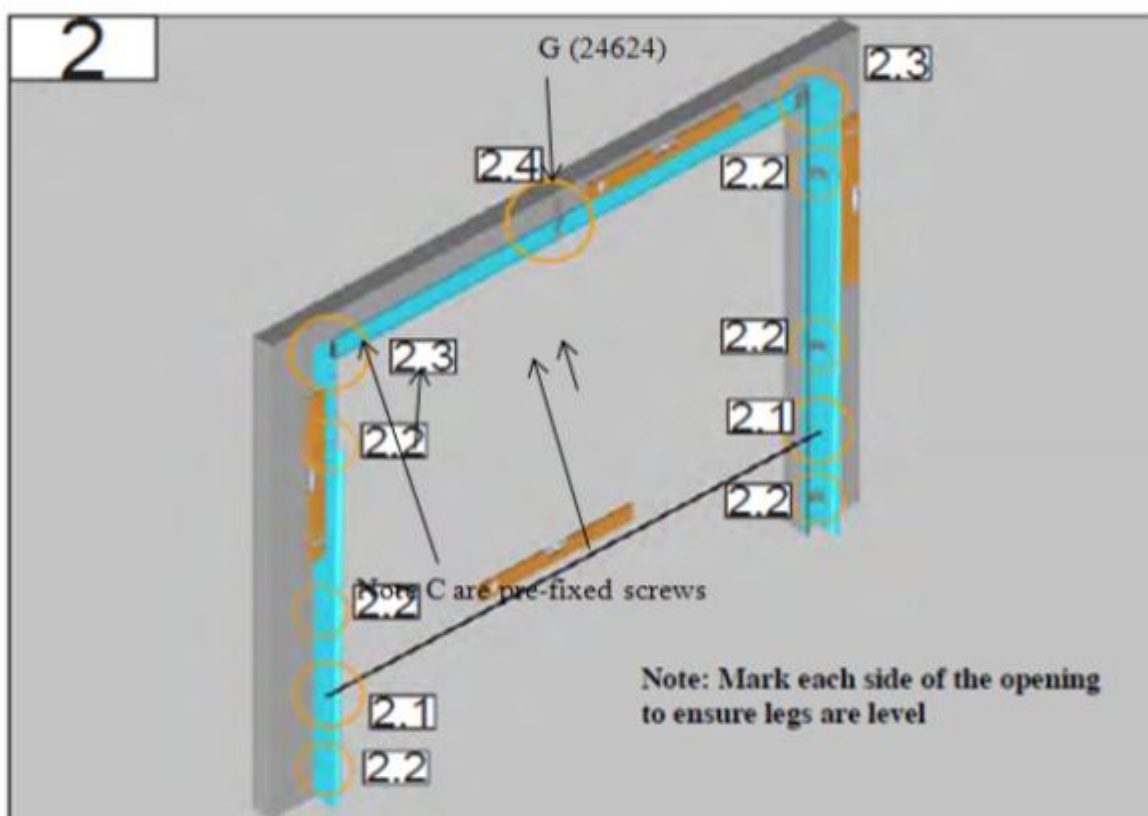


1.2



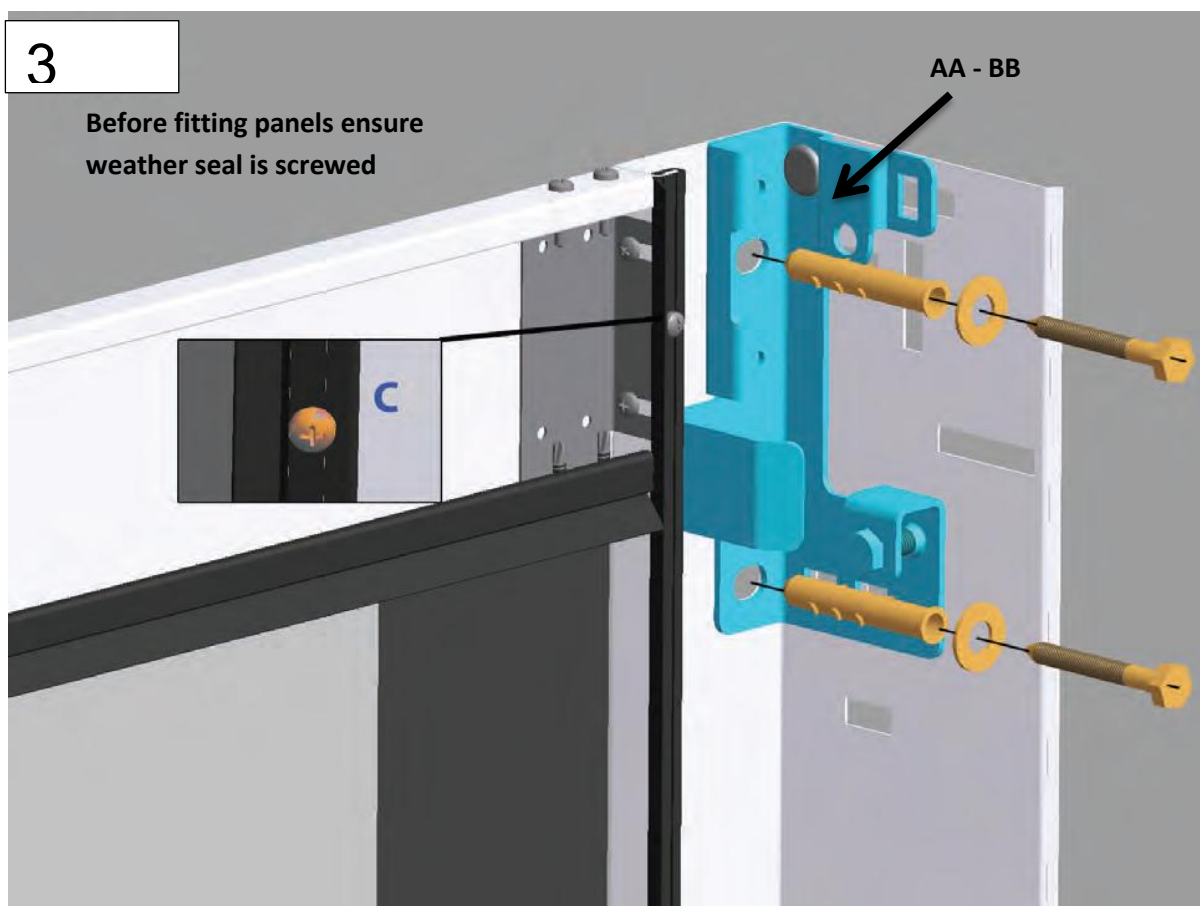
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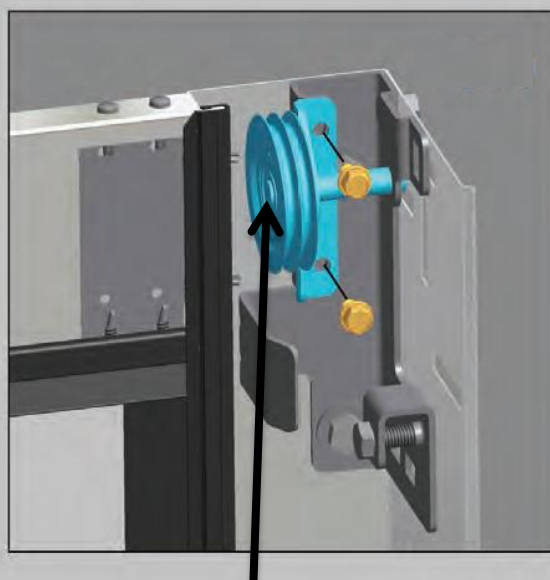


3

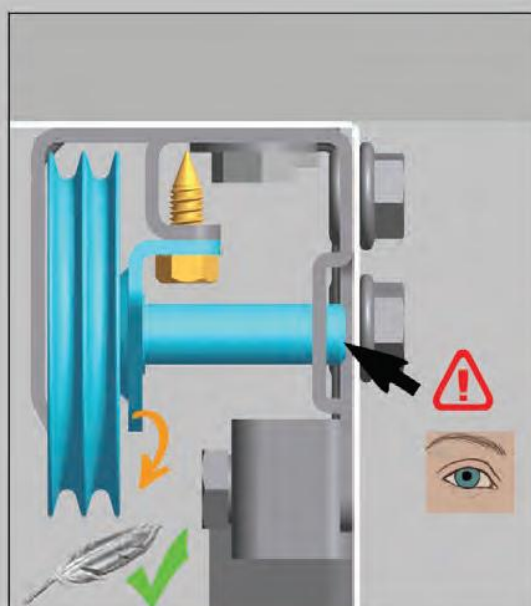
Before fitting panels ensure
weather seal is screwed



3.3b

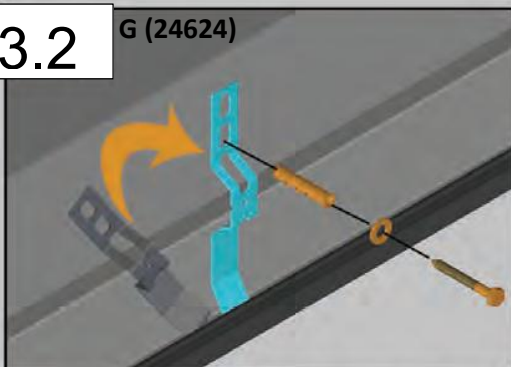


CC (115003) – DD (115004)



3.2

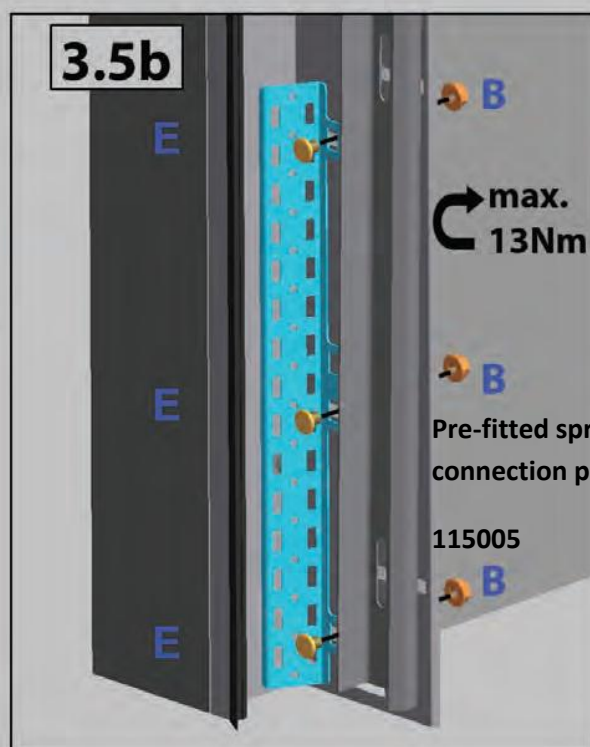
G (24624)



