

Brio® 312 Retractable Pleated Insect Screen

Brio Australia

P: 1800 098 094

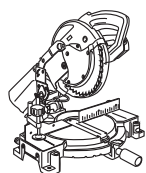
W: brio.com.au

E: info.au@allegion.com

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



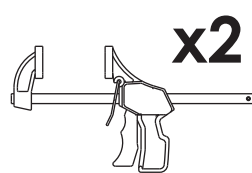
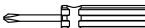
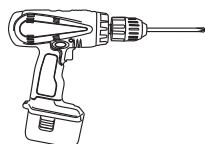
Recommended Tools



Note: Blade suitable for aluminium



Note: Blade suitable for aluminium

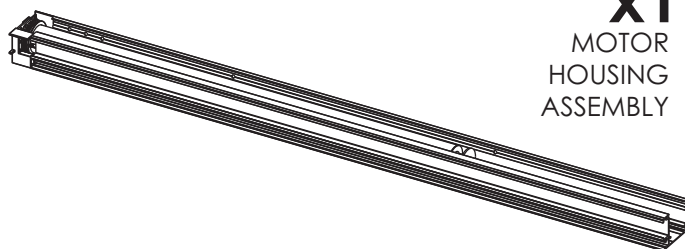


x2

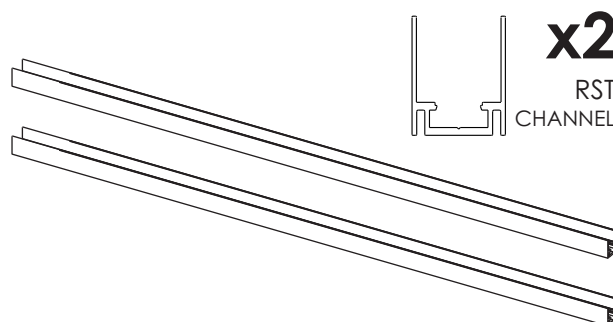


Note: Low adhesive

Box 1 - Framing Kit

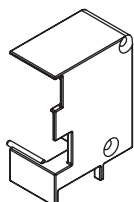


x1
MOTOR
HOUSING
ASSEMBLY



x2
RST
CHANNEL

312 Screen Fitting Pack



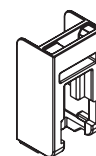
x1
HRS-002
END CAP
(RIGHT)



x1
HRS-UCA
USB COVER



x2
HRS-015
MESH SUPPORT (H)



