Motorized Coupled Shade Installation Instructions

Scan for electronic version

Contents

1.0 Overview 2
1.1 Tools 2
1.2 Brackets 2
1.21 Exposed Brackets 2
1.22 Fascia Brackets 2
1.3 Couplers 3
2.0 System Installation 3
2.1 Bracket Mounting 4
2.2 Motor Panel Installation 5
2.3 Setting Motor Limits 6
2.4 Intermediate Panel(s) Installation 6
2.41 Intermediate Panel Adjustment 8
2.5 Idler Panel Installation 9
2.51 Idler Panel Adjustment 11

Motorized Coupled Shade Installation Instructions

1.0 Overview

The following installation instructions are for Insolroll's motorized coupled shade systems. It is important to note that motorized coupled systems are available for AC and DC motors and are available as an exposed roll or in fascia. Mounting screws are not provided. The type and size of screw required are project specific and will vary depending upon the mounting surface.

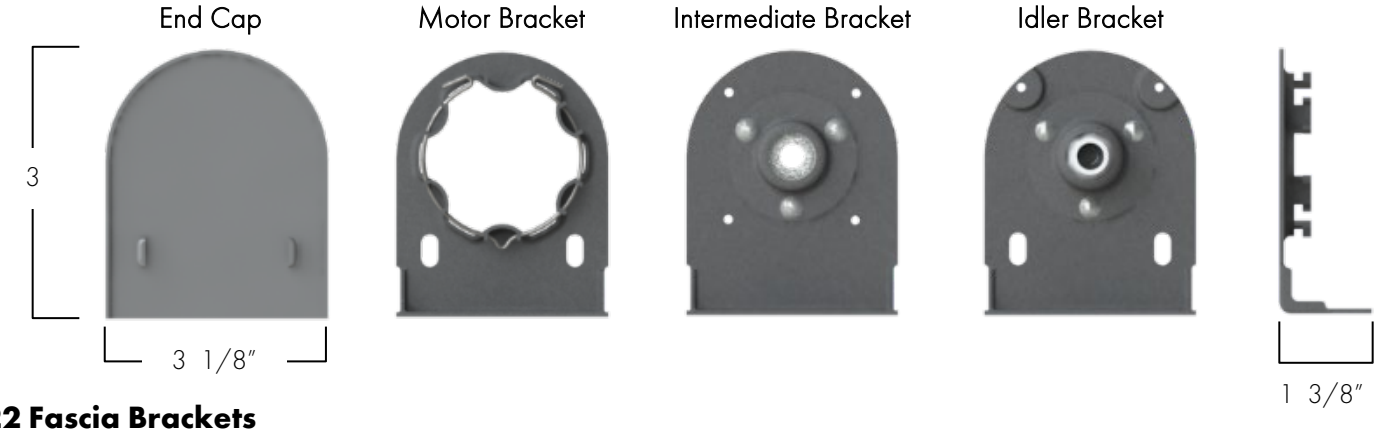
1.1 Tools

Screw/drill gun with Phillips head bit extender; Hex head driver; Standard and Phillips head screwdriver; level; tape measure; 1/8" and 3/16" drill bit.

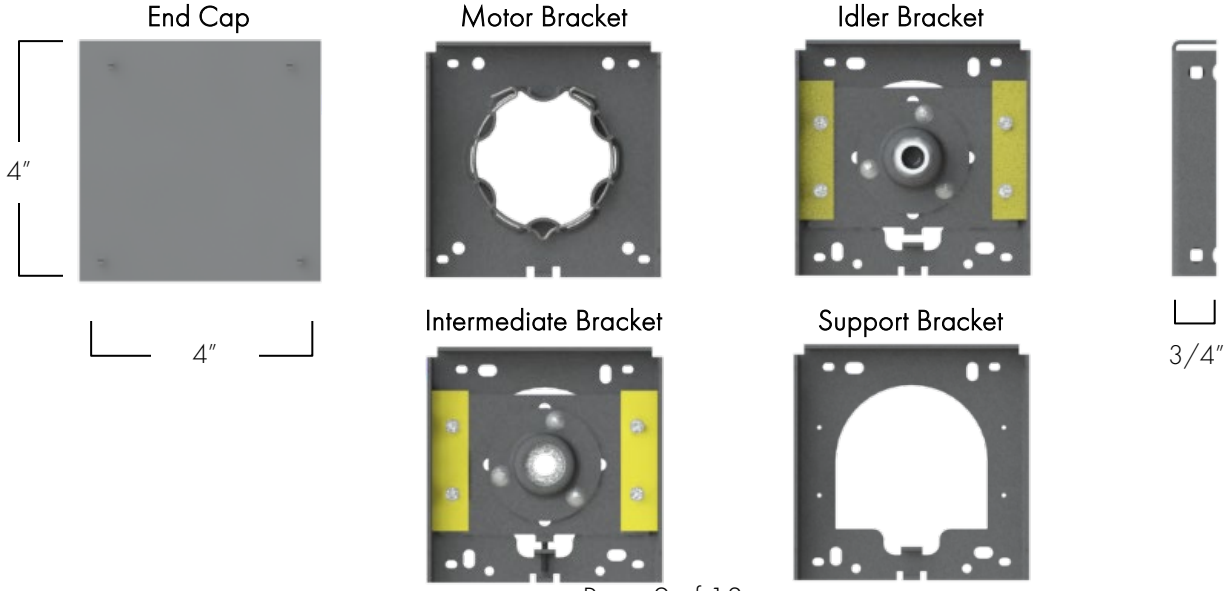
1.2 Brackets

Every coupled system will be shipped with one operator bracket, one idler bracket and at least one intermediate bracket. The number of intermediate brackets will depend on the number of coupled panels. For example, if your system was ordered with two coupled panels, you will receive one intermediate bracket. For three coupled panels you will receive two intermediate brackets, so on and so forth.

1.21 Exposed Brackets



1.22 Fascia Brackets



1.3 Couplers

In between each coupled panel will be one male coupler and one female coupler. It is important to know that the female coupler will always be on the same tube as the motor while the male coupler will always be on the same tube as the idler. A male coupler will only link with a female coupler and vice versa. Both the male and female couplers are retractable for an easier installation, and they are both spring loaded to ensure they remain in the brackets.

