



# Easy Spring Air

## **INSTALLATION MANUAL**

v1.2 | March 2024 | AU



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## DISCLAIMER

### INTRODUCTION

This Installation manual has been produced by Rollease Acmeda to supply the necessary information for the safe and correct Installation of Easy Spring Air System.

### DISCLAIMER

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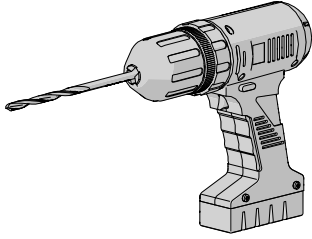
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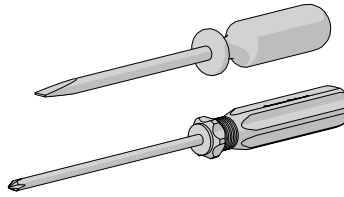
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**SECTION A | TOOLS AND ADDITIONAL ITEMS REQUIRED**

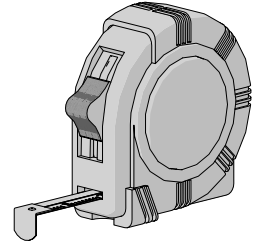
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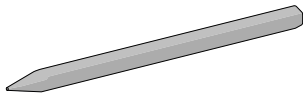
Screw Driver