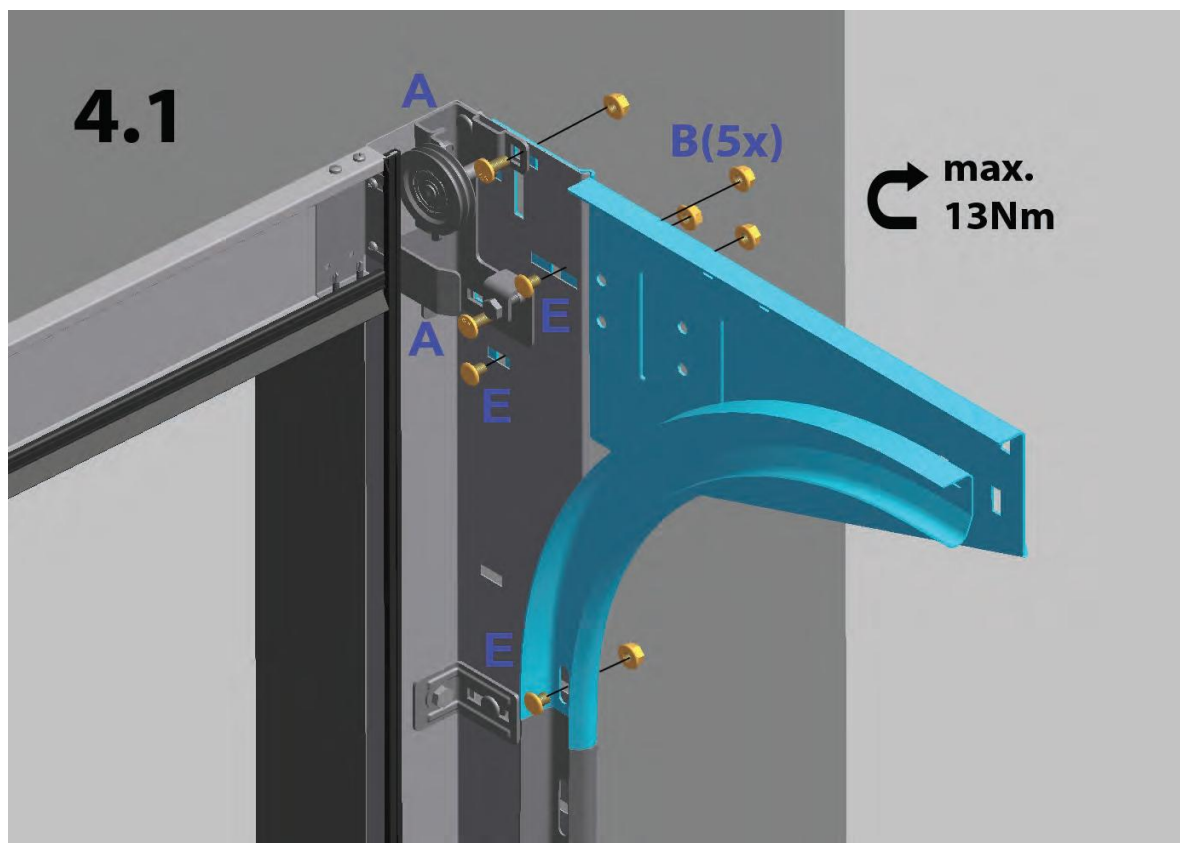
3.3



3.5b

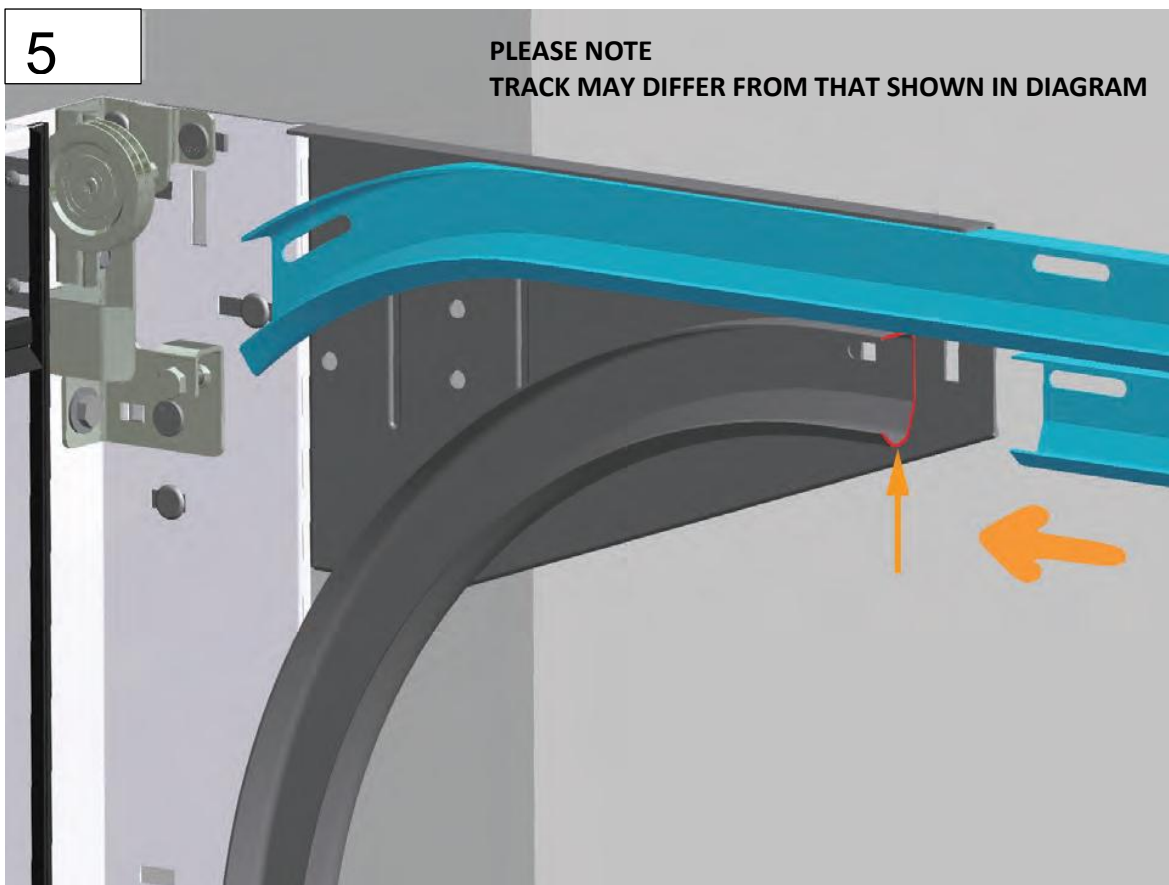


4.1

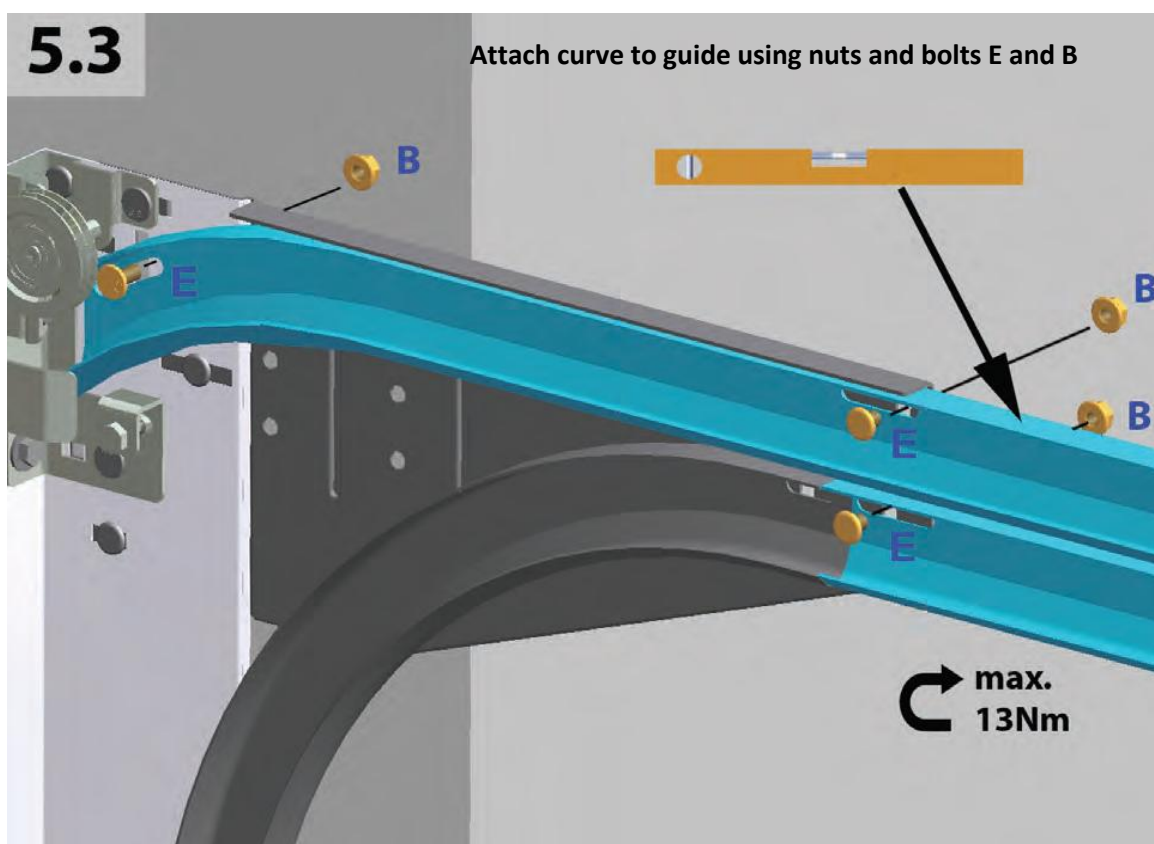


5

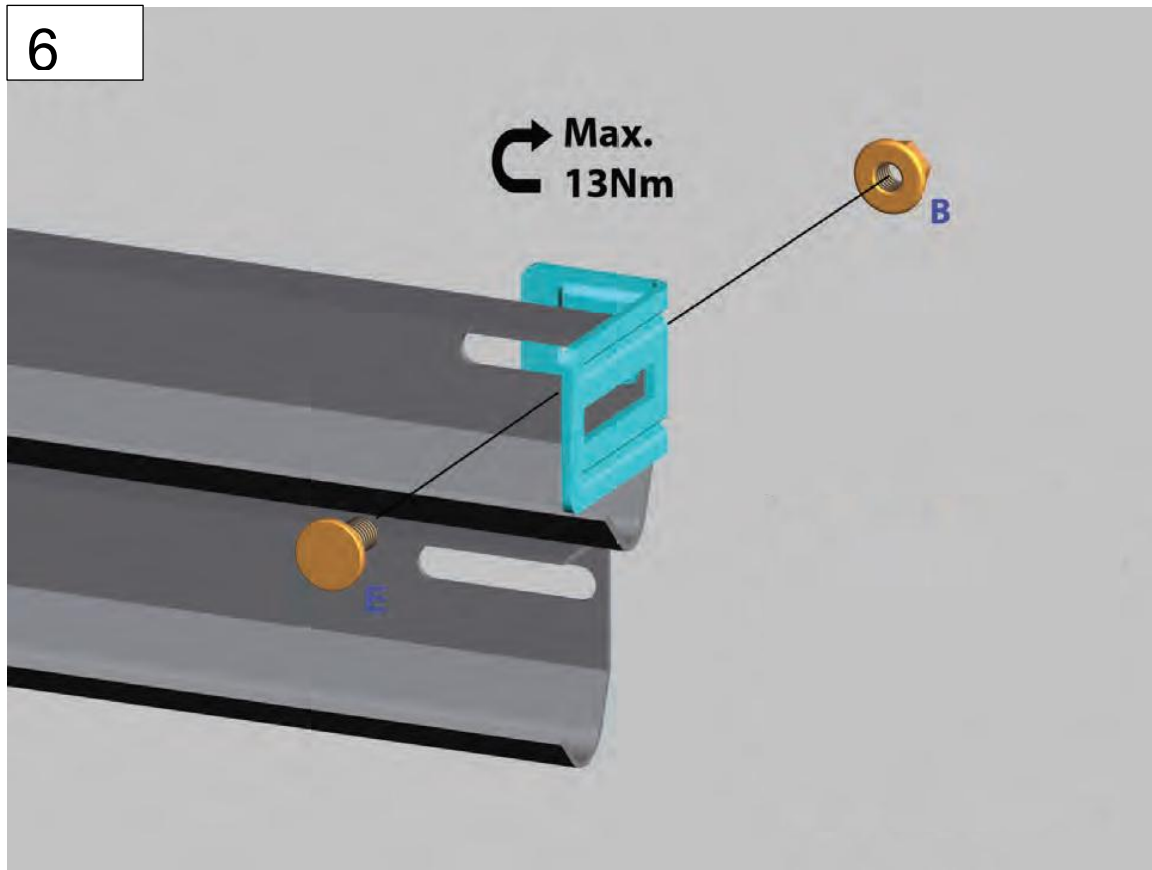
PLEASE NOTE
TRACK MAY DIFFER FROM THAT SHOWN IN DIAGRAM

**5.3**

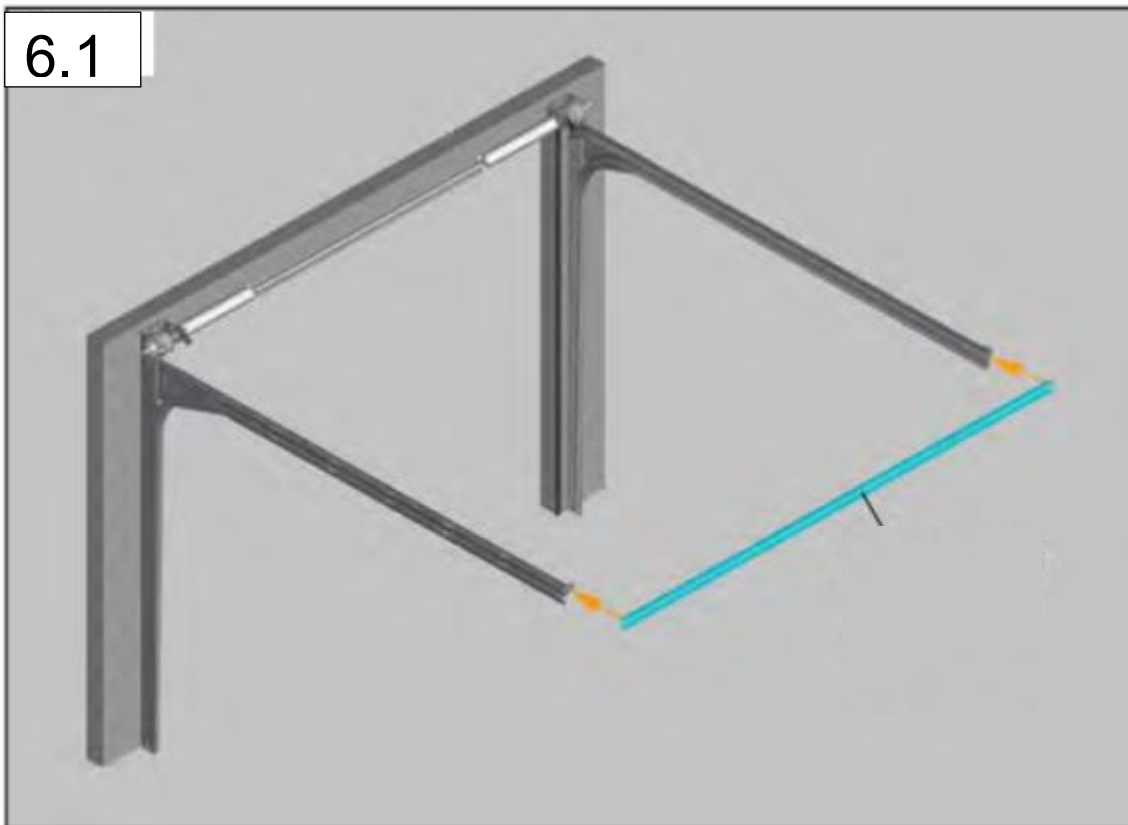
Attach curve to guide using nuts and bolts E and B



