

Brio® 312 Retractable Pleated Insect Screen

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Read Installation Instructions carefully before proceeding. Ensure that Installation Instructions and Hex Drive remain with the homeowner.



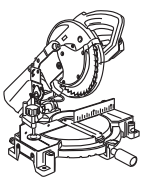
WARNING

Screen will not stop children from falling out window
 Keep children away from open window


A safety initiative from the Australian Glass & Window Association



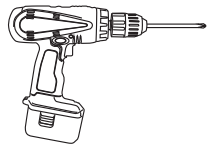
Recommended Tools

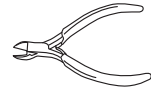


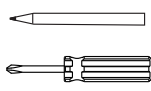
Note: Blade suitable for aluminium

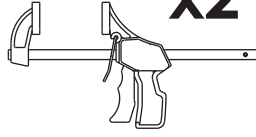


Note: Blade suitable for aluminium

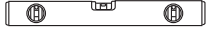





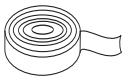




x2

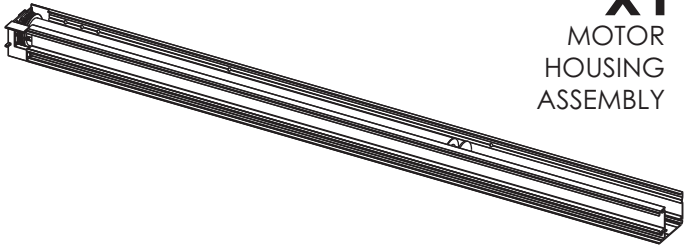






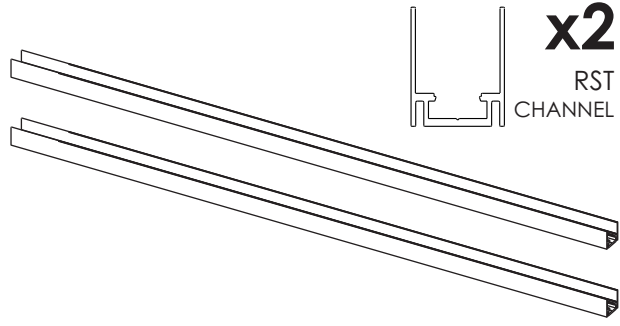
Note: Low adhesive

Box 1 - Framing Kit



x1

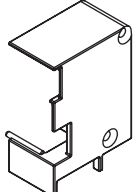
MOTOR HOUSING ASSEMBLY



x2


RST CHANNEL

312 Screen Fitting Pack




x1

HRS-002 END CAP (RIGHT)



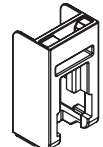
x1

HRS-UCA USB COVER



x2

HRS-015 MESH SUPPORT (H)



x2

HRS-016 NOSE END CAP

312 Screen Fixing Pack




x1

WS-AK ALLEN KEY



x2

SC8GX37.5S




x1

SCM3X10DS



x28

SPK-SG8GX19SS



x2

TEKS-62020CX

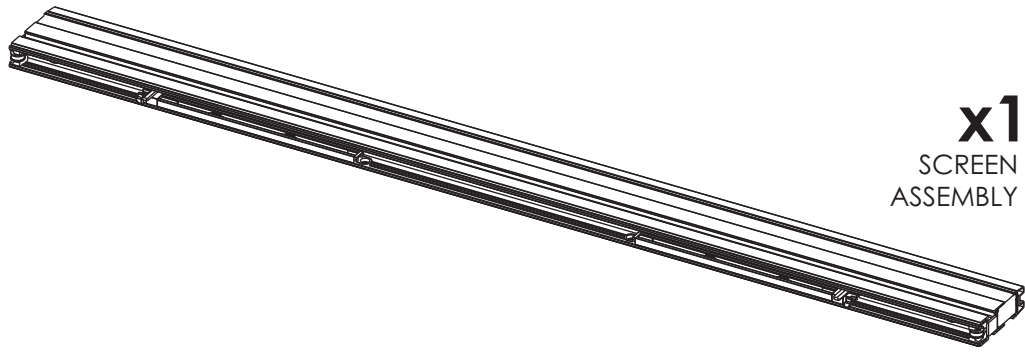


x11

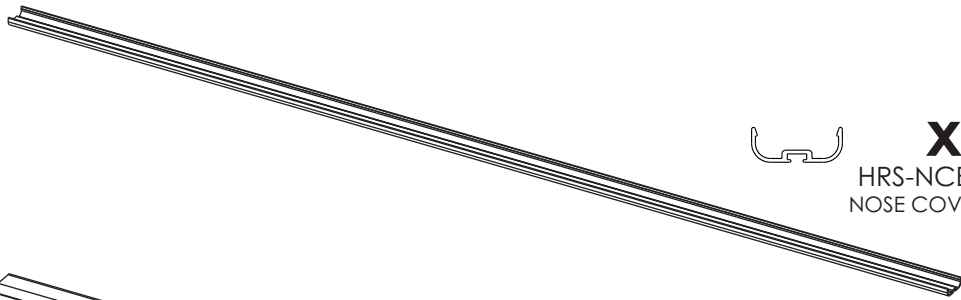
SP8X25S

Box 2 - Screen Kit

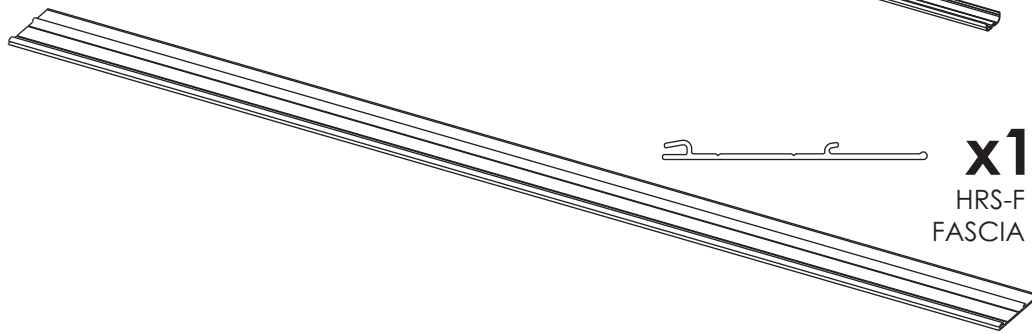
Box 2 - Screen Kit




x1
SCREEN
ASSEMBLY

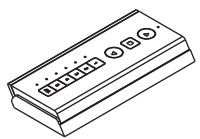


 **x1**
HRS-NCEX
NOSE COVER

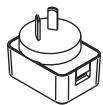


 **x1**
HRS-F
FASCIA

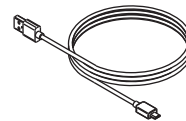
Remote, Motor Charger and Cable



x1
ACM-MT02-R5BK
REMOTE



x1
ACM-MT03-MCWT
CHARGER



x1
ACM-MT03-C4WT
CHARGER CABLE 4M

Covers and Seal



x1,2 or 3
WS-COVEXP
DUST COVER

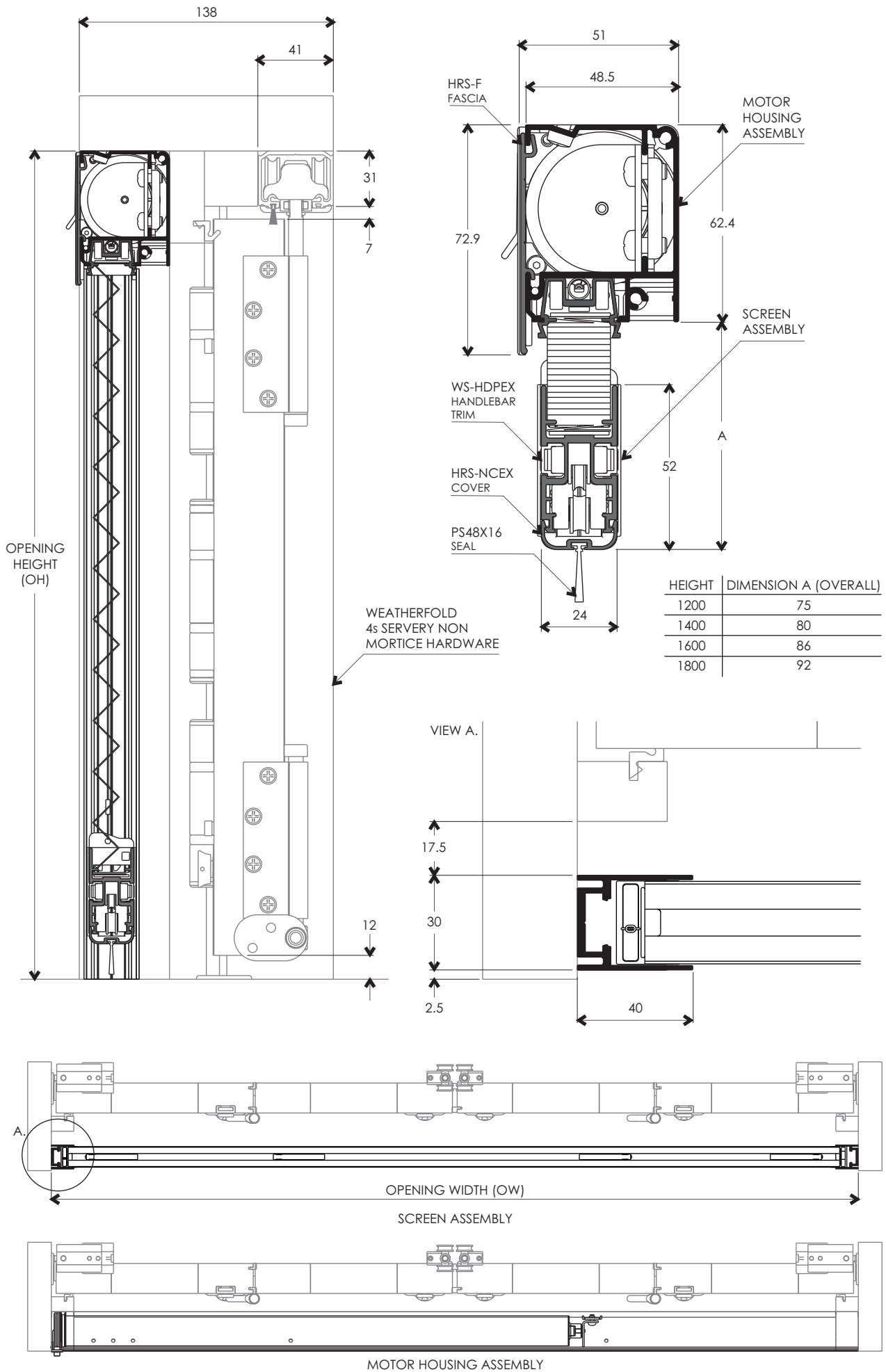


x2
WS-HDPEX
HANDLE BAR TRIM



x1
P48X16
SEAL

System Overview



Cut & assembly of motor housing

A

JAMB

OW (OPENING WIDTH)

JAMB

B

MW (MOTOR HOUSING WIDTH) = OW - 28.5

CUT THIS END ONLY

C

1

HRS-002

2

3

SC8GX37.5S

4

HRS-002 **SC8GX37.5S**

Fitting motor housing

MOTOR HOUSING **SP8X25S**

A

HEADBOARD

49

B

HEADBOARD

ENSURE DRILLED HOLE IS PERPENDICULAR TO FACE

C

HEADBOARD

SP8X25S

200

400

53.5

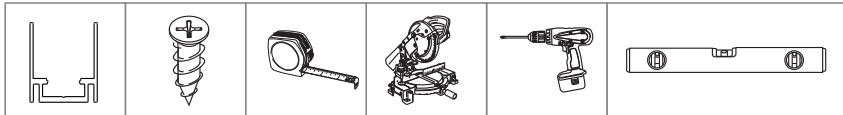
25

25

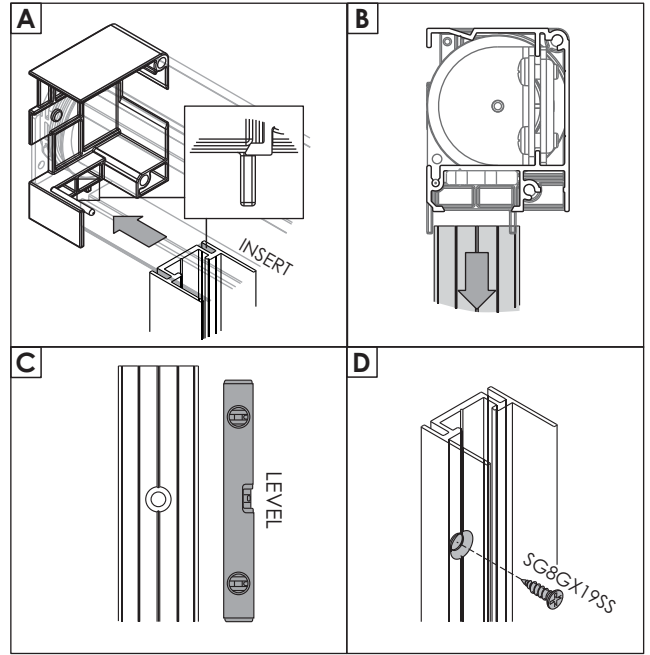
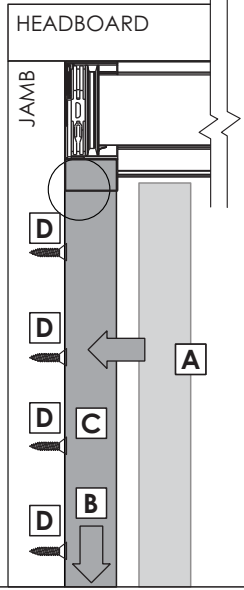
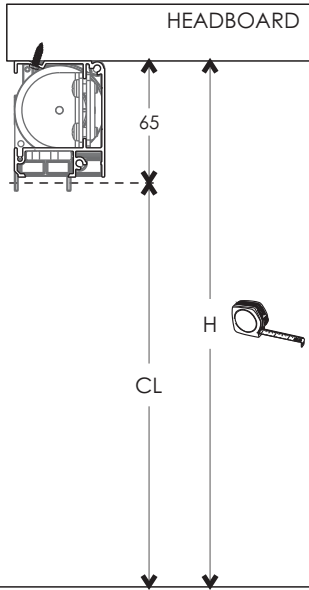
ADDITIONAL 4 x 400 ON A 2600 SCREEN