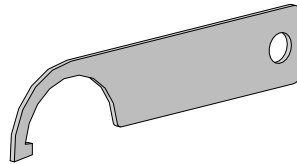
Measuring Tape



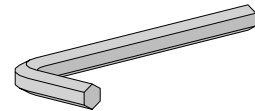
Pencil



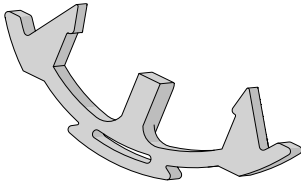
Spanner Tool



5mm Allen Key

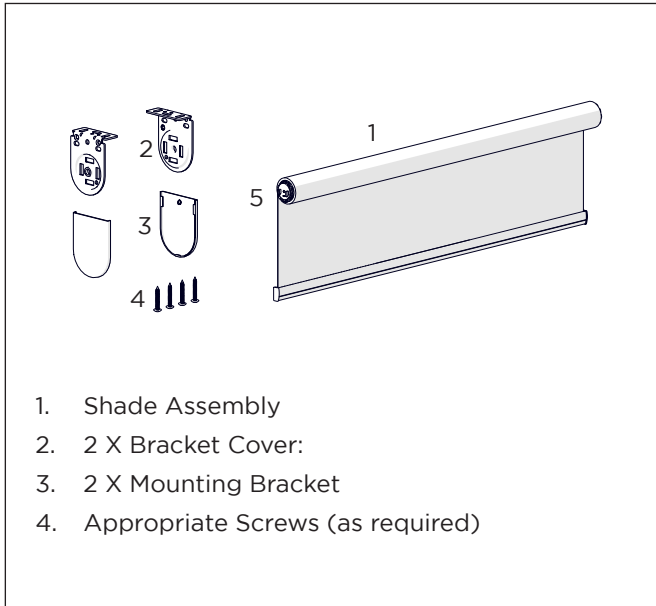


Tension Lock

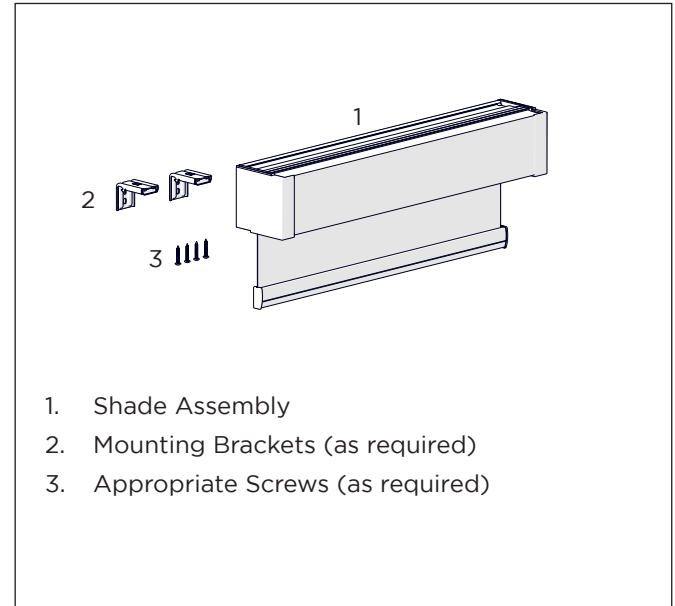


## SECTION B | SHADE ITEMS REQUIRED

### OPEN SYSTEM



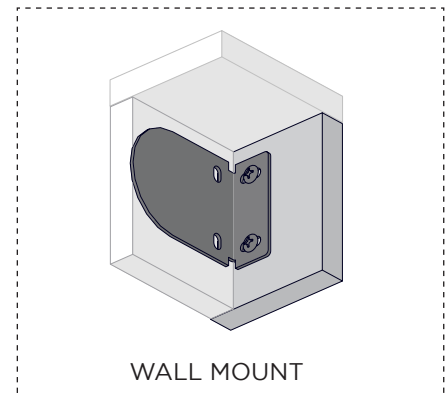
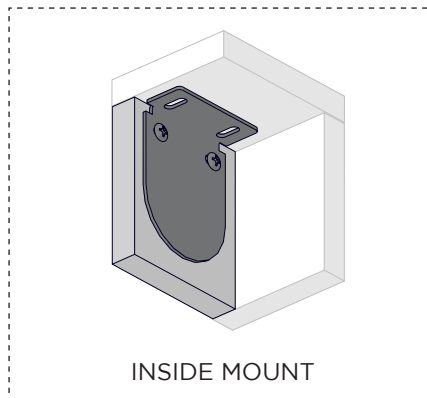
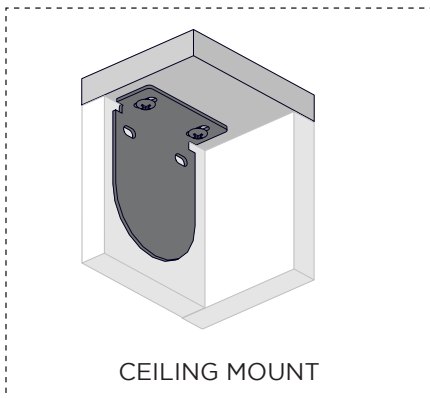
### CASSETTE SYSTEM



Do not remove Pretension Lock until ready to operate shade

## SECTION C | INSTALLATION

### BRACKET INSTALLATION OPTIONS

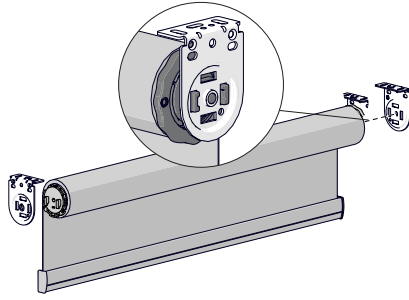


## SHADE INSTALLATION

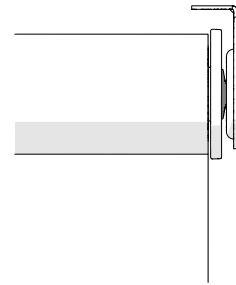
**WARNING**

DO NOT remove the orange pretension clip before installing the blind in the brackets.

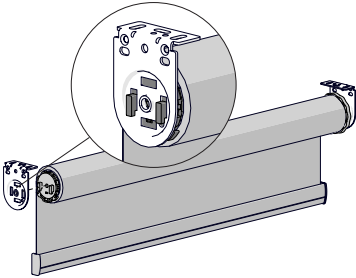
**1** Insert Idler into bracket



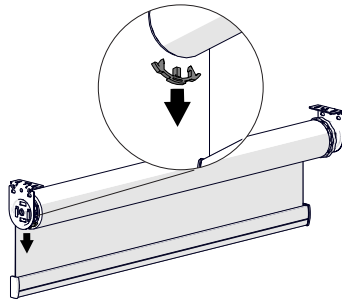
**2** Compress idler pin



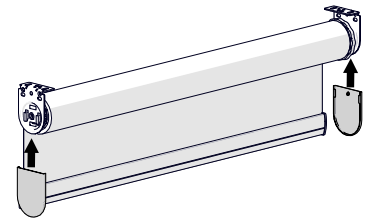
**3** Attach control side. Ensure hooks are engaged.