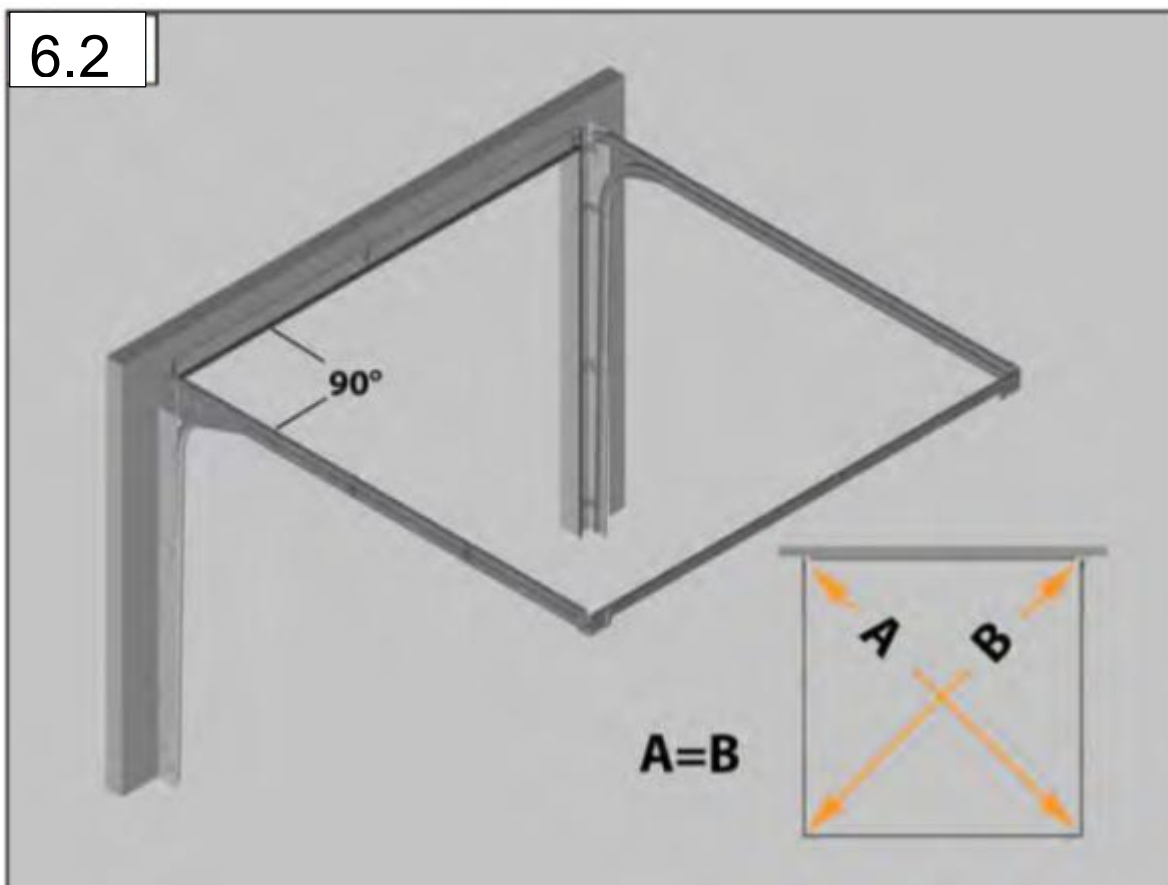
6



6.1

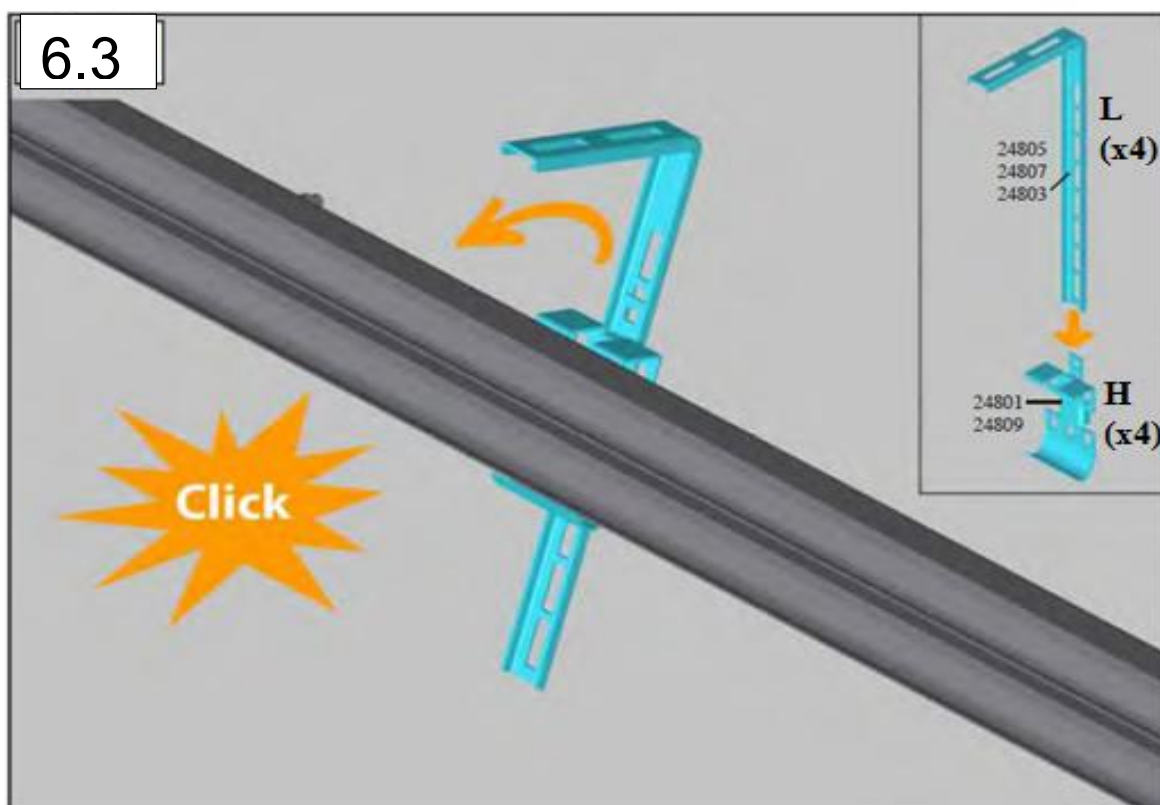


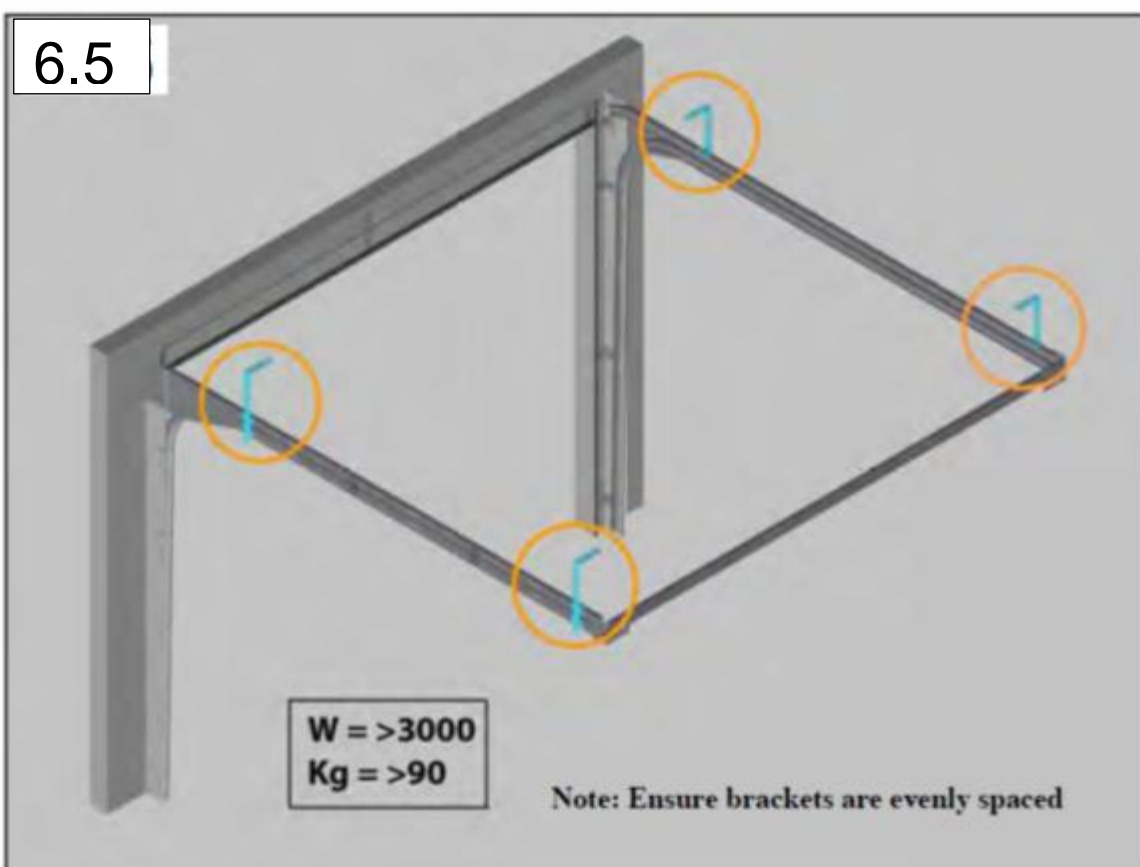
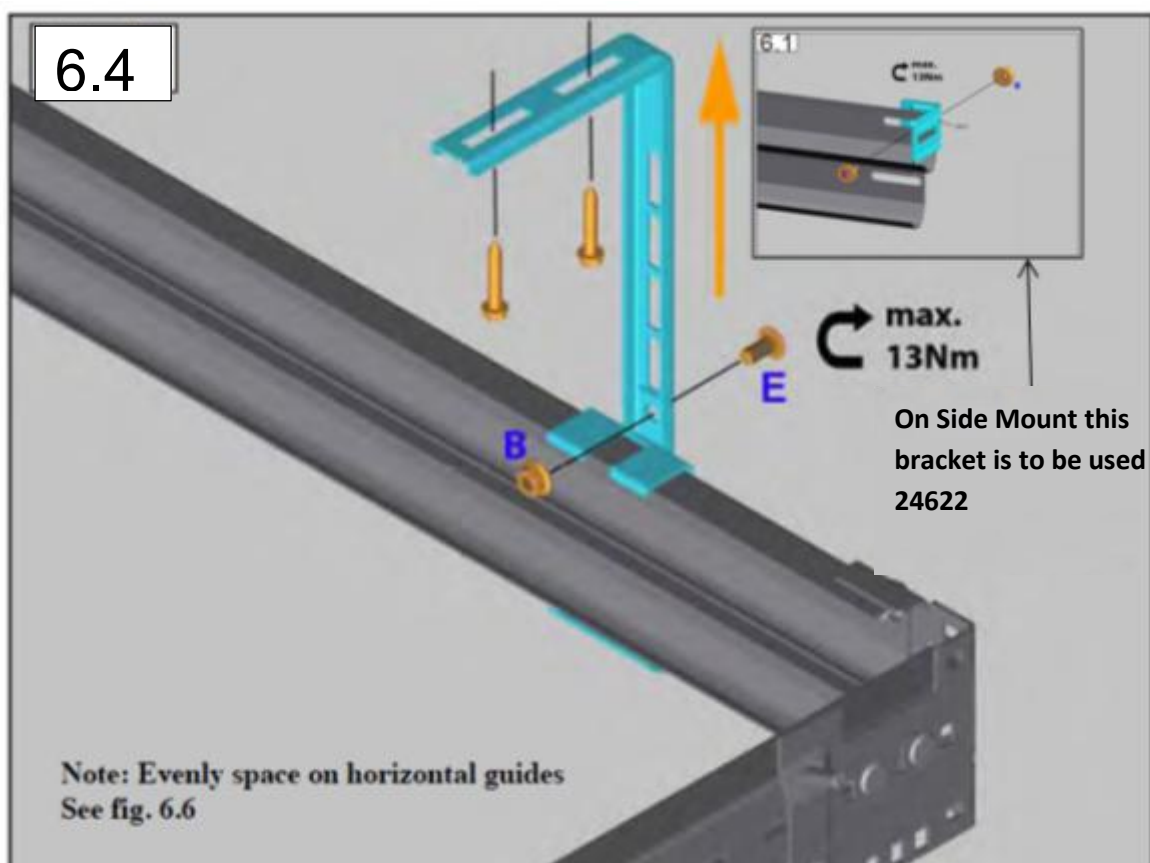
6.2