! Assistance may be required to install motor housing assembly

Preparing and fitting jamb channel (RST)



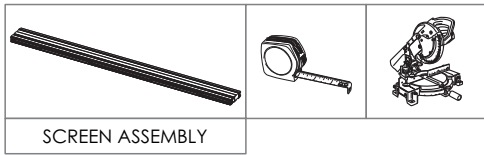
RST SC8GX19SS



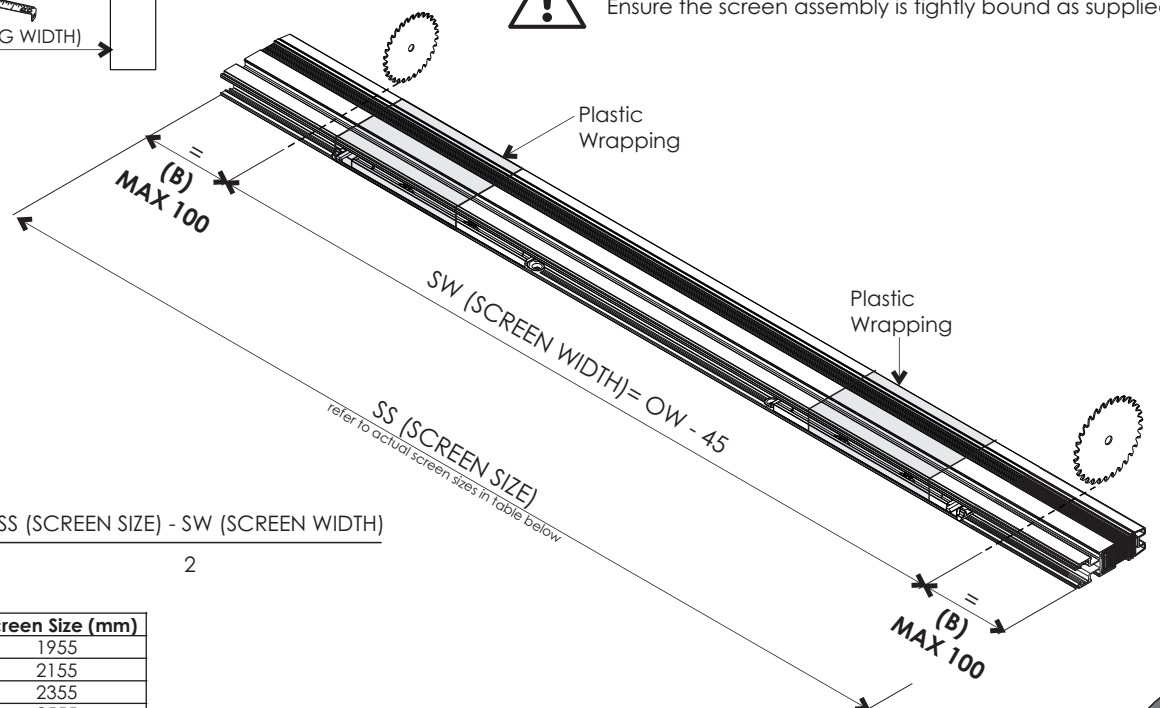
CL (CHANNEL LENGTH) RST = H - 65

Repeat steps for other Jamb Channel (RST)

Cutting screen assembly



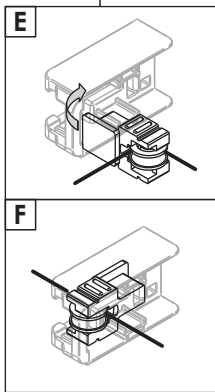
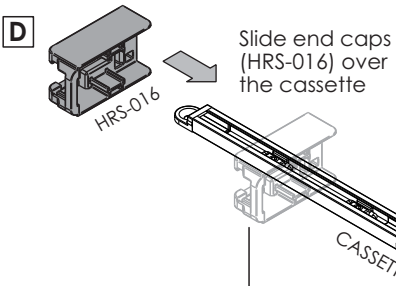
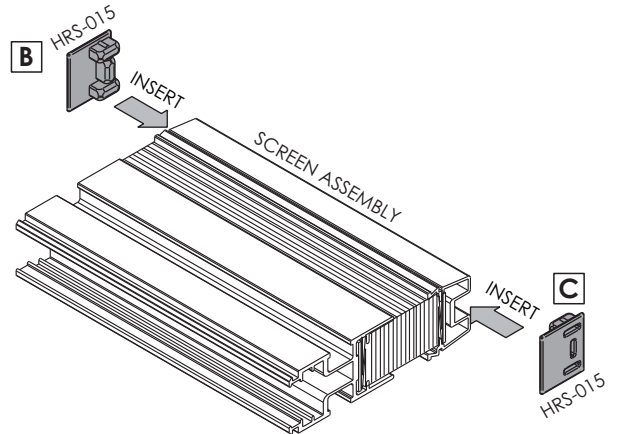
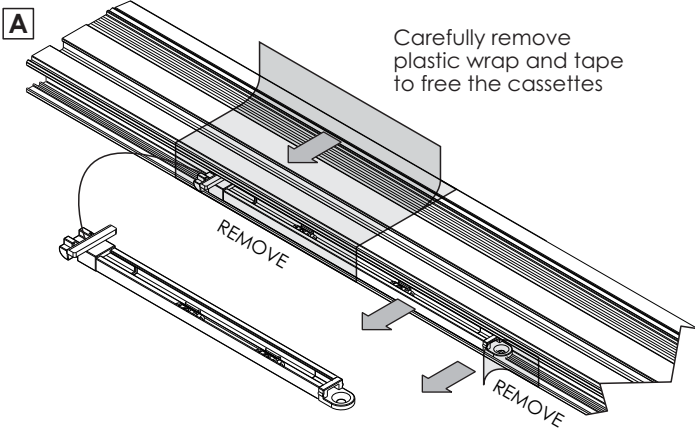
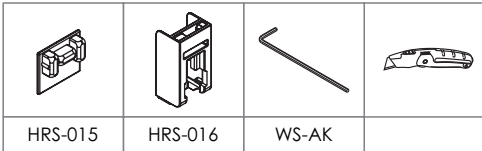
DO NOT REMOVE WRAPPING BEFORE CUTTING
Ensure the screen assembly is tightly bound as supplied



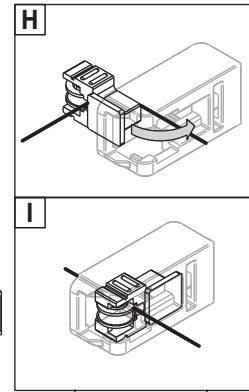
$$\text{CUTTING SIZE (B)} = \frac{\text{SS (SCREEN SIZE)} - \text{SW (SCREEN WIDTH)}}{2}$$

| Product Code | Screen Size (mm) |
|--------------|------------------|
| RSWA-XX-20BK | 1955 |
| RSWA-XX-22BK | 2155 |
| RSWA-XX-24BK | 2355 |
| RSWA-XX-26BK | 2555 |

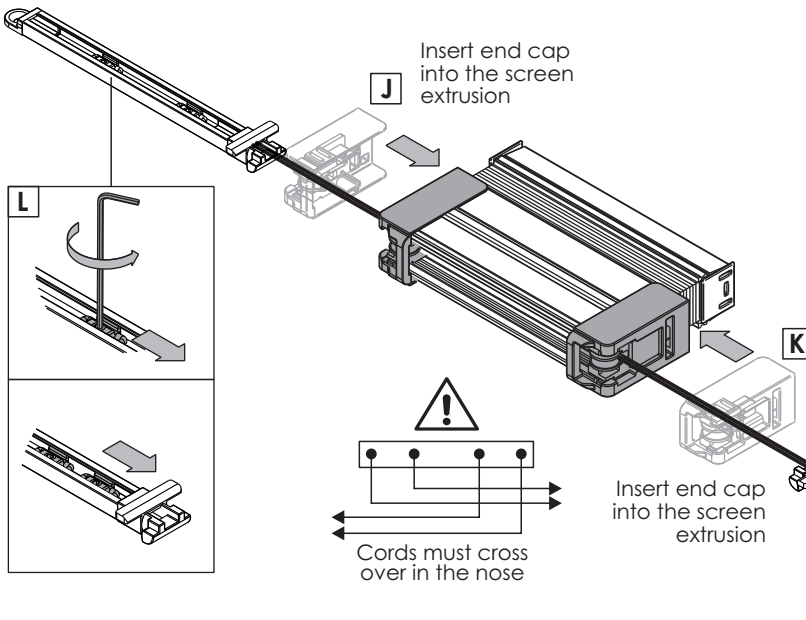
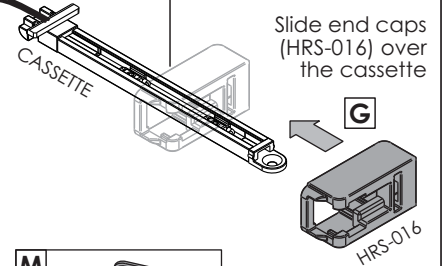
Mesh Retainer & End Caps



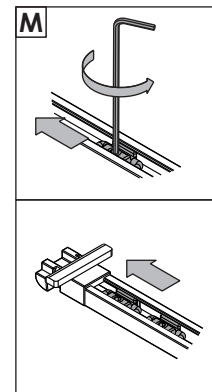
Insert bearing with pivot action



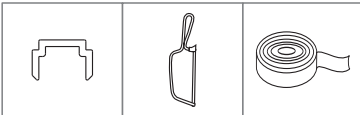
Insert bearing with pivot action



! Cords must cross over in the nose

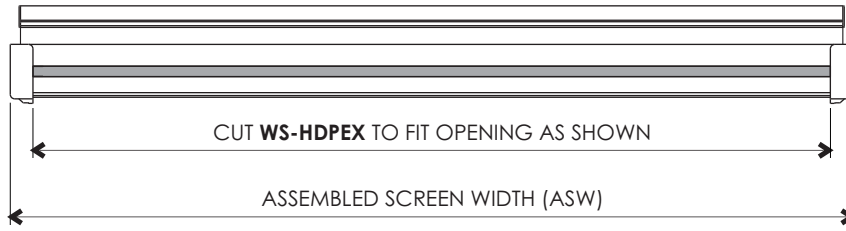


Nose Trim

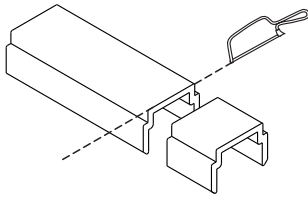


WS-HDPEX

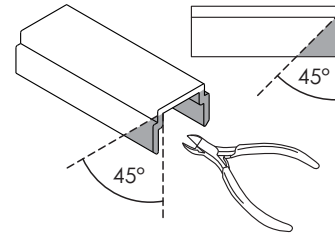
A



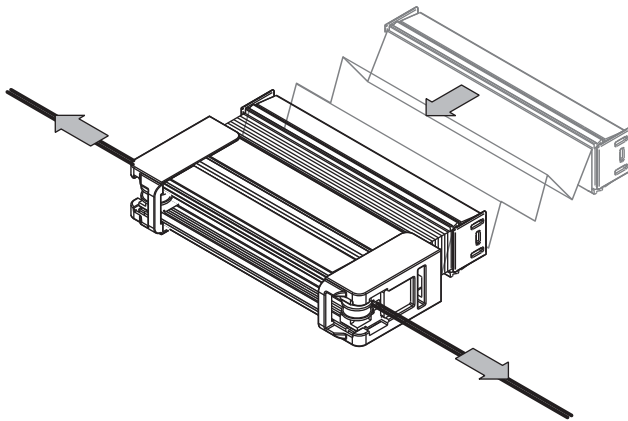
B Cut handle bar trim to size



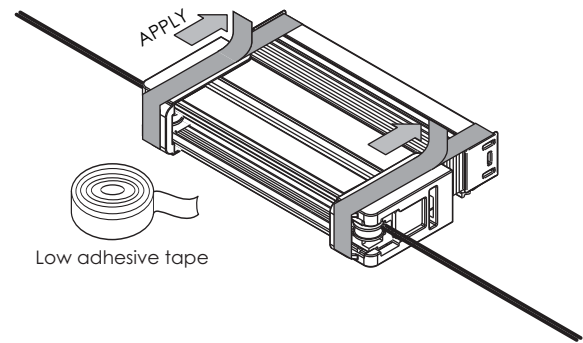
C Cut end at 45° to create a lead in edge to help snap in the trim