**4** Remove pretension clip



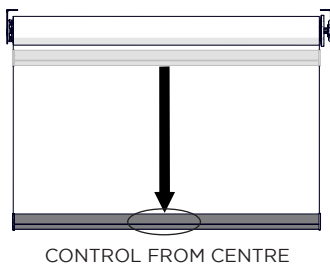
**5** Slide End Cap covers over brackets



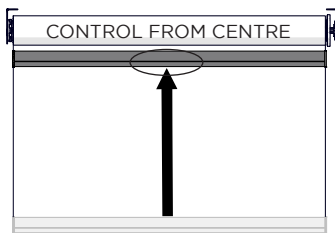
## PRETENSION CHECKS

### CHECK FUNCTIONALITY OF PRETENSIONED SHADE

**1** Move the Bottom Rail to bottom position.



**2** Move the Bottom Rail to top position.



**3** If the shade stays in place once released, the correct number of pre-turns have been applied.

**✓** Proceed to setting limits



**NOTE**

If shade is not balanced, refer to troubleshooting section.

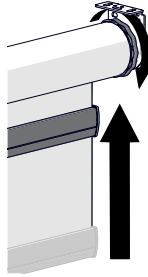
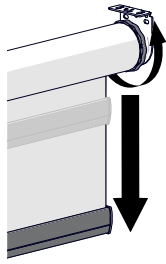
## LIMIT ADJUSTMENT



Raise bottom rail to current limit position prior to adjusting limits.

Standard back roll configuration shown, reverse directions for front roll.

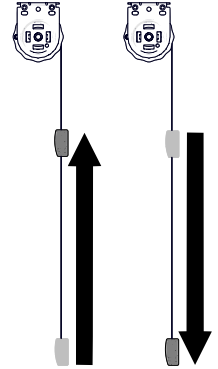
**1** Rotate wheel to adjust as necessary.



**2**

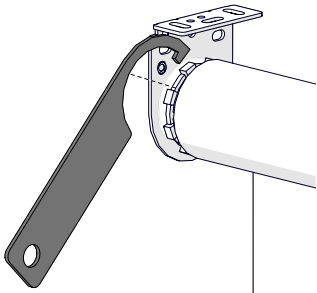
Test limits by moving the shade up & down.

Continue to adjust as necessary.

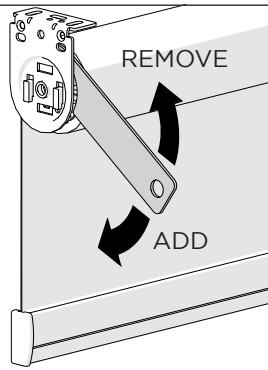


## INSTALLED SHADE | ADJUST PRE-TURNS

Use the spanner tool to adjust pre-turns.

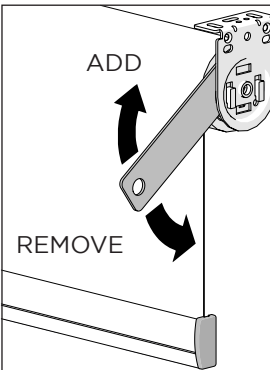


Fabric Back Roll

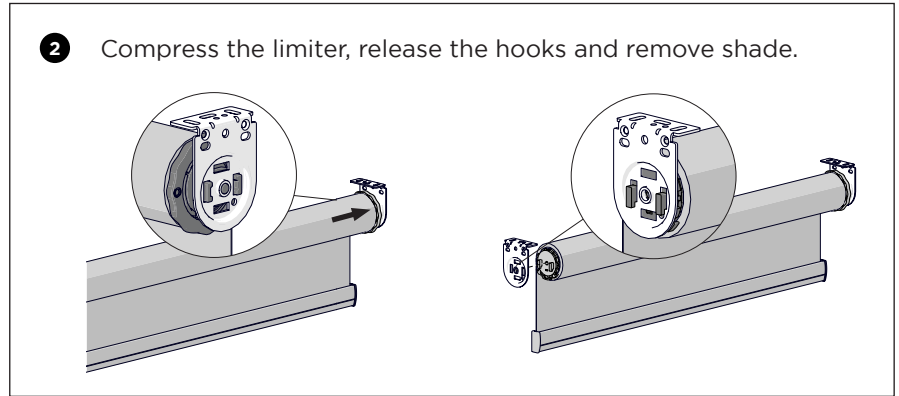
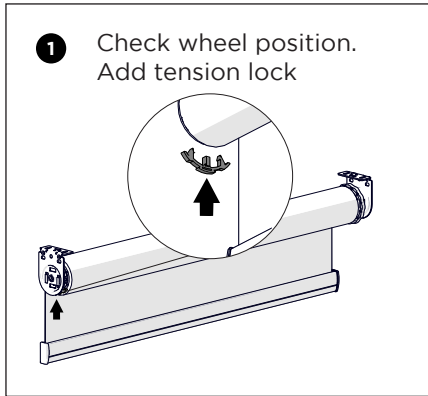