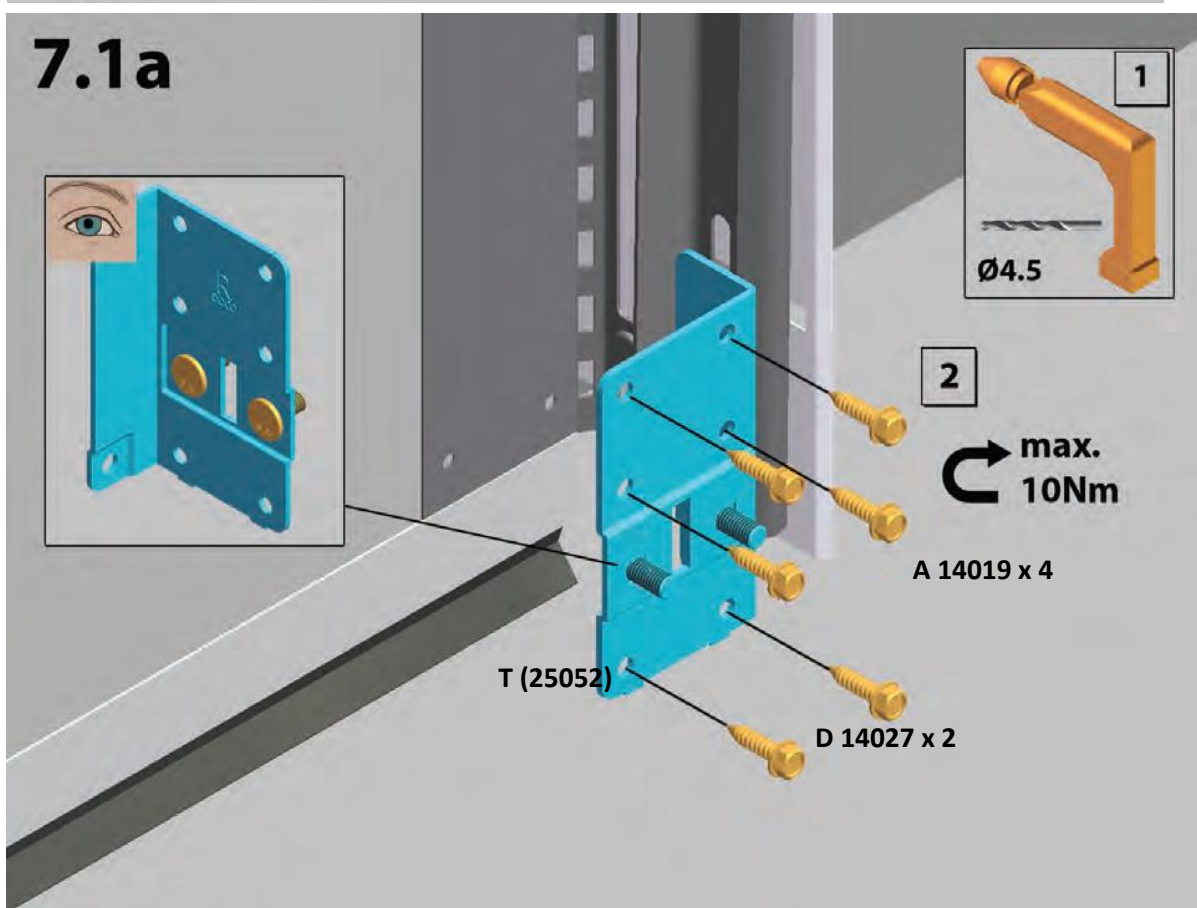
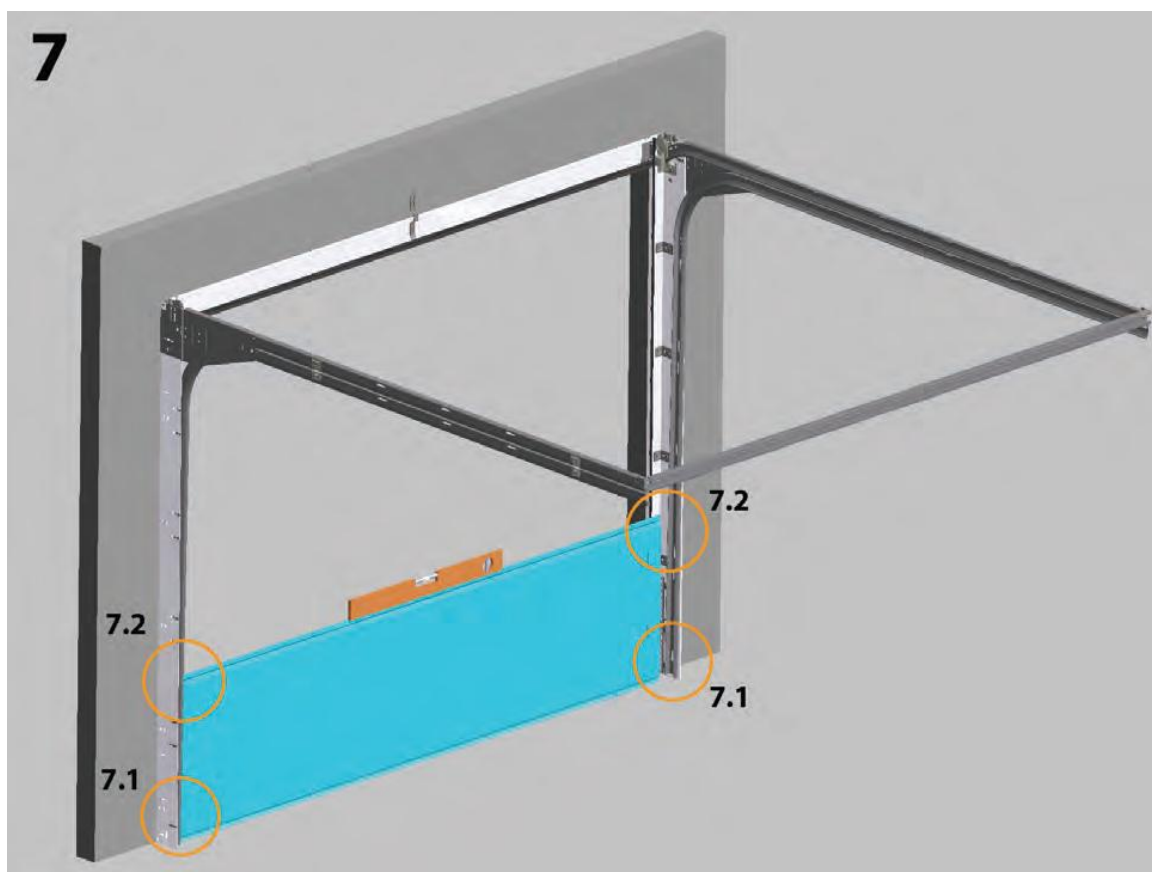


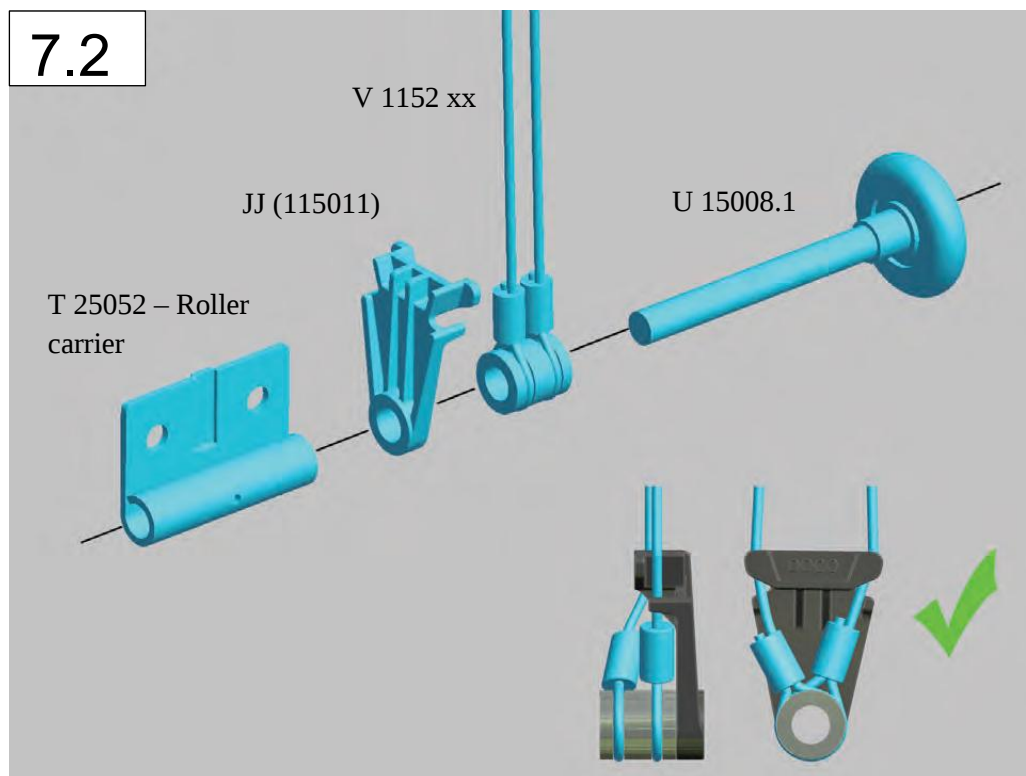
NOTE: Ensure diagonal dimensions ($A=B$) are exactly square and corners are 90 degrees