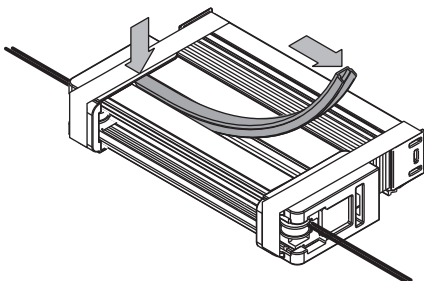
D Ensure mesh is compressed



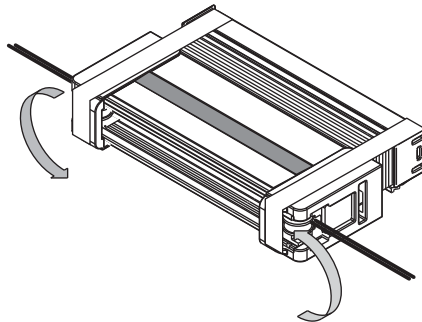
E



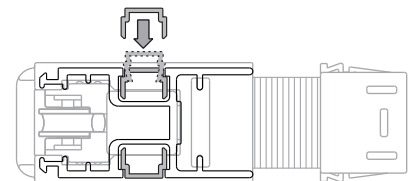
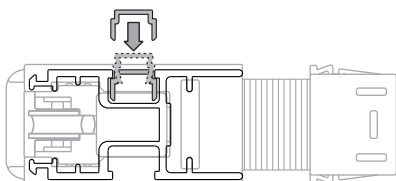
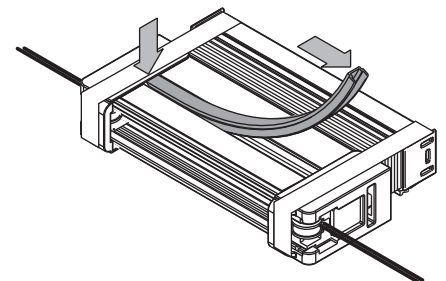
F Clip in handle bar trim



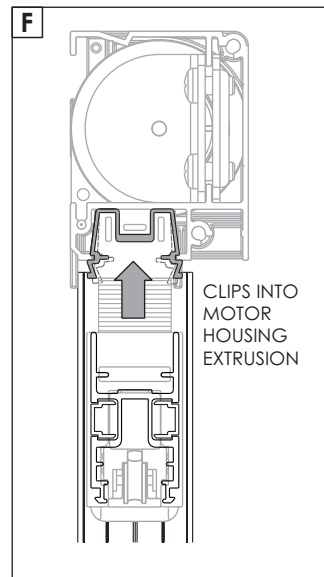
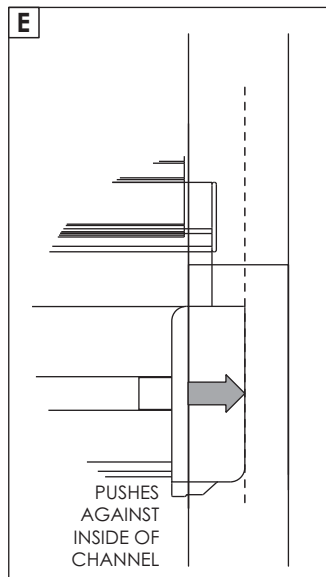
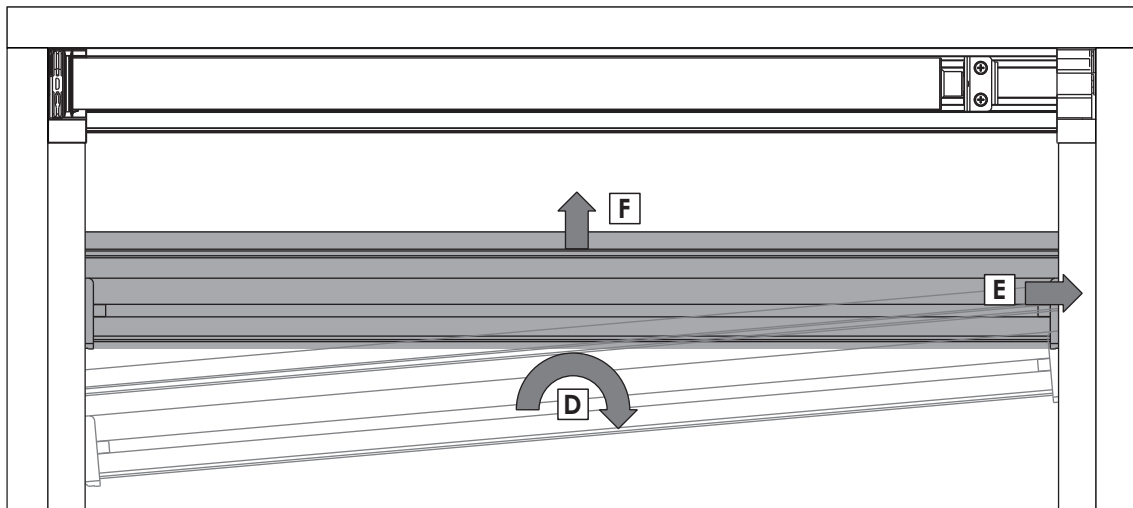
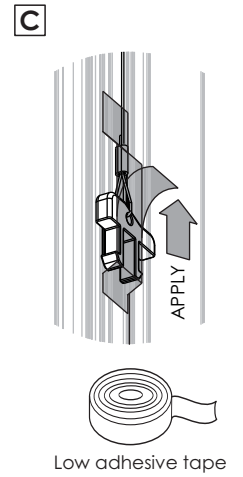
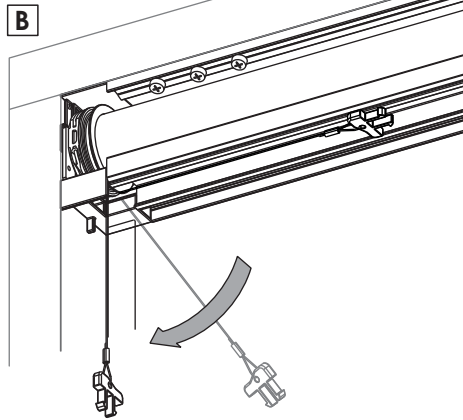
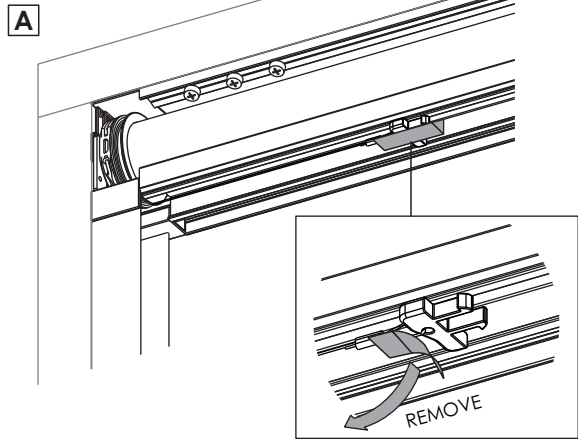
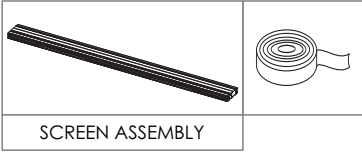
G Flip screen to clip handle bar trim on the other side

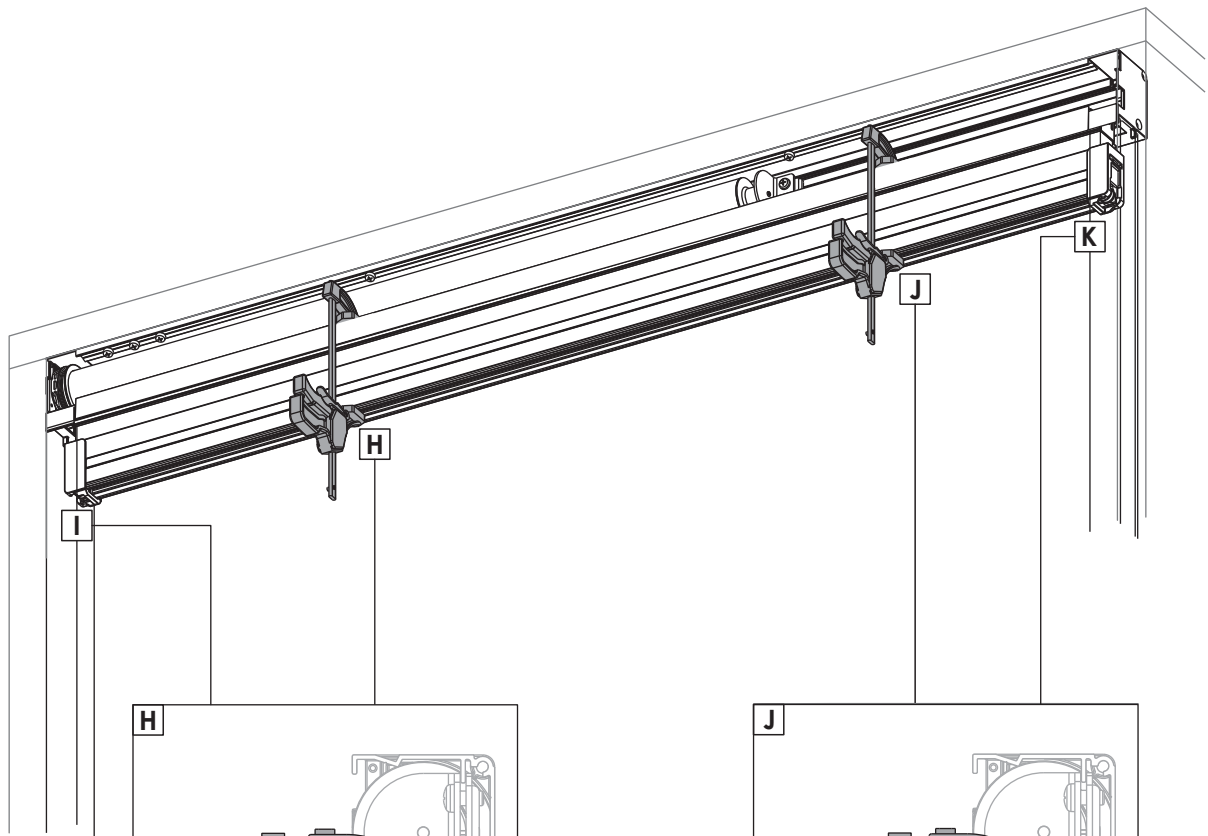
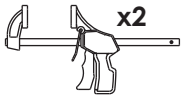