x2
HRS-016
NOSE END CAP

312 Screen Fixing Pack



x1



x2



x1



x28



x2



x11

WS-AK
ALLEN KEY

SC8GX37.5S

SCM3X10DS

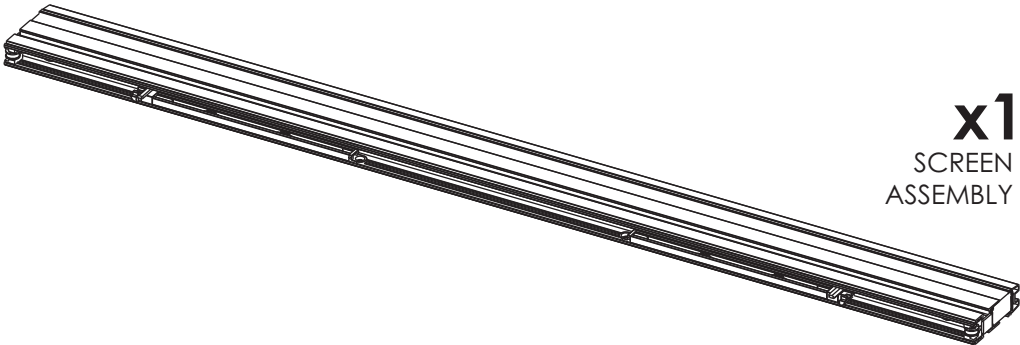
SPK-SG8GX19SS

TEKS-62020CX

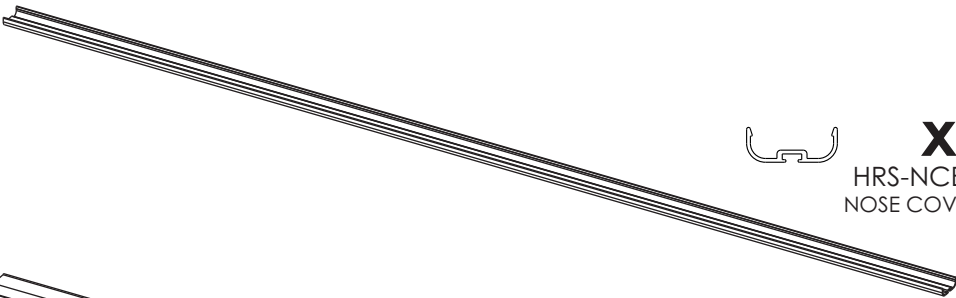
SP8X25S

Box 2 - Screen Kit

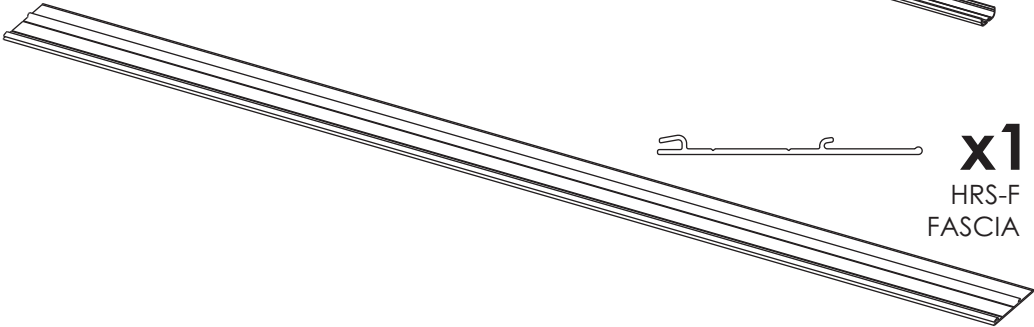
Box 2 - Screen Kit



x1
SCREEN
ASSEMBLY

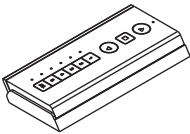


 **x1**
HRS-NCEx
NOSE COVER

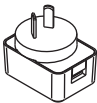


 **x1**
HRS-F
FASCIA

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

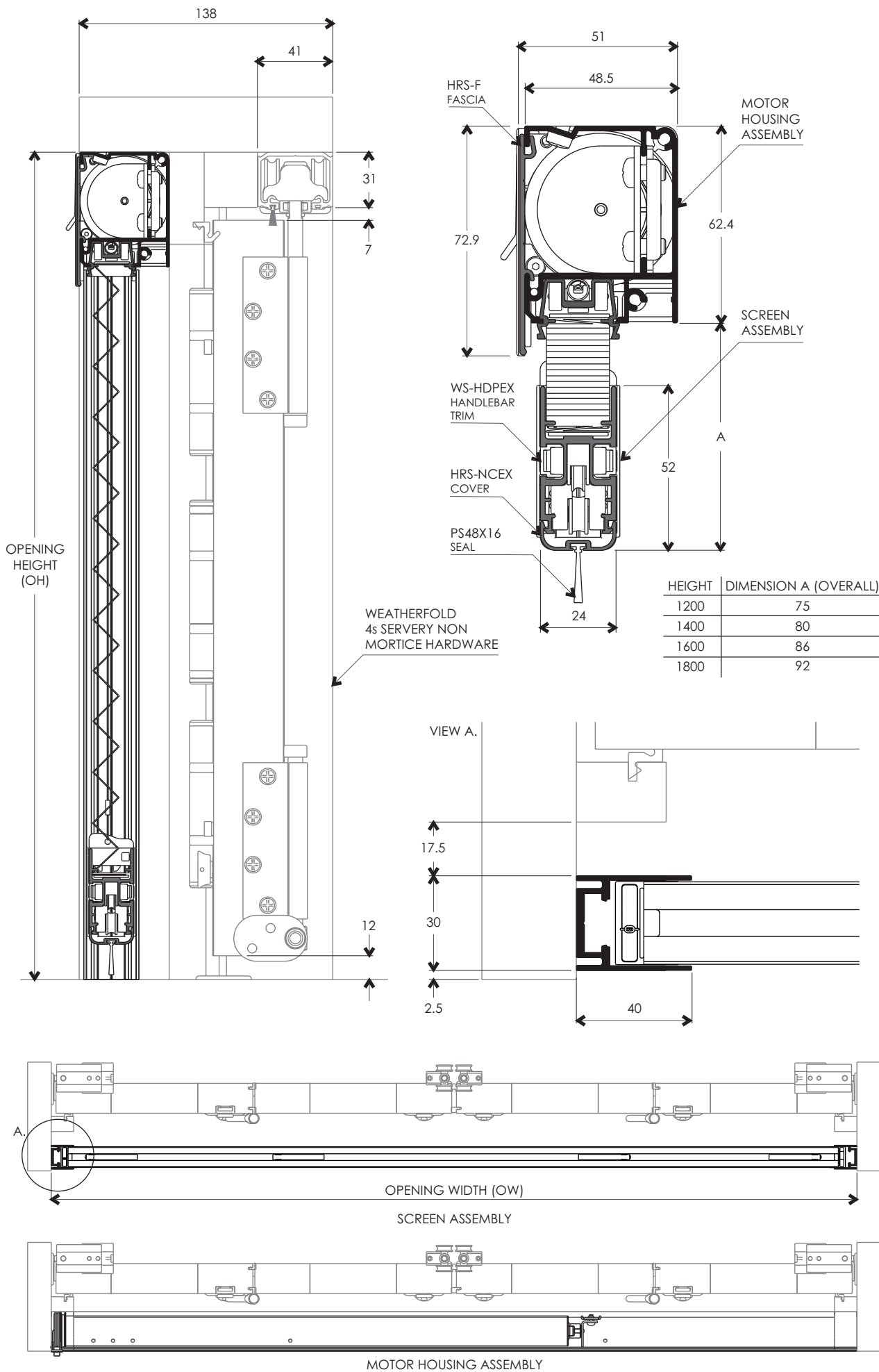


x2
WS-HDPEX
HANDLE BAR TRIM

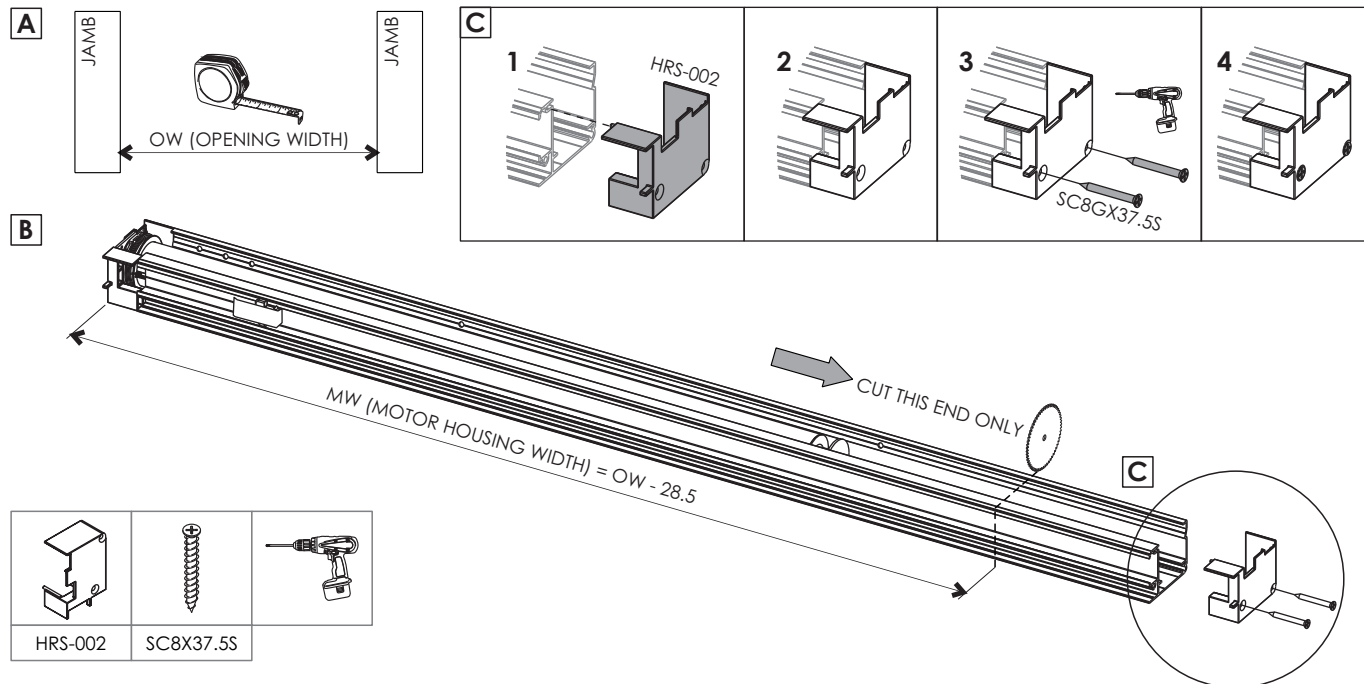


x1
P48X16
SEAL

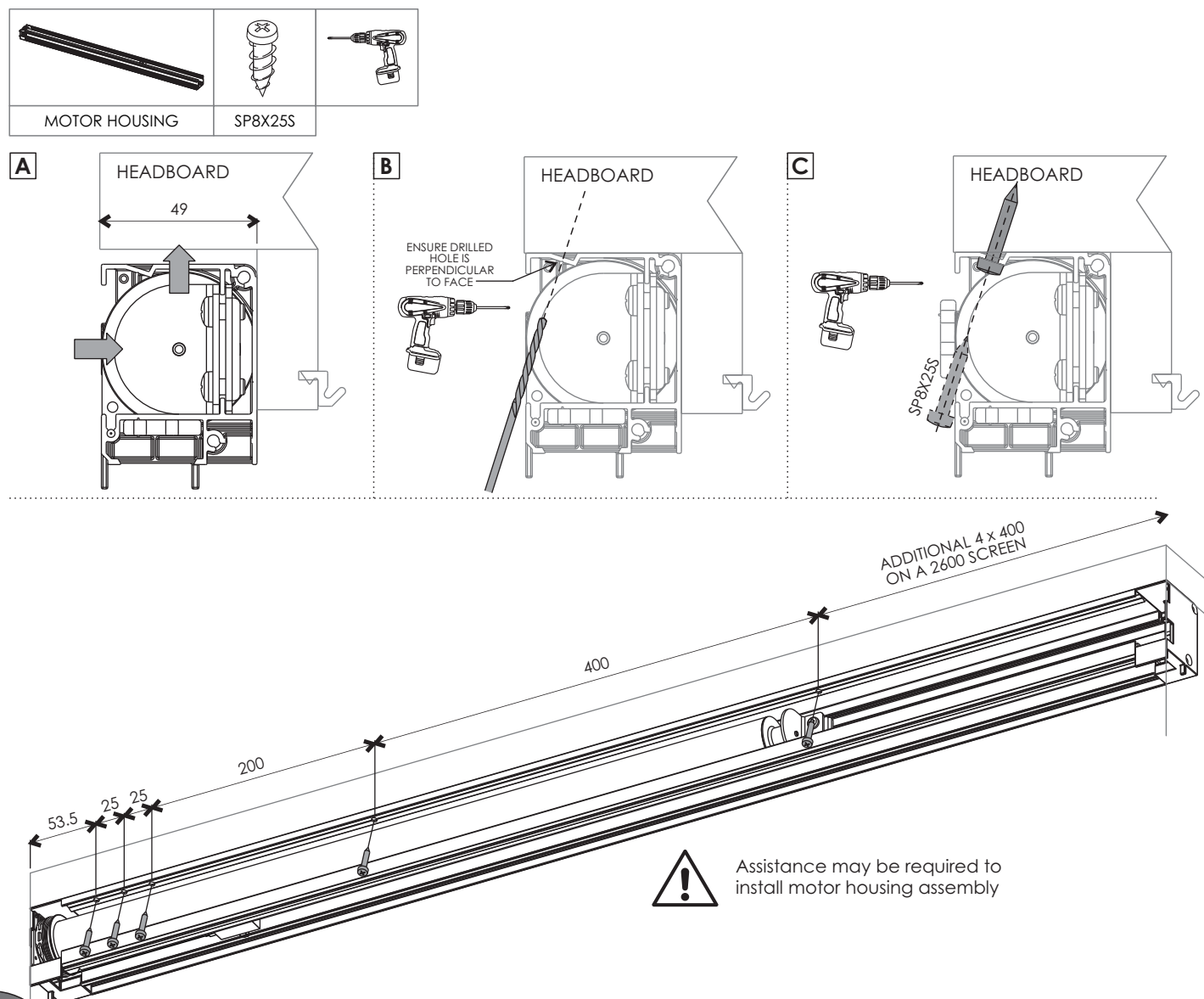
System Overview



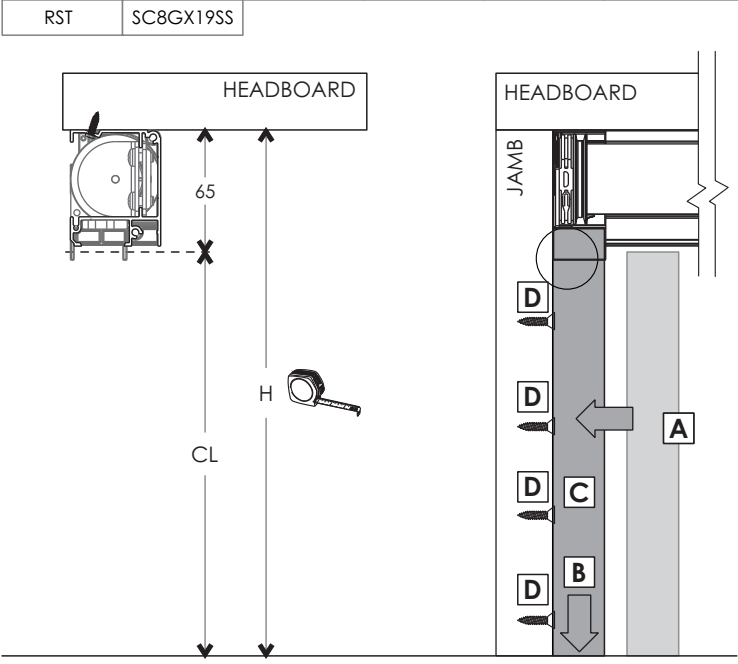
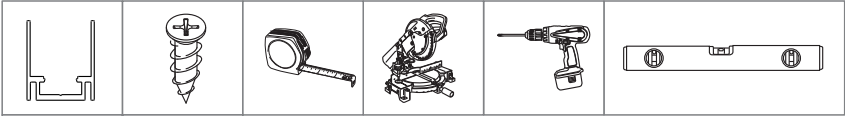
Cut & assembly of motor housing



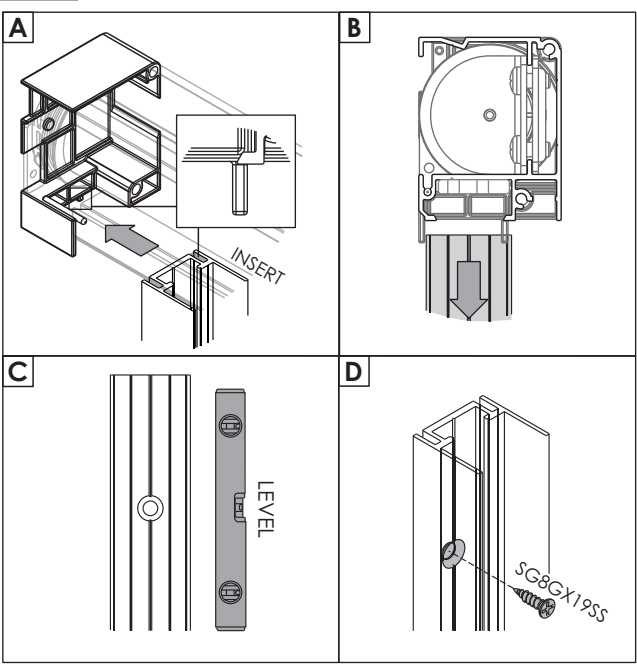
Fitting motor housing



Preparing and fitting jamb channel (RST)

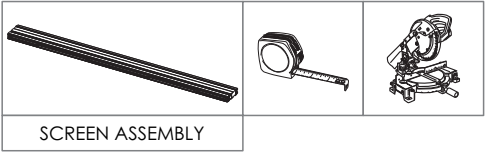


CL (CHANNEL LENGTH) RST = H - 65



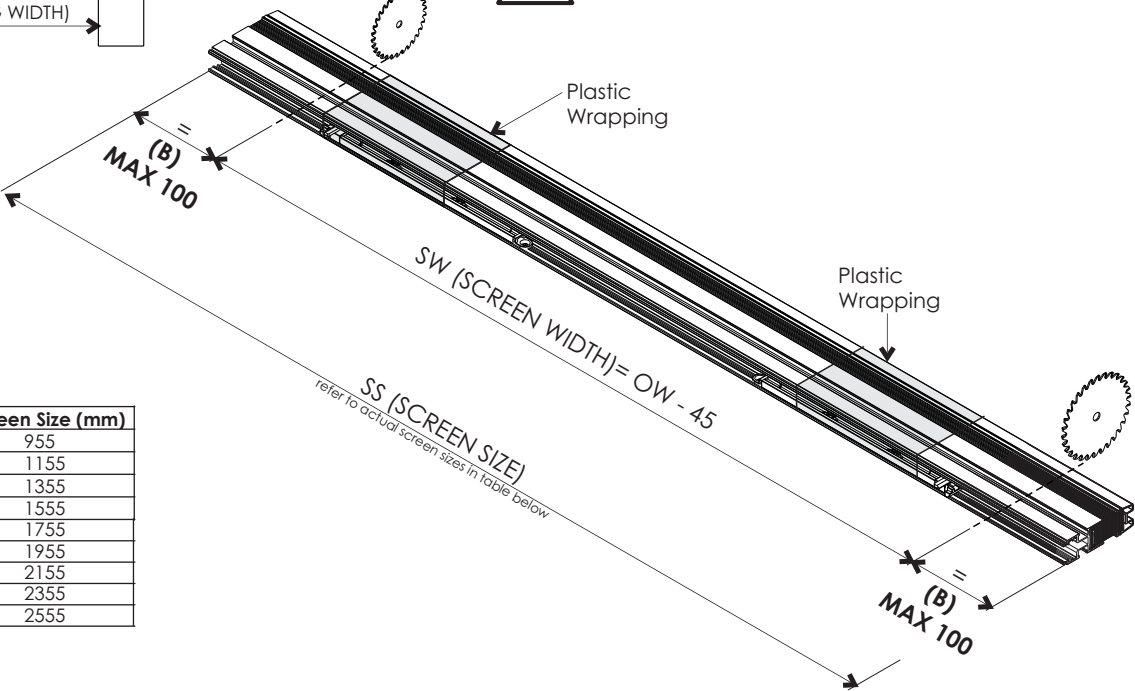
Repeat steps for other Jamb Channel (RST)

Cutting screen assembly



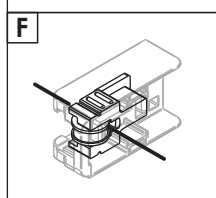
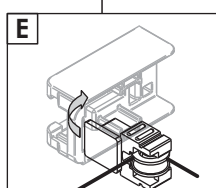
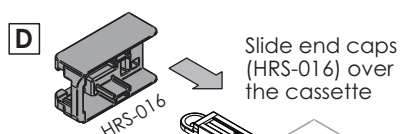
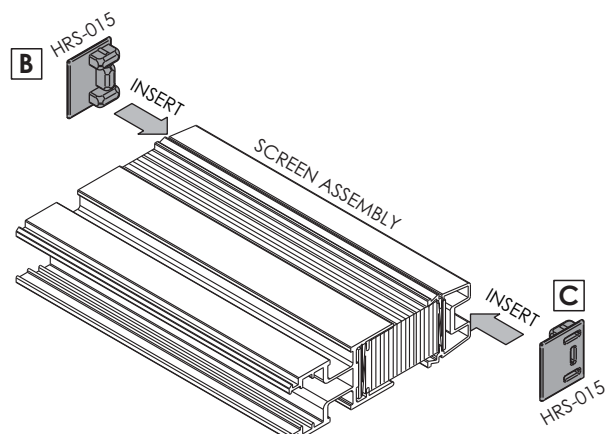
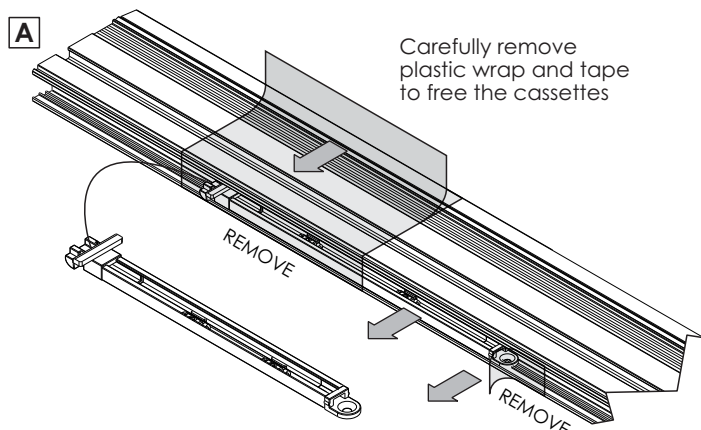
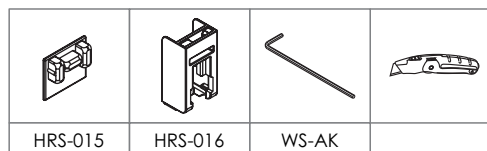
CUTTING SIZE (B) = $\frac{SS \text{ (SCREEN SIZE)} - SW \text{ (SCREEN WIDTH)}}{2}$

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

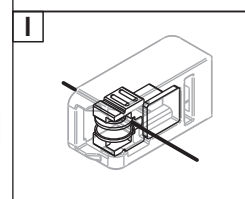
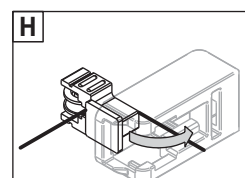


Product Code	Screen Size (mm)
RSWA-XX-10BK	955
RSWA-XX-12BK	1155
RSWA-XX-14BK	1355
RSWA-XX-16BK	1555
RSWA-XX-18BK	1755
RSWA-XX-20BK	1955
RSWA-XX-22BK	2155
RSWA-XX-24BK	2355
RSWA-XX-26BK	2555