6.3



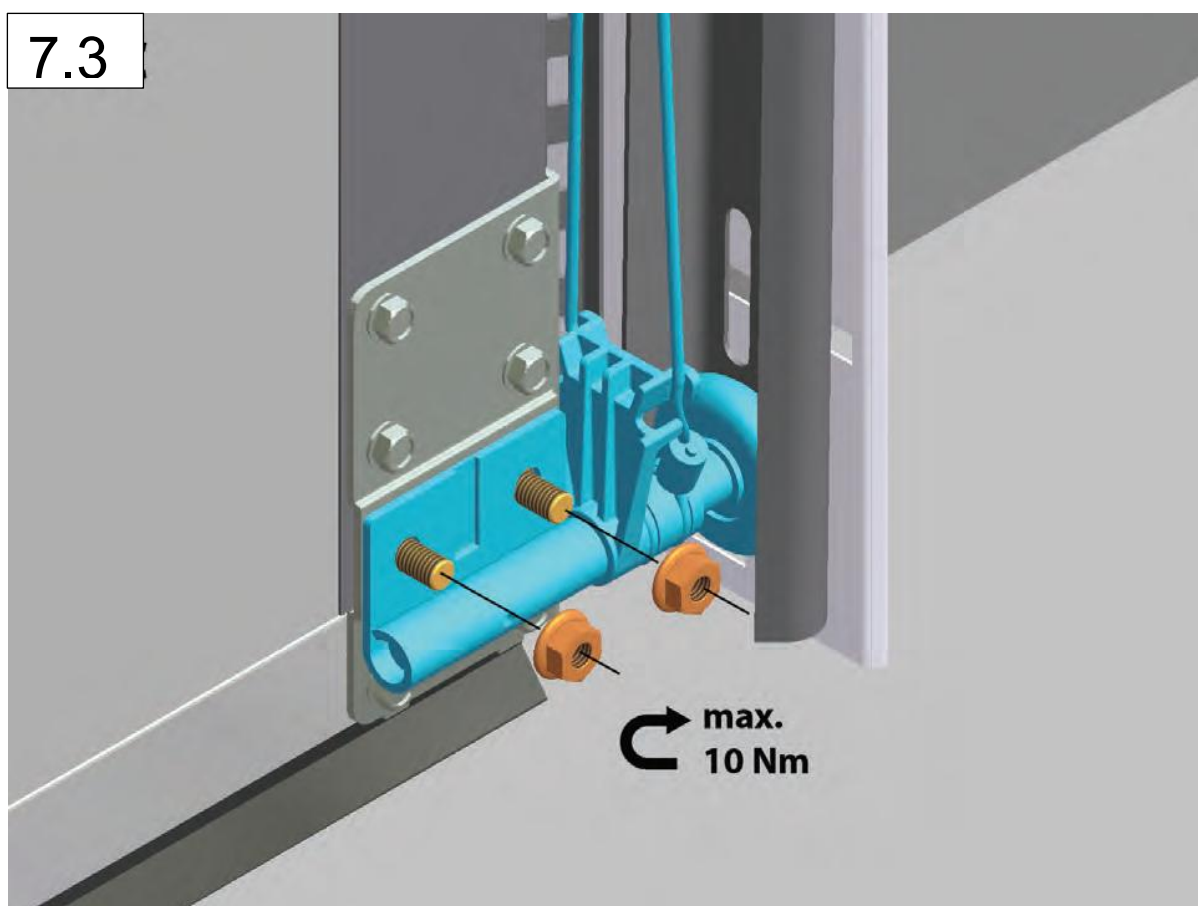


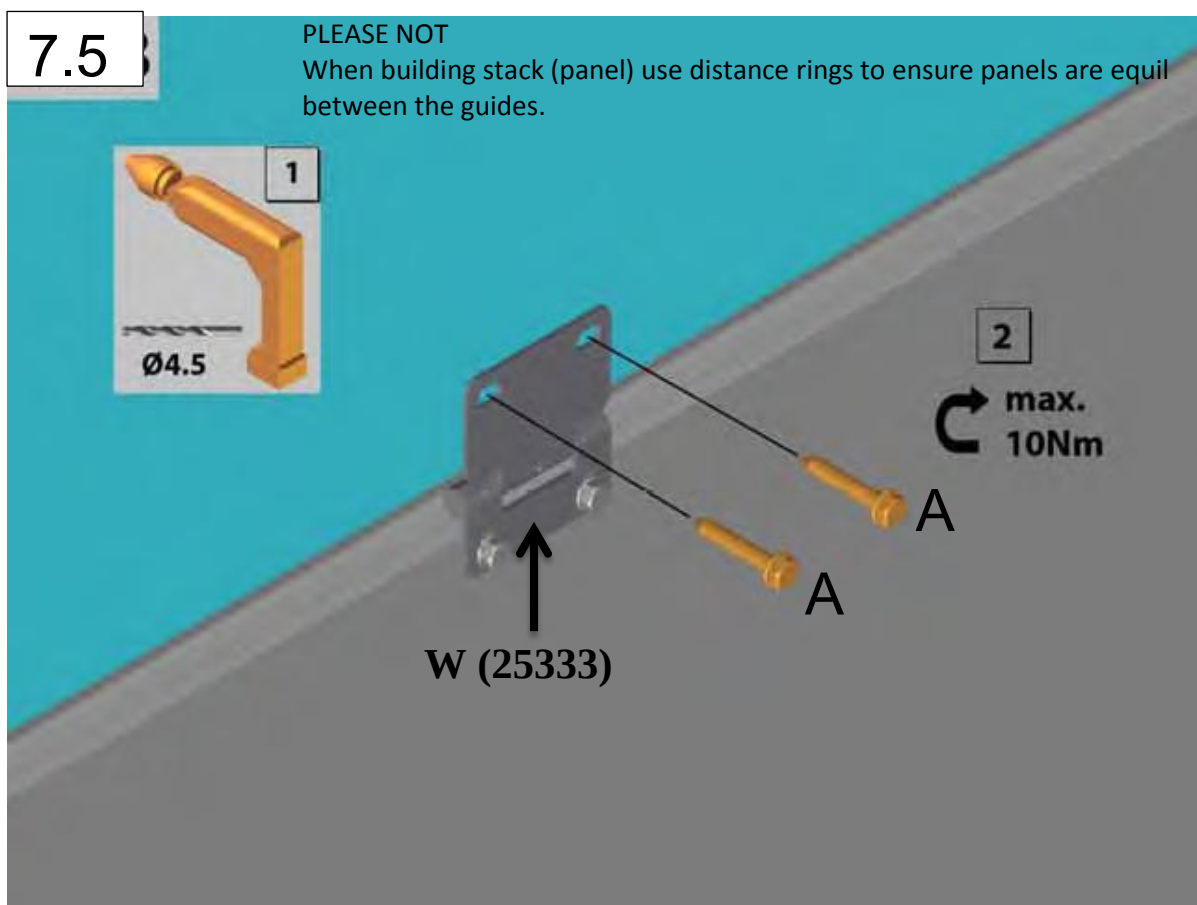
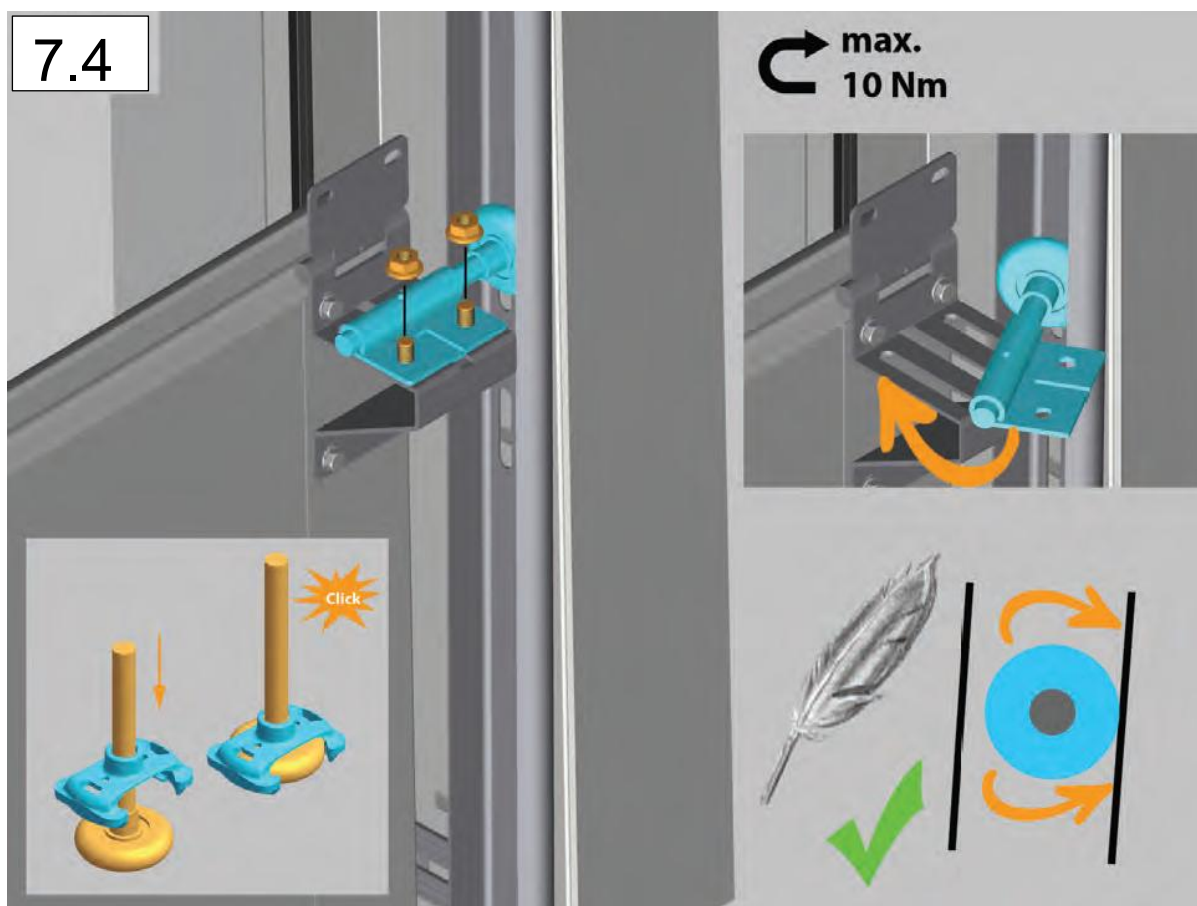




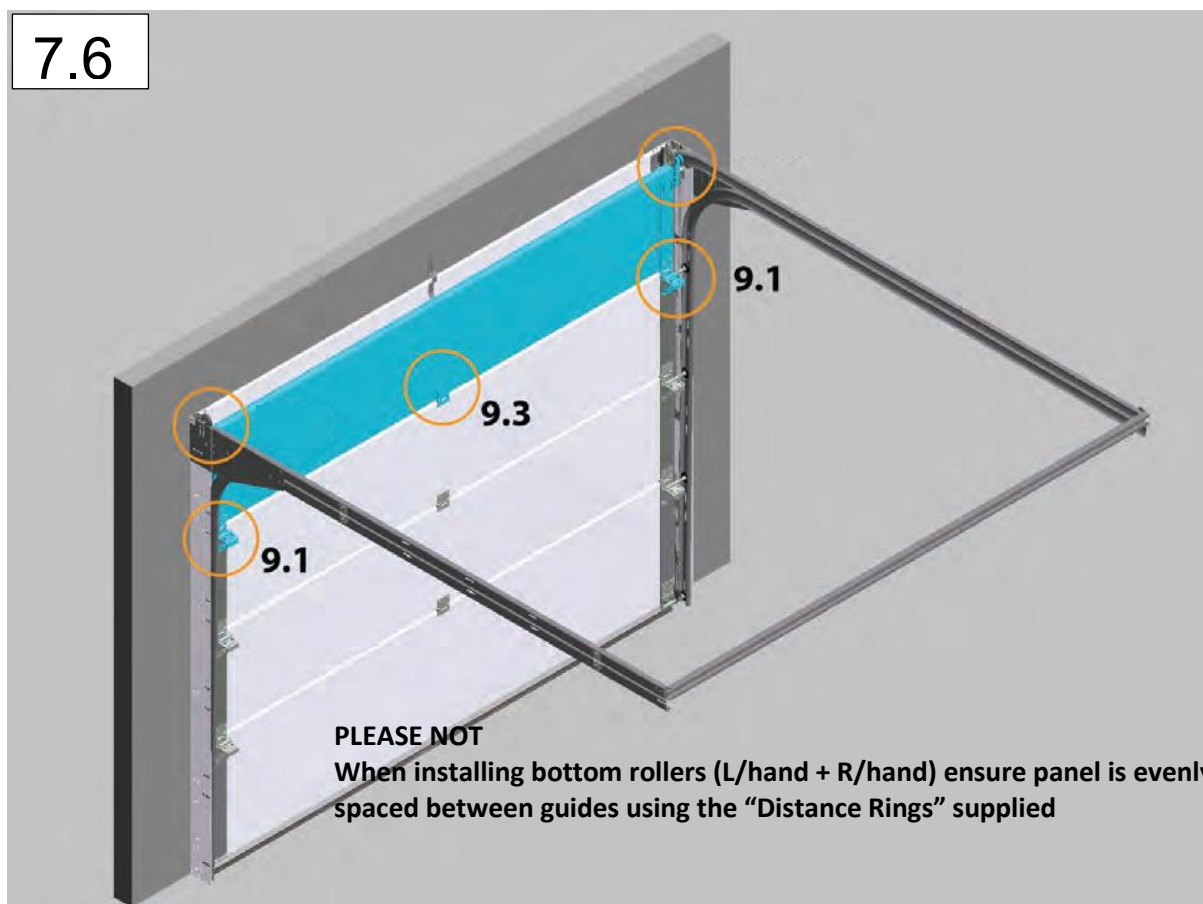
PLEASE NOT

When installing bottom rollers (L/hand + R/hand) ensure panel is evenly spaced between guides using the “Distance Rings” supplied