ADD

Fabric Front Roll



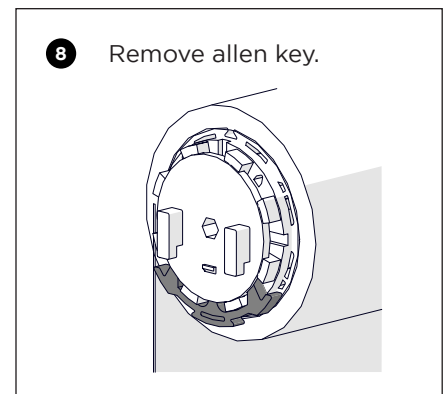
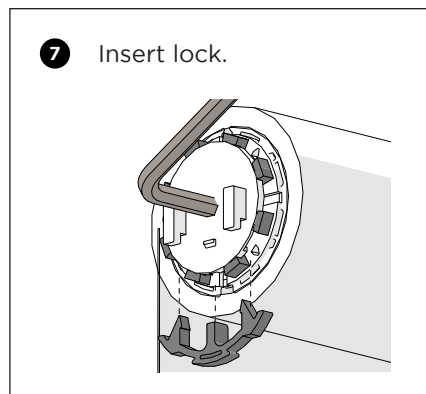
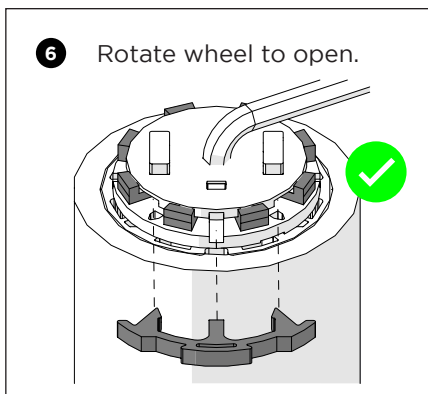
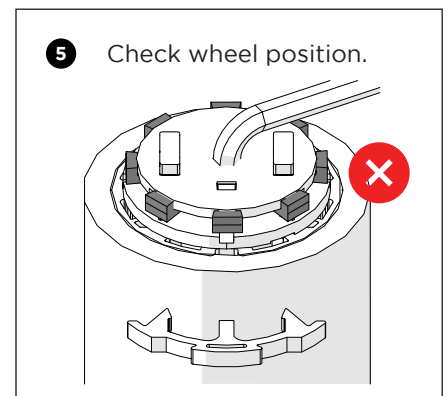
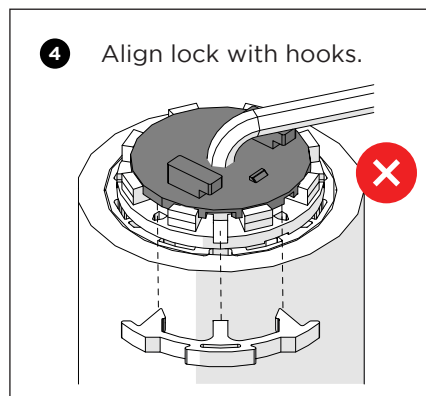
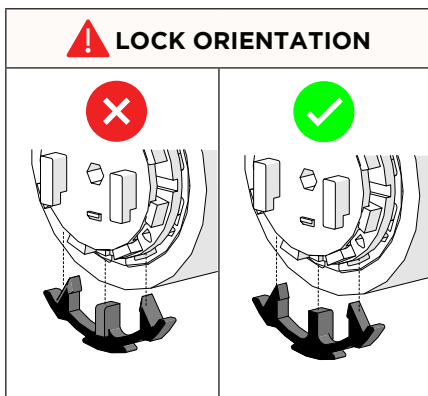
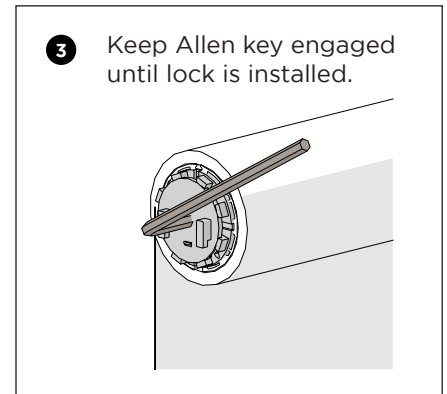
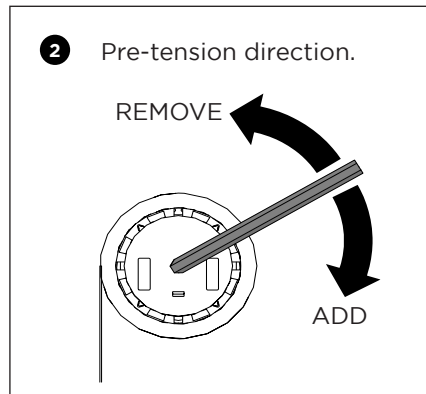
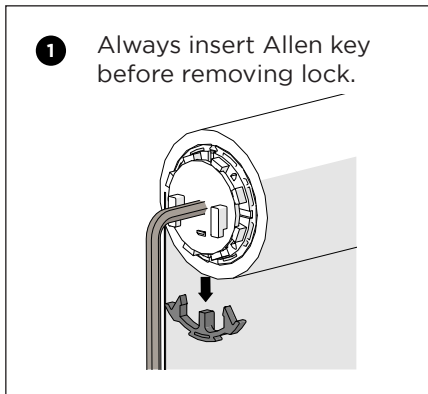
## UNINSTALL SHADE