H Clip in handle bar trim



Screen Assembly





H

I

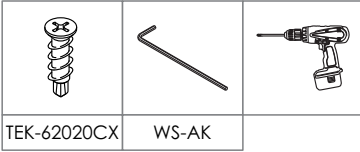
DO NOT OVER COMPRESS SCREEN

J

K

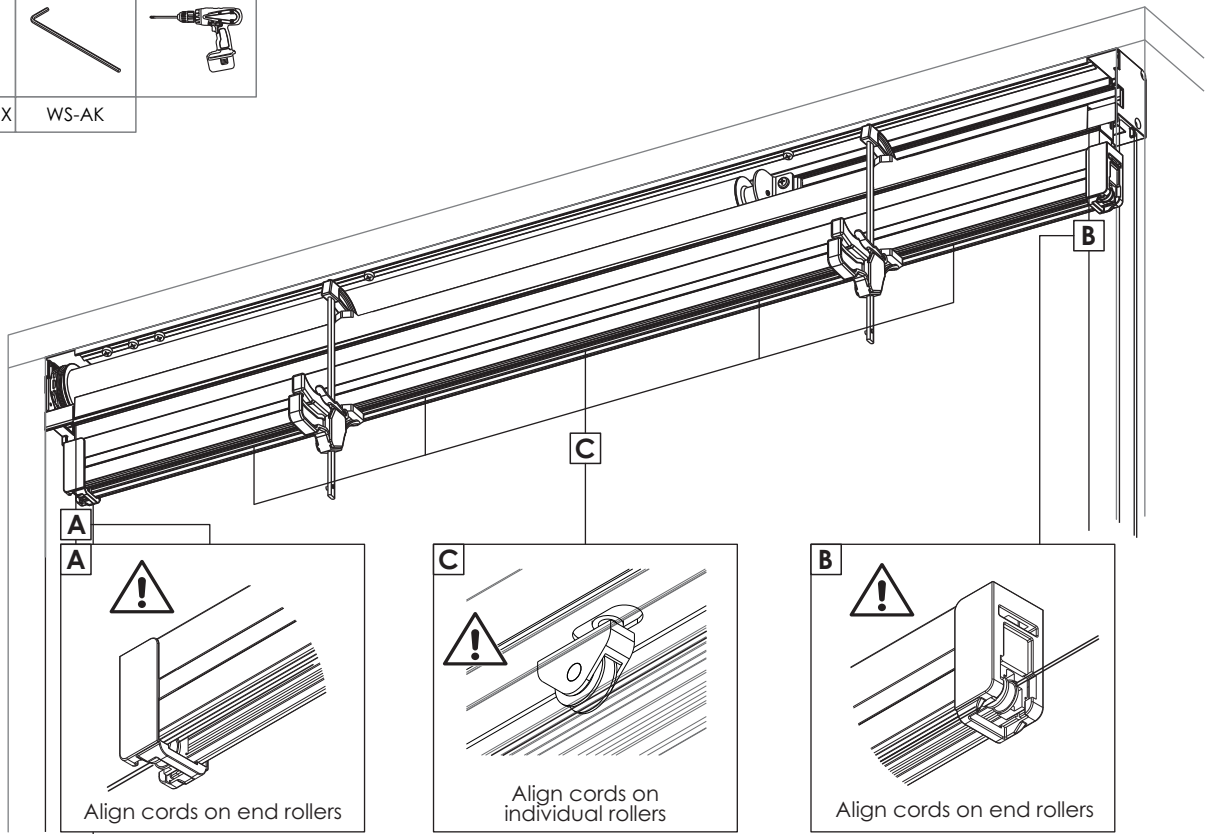
DO NOT OVER COMPRESS SCREEN

Fitting cassettes & handlebar adjustment

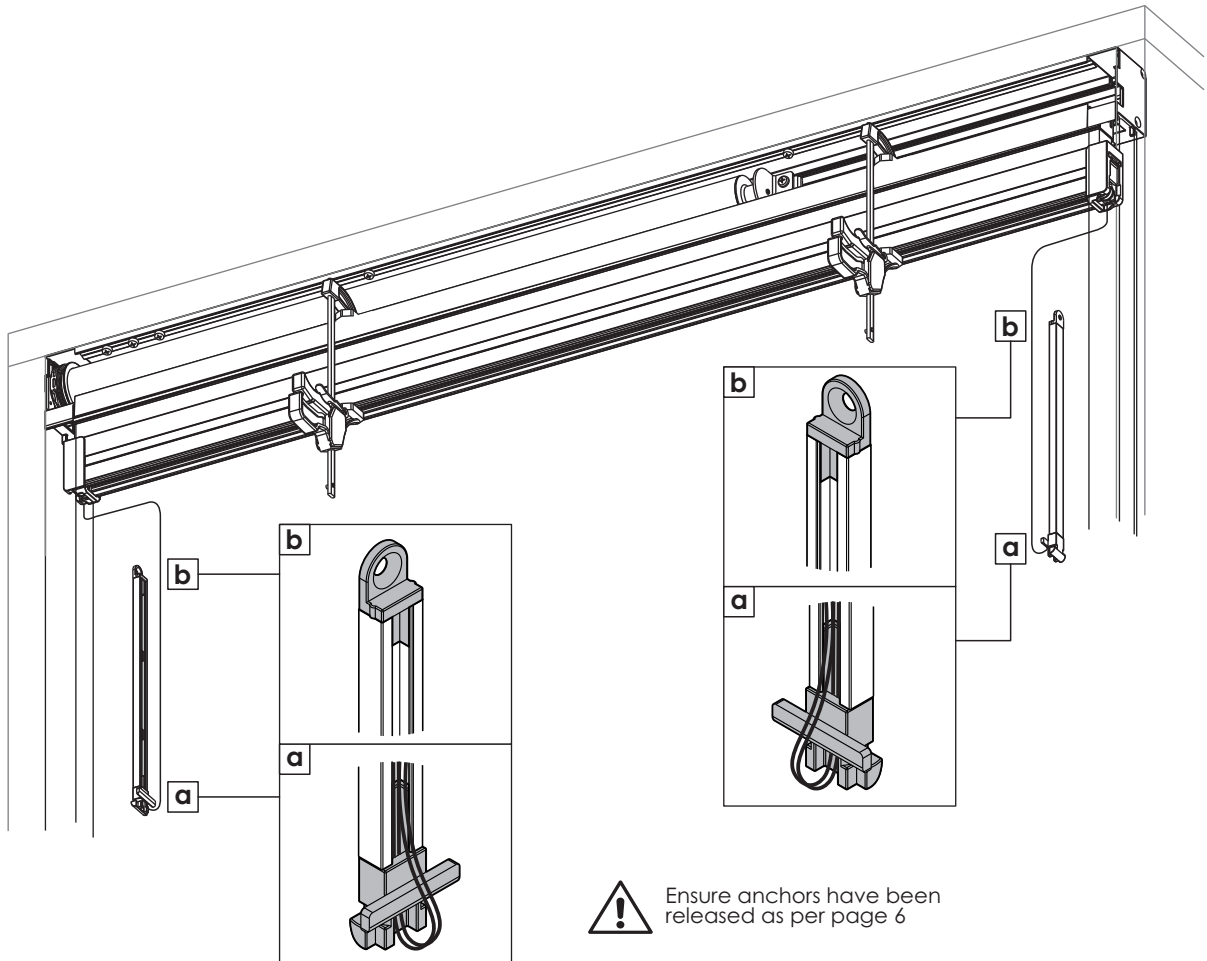


TEK-62020CX

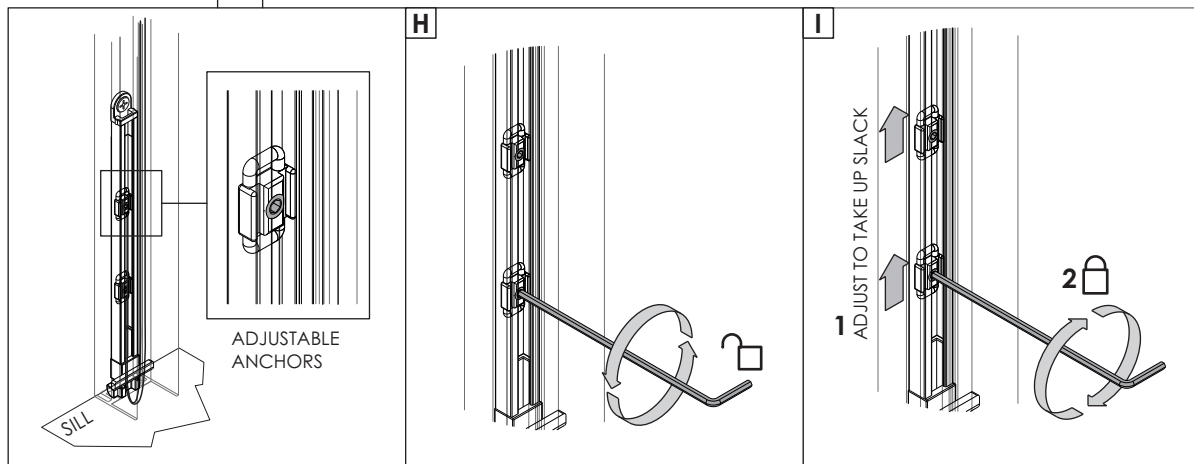
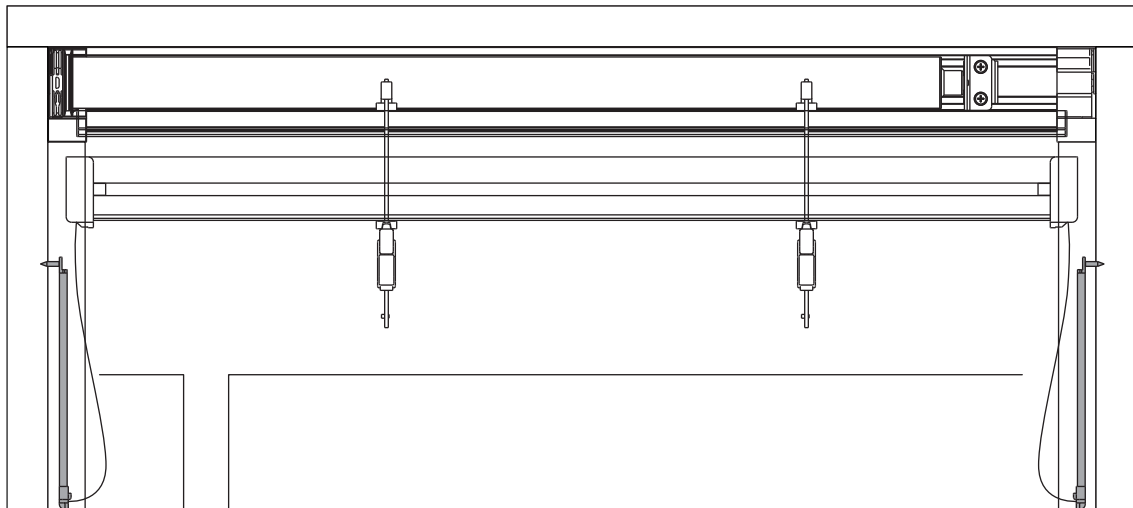
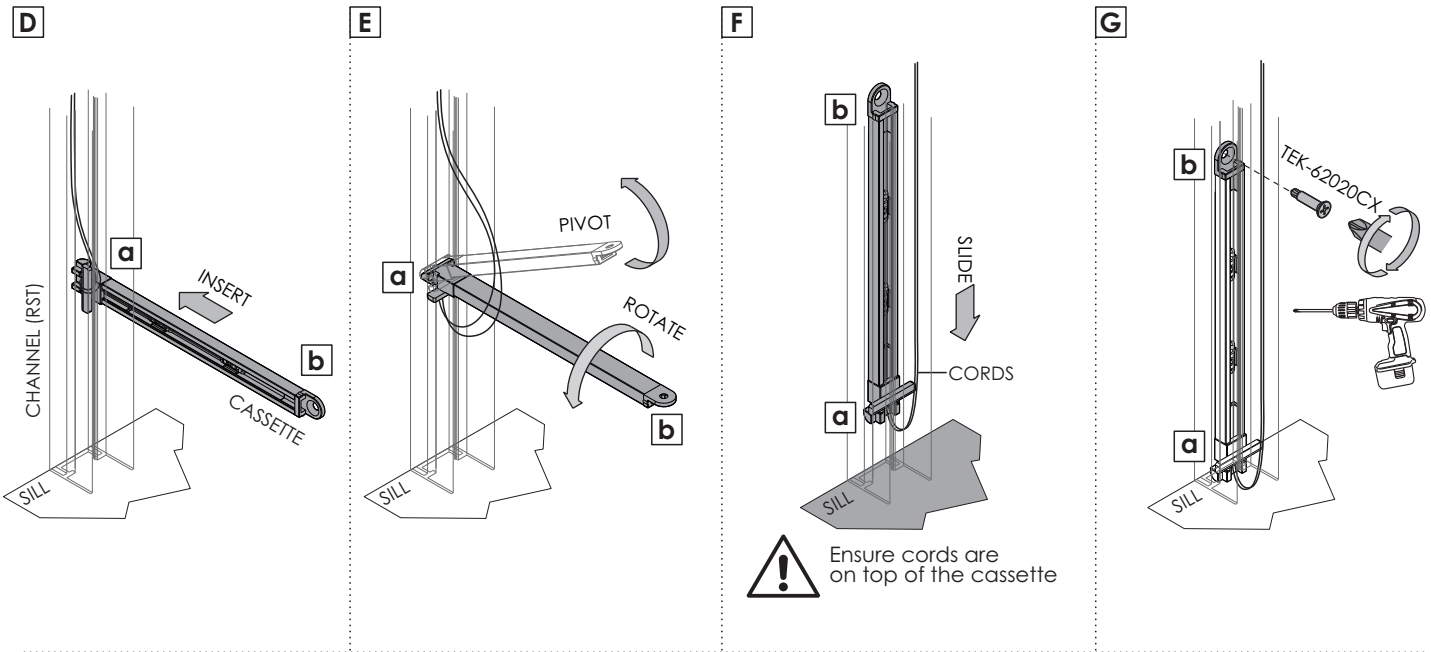
WS-AK

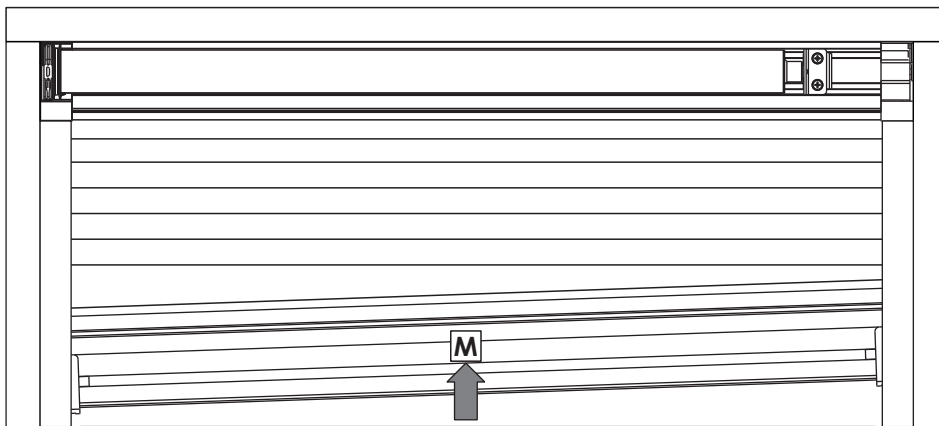
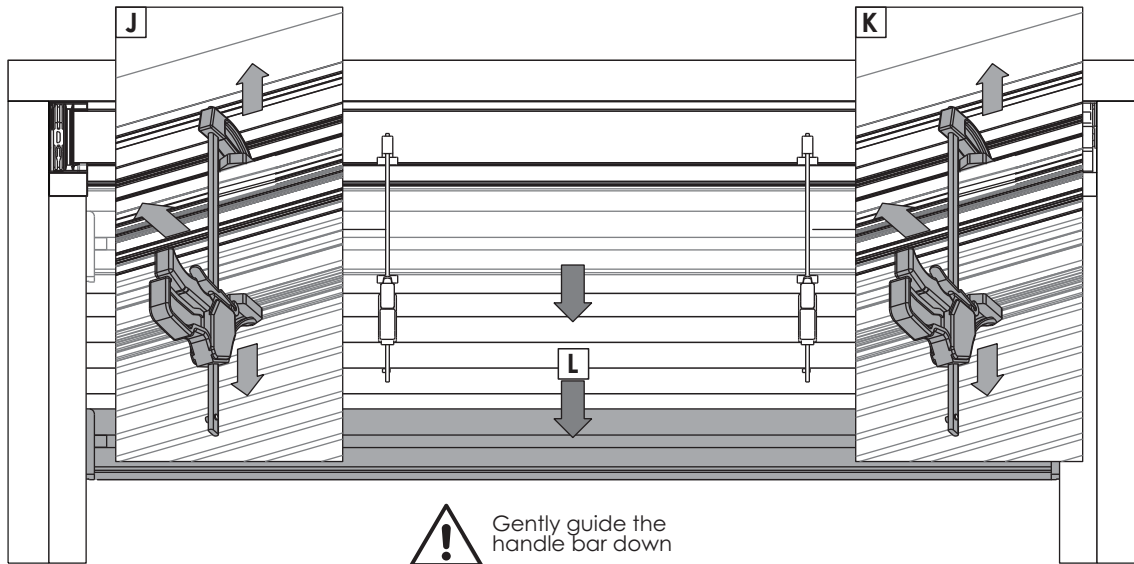