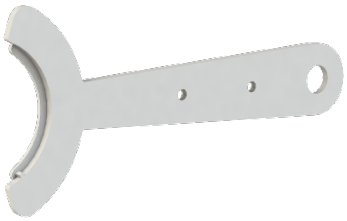
Female Coupler



Male Coupler

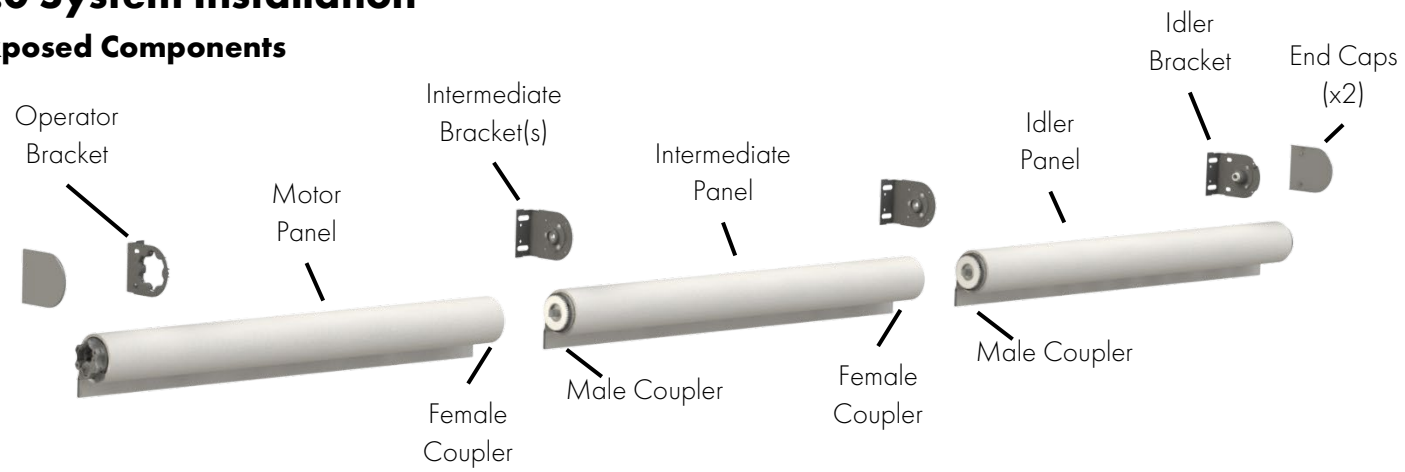


Coupler Adjustment Tool

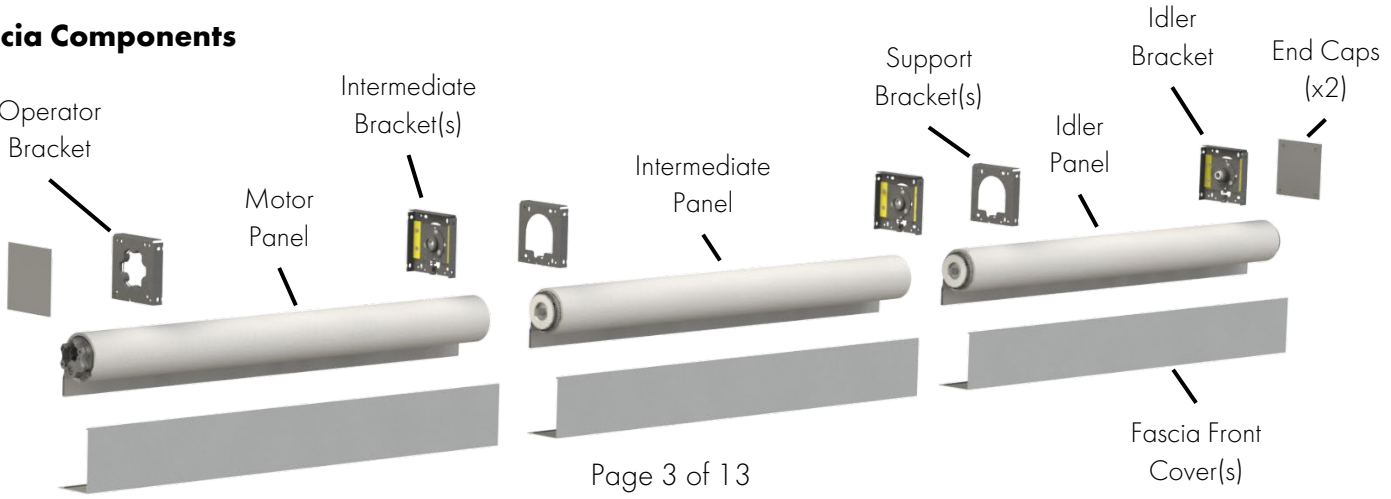


2.0 System Installation

Exposed Components



Fascia Components



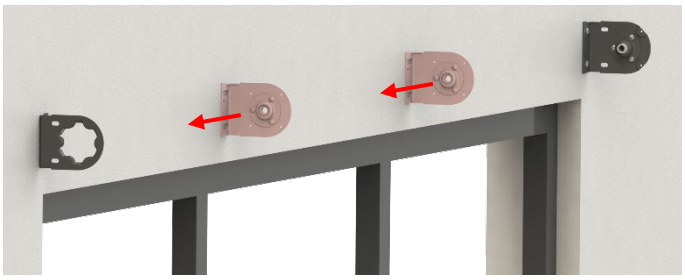
2.1 Bracket Mounting

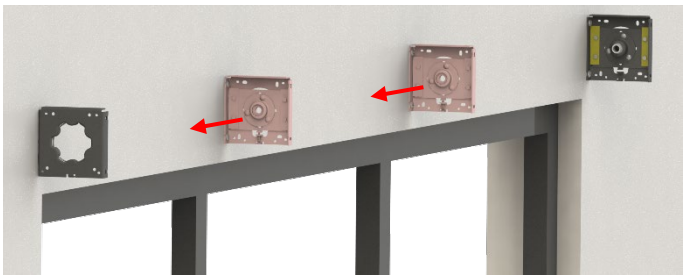
1. Refer to the order specifications and mount the operator and idler brackets. Note that overall order width is the outside of end cap to outside of end cap width for orders with end caps. Mount the brackets so they sit perfectly level with each other, this will ensure a proper fit. Be sure to note whether your system is a left- or right-hand operator and mount the motor and idler brackets on the correct sides.



