

Battery Motor Installation Instructions



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Battery Motor Installation Instructions

1.0 Overview

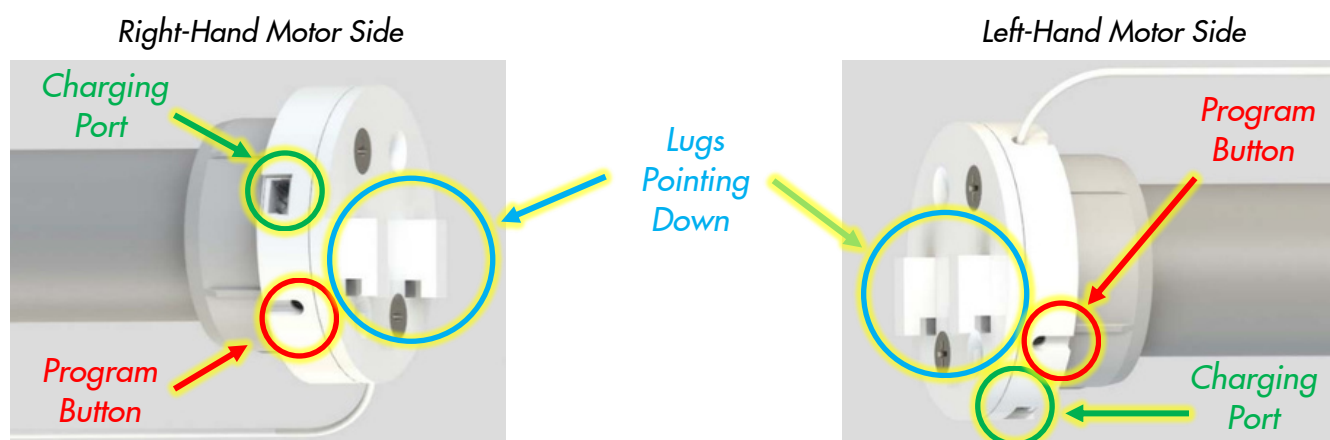
The following installation instructions are for Insolroll's battery powered motorized shades. ~~Mounting screws are not provided. The type and size of screw required are project specific and will vary depending upon the mounting surface.~~

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 Rechargeable Embedded Li-ion Motors

1.21 Motor Adapter Orientation for Exposed and Fascia Systems



1.22 Important Information about Battery Motor Charging Cables

The motor battery is fully charged prior to shipment and the motor is shipped in Deactivate mode. Refer to the Battery Motor Programming Instructions for more details.

All orders must include at least one charger. All fascia and cassette shades will include an 8" extension cable for easy charging. This extension cable can be ordered for other exposed and dual shade applications for an additional cost. The metal contacts of the connector must face toward the motor bracket side during insertion into the charge port.

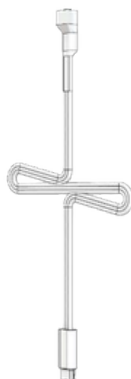


Li-ion Charger

76" long cable

Must be included with every Li-ion battery motor order

Plugs directly into the common electrical outlet



Extension Cable

8" long cable is included with all Fascia and Cassette shades.

94.5" long cable is also available.

Both can be ordered at an additional cost.

Cable Orientation

Cable can only be inserted in one orientation (metal contacts must face toward the motor bracket side)