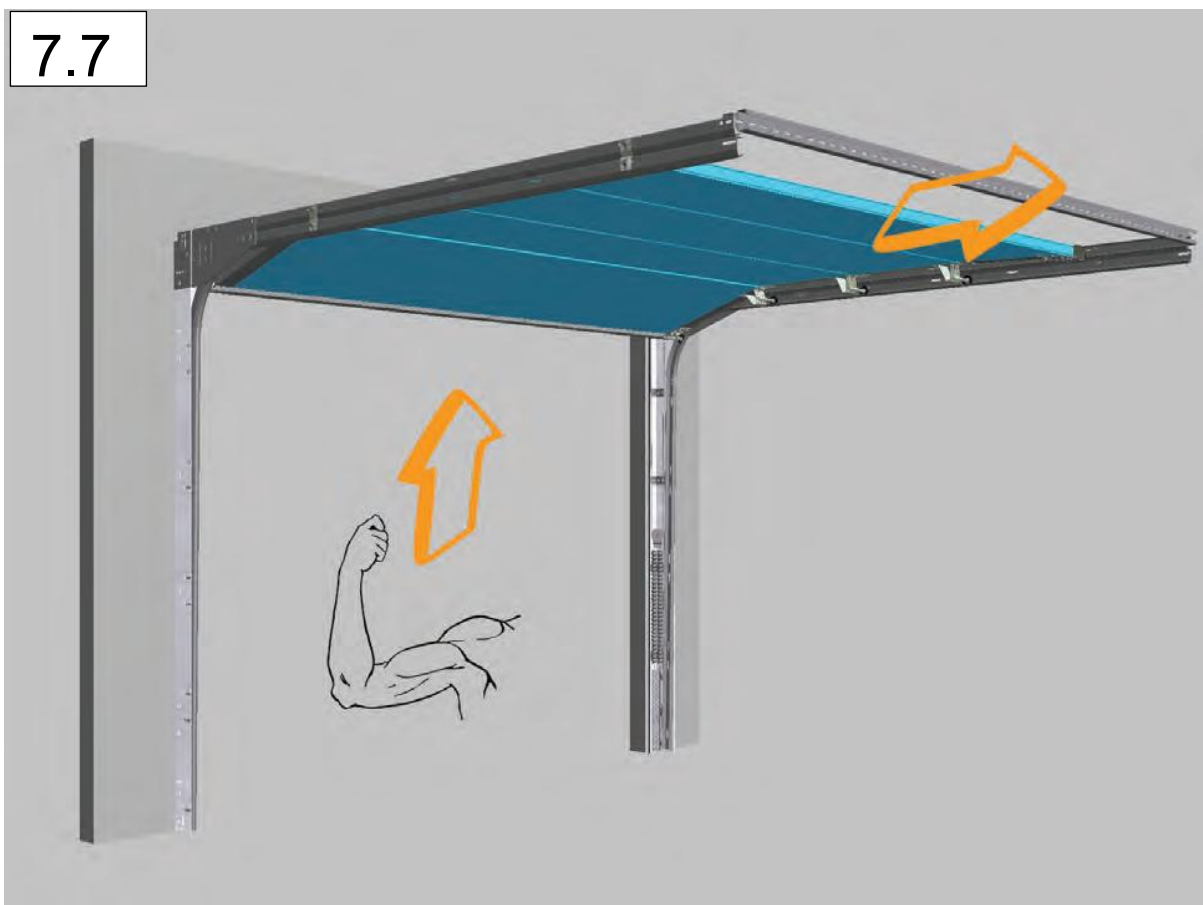




7.6



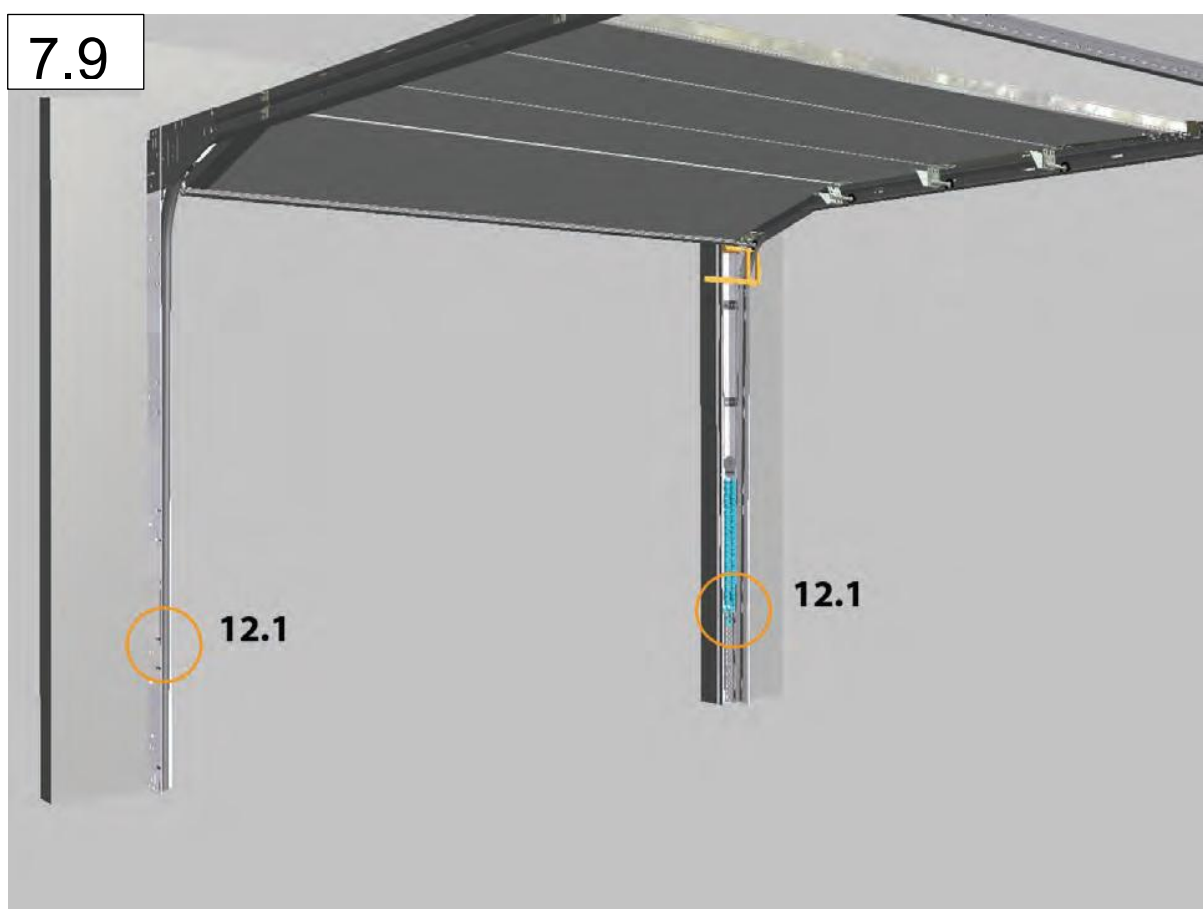
7.7

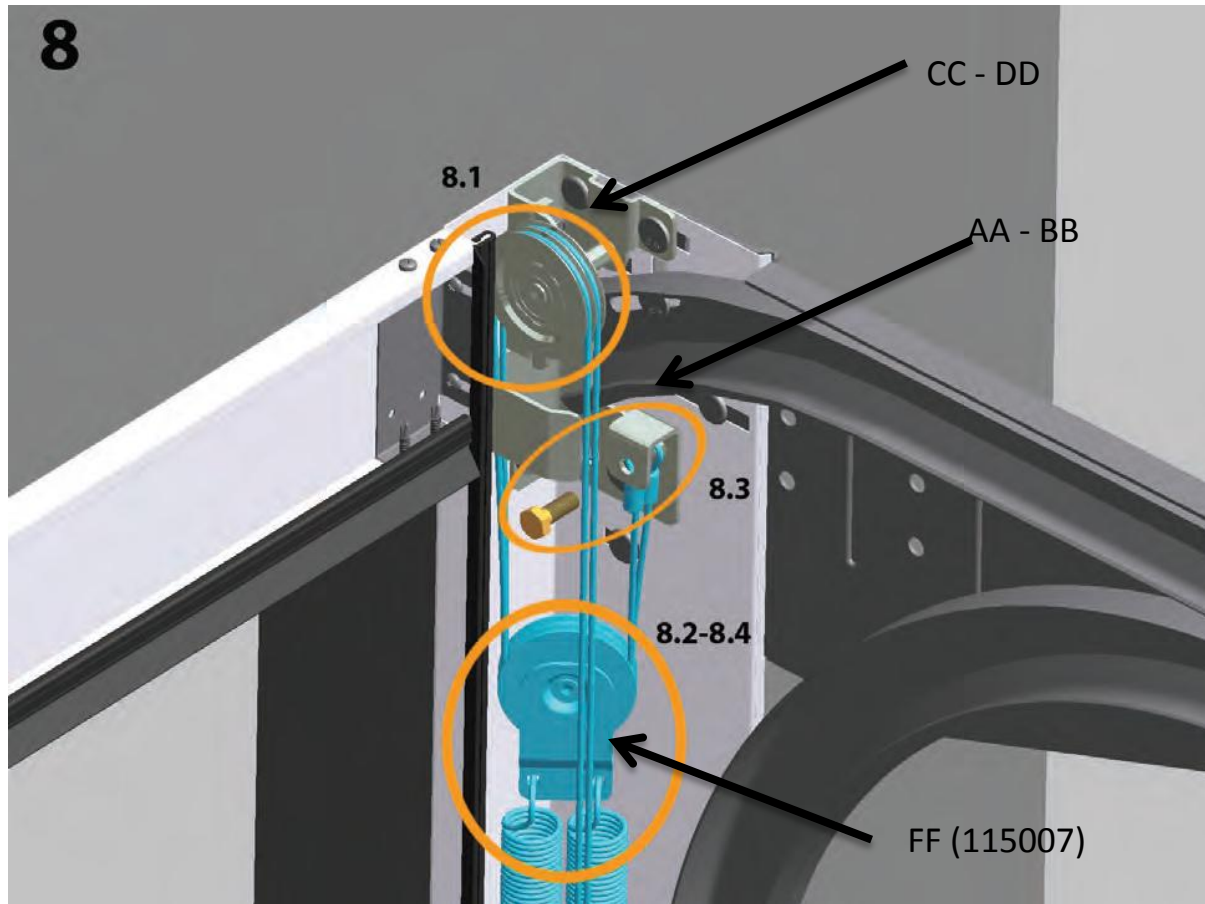


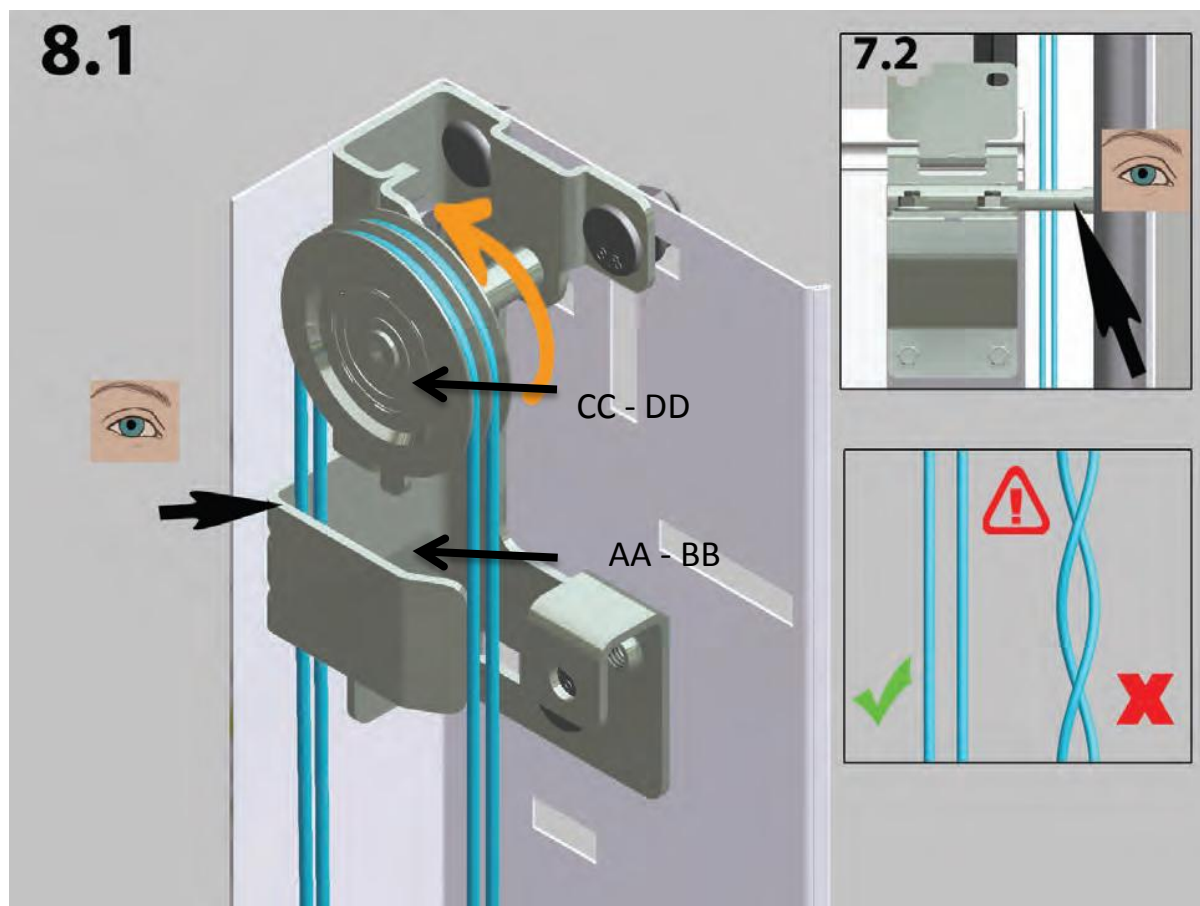
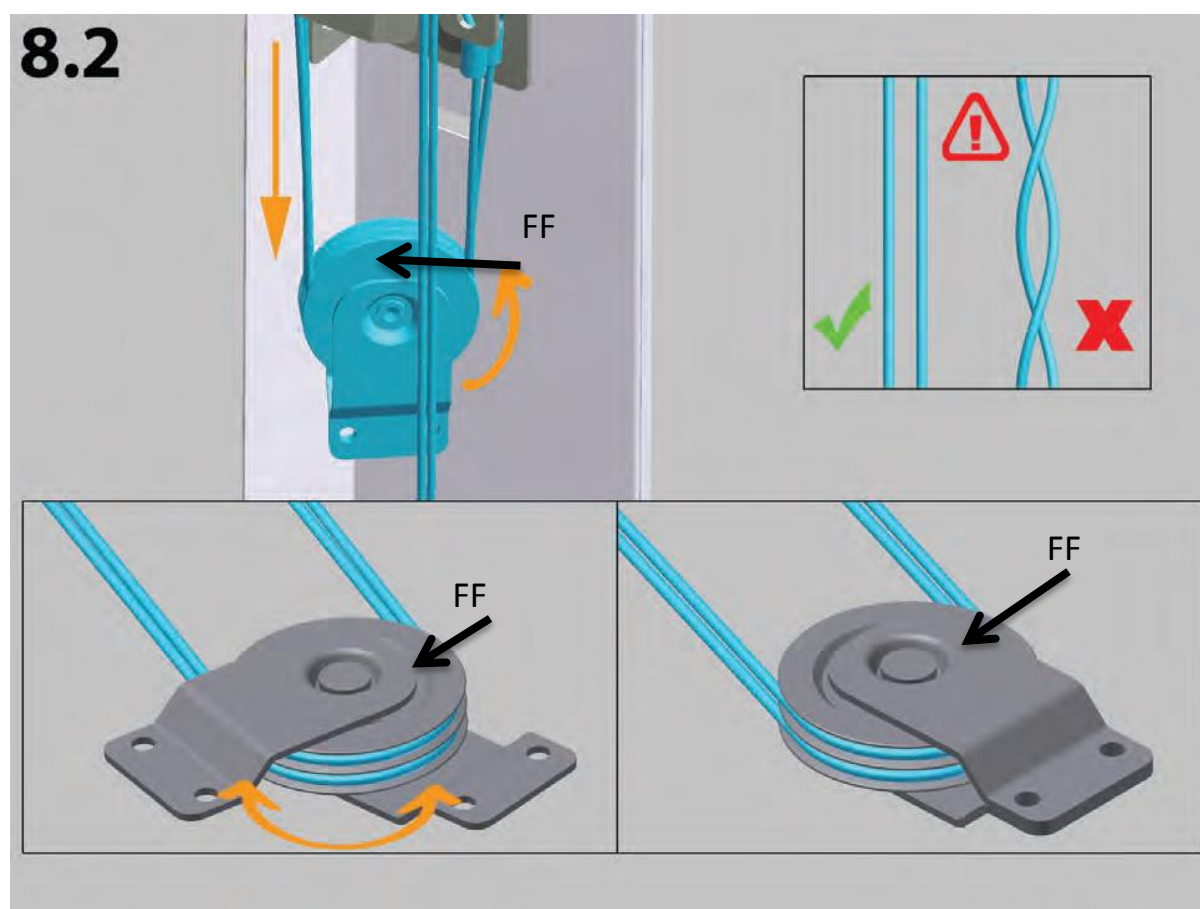
7.8