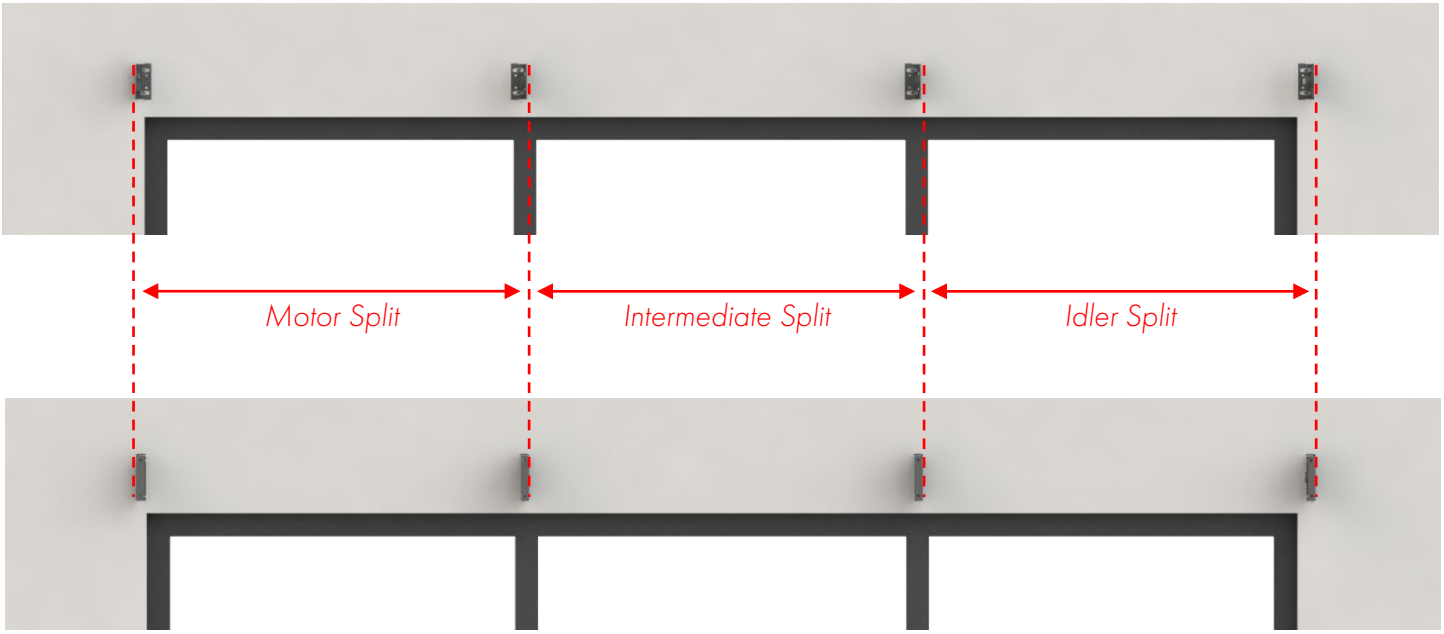


2. Next, refer back to the order specifications and find the panel split sizes. Mount the intermediate bracket(s) at the ordered split sizes. When mounting the intermediate bracket(s) it is impoortant to orient the bracket so that the bearing on the intermediate bracket always faces the motor bracket. Mount the intermediate bracket(s) so they are perfectly level with the motor and idler brackets.





IMPORTANT! - Bearings must face toward the operator bracket.



3. Fascia Systems ONLY – Fascia systems are sent with intermediate support brackets that will give the fascia front cover additional support. The support brackets must be mounted back to back and flush with the top and bottom face of the intermediate brackets.

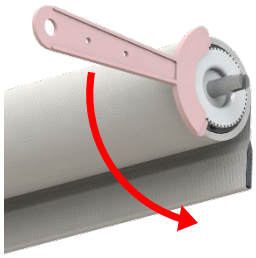


2.2 Motor Panel Installation

IMPORTANT! - Always install the motor panel first.

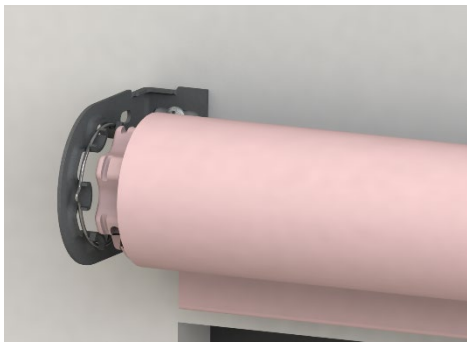


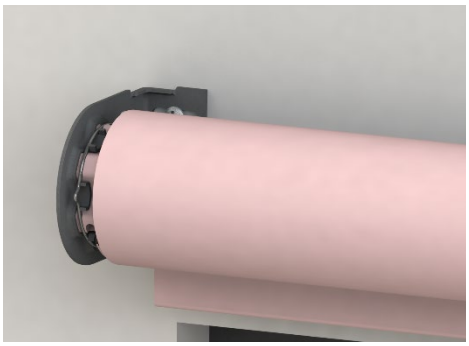
1. Before installation, use the coupler retraction tool and rotate the wheel on the female coupler counter-clockwise to retract the female pin. Note that too many turns will cause the female pin to spring back out to its fully extended state.



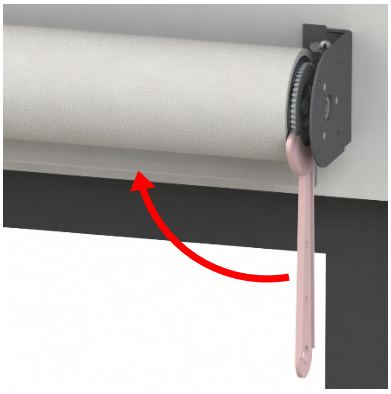


2. Insert the motor into the motor bracket first. The motor clip should remain on the bracket during installation. Firmly push the motor into the bracket until the motor ring snaps over the motor.





3. Rotate the female pin side of the panel up to align the female pin with the intermediate bracket. Use the coupler retraction tool and rotate the female pin wheel clockwise until it reaches its fully extended state.