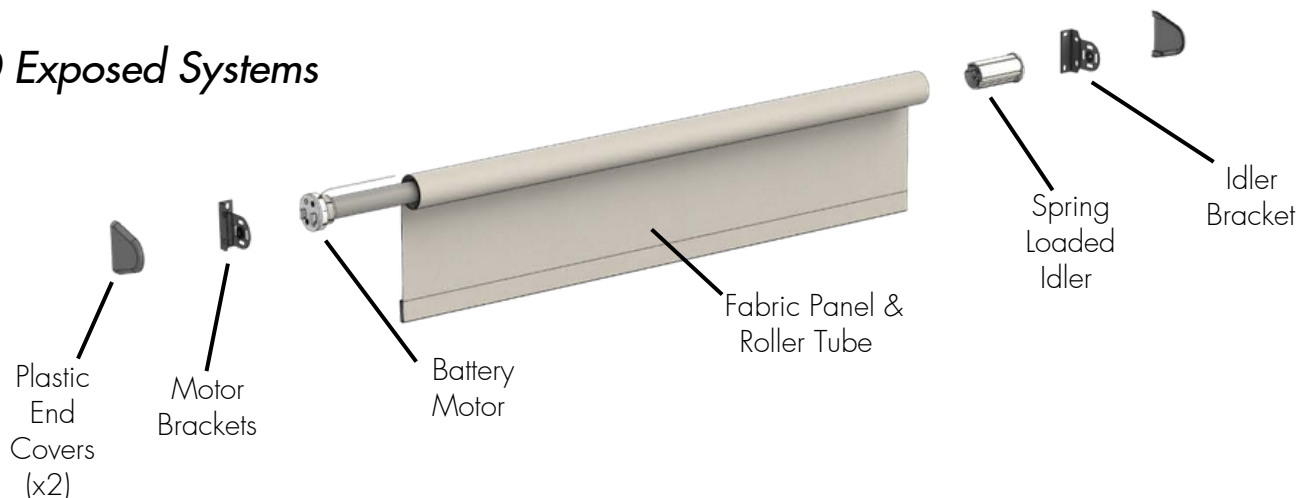


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1.3 Charging Information

All embedded motors and rechargeable battery packs are fully charged prior to shipment. Amount of use and size of shade will determine the battery life. Recharge the motor or pack using the charging cable provided. A full charge is usually reached within 3-4 hours. ~~Do not leave the charger plugged in continuously.~~

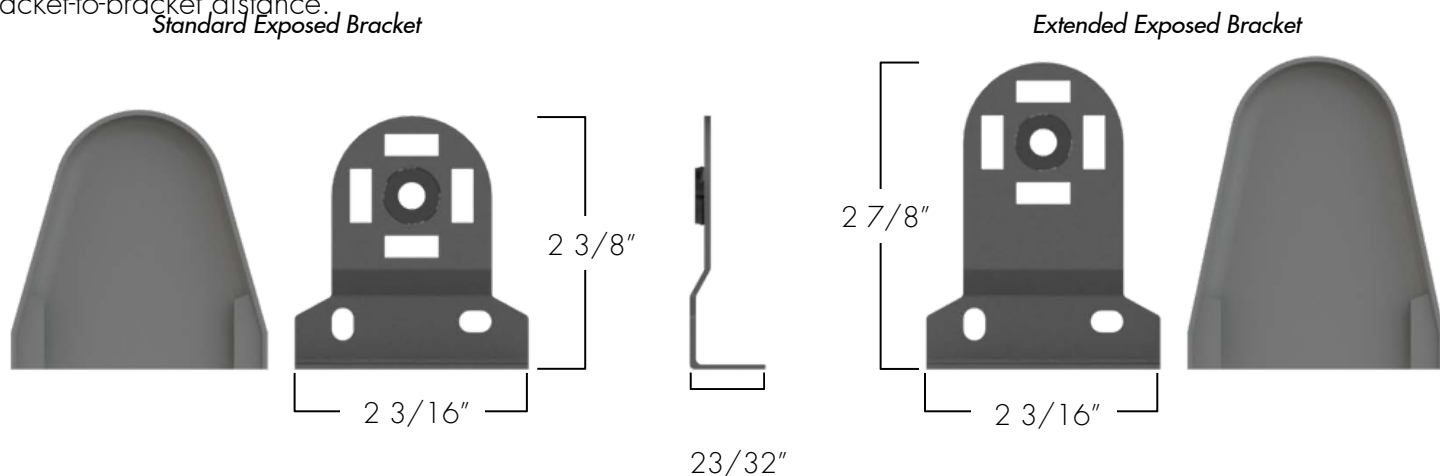
2.0 Exposed Systems



2.1 Exposed Bracket Options

The SMB exposed bracket system is offered in two sizes, a standard size for shorter shades and an extended size for taller shades. Motor and Idler brackets are identical. These brackets can be used for both ceiling and wall mount applications.

Optional plastic end caps are available, but keep in mind adding both plastic end caps add a total of $\frac{3}{16}$ " to the bracket-to-bracket distance.