## UNINSTALLED SHADE | ADJUST PRE-TURNS

**NOTE**

Spring is under tension - do not remove tension lock until you have Allen key inserted and securely held.

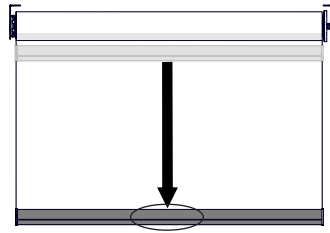


## OPERATION OF SHADE

 **NOTE**

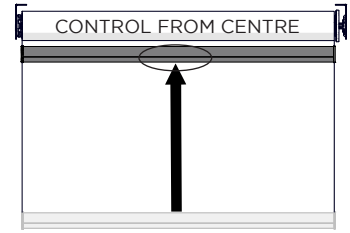
To operate the shade, user **MUST** use the shade from the centre of the bottom rail.

- 1** Move Bottom Rail to desired position and release.



CONTROL FROM CENTRE

- 2** Move Bottom Rail to desired position and release.



CONTROL FROM CENTRE





### NOTE

The Easy Spring Air is a balanced system, for best results it is critical to select the correct spring size and set the spring plug position specifically following Rollease Acmeda's recommendations (Refer Shade Calculator or ESA Chart Generator). These tools require all shade parameters to be input accurately. Shade width & drop, fabric thickness & density, weight bar mass & tube diameter all have an impact on the recommended spring selection & pre-turns.