2.3 Setting Motor Limits

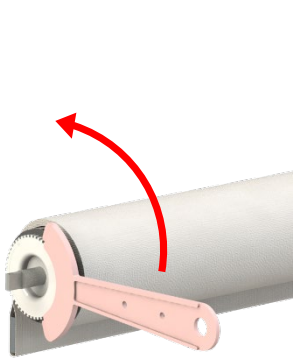
At this point it is recommended that you complete the motor programming. Refer to the Radio Programming Instructions or Limit Switch Setting Instructions to complete the shade set up. When completed, run the shade up and down one time to ensure the fabric is rolled up on the tube properly. Doing this step prior to installing the remaining panel(s) will ensure an easier panel alignment process.

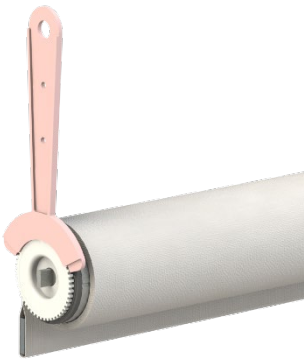
2.4 Intermediate Panel(s) Installation

This section is for systems with three or more coupled panels. If your system is a two-panel coupled system, proceed to step 2.5 Idler Panel Installation.

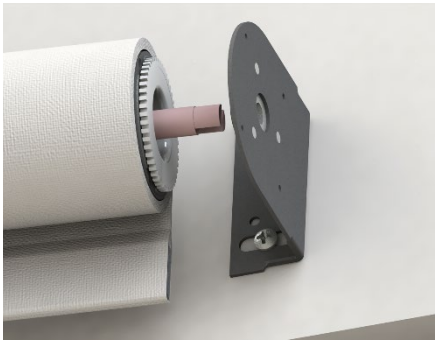


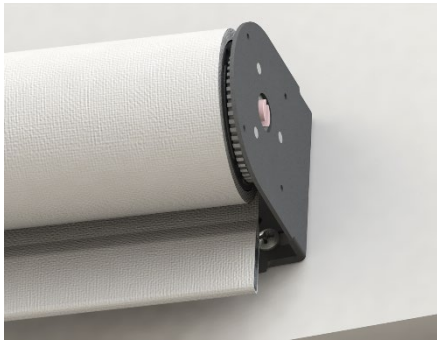
1. Use the coupler retracting tool to rotate the adjustment wheel counterclockwise until the male pin is fully retracted. Make sure the female pin is fully extended.



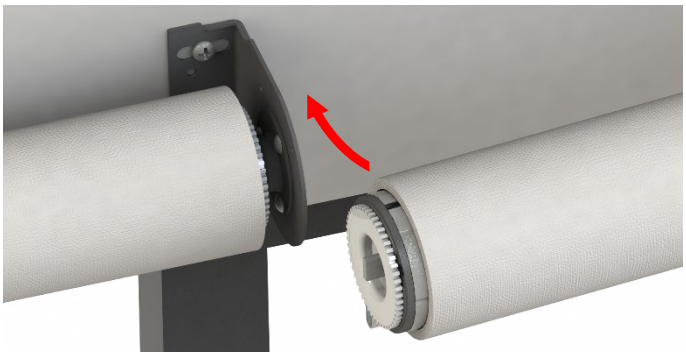


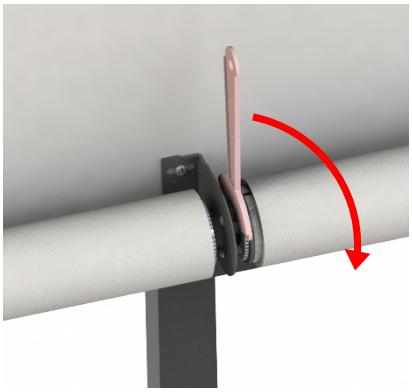
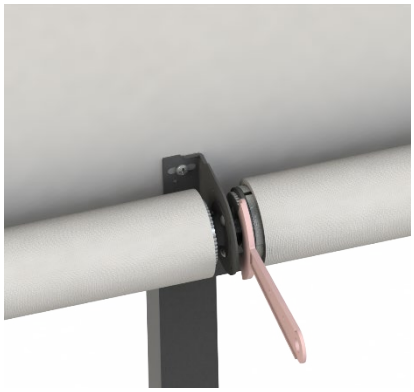
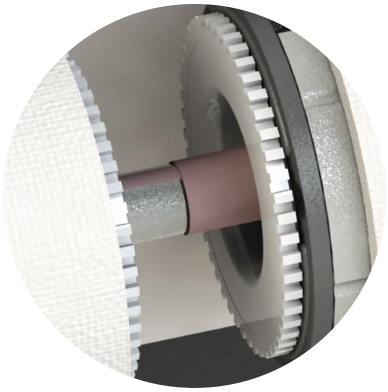
2. Insert the female pin into the second intermediate bracket (the bracket that has not been used yet). With the female pin in the intermediate bracket, rotate the panel so the bottom hem bar of the intermediate panel is lined up with the bottom hem bar of the panel adjacent to it.





3. Align the male pin with the first intermediate bracket (the bracket that the motor panel has been fully installed on). Using the coupler retraction tool, fully extend the male pin so it mates with the female pin inside the bearing of the intermediate bracket.



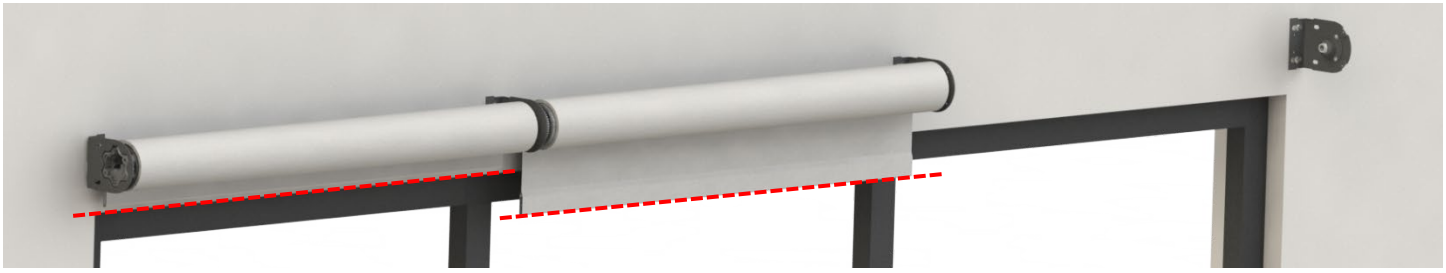




4. Run the shade down and then back up to ensure the fabric on the intermediate panel rolls up properly on the tube. Check the alignment on the bottom of the panels between the intermediate panel and the panel adjacent to it. Both panels should be in line with each other.