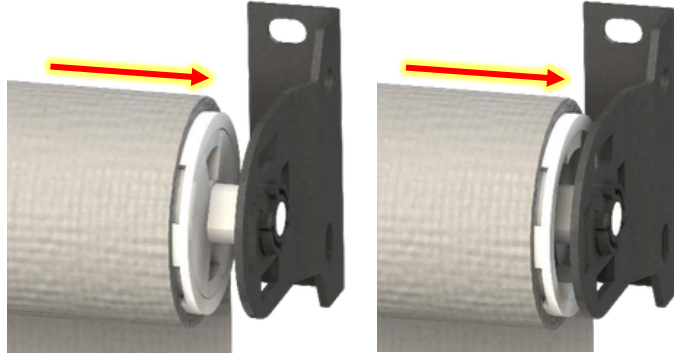
2.2 Bracket Location and Mounting

Mark the location of the brackets noting that the bracket-to-bracket width equals shade order width. For proper shade operation, brackets must be mounted perfectly level. Verify using a level.

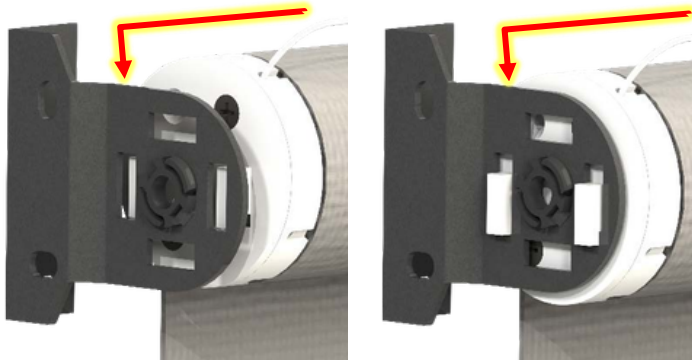
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2.3 Shade Installation

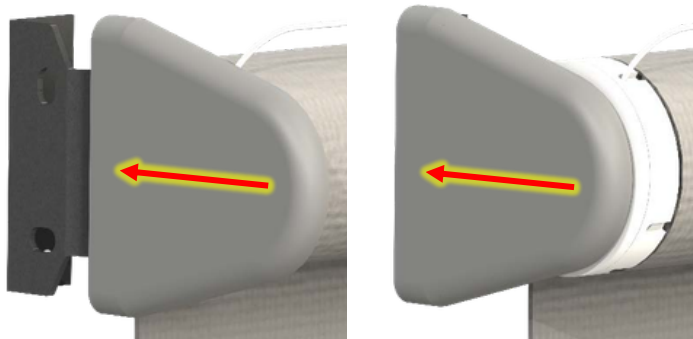
1. For both SMB and Star Head systems, install the shade by carefully inserting the idler pin into the idler bracket and compress the idler so the motor head bypasses the motor bracket.



2. Align the motor head adapter lugs to fit into the rectangular slots in the bracket. Push down on the motor head adapter to ensure the lugs are fully seated in the slots.