Ensure cords are not twisted, tangled or caught on the clamps



Ensure anchors have been released as per page 6



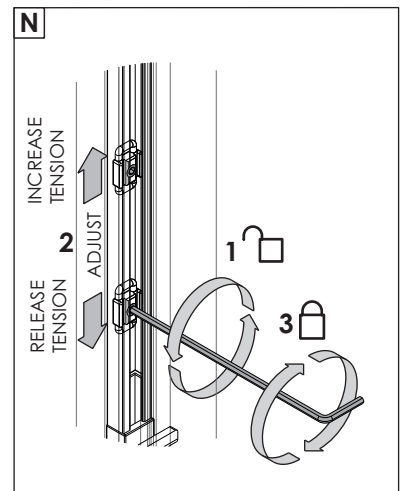


↑ INCREASE TENSION

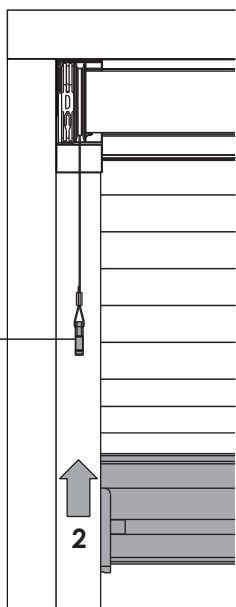
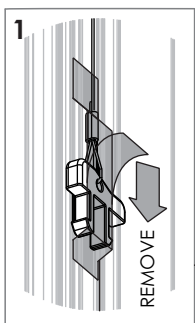


Lift and support handle bar to access adjustment anchors

↓ RELEASE TENSION

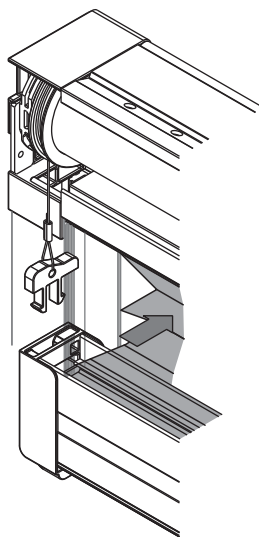


O

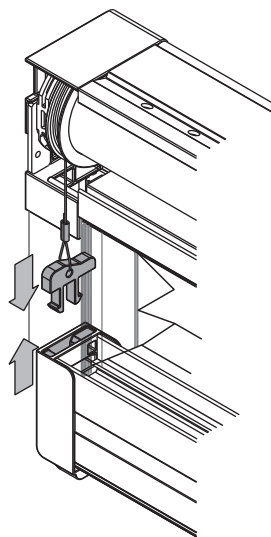


Lift handle bar to the clip

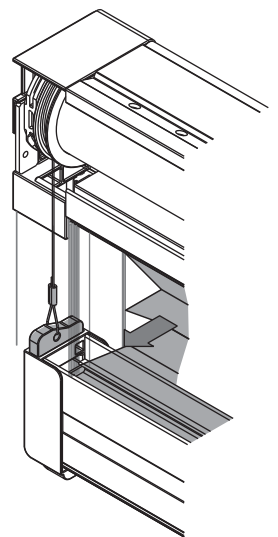
P



Q



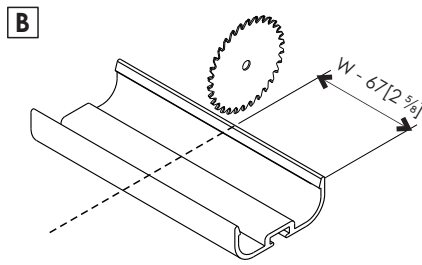
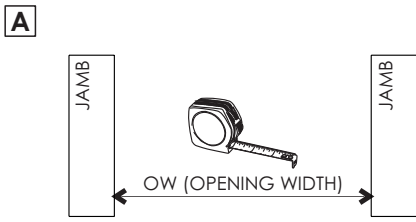
R



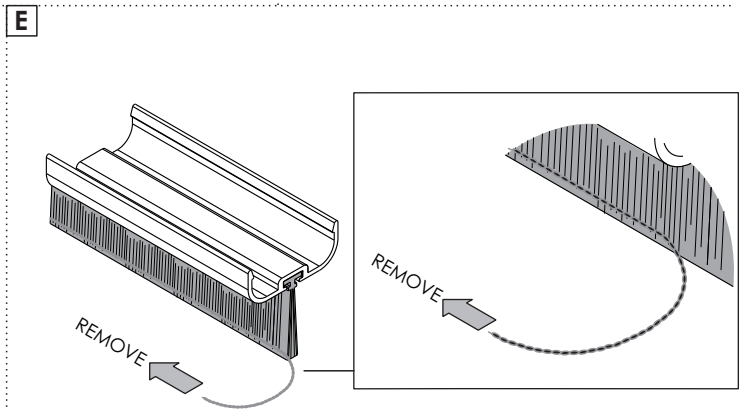
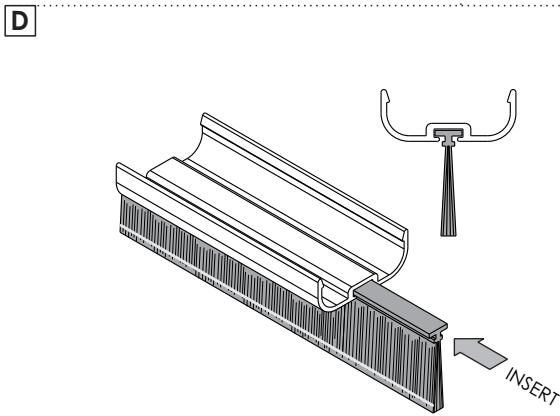
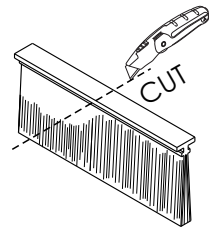
Preparing and fitting nose cover



HRS-NCEX PS48X16

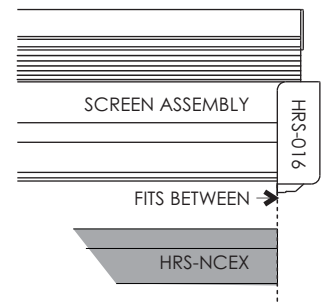
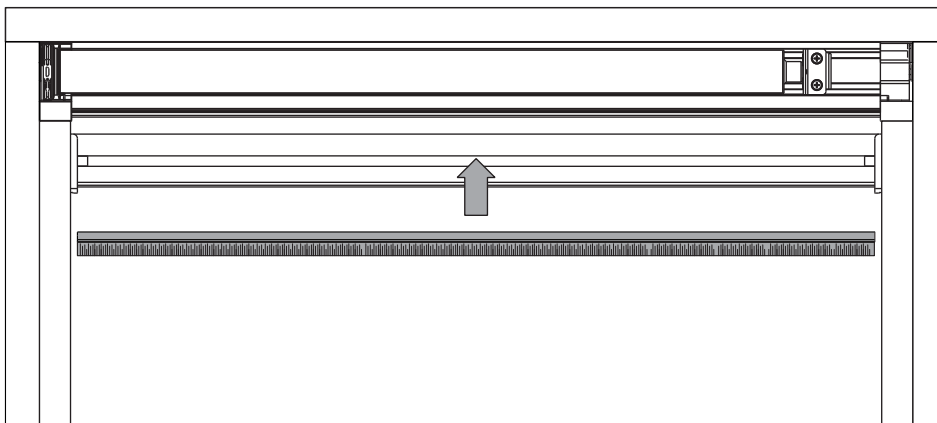
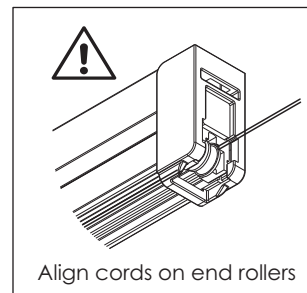
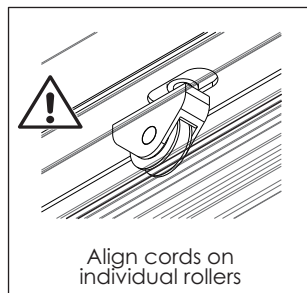
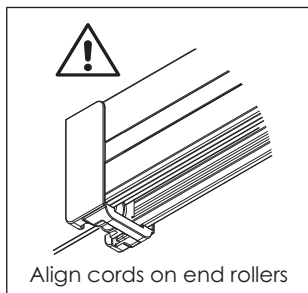


C Cut Seal (P48X16)
(Same length as HRS-NCEX)



F Fit Nose Cover (HRS-NCEX).

! DOUBLE CHECK:



Screen is now ready to setup the motor

Motor & Remote

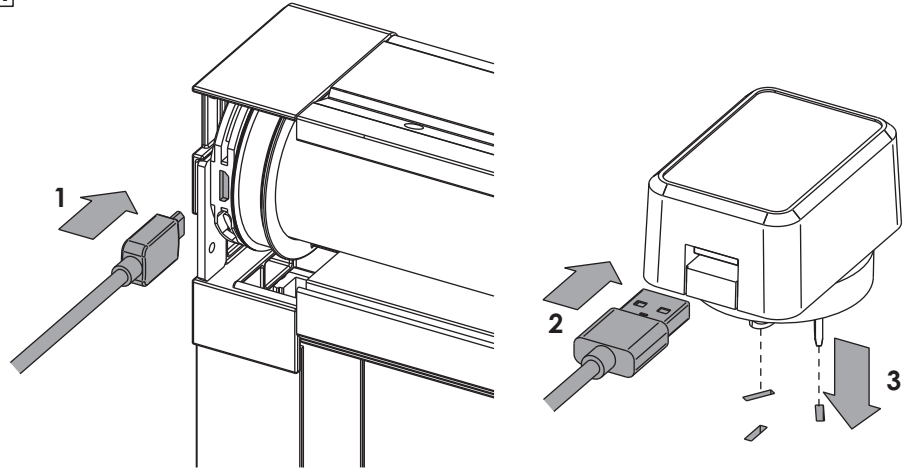
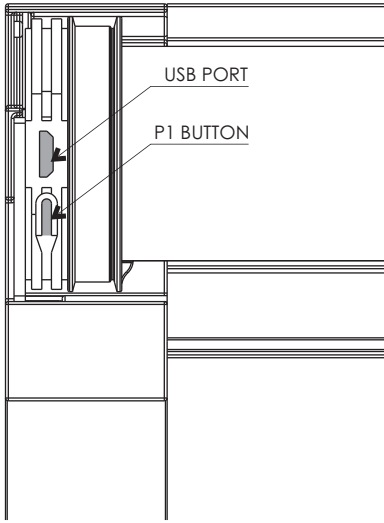


ACM-MT03-MCWT

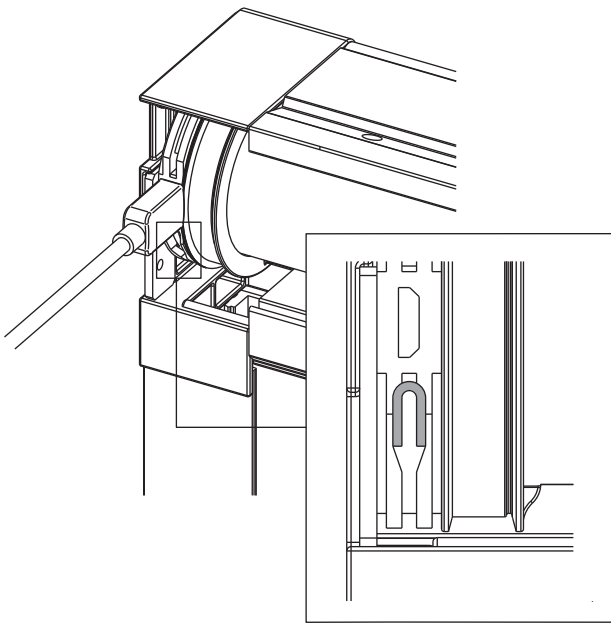


ACM-MT03-C4WT

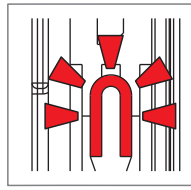
A



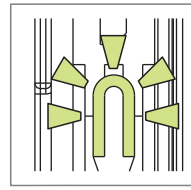
B



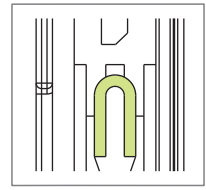
Fully charge the battery before use.
Motor is to be charged for 6 hours



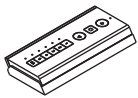
Flashing "red"
Recharge +
10 x beeping



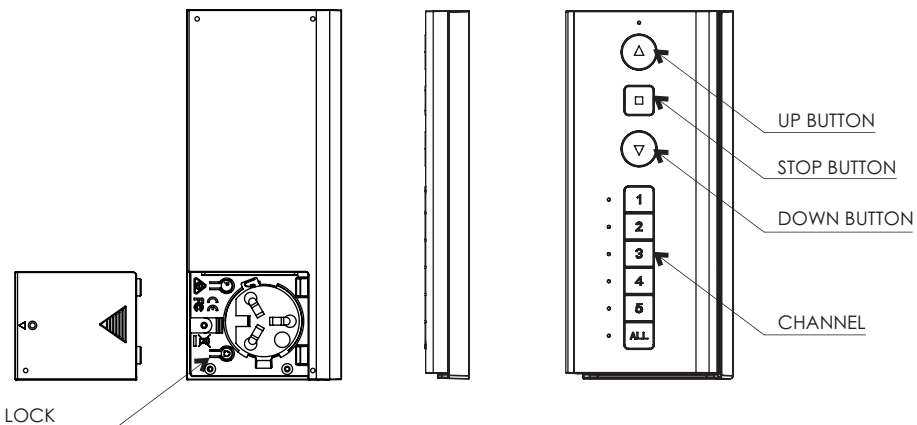
Flashing "green"
Charging



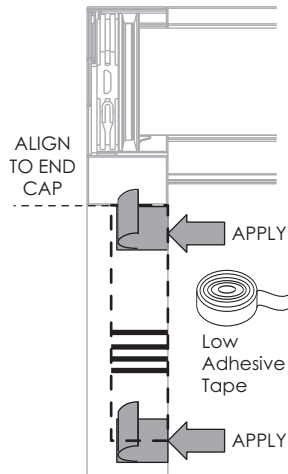
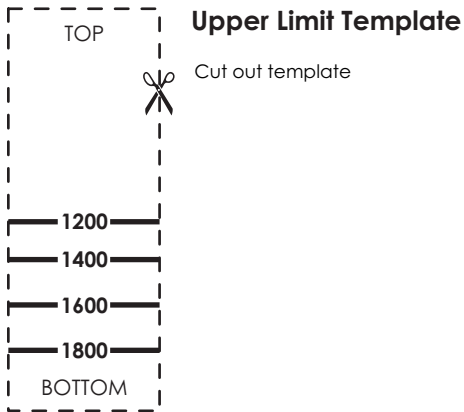
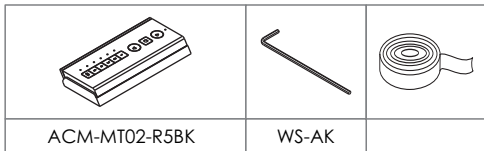
Solid "green"
Charged