2.41 Intermediate Panel Adjustment

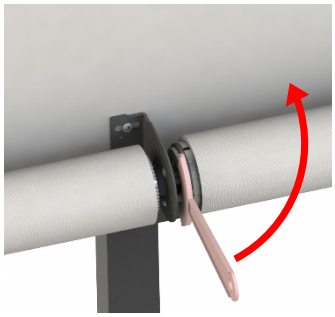
If your intermediate panel and motor panels are lined up, then no adjustment is needed and you can proceed to step 2.5 Idler Panel Installation.

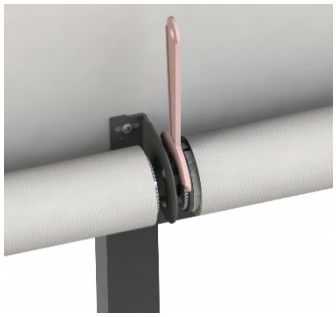
1. If the panels do not line up with each other, you will need to adjust the intermediate panel that you just installed. DO NOT ADJUST ANY PREVIOUSLY INSTALLED PANELS.



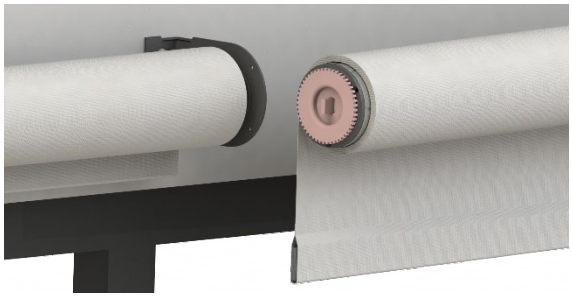
Panels are not lined up and the intermediate panel must be adjusted prior to installing any other panels. If the panels are lined up, proceed to installing the next section.

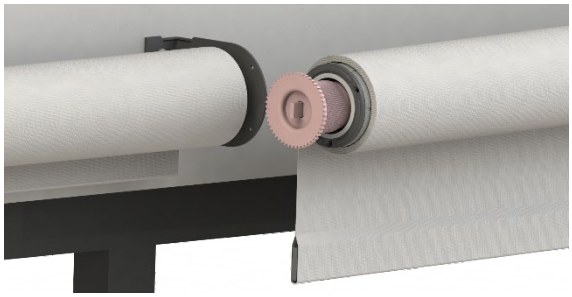
2. To adjust the intermediate panel, start by using the coupler retraction tool to fully retract the male pin. Remove the male pin from the intermediate bracket, but leave the female pin of the intermediate panel installed in the second intermediate bracket.



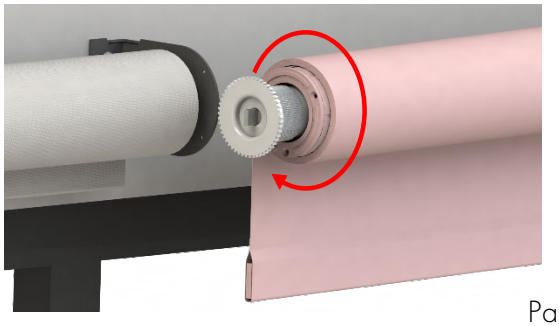


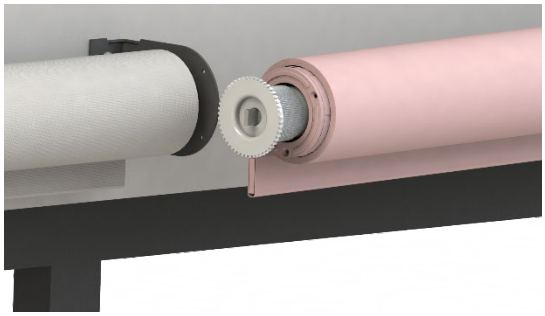
3. The male couplers are indexable to assist with the adjustment. Carefully remove the coupler from the sleeve being sure to note the current position.



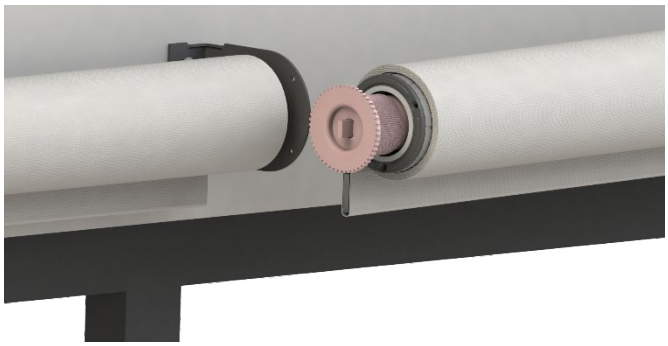
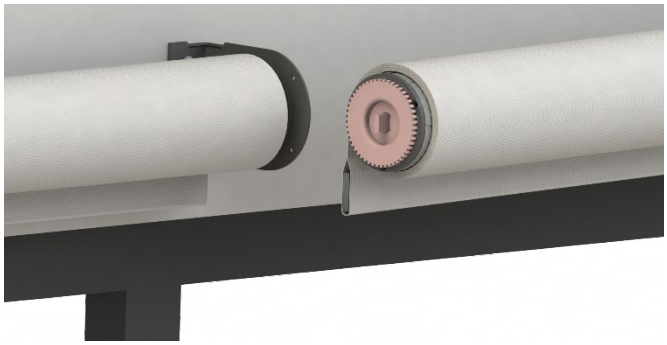


4. Rotate the shade around the coupler until the bottom of the panel lines up with the bottom of the panel adjacent to it.