3. Install the bracket covers by simply sliding the cover over the bracket.



2.4 Shade Removal

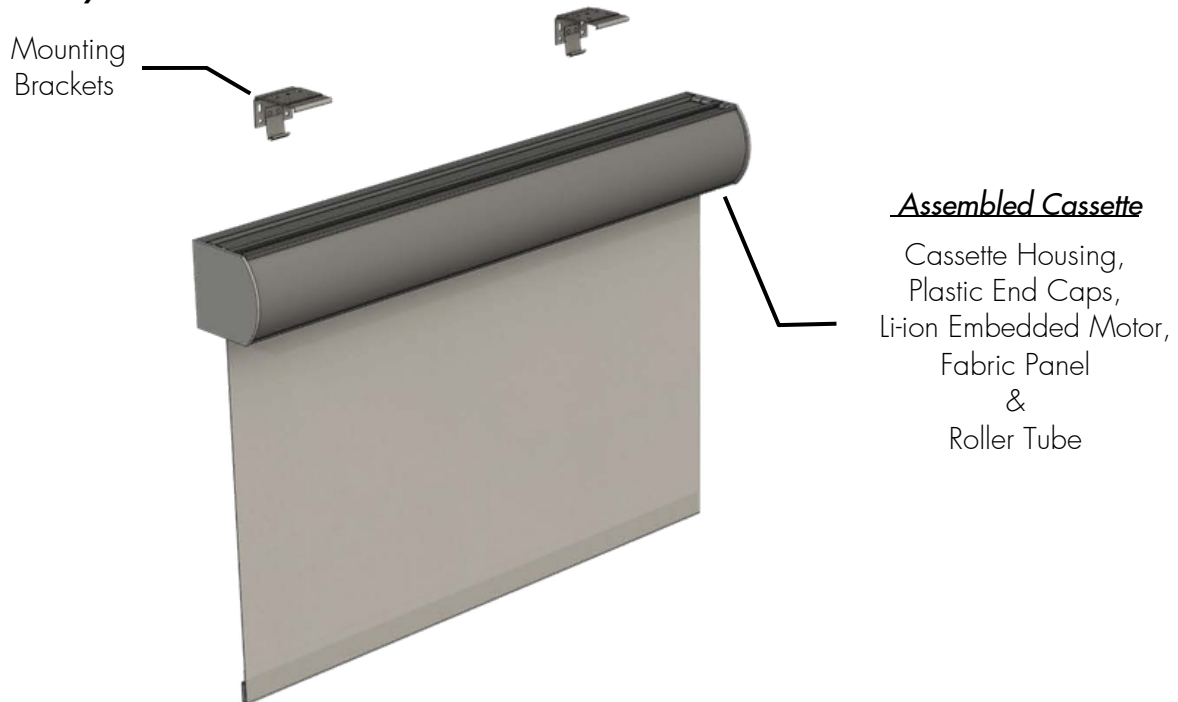
Begin by lifting the motor head so the adapter lugs are not fully seated. Move the shade toward the idler to compress the idler enough so that the motor head adapter lugs can swing by the motor bracket. Remove the idler pin from the idler bracket.

Shade Operation

For information on programming and operating your shade, please refer to the Battery Motor Programming Instructions.

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3.0 Cassette Systems

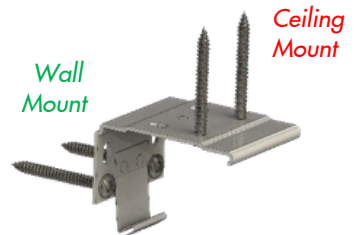


Antenna

Prior to shipment, the antenna is inserted in a ridge inside of the cassette to keep it hidden.

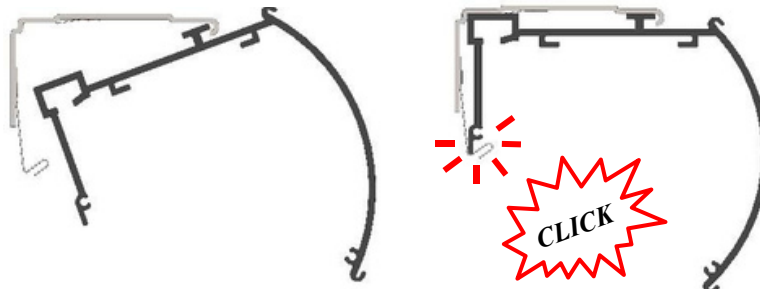
3.1 Cassette Mounting Brackets

Cassette systems are shipped fully assembled. These systems utilize mounting brackets that can be mounted for wall or ceiling mount. Mount two outer brackets approximately 2" in from the end. On wider units install center bracket(s) supplied. We recommend a pan head fastener; other fasteners may prohibit the cassette from seating properly.



3.2 Shade Installation

Hook top of extrusion into front of mounting brackets as shown. Rotate the back bottom corner of cassette up and snap into bracket.



3.3 Cassette Removal

To remove cassette, insert flat head screwdriver into mounting bracket slot, then back to release cassette.