7.9



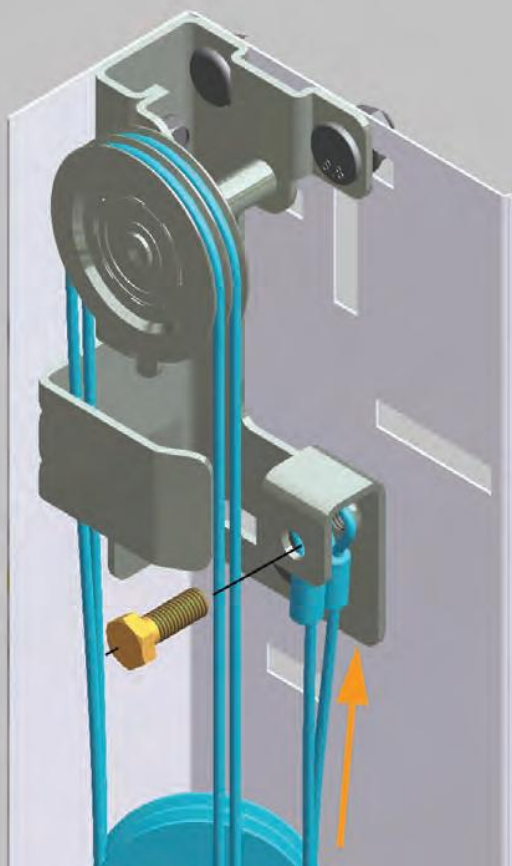


8.1**8.2**

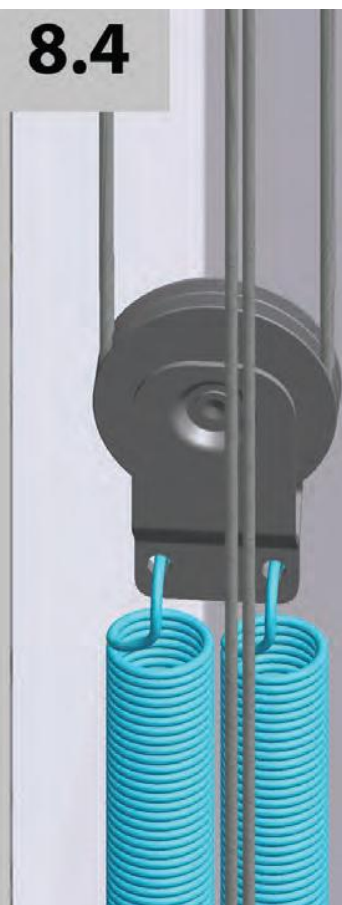
8.3

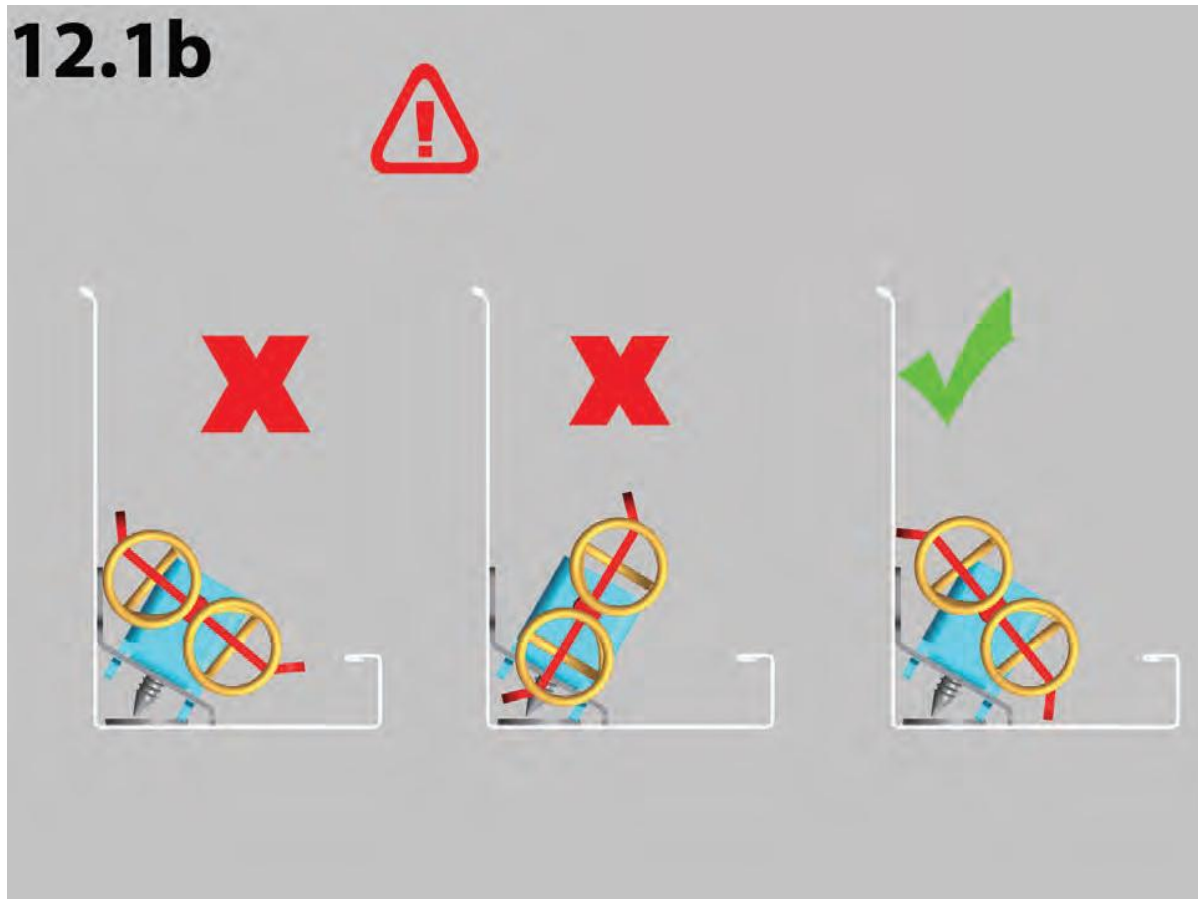
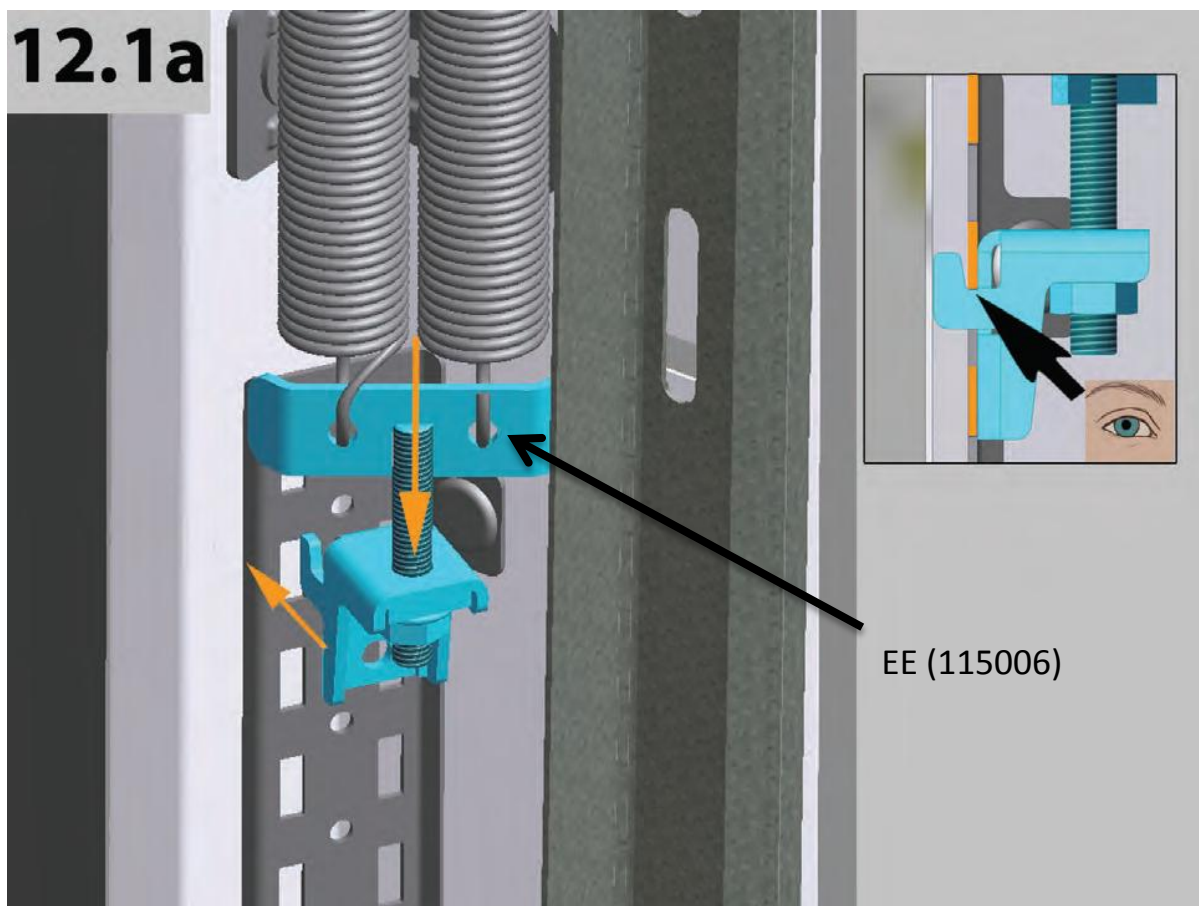