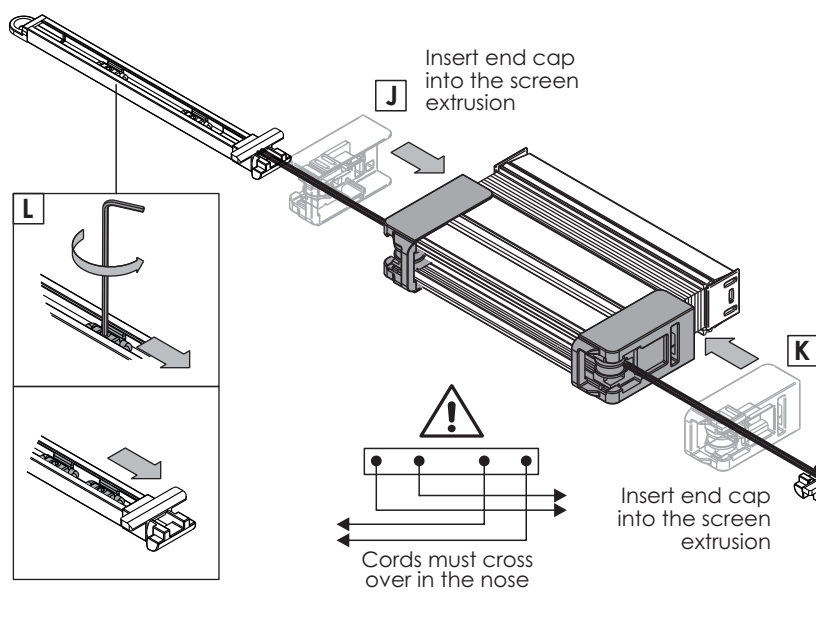
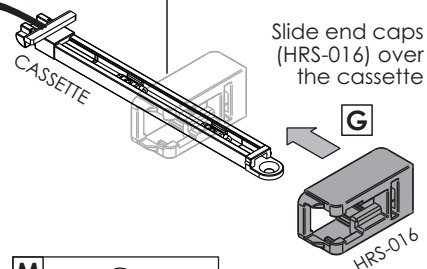
Mesh Retainer & End Caps



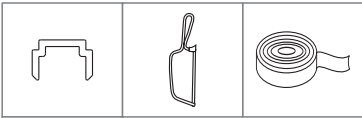
Insert bearing with pivot action



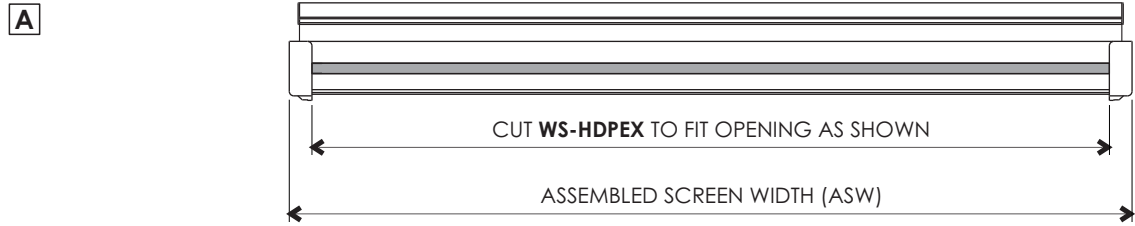
Insert bearing with pivot action



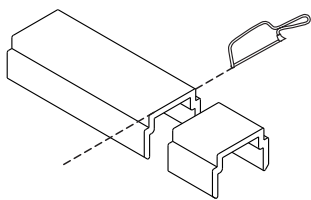
Nose Trim



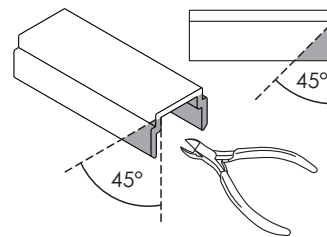
WS-HDPEX



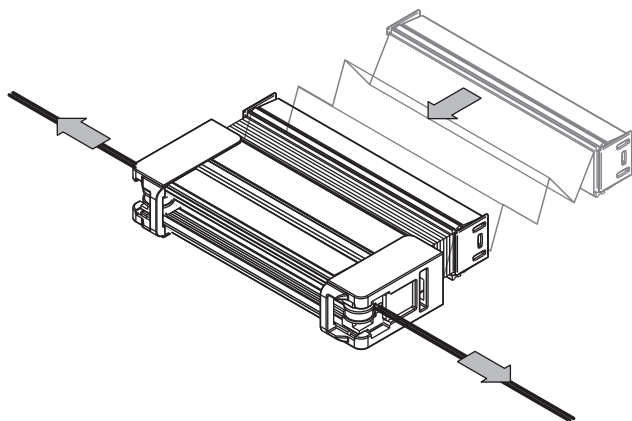
B Cut handle bar trim to size



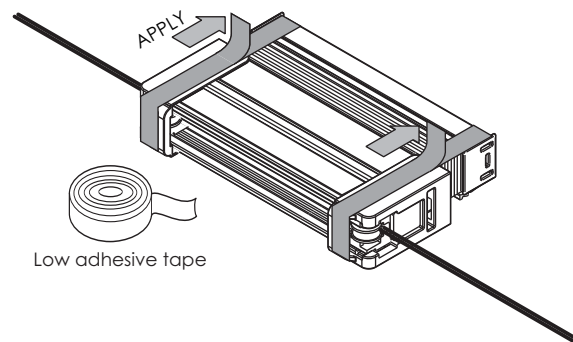
C Cut end at 45° to create a lead in edge to help snap in the trim



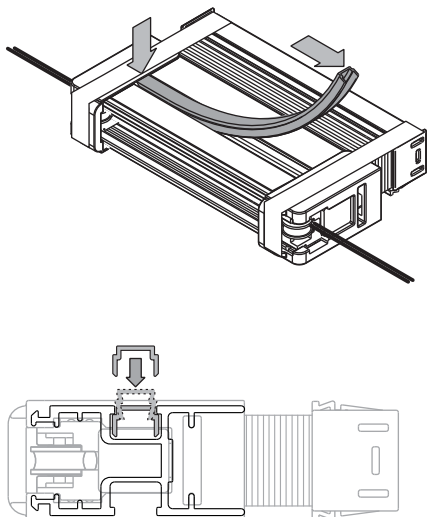
D Ensure mesh is compressed



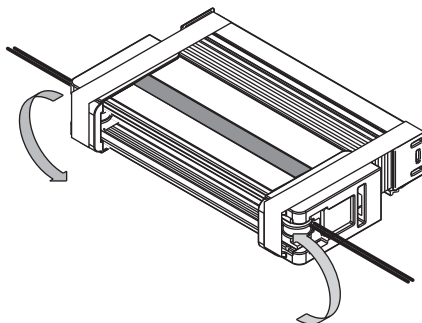
E



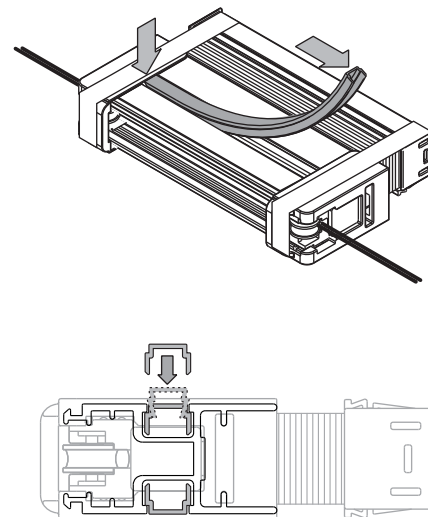
F Clip in handle bar trim



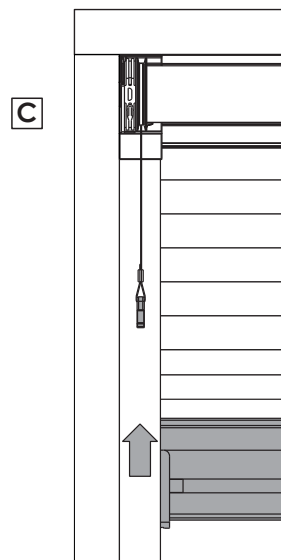
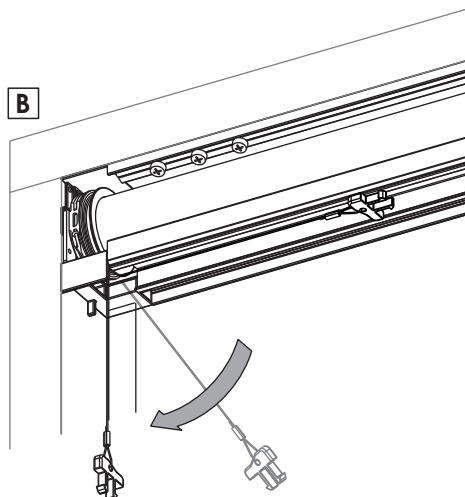
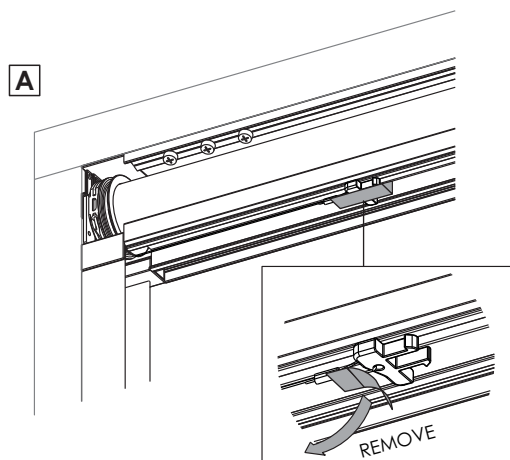
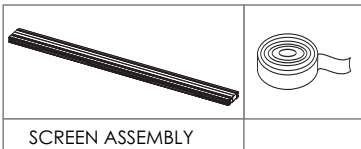
G Flip screen to clip handle bar trim on the other side



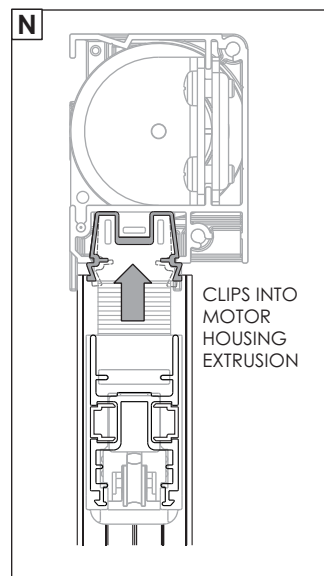
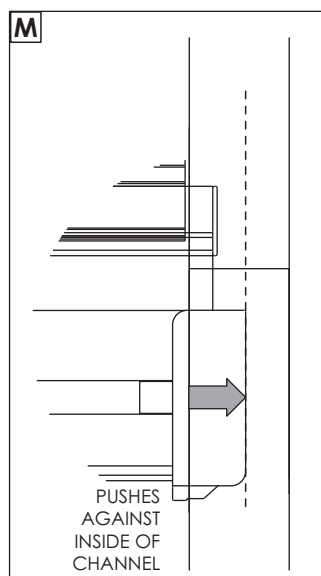
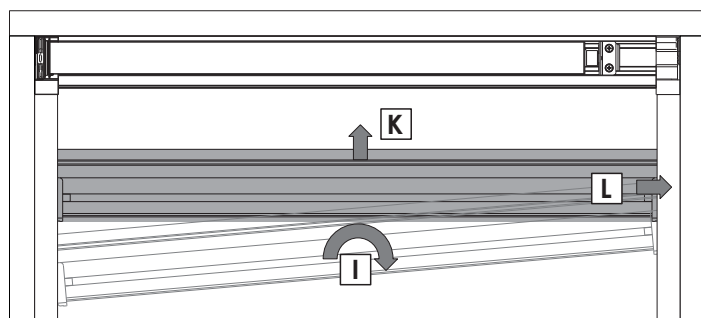
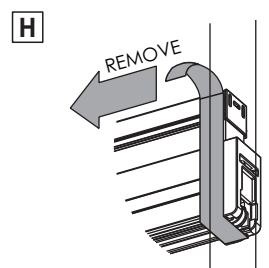
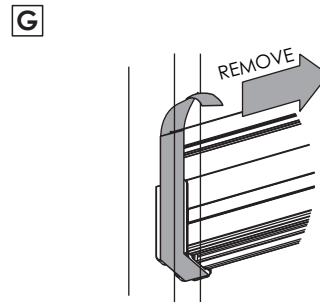
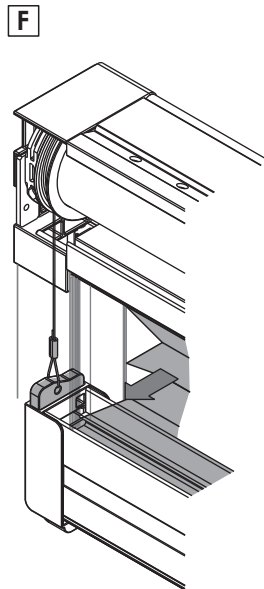
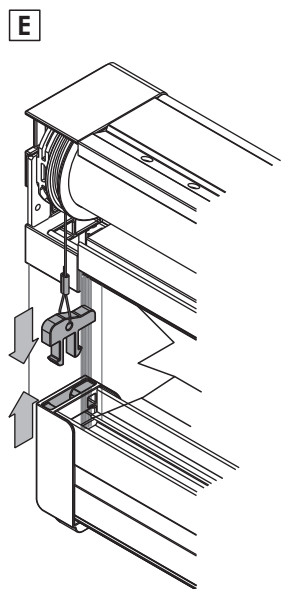
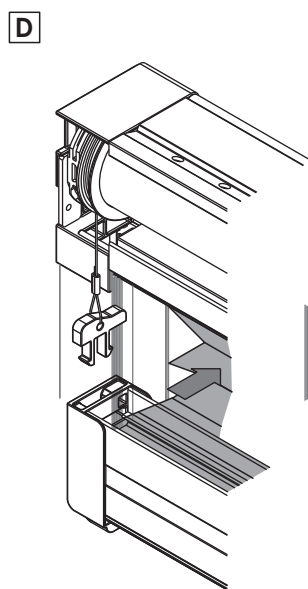
H Clip in handle bar trim