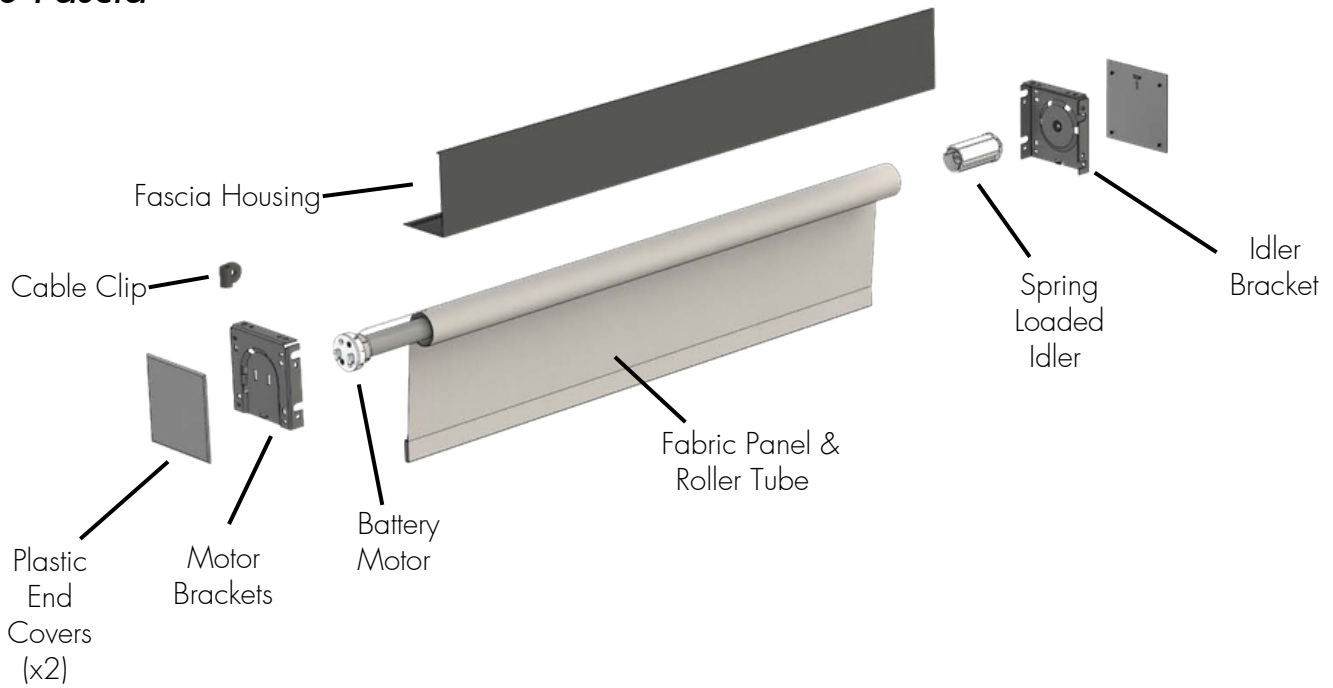
Shade Operation

Refer to the Battery Motor Programming Instructions for shade operation.



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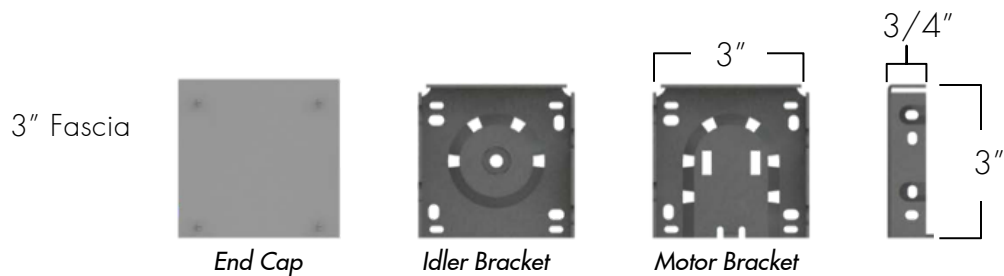
4.0 Fascia



4.1 Fascia Brackets

Motor and Idler brackets are different for this system so be sure to mount the motor bracket on the operator side that is noted in the order. These brackets can be used for both ceiling and wall mount applications.

Optional plastic end caps are available, but keep in mind adding both plastic end caps add a total of 1/4" to the bracket-to-bracket distance.