ACM-MT02-R5BK

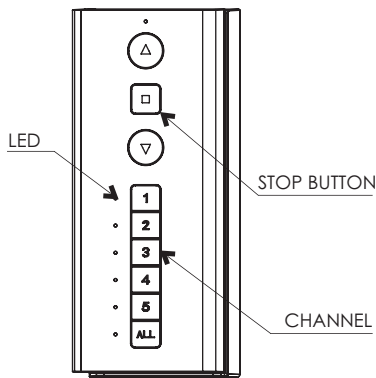


Remote setup



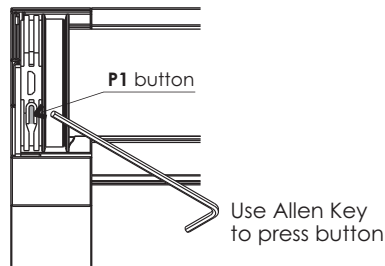
Pair motor with controller - Important: Step B and C are done together

A Select channel on controller



Note the corresponding LED next to each channel

B Hold **P1** button on motor head



Motor Response



C Hold **STOP** on controller



Complete step within 3 secs of pressing the P1 button on motor head

Motor Response

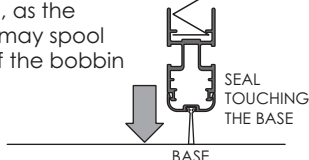


Setting Lower limit

A Move screen to the desired highest position by pressing the **UP** button



Do not over extend the travel, as the cord may spool out of the bobbin



B To save lower limit, hold **DOWN** and **STOP**

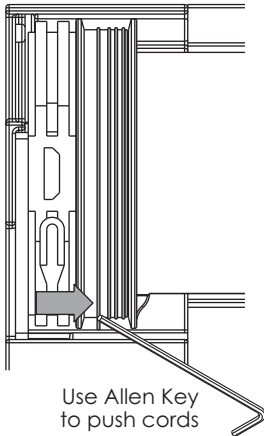


Motor Response



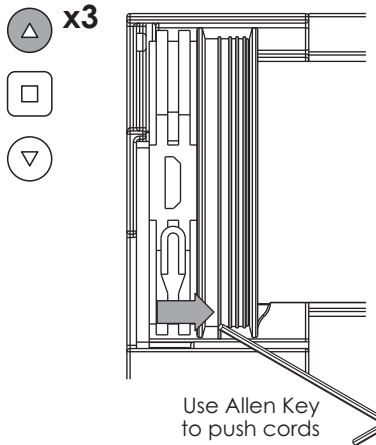
Setting cord and upper limit

- A** Upon setting the lower limit the cord on the bobbin may not be set correctly. Using the Allen Key push cord towards the right

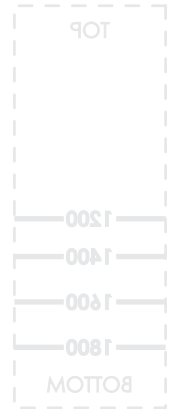


Use Allen Key to push cords

- B** Perform 3 quick presses on the remote to do approx 1/2 a turn. Push cords again to the right

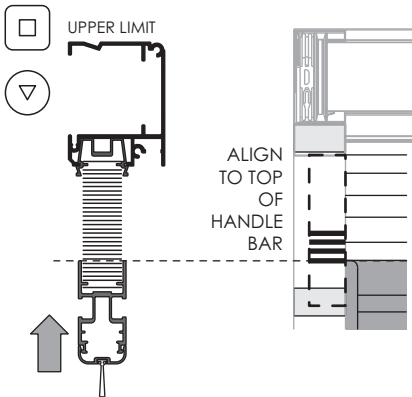


Use Allen Key to push cords



- C** Move screen to the desired highest position by pressing the **UP** button

- Quick Press** = Step
Long Press = Continuous Travel



ALIGN TO TOP OF HANDLE BAR

- !** When close to the line on the template, use quick press to align. The motor to screen connection may be damaged if the template is not used

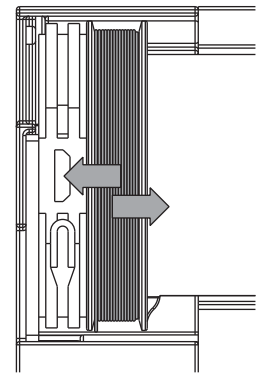
- D** To save upper limit, hold **UP** and **STOP**



Motor Response

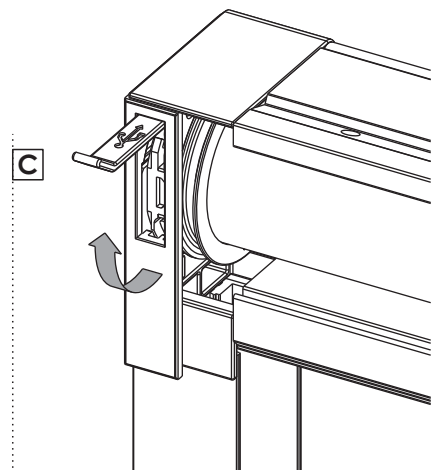
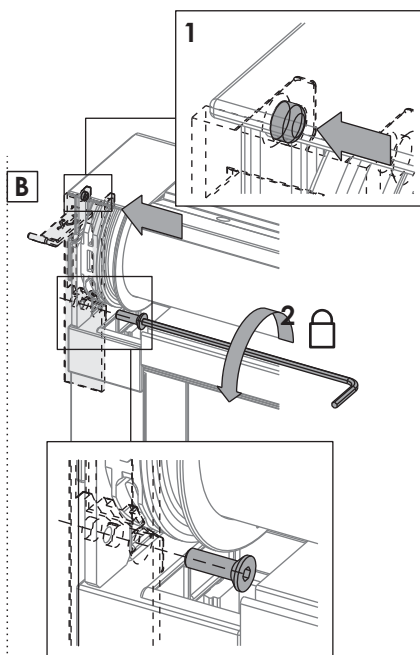
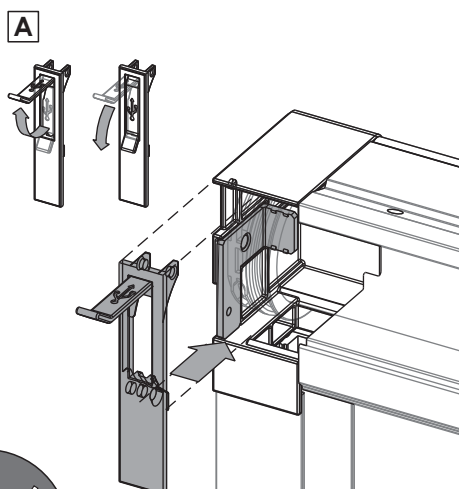
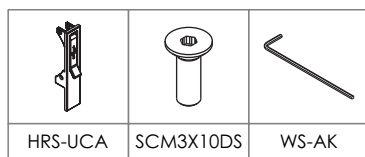
Approx. **5secs** **JOG X2**
BEEP X3

- E** Operate the screen down and up twice. To ensure the cord is spooling correctly.



Inspect that the cord is winding correctly

Fit USB Cover

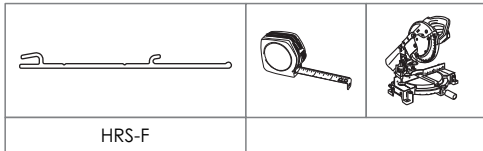


USB PORT P1 BUTTON AND BATTERY LIGHT INDICATOR ACCESS PORT



Close cover when not in use

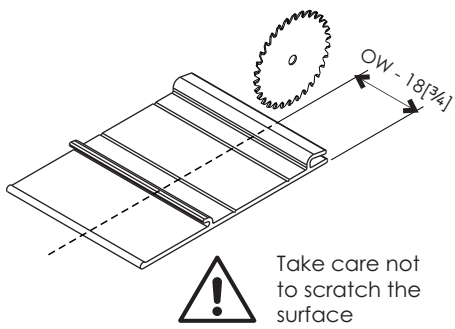
Fascia



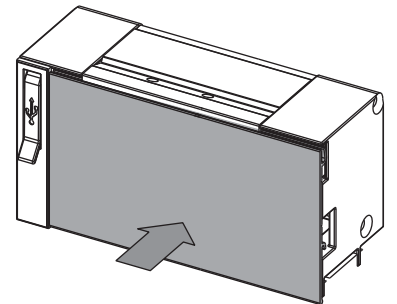
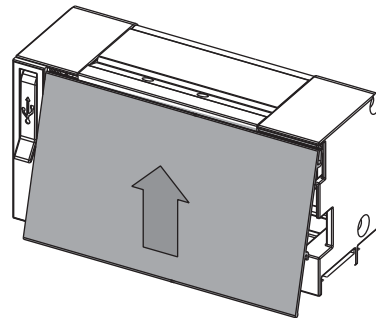
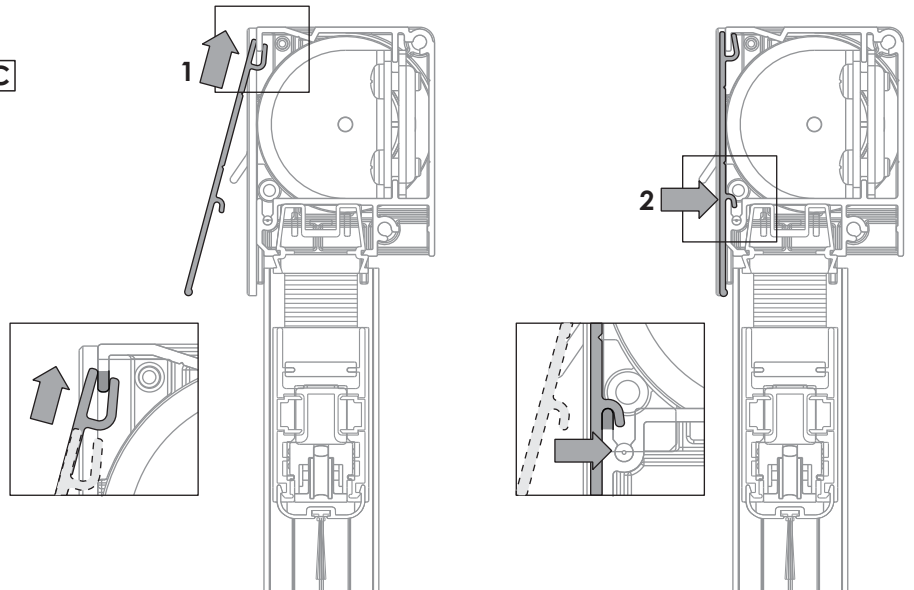
A



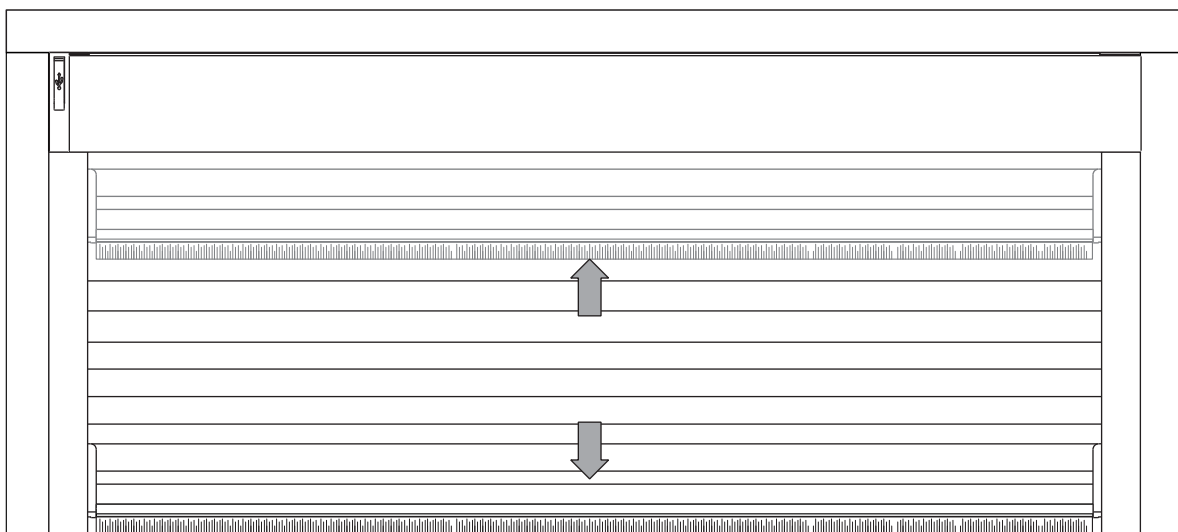
B



C

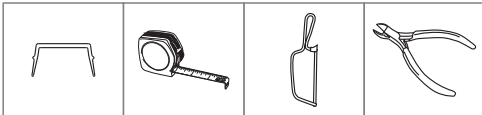


Initial Operation

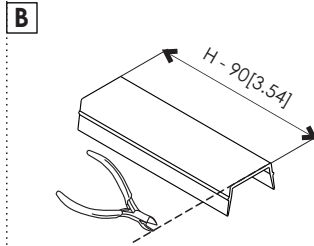
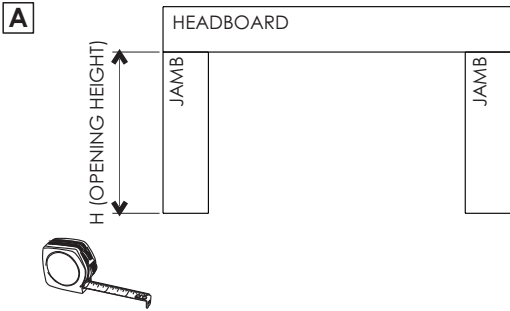