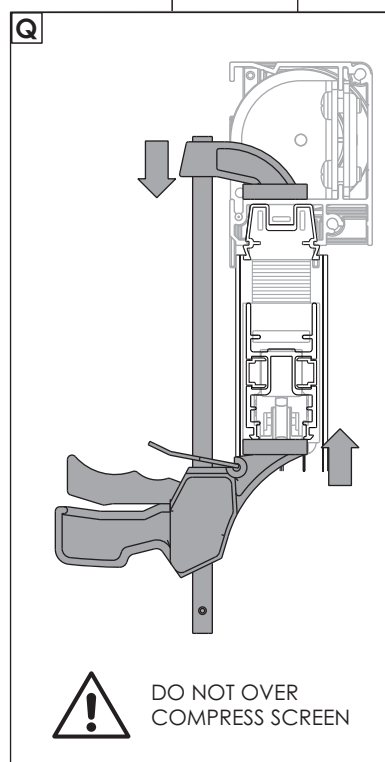
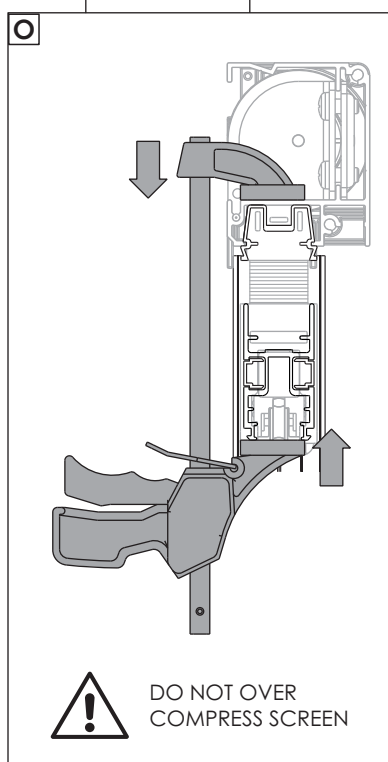
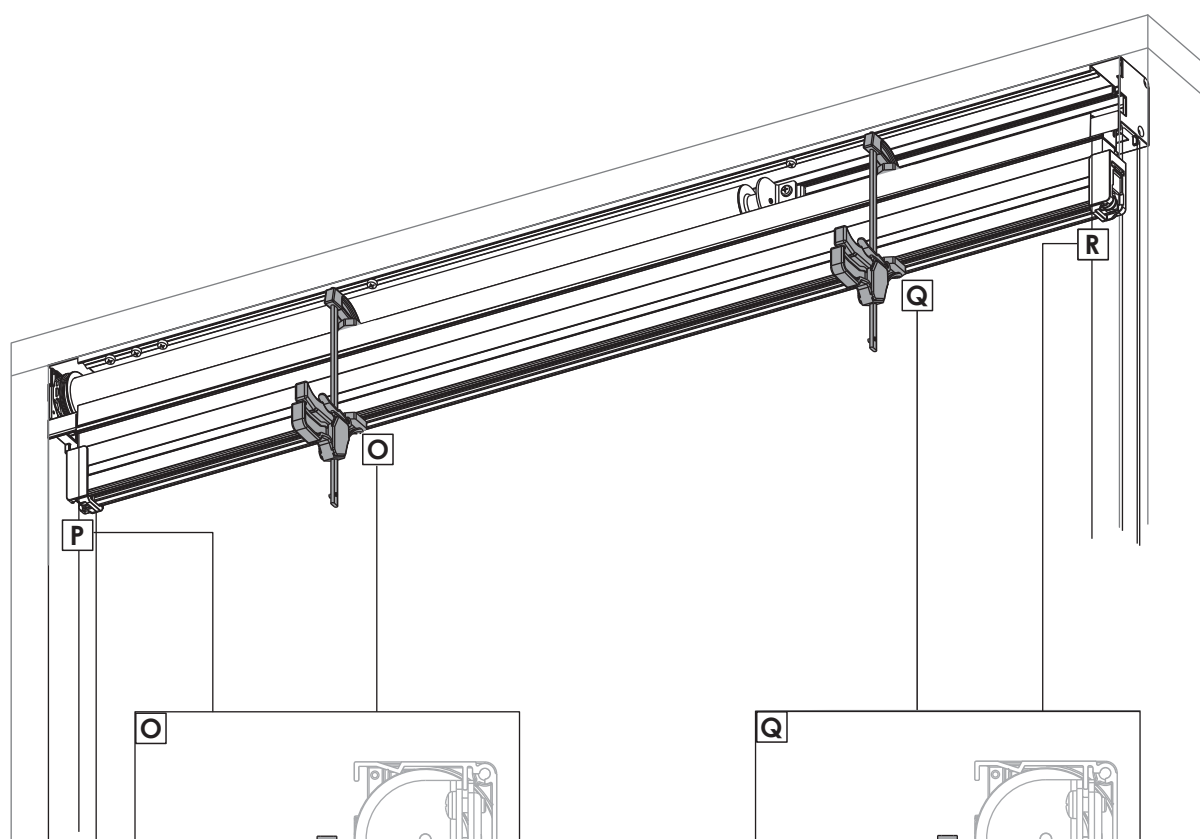
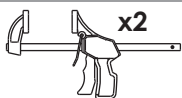


Screen Assembly

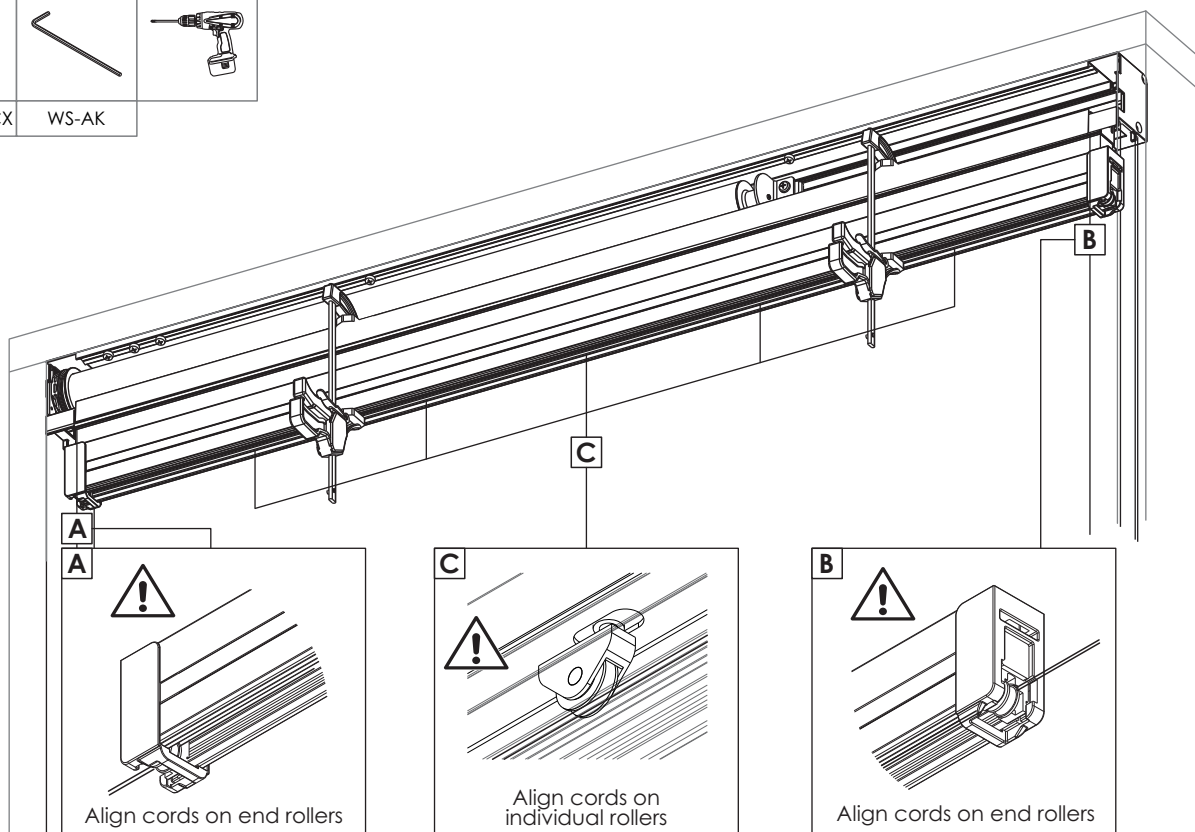
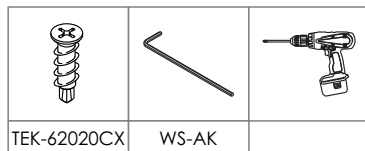