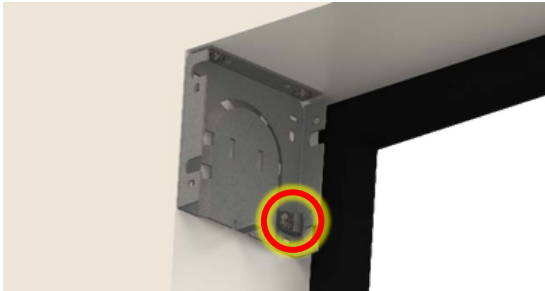
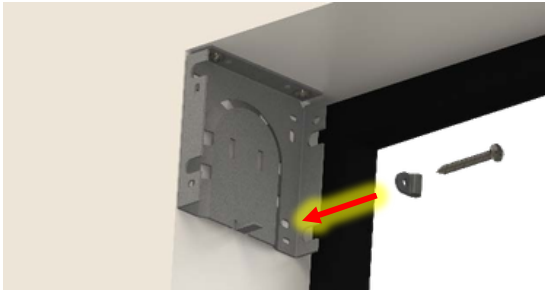
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Bracket Location and Mounting

Determine the operator side of the shade. Mark the location of the brackets noting that the bracket-to-bracket width equals shade width. For proper shade operation, brackets must be mounted perfectly level. Mount the wire clip provided to the motor side fascia bracket as shown to secure the antenna and 8" extension if applicable. The wire clip should be mounted so it is still accessible after the fascia front cover is installed.

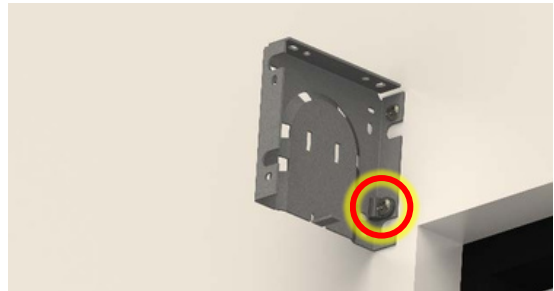
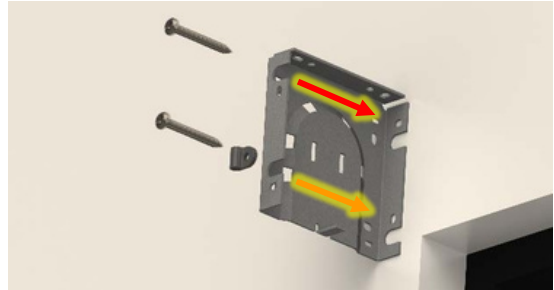
Inside Mount Applications

Small Motor Bracket (SMB)



Outside Mount Applications

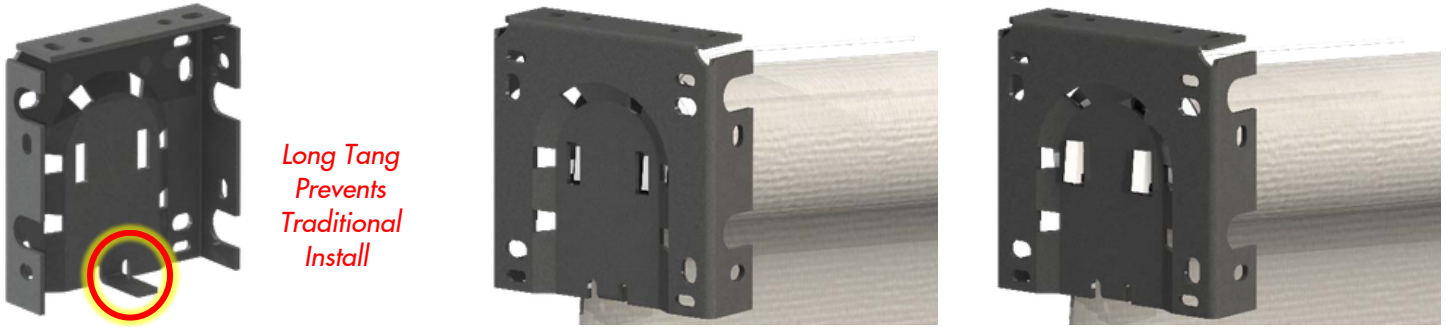
Small Motor Bracket (SMB)