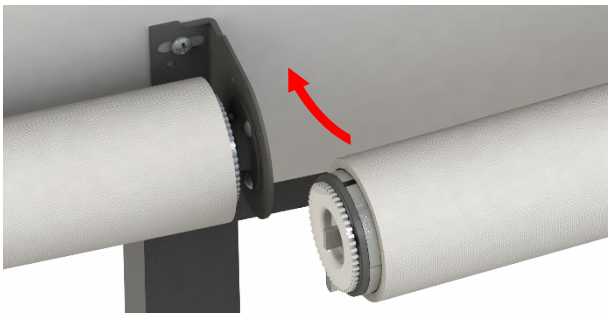


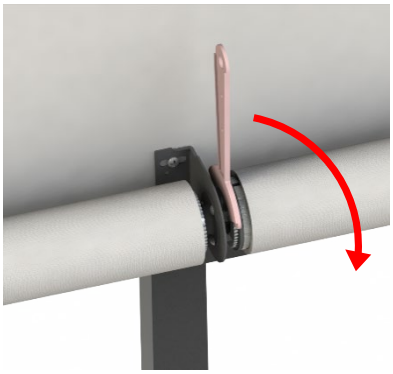
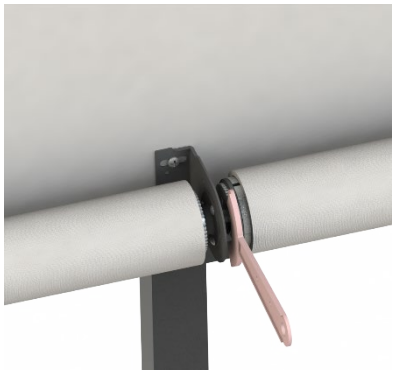
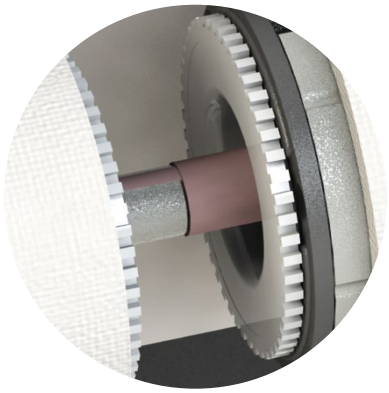


5. Insert the indexable male coupler into the tube assembly.

6. Re-install the male pin into the intermediate bracket so it mates with the female pin. The hem bars should now sit level and in line with each other. If the panel still needs adjusting, repeat section 2.41 Intermediate Panel Adjustment.



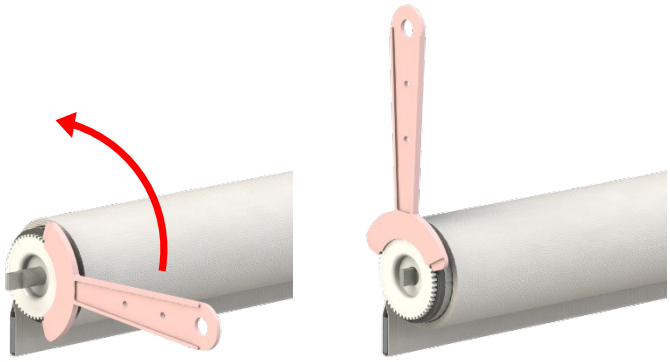




2.5 Idler Panel Installation

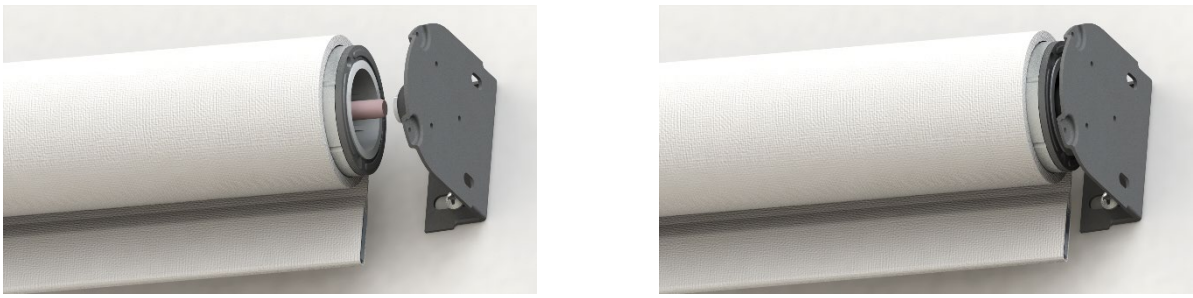
IMPORTANT! – Make sure the bottoms of all the panels that have been installed up to this point are lined up.



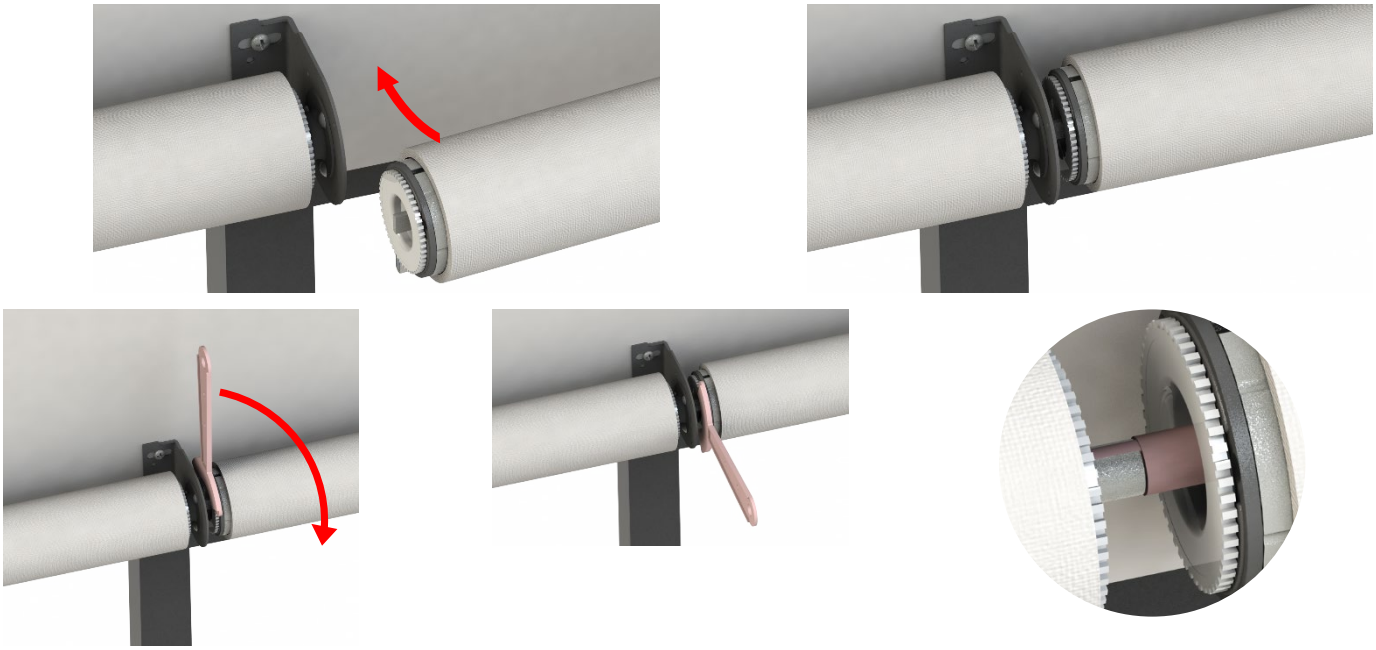
1. Use the coupler retracting tool to rotate the adjustment wheel counterclockwise until the male pin is fully retracted.