Operate **UP** and **DOWN 5 times** to settle the spooling of cord

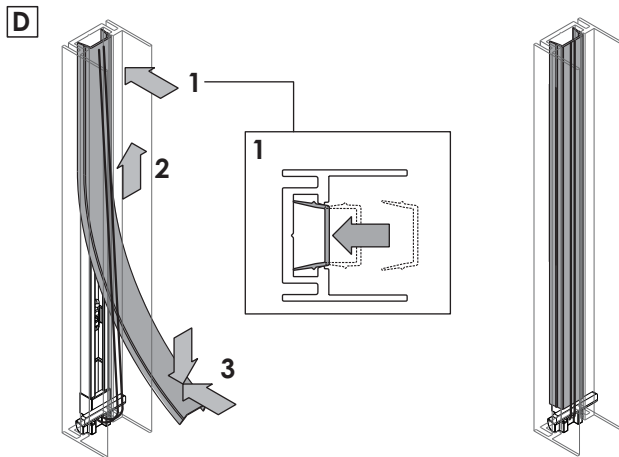
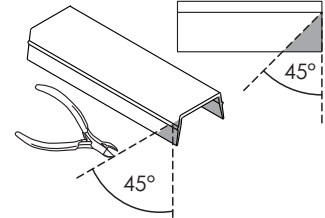
Channel Covers



WS-COVEXP



C Cut at 45° to create a lead in edge to help snap in the cover



If multiple WS-COVEXP are required, place shortest length closest to the sill



Cords must pass above Channel Cover

Repeat steps for other Jamb Channel (RST)

Installation complete

Additional Information

Battery Check Function

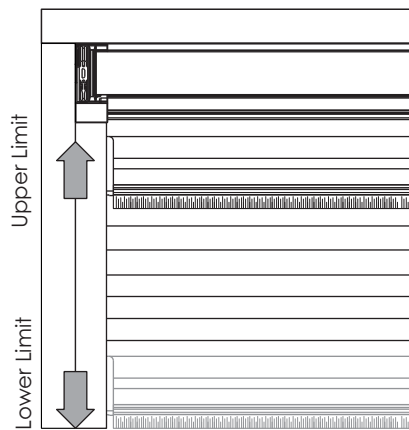
A Screen must be at Upper Limit

Hold **UP**

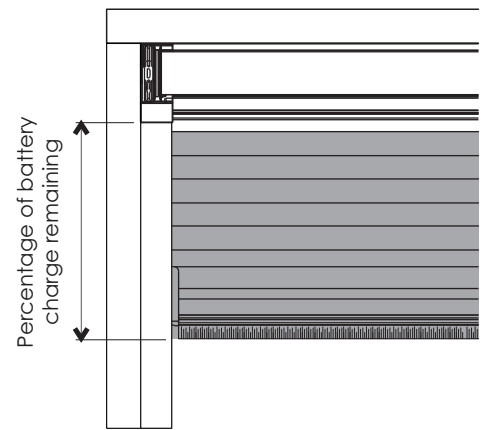


Motor Response

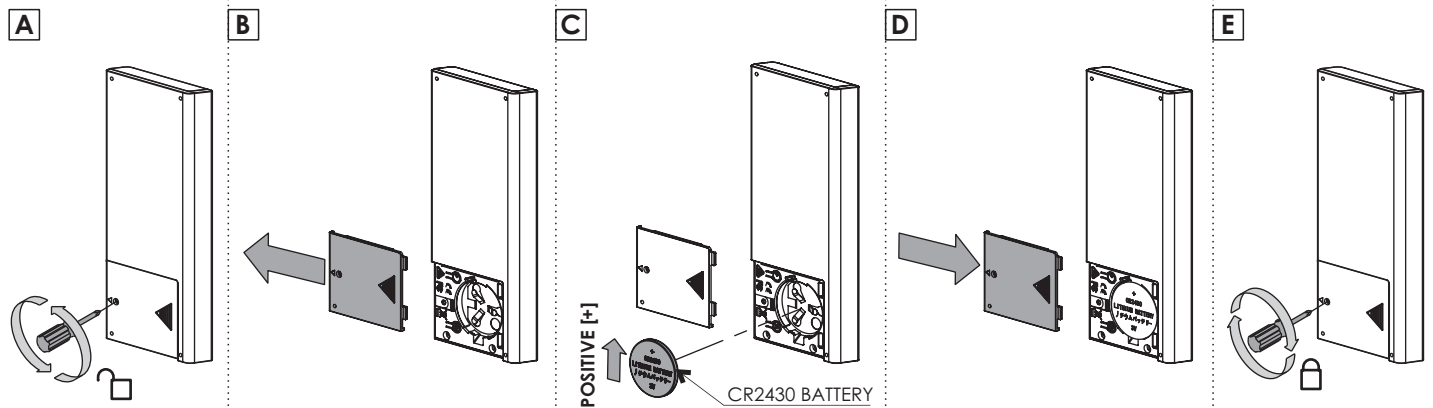
Approx. **5SECS**



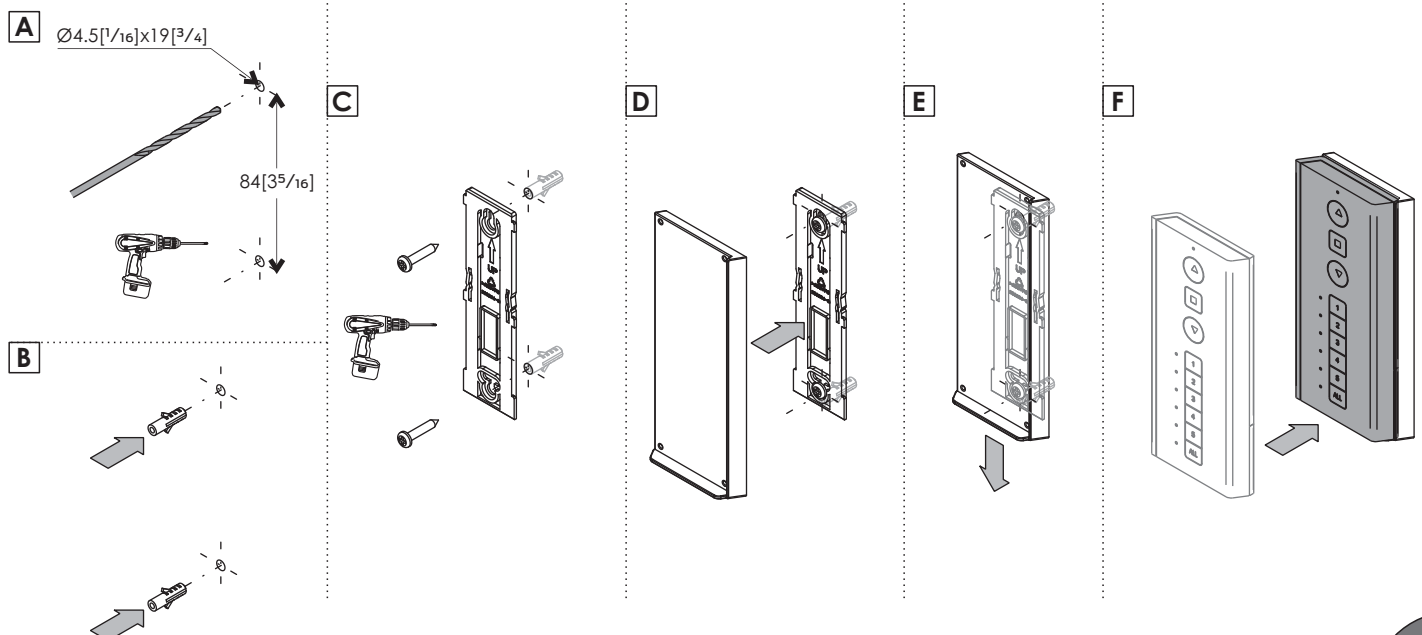
B Screen moves to percentage of battery change remaining



Remote battery replacement



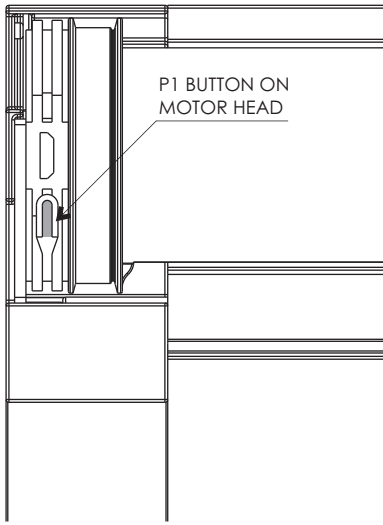
Wall mounting the remote



Troubleshooting

P1 Button Functions

P1 Button

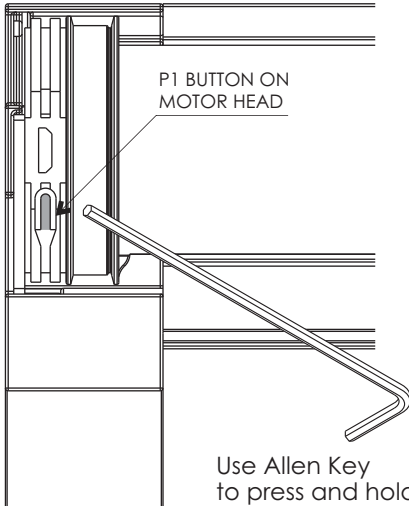


Motor state test

This table describes the function of a short **P1** Button press/ release (<2 seconds) depending on current motor configuration

| P1 Press | Condition | Function Achieved | Visual Feedback | Audible Feedback | Function Described |
|-------------|--|--|-------------------------------------|------------------|--|
| Short Press | If limit is NOT set | None | No Action | None | No Action |
| | If limits are set | Operational control of motor run to limit. Stop if running | Motor Runs | None | Operational control of motor after pairing and limit setting is completed first time |
| | If motor is in "Sleep Mode" & limits are set | Wake and control | Motor wakes and runs in a direction | None | Motor is restored from Sleep Mode and RF control is active |