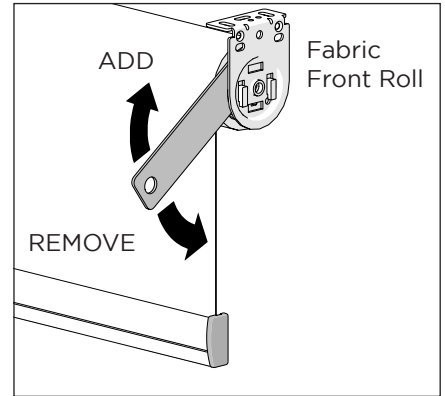
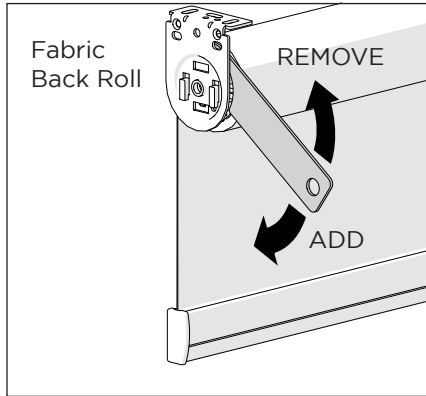
| NO. | PROBLEM   | CAUSE   | SOLUTION   |
|-----|---|---|--|
| 1.  | Bottom rail hits hard stop when lowering.   | Limiter stopping tube from rotating, because wheel is in incorrect position.                        | Remove shade (ensure tension is secure before removing).<br>Remove limiter from tube.<br>Ensure limiter wheel is located closest to pin end. Rotate wheel to adjust as required.<br>Insert limiter into tube and re-install shade.   |
| 2.  | Tube abruptly stops rotating when raising bottom rail OR bottom rail can be moved past desired top limit. | Top limit position has not been adjusted to suit blind.   | Adjust top limit position by rotating limiter wheel.   |
| 3.  | Bottom rail rises when released.  | Too many spring pre-turns (most likely)   | If the bottom rail feels almost balanced, use the spanner tool to <b>remove pre-turns</b> via the tension adjust wheel.<br>For significant adjustments, it may be easier to un-install the shade and use the 5mm hex key to adjust pre-turns.  |
|     |   | Incorrect bottom rail weight, potentially too light for current spring position/amount of pre-turns | The blind may benefit from additional ballast (pre-turns will also require adjusting).<br>If practical, ensure total weight bar mass is close to 500g/m (Generally requires 1x length of VB05 ballast).  |
|     |   | Internal spring plug position is incorrectly set (least likely)                                     | It is recommended to try all other troubleshooting options before adjusting the spring plug position as this requires removal of the spring from the tube.<br>If this is necessary, unwind all tension from the spring and remove it from the tube, rotate the wheel to move the plug 1 position higher.<br>After changing the plug position, pre-turns will require adjustment. |
| 4.  | Bottom rail falls when released OR Fabric bunches up when raising bottom rail.                            | Not enough spring pre-turns (most likely)   | If the bottom rail feels almost balanced, use the spanner tool to <b>add pre-turns</b> via the tension adjust wheel.<br>For significant adjustments, it may be easier to un-install the shade and use the 5mm hex key to adjust pre-turns.   |
|     |   | Incorrect bottom rail weight, potentially too heavy for current spring position/amount of pre-turns | The blind may benefit from less ballast (pre-turns will also require adjusting).<br>If practical, ensure total weight bar mass is close to 500g/m (Generally requires 1x length of VB05 ballast).  |
|     |   | Internal spring plug position is incorrectly set (least likely)                                     | It is recommended to try all other troubleshooting options before adjusting the spring plug position as this requires removal of the spring from the tube.<br>If this is necessary, unwind all tension from the spring and remove it from the tube, rotate the wheel to move the plug 1 position lower.<br>After changing the plug position, pre-turns will require adjustment.  |
| 5.  | Bottom rail falls down from top limit AND bottom rail raises up from lower limit.                         | Incorrect internal spring plug position OR Incorrect spring size has been selected.                 | Increase the spring plug position.<br>Additional pre-turns may be required.<br>Use support material to check recommendations based on shade parameters.<br>Contact your supplier for additional details.   |
| 6.  | Bottom rail raises at top limit AND bottom rail falls down from lower limit.                              | Incorrect internal spring plug position OR Incorrect spring size has been selected.                 | Decrease the spring plug position.<br>Less pre-turns may be required.<br>Use support material to check recommendations based on shade parameters.<br>Contact your supplier for additional details.   |
| 7.  | Erratic Behaviour   | Spring control on wrong end   | Check spring is on correct end, safely remove spring and re-install on other end.<br>Back roll fabric = spring on LHS<br>Front roll fabric = spring on RHS   |
| 8.  | Fabric tracks or bunches up towards one side.   | The shade has been operated from the edges of the weight bar OR The brackets are not level.         | Operate bottom rail from the middle - shade cannot be operated from the sides.<br>Check brackets are level.  |

ADJUSTING SPRING SETTINGS TO ACHIEVE BALANCED OPERATION

**SPRING PRE-TURNS**

The bottom rail will fall once the clip is released if not enough pre-turns have been applied.