2. Insert the idler pin into the idler bracket and rotate the panel so the bottom hem bar of the idler panel is lined up with the bottom hem bar of the panel adjacent to it.



3. Align the male pin with the intermediate bracket. Using the coupler retraction tool, fully extend the male pin so it mates with the female pin inside the bearing of the intermediate bracket.

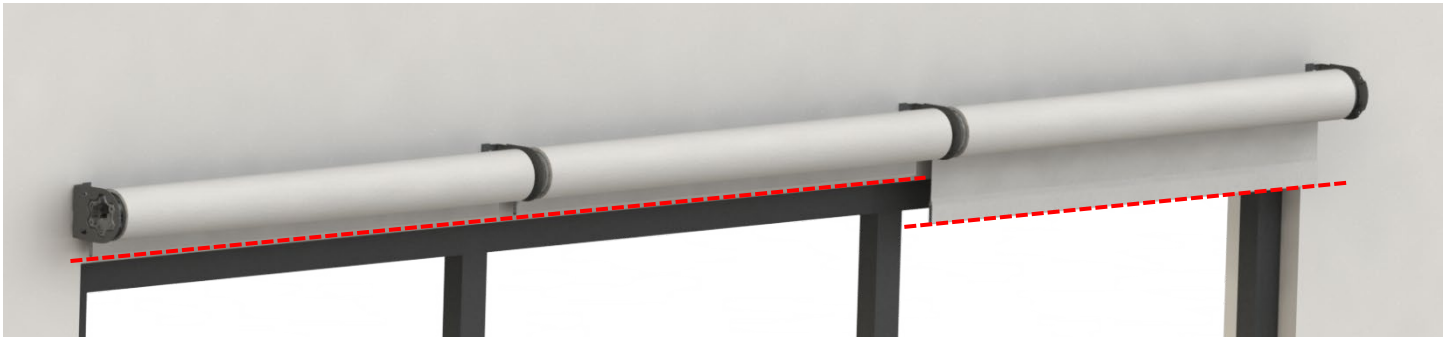


4. Run the shade down and then back up to ensure the fabric on the idler panel rolls up properly on the tube. Check the alignment on the bottom of the hem bars between the idler panel and the panel adjacent to it. Both hem bars should be in line with each other.

2.51 Idler Panel Adjustment

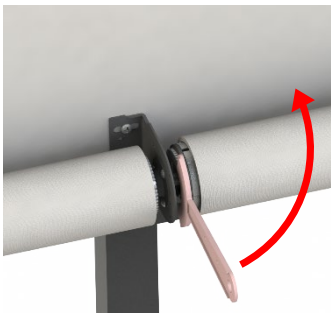
If your idler panel and the panel adjacent to it are lined up, then no adjustment is needed and your installation is completed.

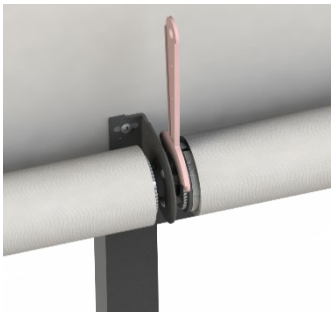
1. If the hem bars do not line up with each other, you will need to adjust the idler panel that you just installed. DO NOT ADJUST ANY PREVIOUSLY INSTALLED PANELS.



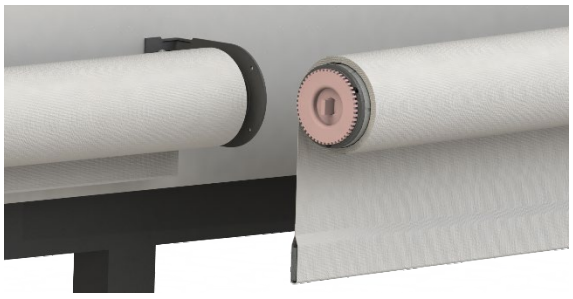
Panels are not lined up and the intermediate panel must be adjusted prior to installing any other panels. If the panels are lined up, installation is complete.

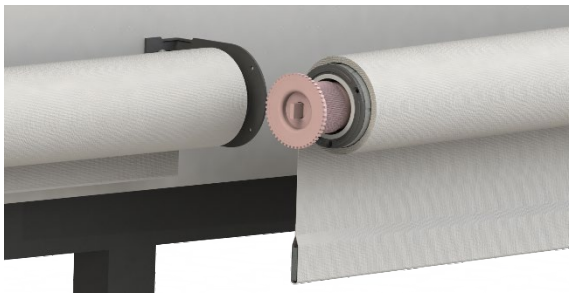
2. To adjust the idler panel, start by using the coupler retraction tool to fully retract the male pin. Remove the male pin from the intermediate bracket, but leave the idler pin installed in the idler bracket.