Resetting Upper and Lower Limits



1. Use Allen Key to press and hold P1 Button for 14 seconds.

2. Motor Response

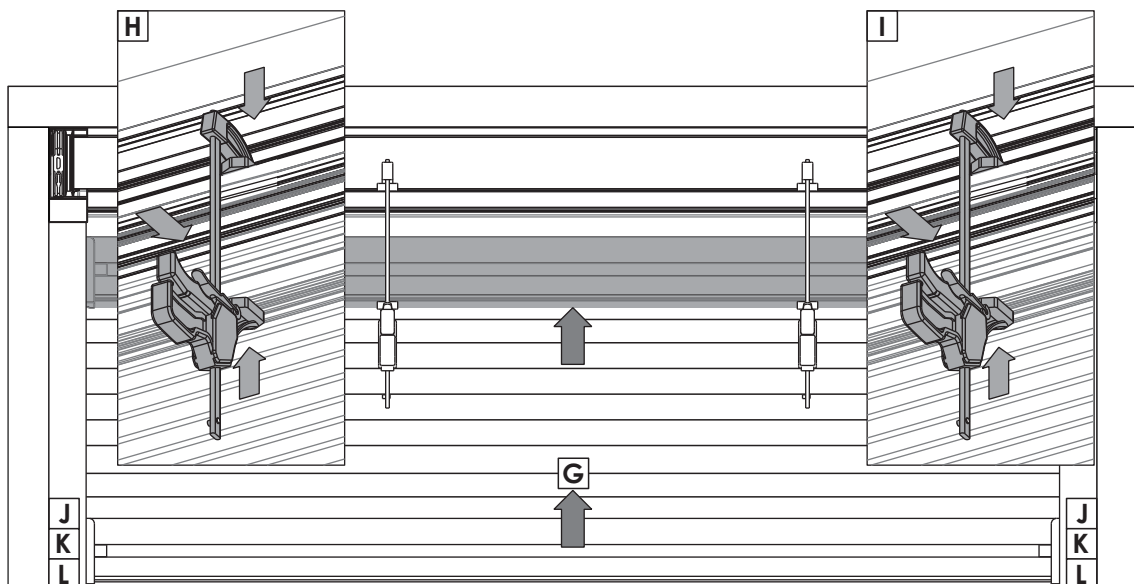
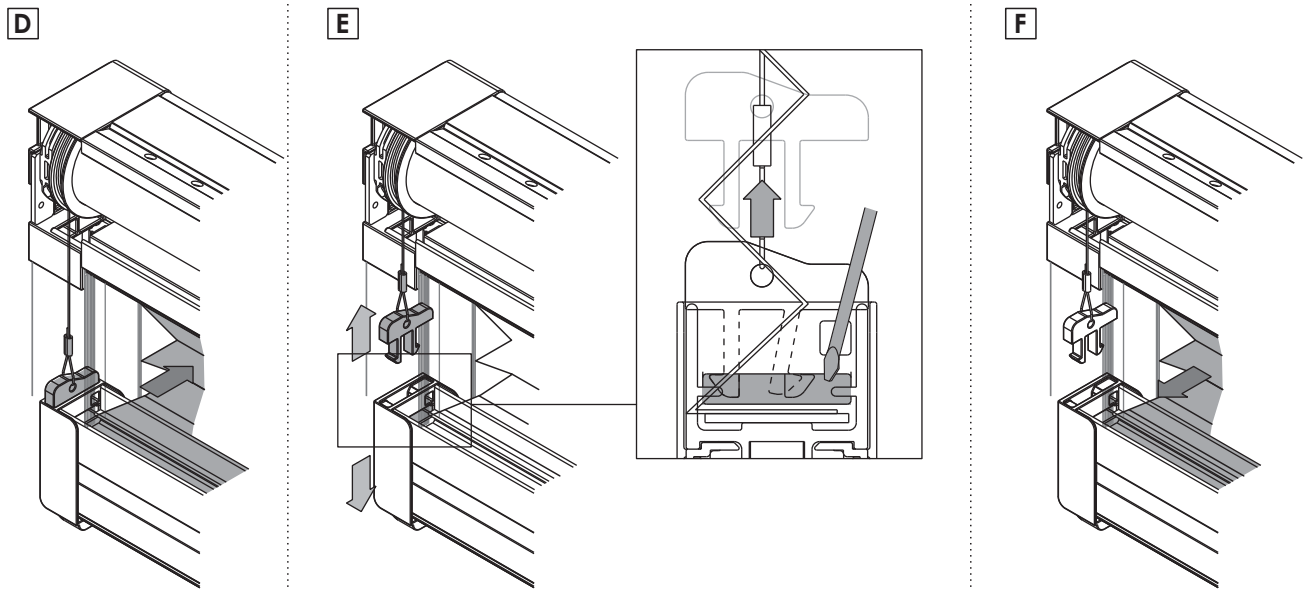
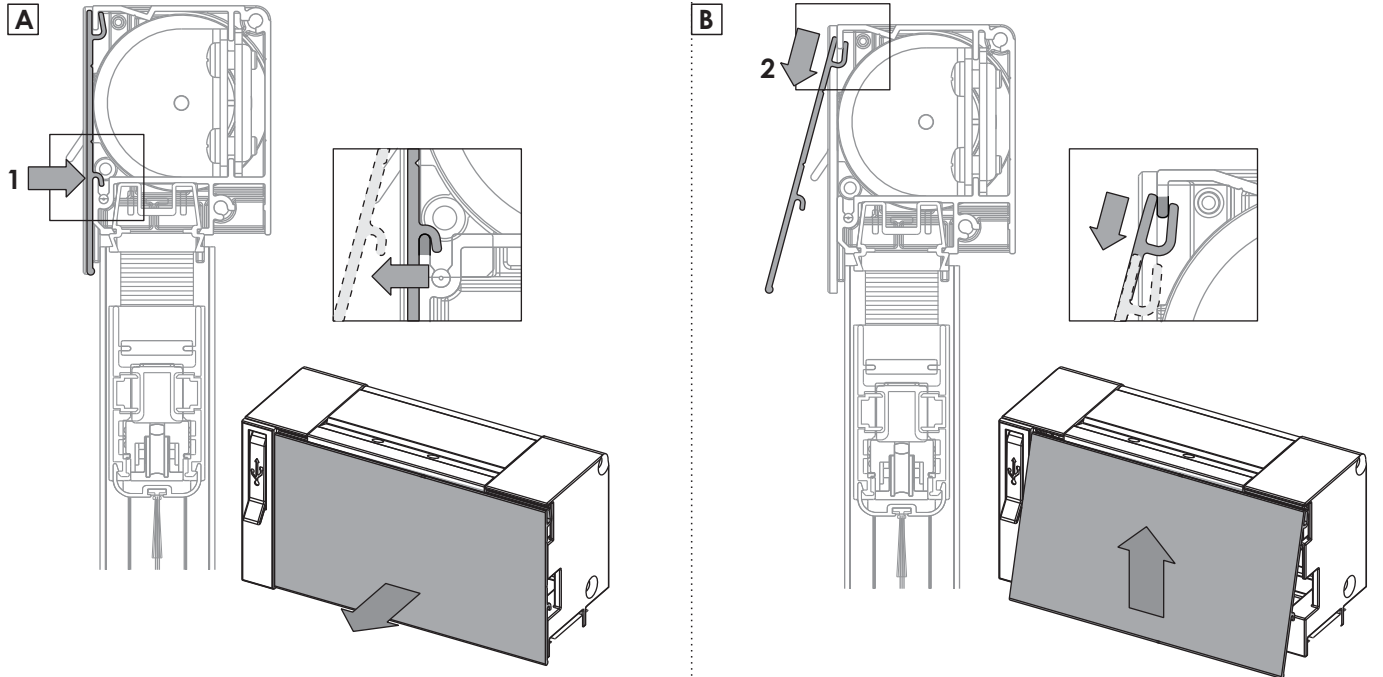


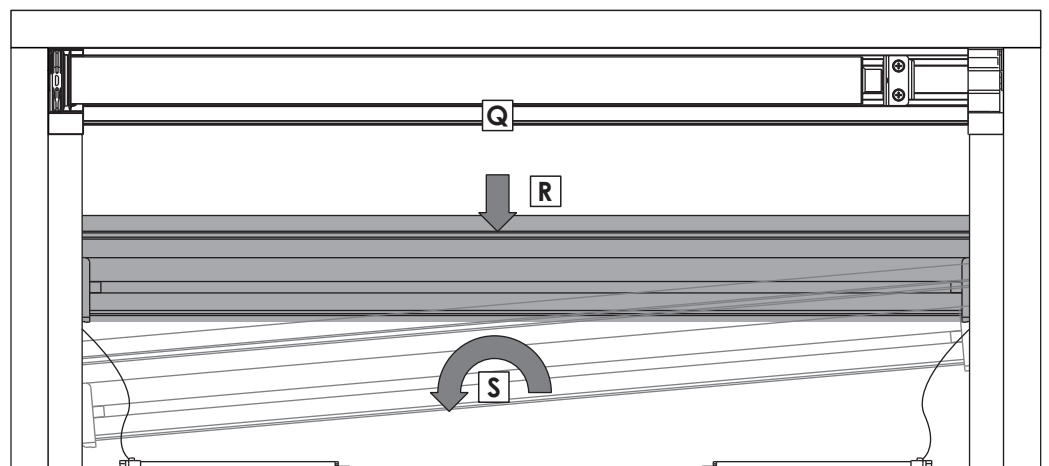
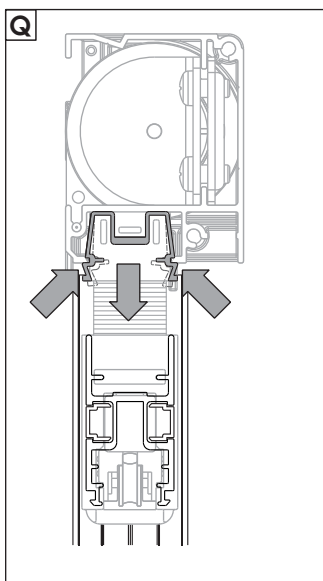
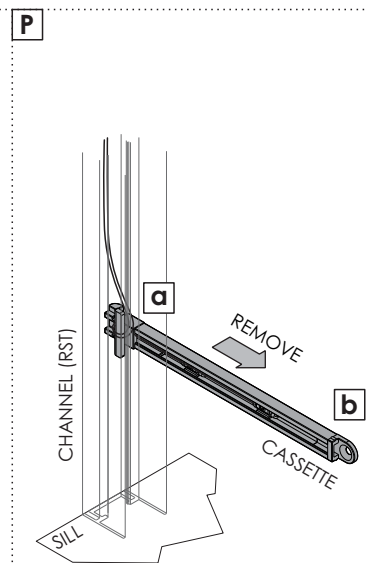
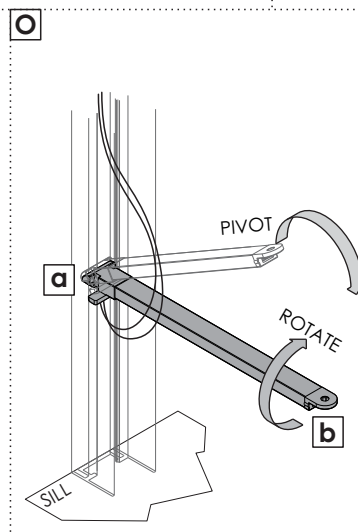
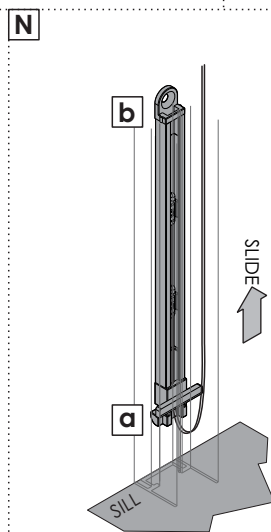
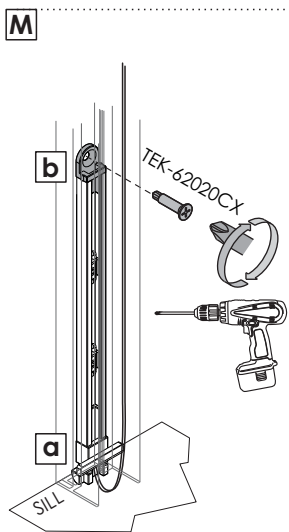
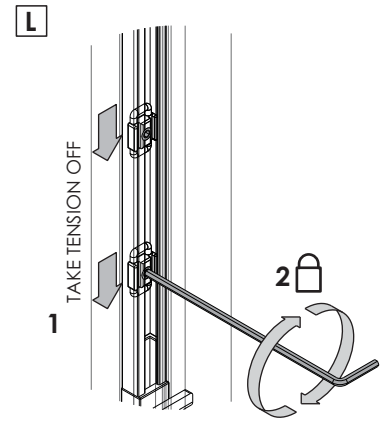
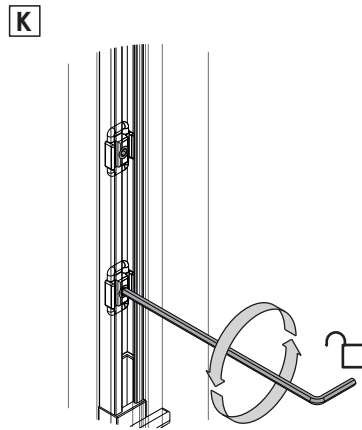
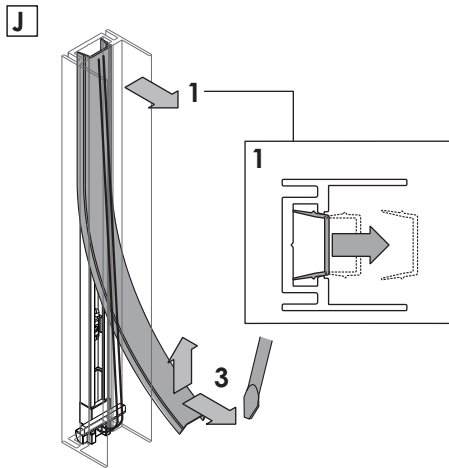
RELEASE P1

3. Repeat steps to pair motor with controller and set limits - refer pages 15 & 16.

| Problem | Cause | Remedy |
|---|--|---|
| Motor is not responding | Battery in motor is depleted | Recharge with compatible charger (see page 14) |
| | Transmitter battery is discharged | Replace battery (see page 19) |
| | Battery is inserted incorrectly into transmitter | Check battery polarity |
| | Radio interference/ shielding | Ensure transmitter is positioned away from metal objects and the aerial on motor or receiver is kept straight and away from metal |
| | Receiver distance is too far from transmitter | Move transmitter to a closer position |
| | Charging failure | Check power supply to motor is connected and active |
| Motor beeps x10 when in use | Battery voltage is low | Recharge with compatible charger |
| Cannot program a single motor (multiple motors respond) | Multiple motors are paired to the same channel | Always reserve an individual channel for programming functions. Use Sleep Mode to program individual motors. |

Screen replacement





Replace with new SCREEN KIT and follow instructions supplied

Care and Maintenance

The Brio 312 Retractable Pleated Insect Screen is designed to fit a variety of opening sizes and provides an effective barrier against insects entering your home. Once installed, Brio recommends the following steps should be taken to ensure many years of trouble free operation

Cleaning the Guide Channels

Dust and debris can collect in the guide channels over time. Removal of such build up is easy and important to the screen's smooth movement. While the screen is retracted, remove any debris with a soft cloth or a vacuum cleaner with a soft brush nozzle. Dusty or coastal environments will require regular cleaning.

Cleaning the Screen Mesh

The screen mesh should be lightly dusted to maintain an unobstructed view and air flow. While the screen is extended, remove any build up with a vacuum cleaner with a soft brush nozzle, care should be taken not to tear or rip the mesh.

Wind and Operating Tips

The screen is fitted with tensioning cords running vertically across the opening that provide stability to the screen, control the vertical orientation of the handle bar and help prevent the mesh from blowing out of its channel in windy conditions. Should the screen mesh blow out gently retract the screen, the mesh should self-feed back into the channels, if not simply pop the mesh back in the channel. On large openings the screen mesh acts like a sail, in gusty or windy conditions Brio recommends to keep the screen retracted

Servicing

If the mesh is damaged or a tension cord breaks, the screen will need to be replaced. The screen has been designed to be interchangeable with a replacement screen assembly which is reinstalled into the existing channels. Brio recommends contacting the original installer to have the screen cut to size and refitted or **please contact Brio for further assistance.**

Motor

Statement Regarding FCC / IC Compliance

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received including interference that may cause undesired operation

Note:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.



Do not dispose of in general waste
Please recycle batteries and damaged
electrical products accordingly