Lift handle bar to the clip

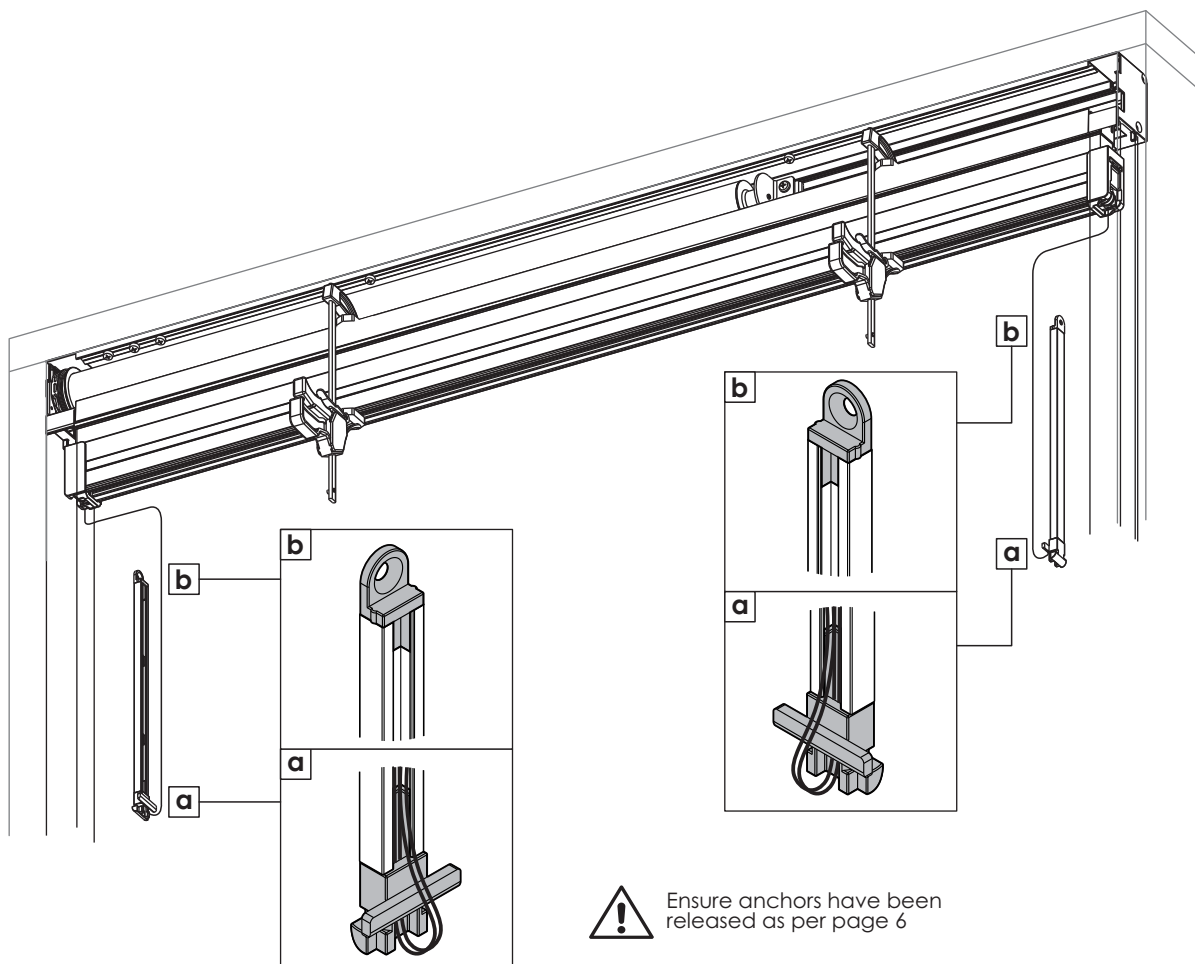


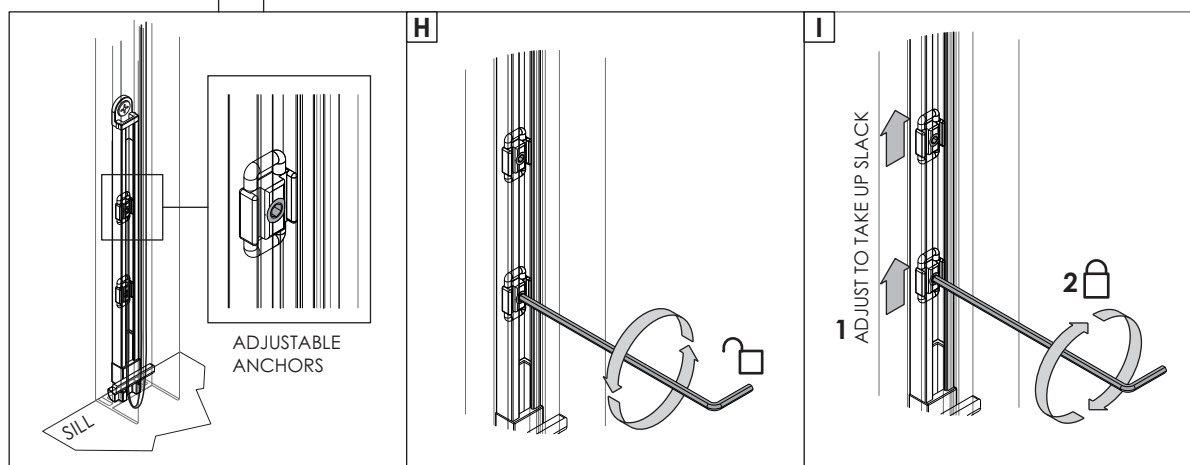
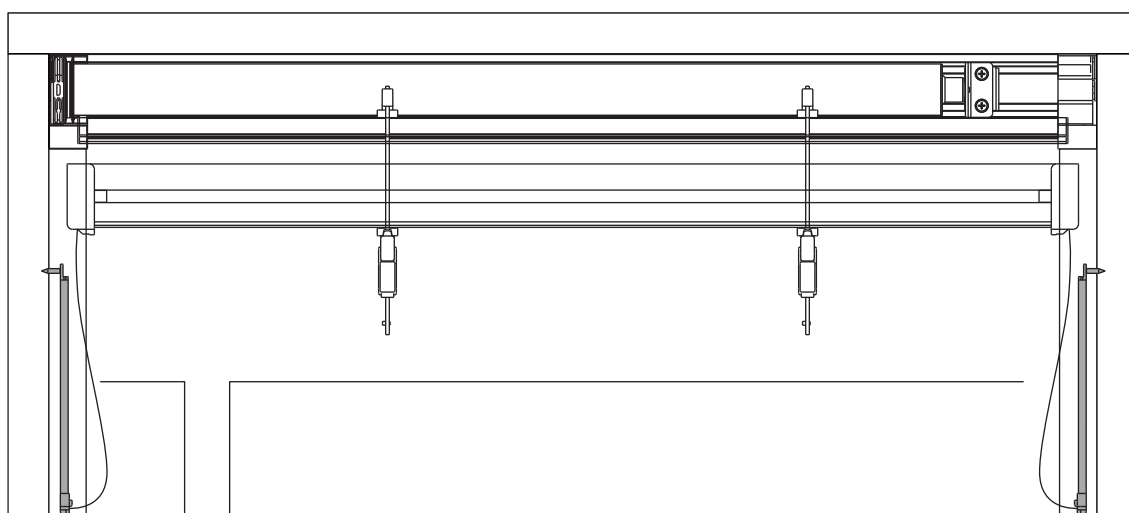
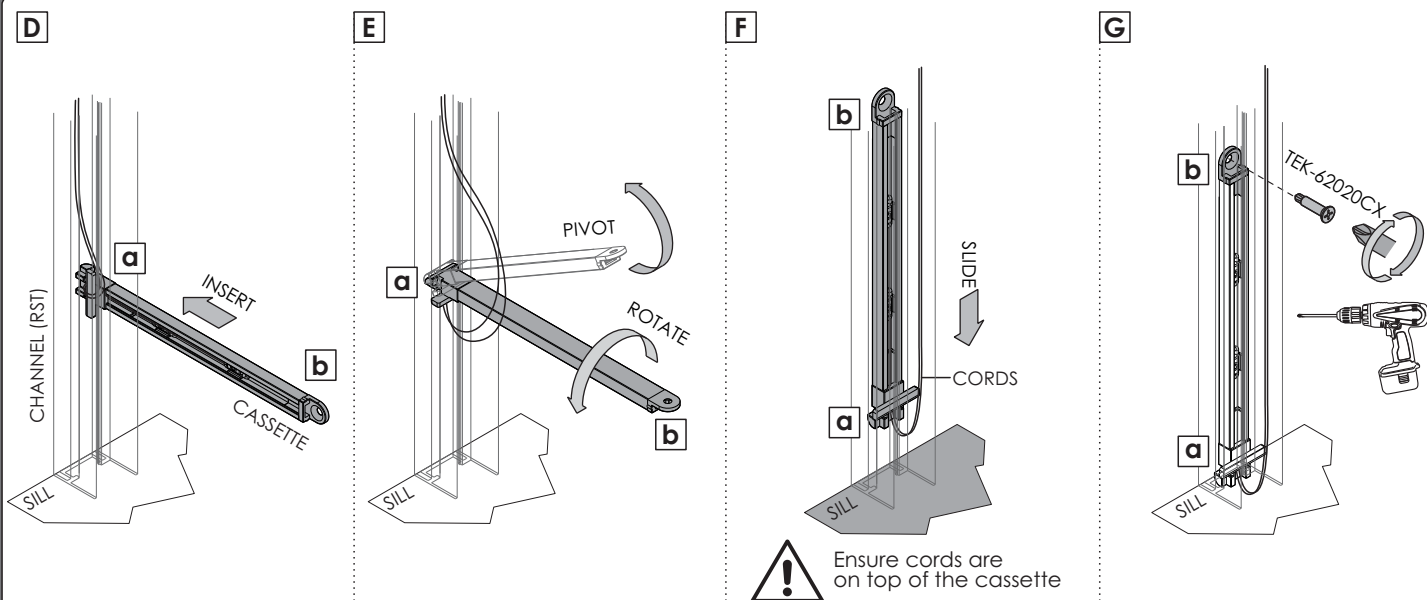


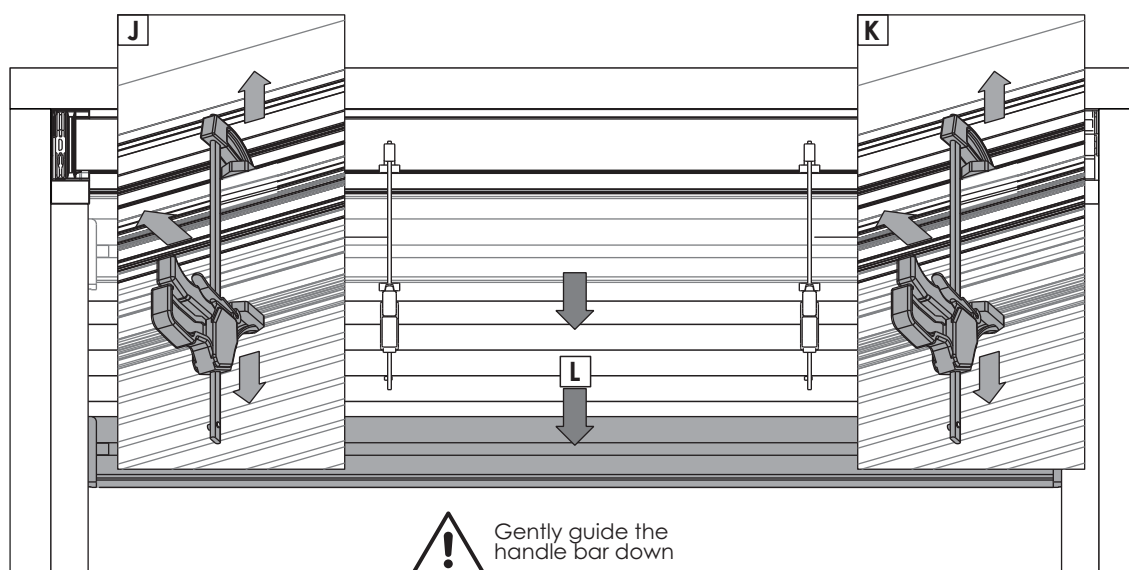
Fitting cassettes & handlebar adjustment



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



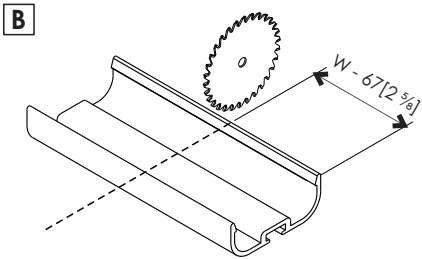
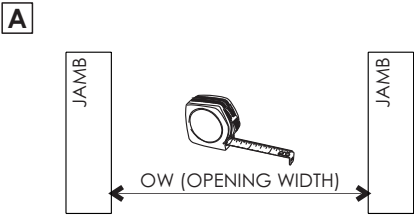




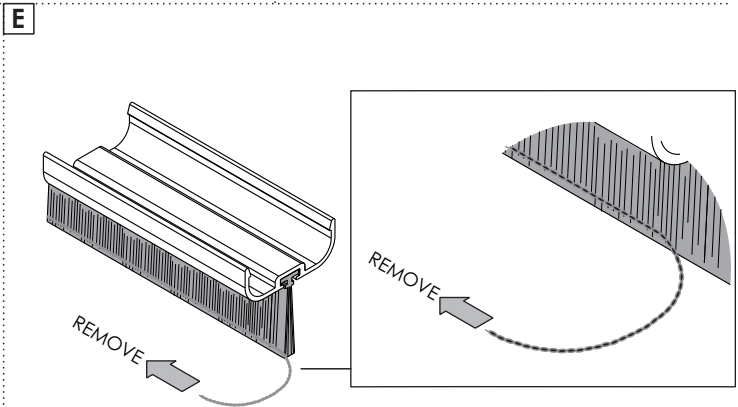
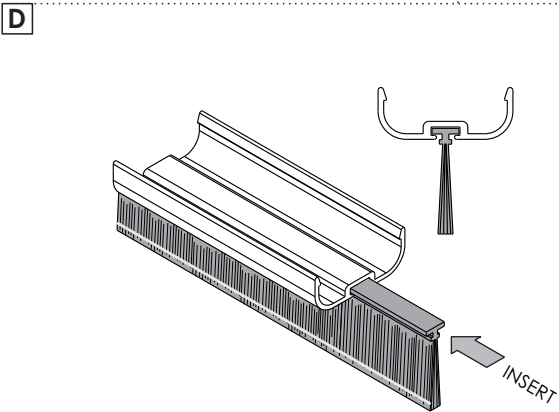
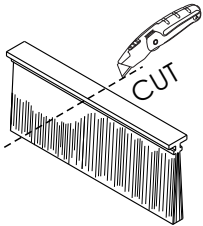
Preparing and fitting nose cover



HRS-NCEX PS48X16

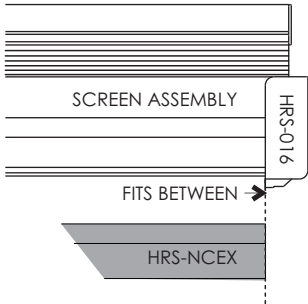
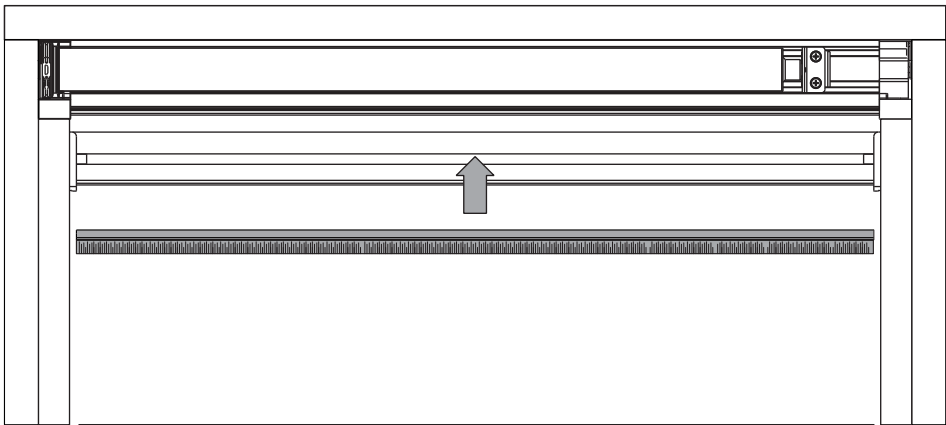
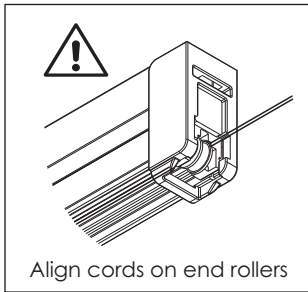
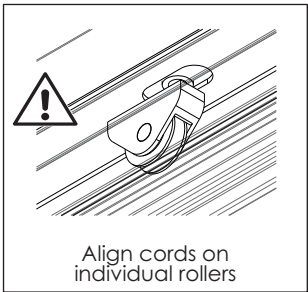
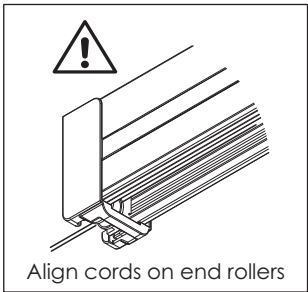


C Cut Seal (P48X16)
(Same length as HRS-NCEX)



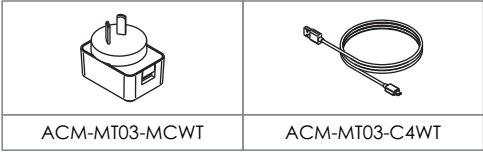
F Fit Nose Cover (HRS-NCEX).