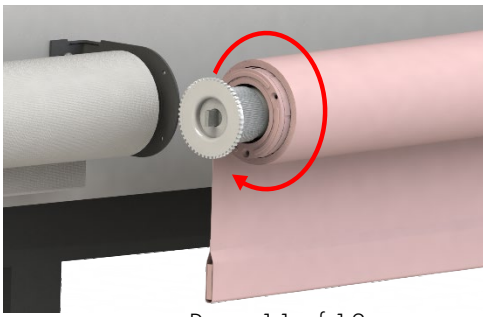


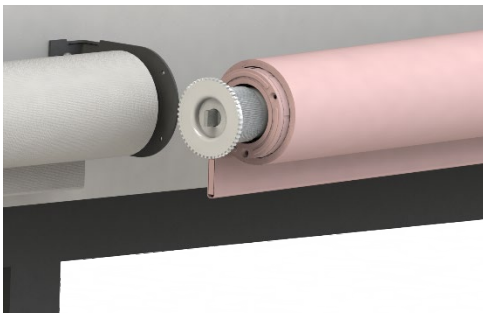
3. The male couplers are indexable to assist with the adjustment. Carefully remove the coupler from the sleeve being sure to note the current position.



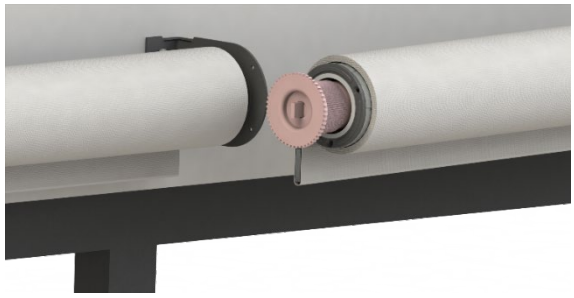
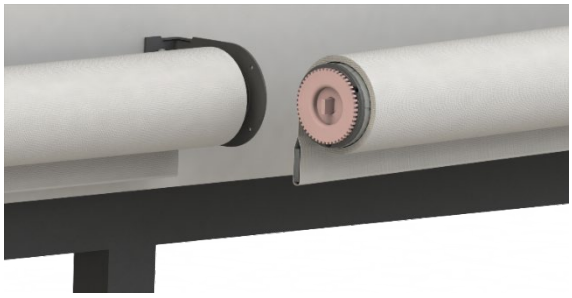


4. Rotate the shade around the coupler until the bottom of the panel lines up with the bottom of the panel adjacent to it.

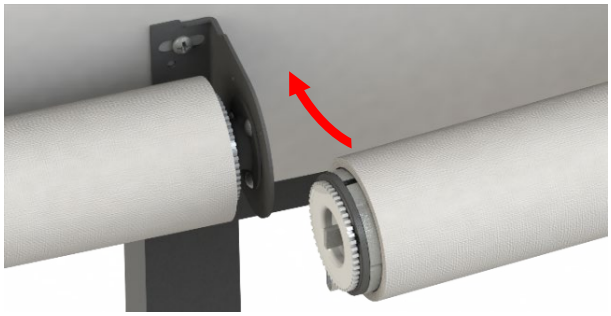
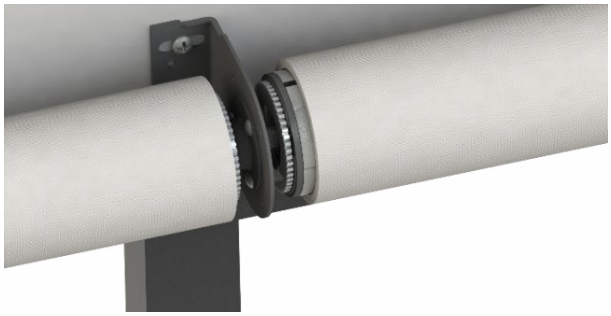
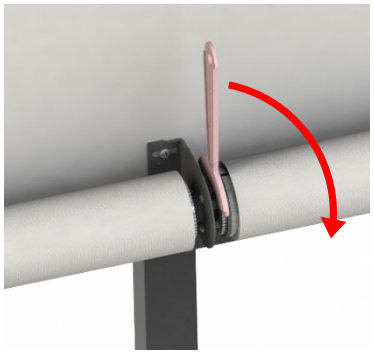
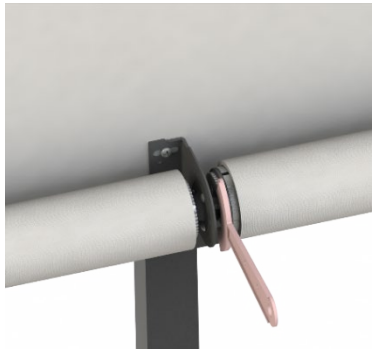
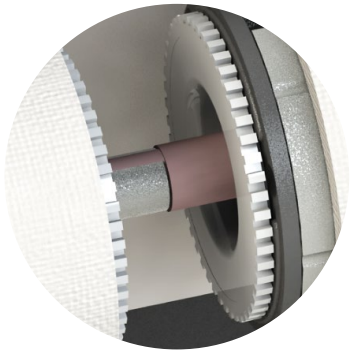




5. Insert the indexable male coupler into the tube assembly.

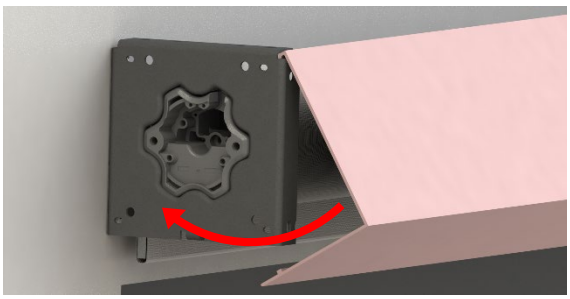
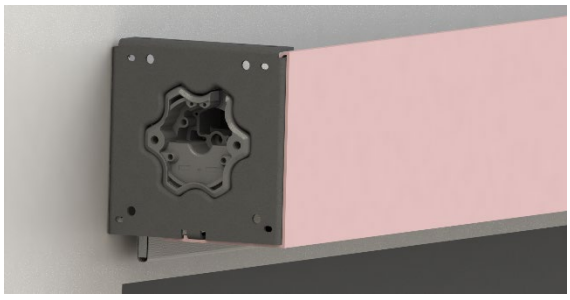



6. Re-install the male pin into the intermediate bracket so it mates with the female pin. The hem bars should now sit level and in line with each other. If the panel still needs adjusting, repeat section 2.51 Idler Panel Adjustment.

2.6 Fascia Installation

For fascia systems, install the fascia front cover(s) but hooking the top of the fascia into the top slit of the fascia brackets. Rotate down until you hear it snap into place.

2.7 End Cap Installation

Install the two plastic end caps by lining up the lugs on the end cap with the holes on the bracket. Press firmly until you hear it snap into place.