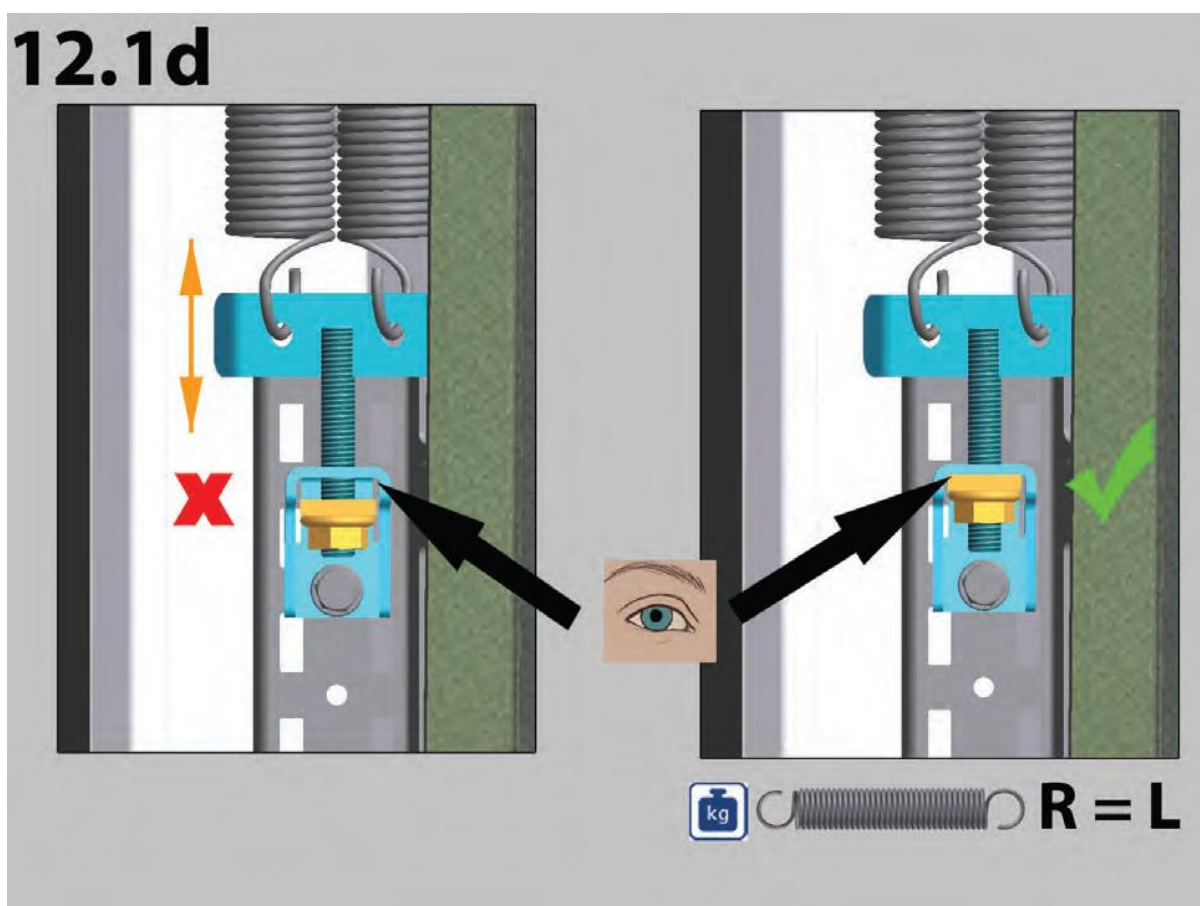
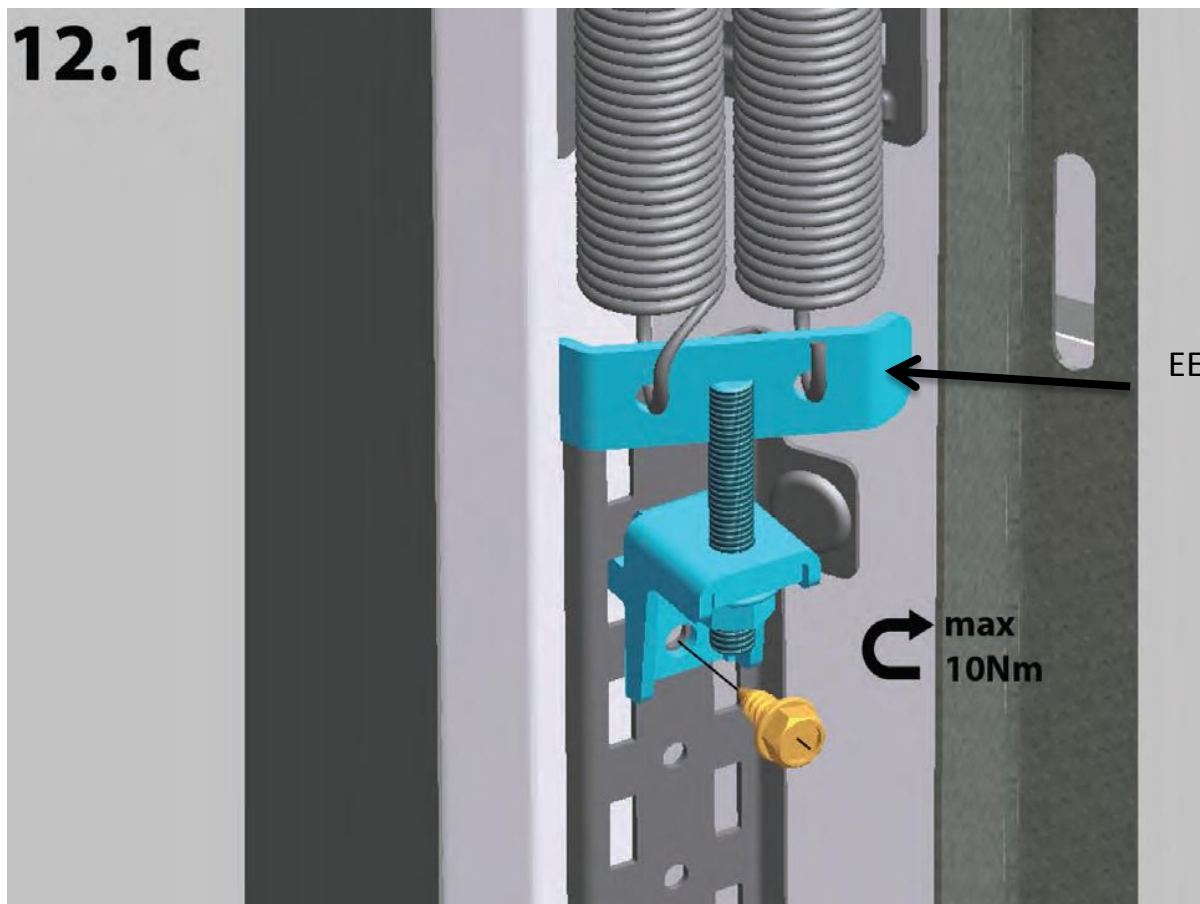
max.
13Nm



8.4



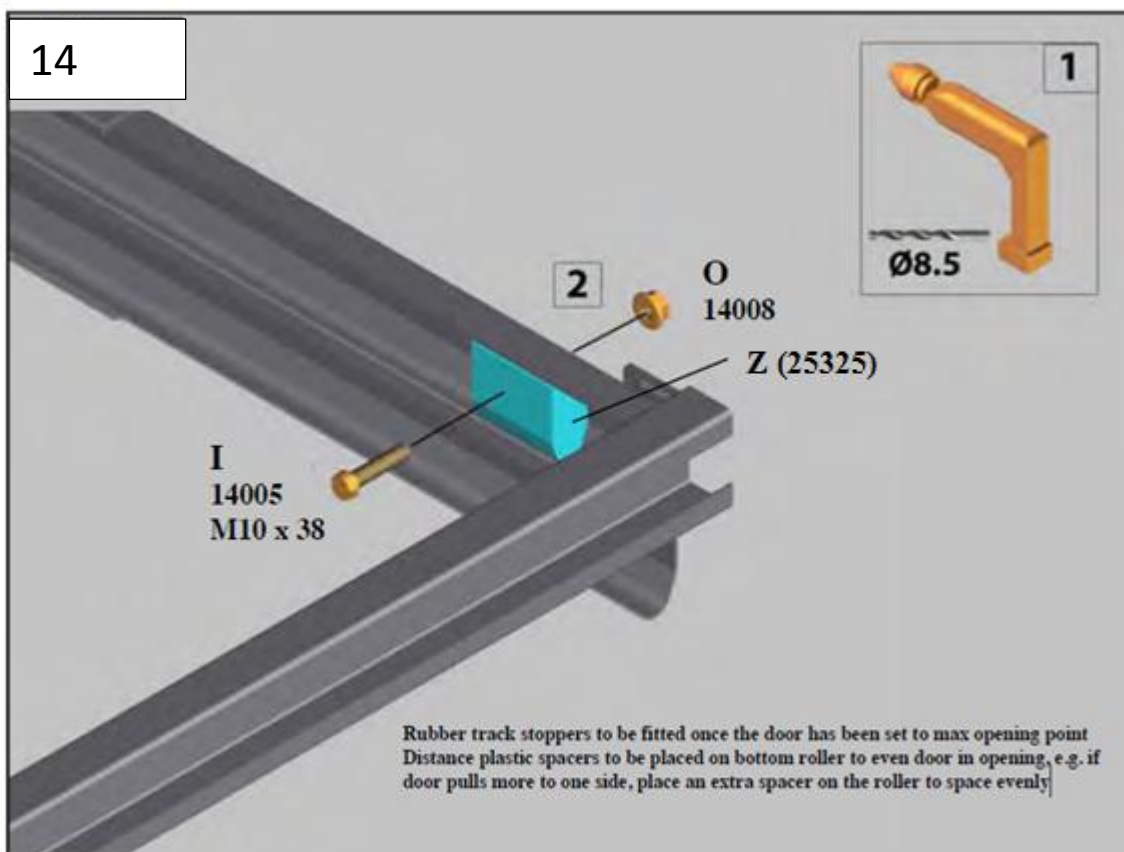




13



14



10. Handover

Handover the following documents to advise the end user:

- This manual (assembly, maintenance and disassembly)
- Declaration of conformity (in accordance with EN-13241-1) for automation if supplied (see 11)
- Inform the end user how to handle in case of malfunctions

10.1. First use

The first use of the garage door has to be carried out by an installer. After that the users can be instructed. For more information refer to the user guide.

11 Electric operator (optional)

 Mount the operator according to the supplier's manual.

NOTE:

 In case of power failure it should be possible to unlock the door using the emergency release from the operator .

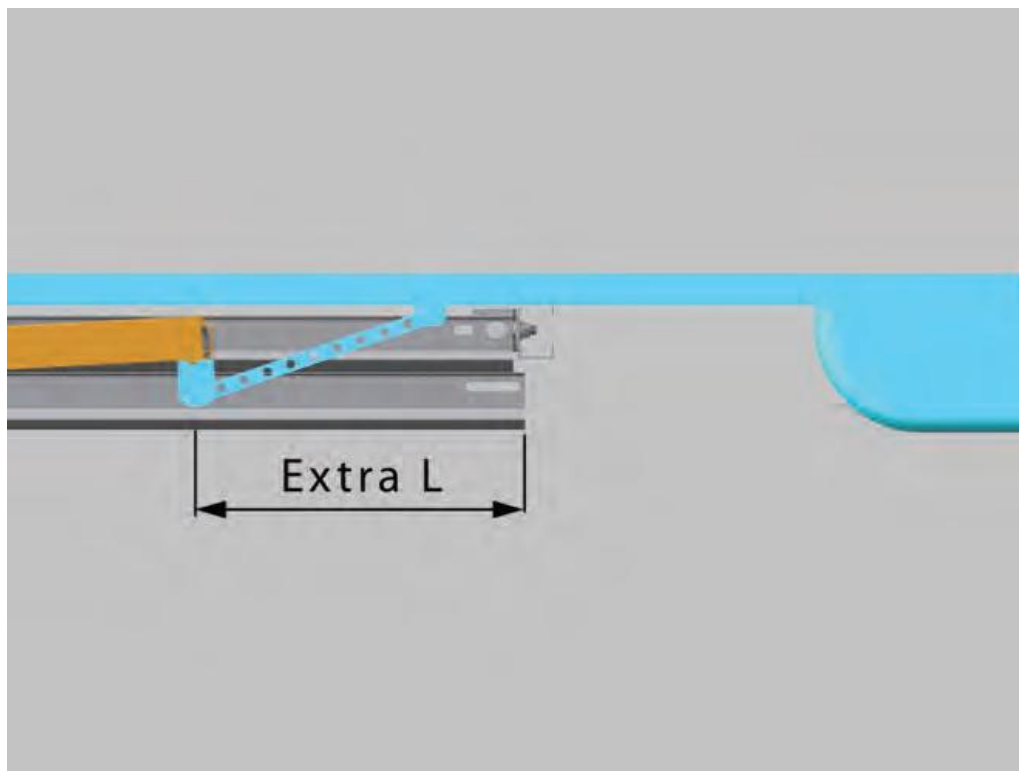
The door leaf may only in that case, be operated with a handle.

If there is no second entrance to the garage, we recommend an external release lock (art 60011) be fitted.

Do not fit a pull cord, shoot bolt or lock to an electrically operated door .

 Ensure that the horizontal tracks are long enough for the electrically operator, this is with reference to the operator drawbar (see below).

 In the event that the tracks are too short, a longer horizontal track kit should be used.



11.1 Operator settings

Adjustment to the operator should be carried out in accordance with the operator manufacturer's manual. Please note that our hardware kits have been CE approved for use with the operators specified in our ITT report and enclosure B. Should a different operator be chosen, then the installer must carry out a peak force analysis in accordance with EN 12445 and EN 12453.

12 Disassembly

The door should be disassembled in the reverse sequence to the assembly manual.

12.1 Disposal

All parts of this garage door can be easily disposed of. Please consult your local authorities on this matter

13 Maintenance

In accordance with EU standards, sectional overhead doors should be checked, from the first time of use, based on the indicated service by the installer.

This inspection service has to be recorded written.

This inspection service should be carried out by an approved installer company.

Directly after installing:

- | | |
|---|--------------|
| 1) Lubricate the tracks (advice: PTFE spray) | By Installer |
| 2) Lubricate bearings, and rollers (advice: PTFE spray) | By Installer |
| 3) Lubricate pins of the hinges from intermediate- and side-hinges (advice: PTFE spray) | By Installer |
| 4) Lubricate sealing rubbers (advice: special rubber grease or talcum powder) | By Installer |

After 3 months: This may be chargeable by the installer

- | | |
|---|--------------|
| 1) Re-tensioning springs (relaxation springs) | By Installer |
| 2) Visual inspection | By Installer |

Every 6 months or every 750 door cycles:

- | | |
|--|----------|
| 1) Remove debris from the door and surroundings | By: user |
| 2. Lubricate the tracks (advice: PTFE spray) | By: user |
| 3. Lubricate bearings, shafts and rollers (advice PTFE spray) | By: user |
| 4. Lubricate pins of the hinges from intermediate- and side-hinges (advice: PTFE spray) | By: user |
| 5. Lubricate sealing rubbers (advice: special rubber grease or talcum powder) | By: user |
| 6. Clean the panels (advice: shampoo for car cleaning with water),
do not use aggressive detergents | By: user |
| 7. Wax the panels (advice: car wax) | By: user |

Every 12 months or every 1500 door cycles:

- | | |
|--|--------------|
| 1. Check the cables, the end connections, bottom brackets on wear or damages | By Installer |
| 2. Check the balance of the door | By Installer |
| 3. Check the pulley (if present) for wear or damages | By Installer |
| 4. Check the rollers for wear and damages | By Installer |
| 5. Check the closing forces of the main closing edge | By Installer |
| 6. Check the suspension from the horizontal track to the ceiling | By Installer |
| 7. Check the weather strips for wear or damages | By Installer |
| 8. Check the bottom seal for wear or damages | By Installer |
| 9. Check the rubber seals on the top panel for wear of damage | By Installer |