! DOUBLE CHECK:

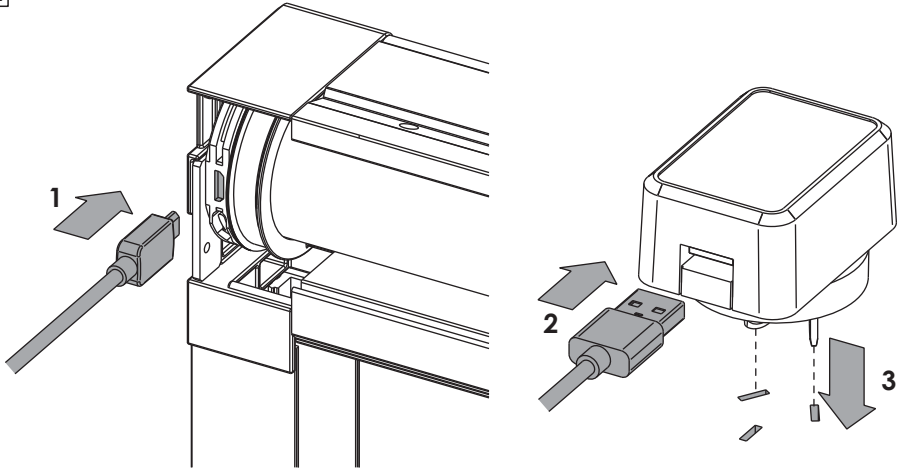
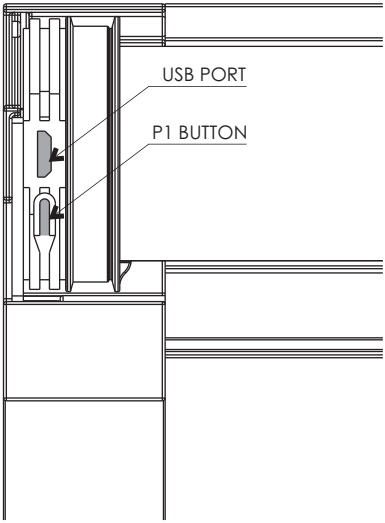


Screen is now ready to setup the motor

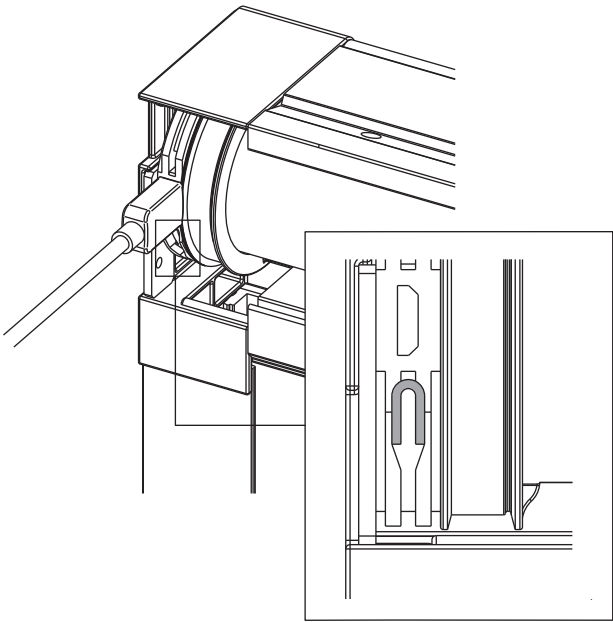
Motor & Remote



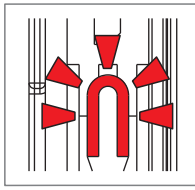
A



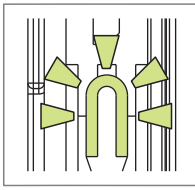
B



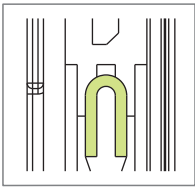
Fully charge the battery once configured



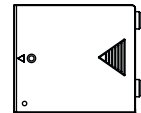
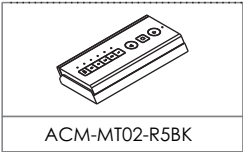
Flashing "red"
Recharge +
10 x beeping



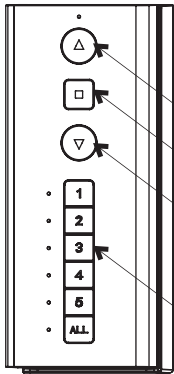
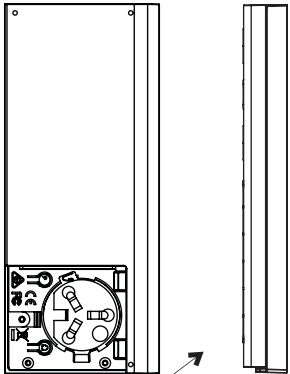
Flashing "green"
Charging



Solid "green"
Charged



LOCK



UP BUTTON

STOP BUTTON

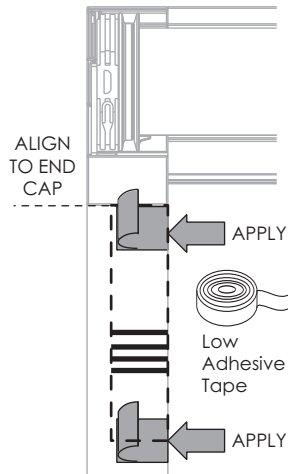
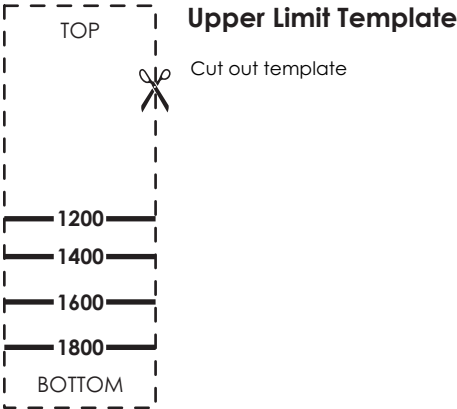
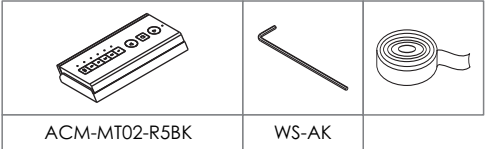
DOWN BUTTON

CHANNEL



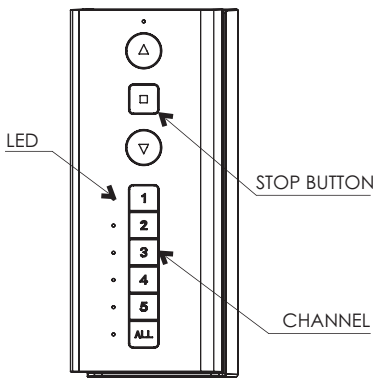
WARNING:
Contains button or
coin cell battery

Remote setup



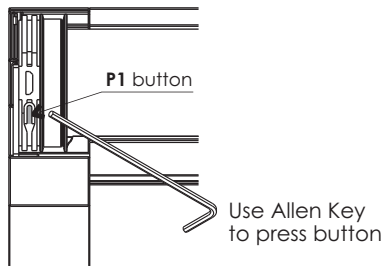
Pair motor with controller - Important: Step B and C are done together

A Select channel on controller



Note the corresponding LED next to each channel

B Hold **P1** button on motor head



Motor Response

JOG X1

RELEASE P1

EXT. BEEP X1

C Hold **STOP** on controller



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

Motor Response

Approx. 2secs

JOG X2

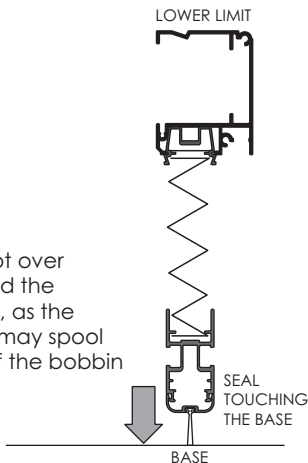
BEEP X3

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

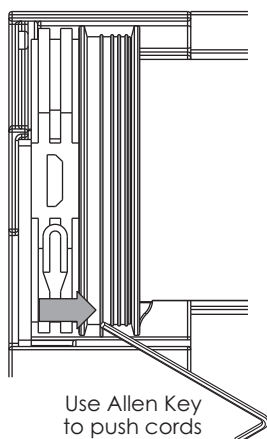
Approx. 5secs

JOG X2

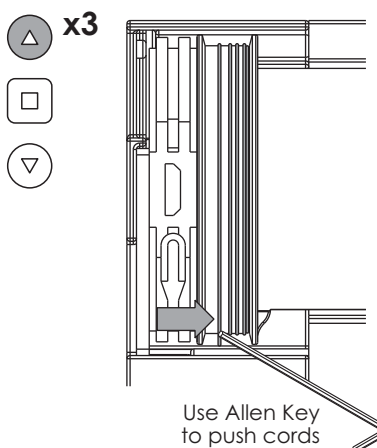
BEEP X3

Setting cord and upper limit

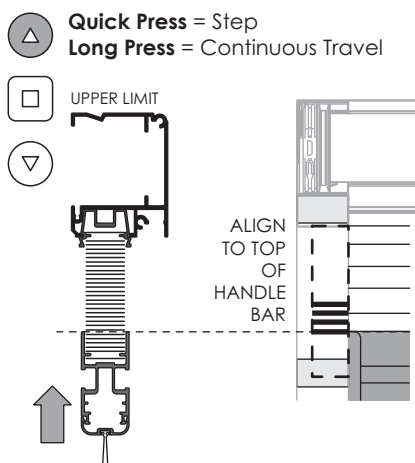
- A** Upon setting the lower limit the cord on the bobbin may not be set correctly. Using the Allen Key push cord towards the right



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



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



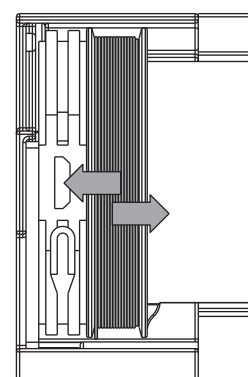
- D** To save upper limit, hold **UP** and **STOP**



Motor Response

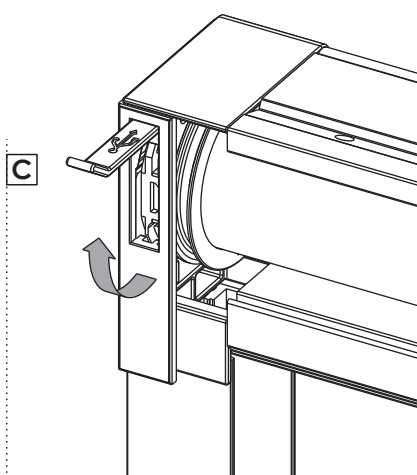
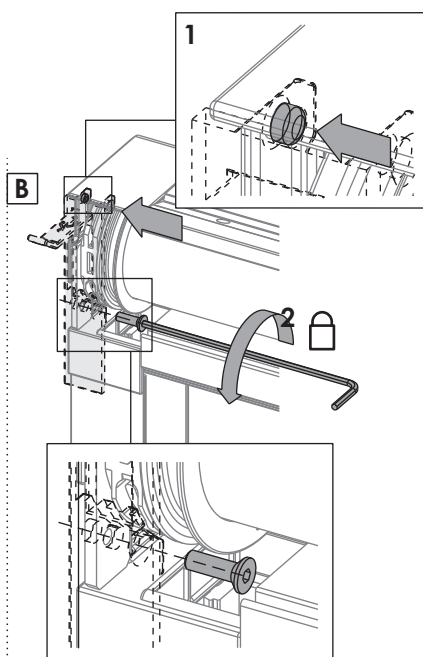
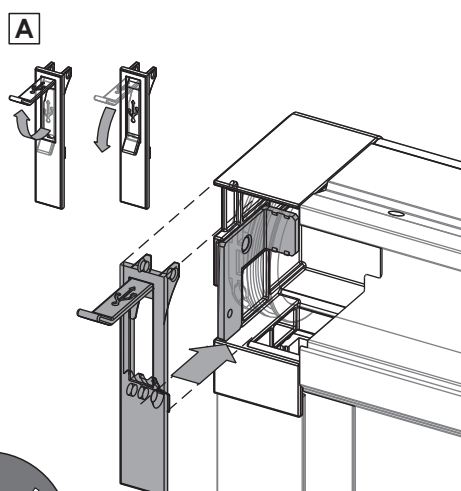
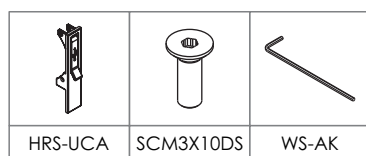
Approx. 5secs JOG X2
BEEP X3