Back roll fabric = spring LHS  
Front roll fabric = spring RHS

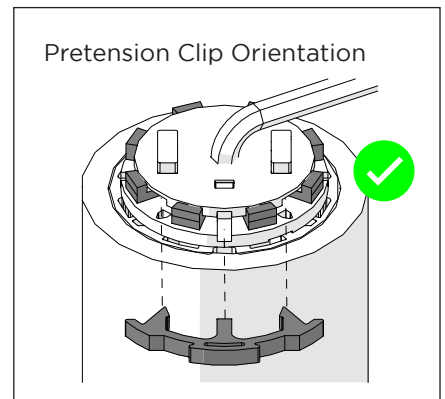


**SUPPORT MATERIAL**

Scan QR code for calculators.

**WARNING**

Always ensure a pretension clip is secured before removing the shade.

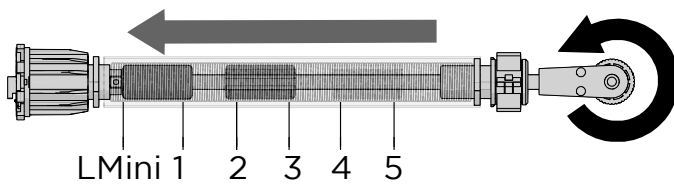


ADJUSTING SPRING PLUG

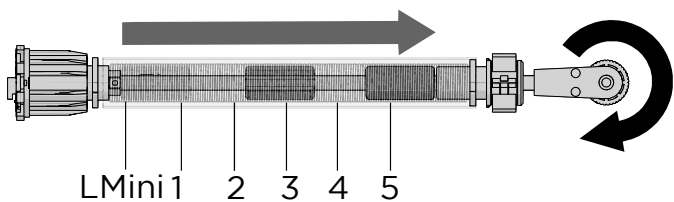
1. Uninstall shade.

**WARNING** | Always ensure a pretension clip is secured before removing the shade.

2. Remove pretension from spring with hex tool.
3. Remove spring from shade assembly.
4. Rotating the adjusting wheel moves the plug. Align left edge of the plug to number to set spring rate.
5. Re-assemble spring, apply pre-turns, apply pretension clip, install shade and test.

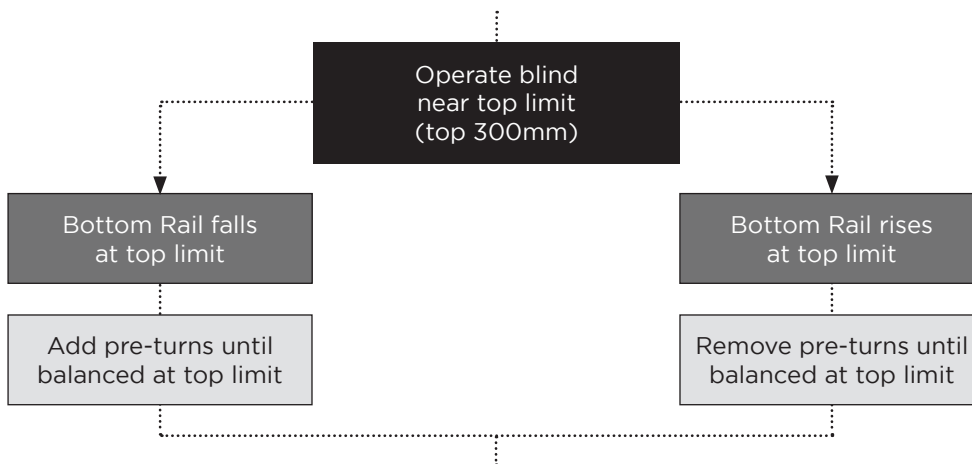


Lower plug position = Stiffer spring  
Removing turns increases force quickly



Higher plug position = Softer spring  
Adding turns increases force slowly

TOP LIMIT TEST



LOWER LIMIT TEST