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



- F** Inspect that the cord is winding correctly

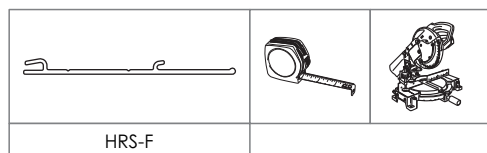
Fit USB Cover



USB PORT P1 BUTTON AND
BATTERY LIGHT INDICATOR
ACCESS PORT

- G** Close cover when not in use

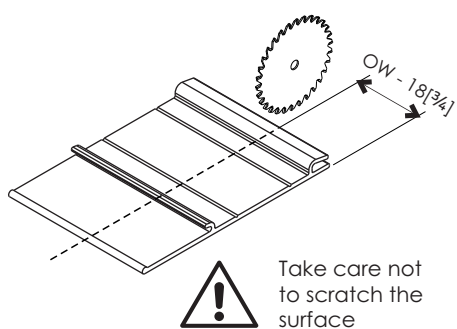
Fascia



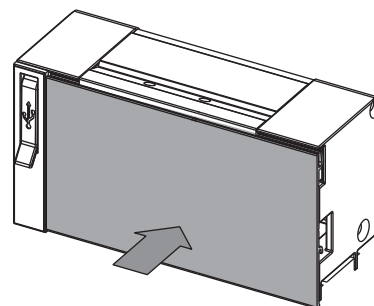
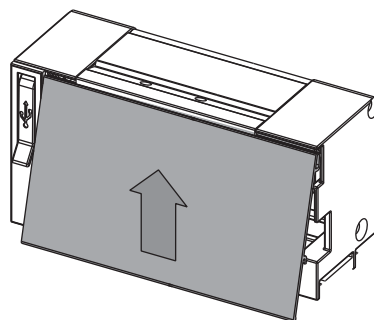
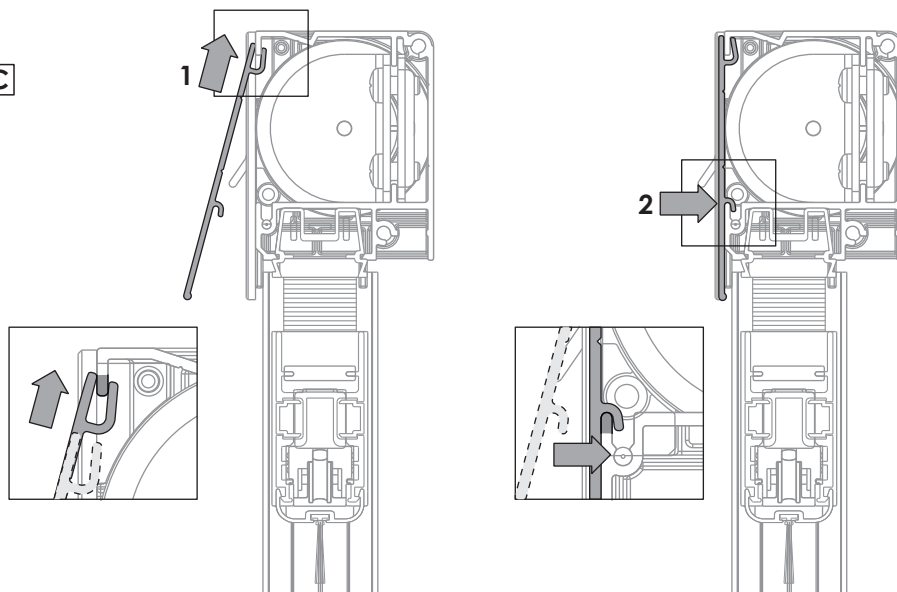
A



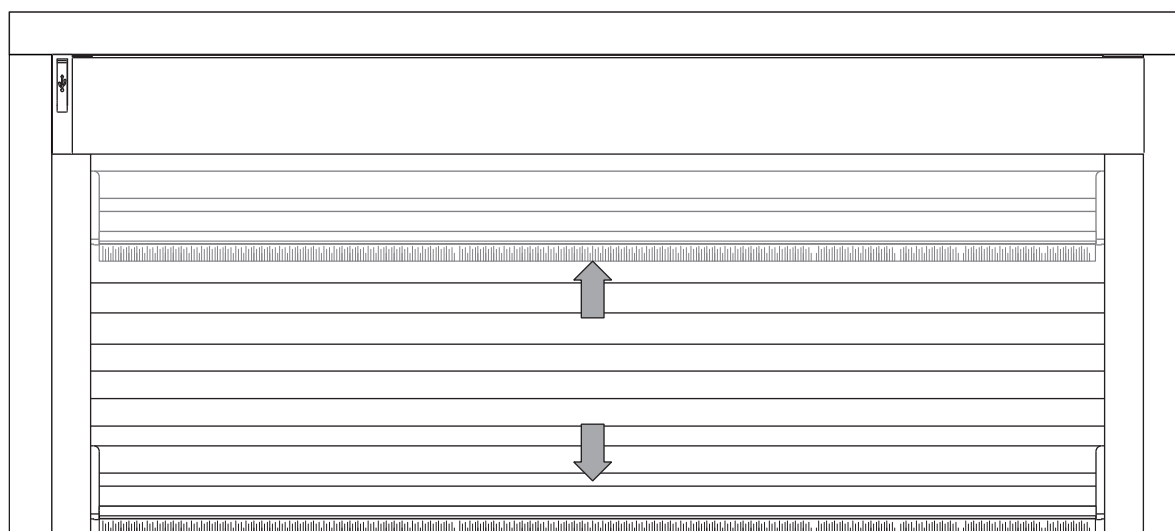
B



C

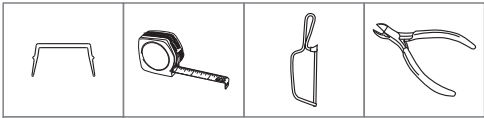


Initial Operation

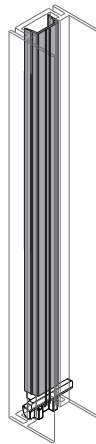
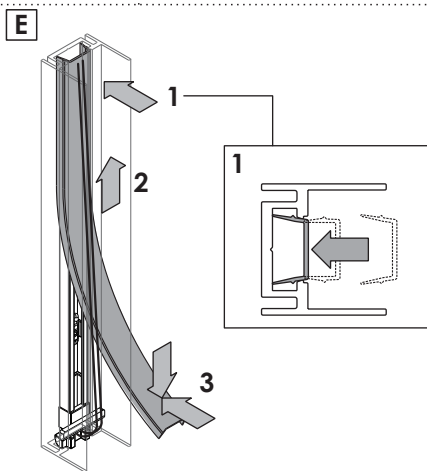
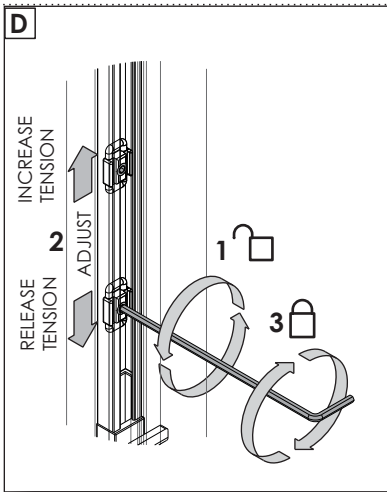
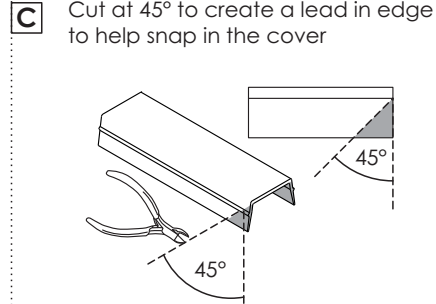
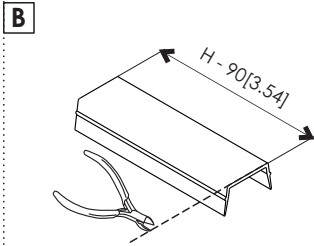
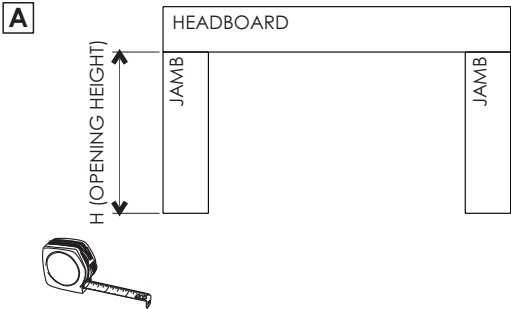


Operate **UP** and **DOWN 5 times** to settle the spooling of cord

Channel Covers



WS-COVEXP



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

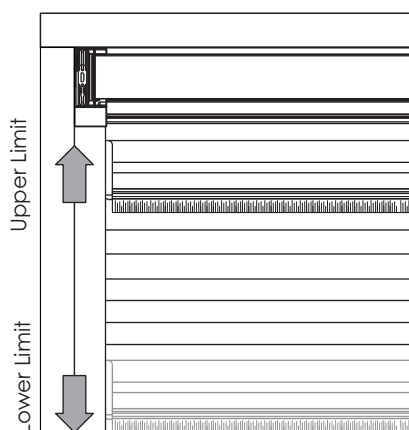
A Screen must be at Upper Limit

Hold **UP**

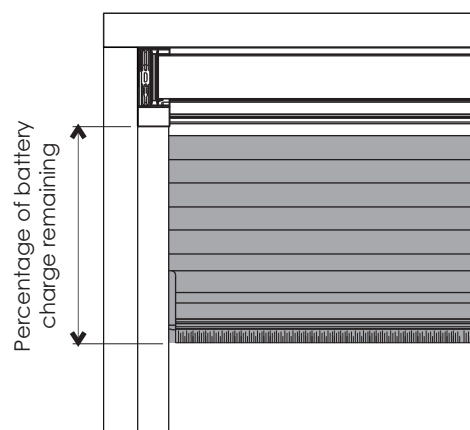


Motor Response

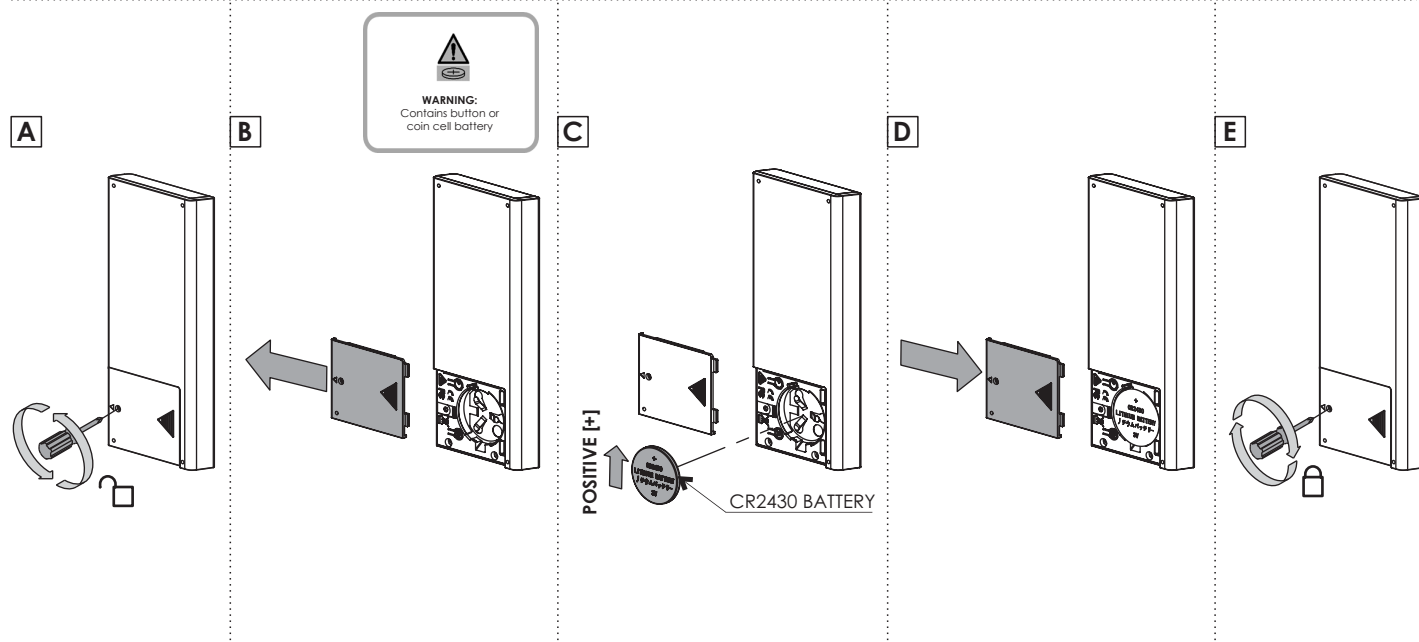
Approx. **5secs**



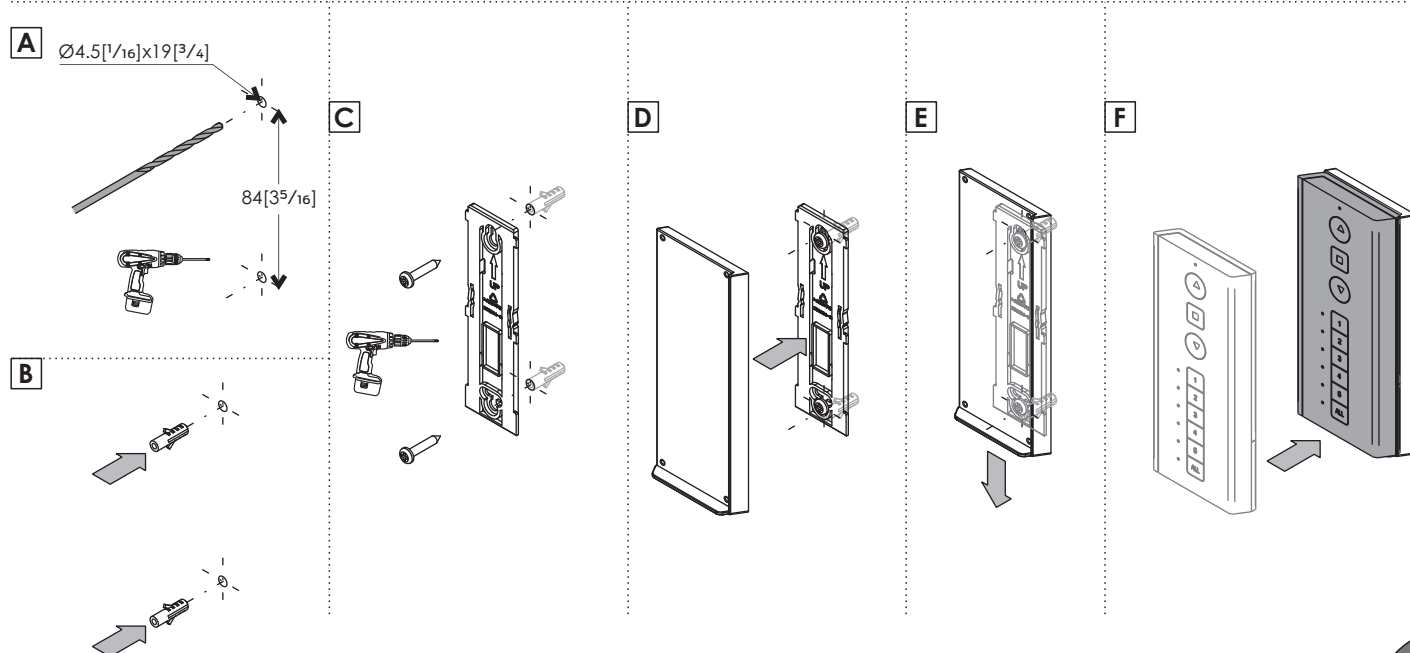
B Screen moves to percentage of battery change remaining



Remote battery replacement

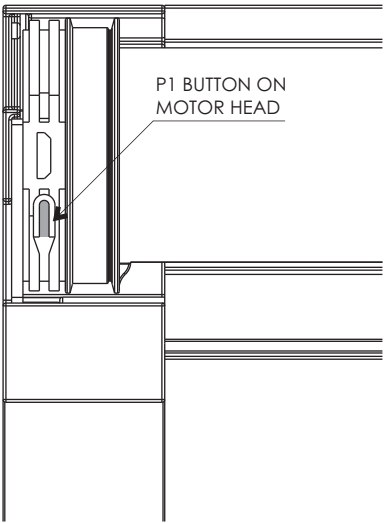


Wall mounting the remote



P1 Button Functions

P1 Button

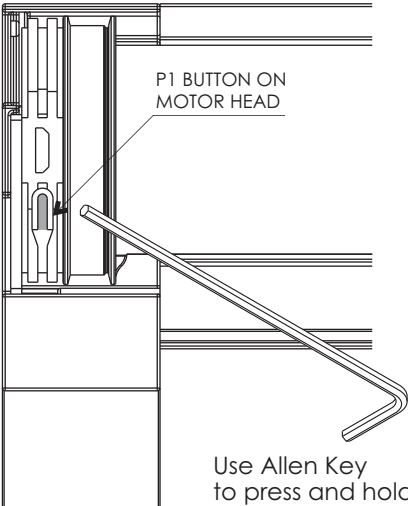


Motor state test

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

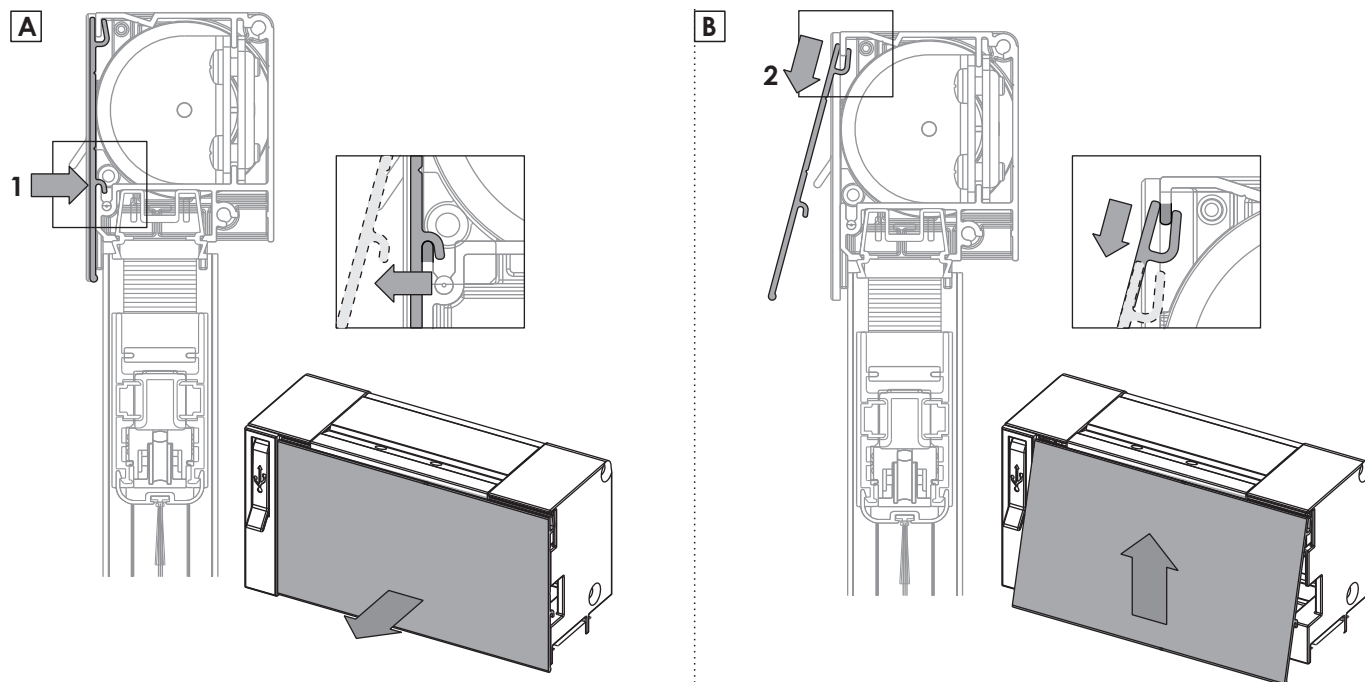


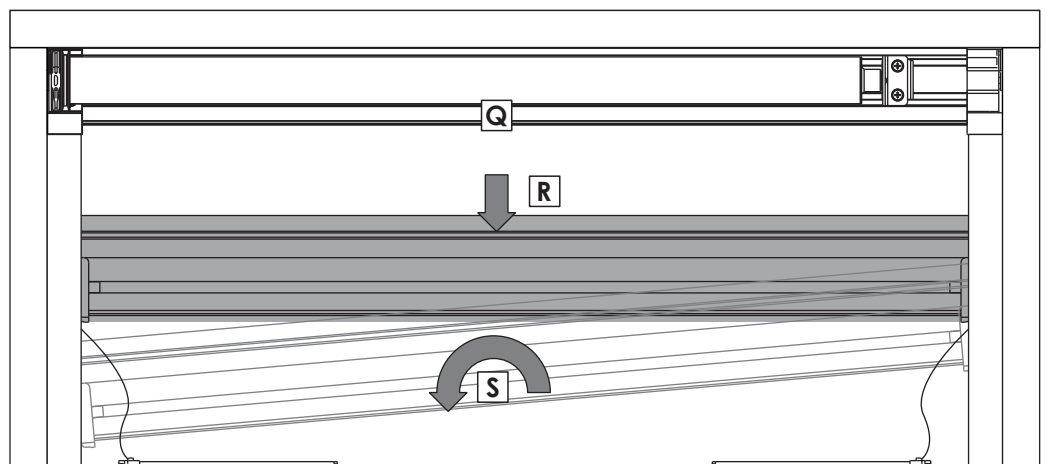
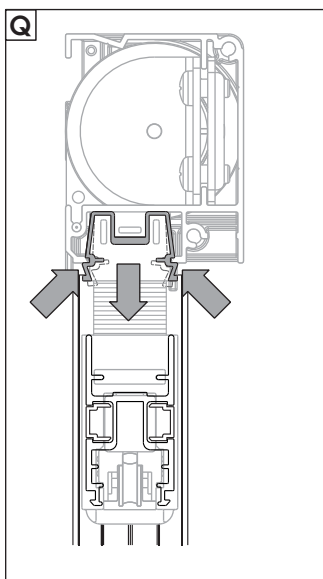
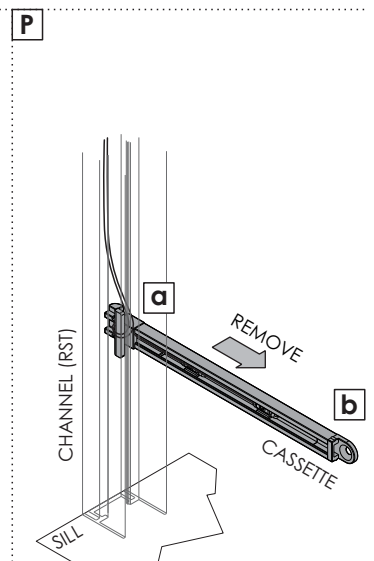
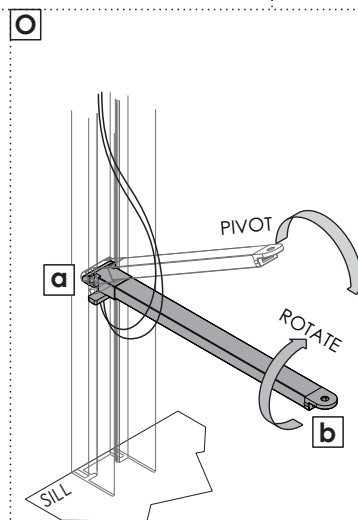
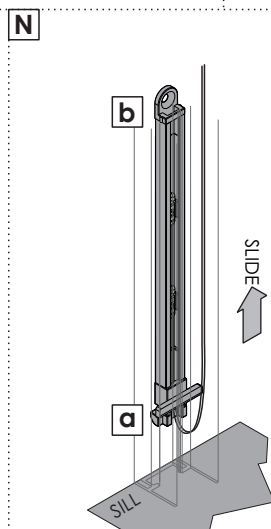
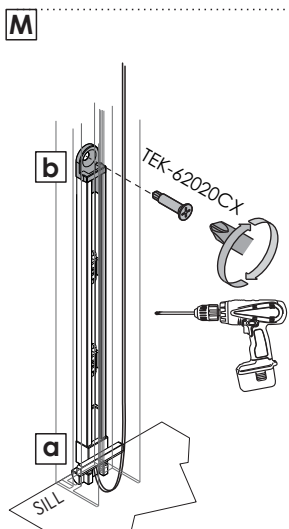
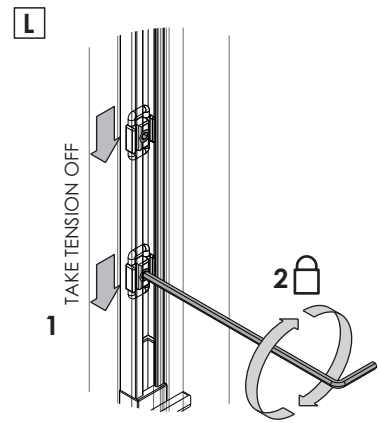
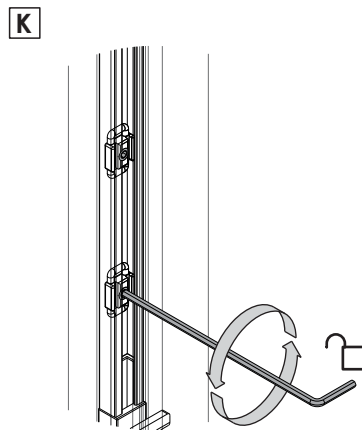
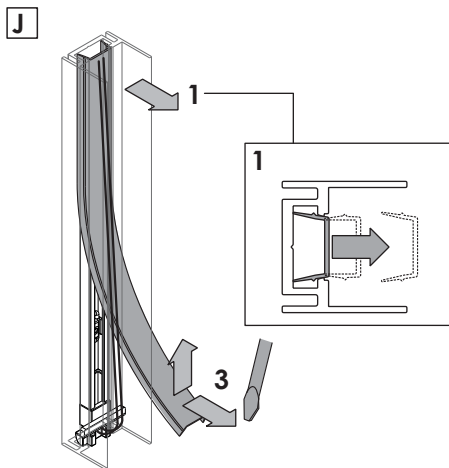
RELEASE P1

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.



WARNING:
Contains button or
coin cell battery

- Do not ingest battery, CHEMICAL BURN HAZARD
- The remote control contains a coin/button cell battery. If the battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.
- Ensure you keep new and used batteries away from children

- A screw has been provided to close the battery compartment door securely whilst a battery is inside the remote. It must be used to ensure safety.
- If the battery compartment does not close securely, stop using the remote and keep it away from children.

If it is suspected a button/coin battery has been swallowed or otherwise places inside any part of the body, a person should contact the **Australian Poisons Information Centre** on **13 11 26** immediately for 24/7 fast, expert advice



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