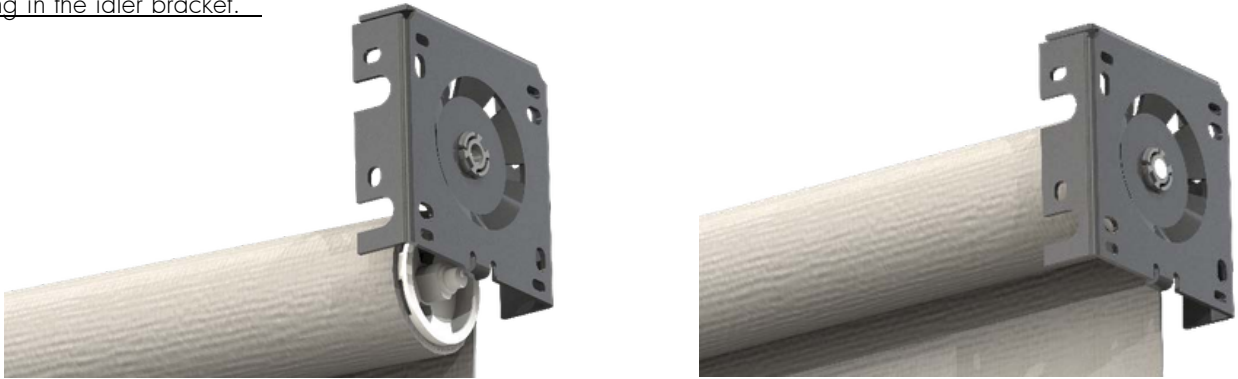
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4.2 Shade Installation – 3" Fascia

1. Due to the length of the motor bracket tang, install the shade motor side first by aligning the adapter lugs to fit into the rectangular slots in the bracket.

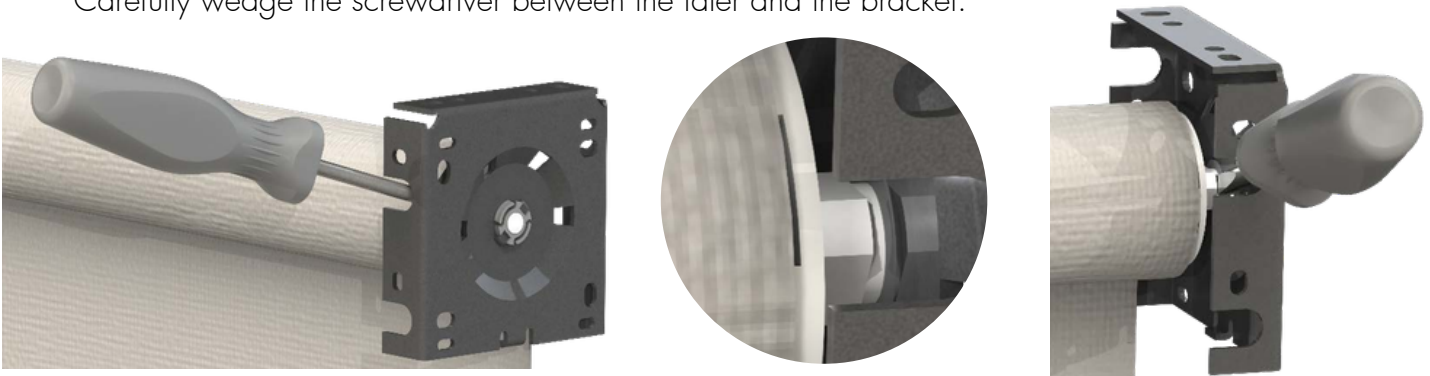


2. Then compress the idler pin by hand and carefully insert the idler pin into the plastic bushing. Be very careful: The plastic bushing can be damaged when decompressing the idler. The idler spring can exert enough force to break the plastic bushing in the idler bracket.



4.3 Shade Removal – 3" Fascia

1. The idler pin is stepped so there is a small flat area that will accept a flat head screwdriver. Carefully wedge the screwdriver between the idler and the bracket.

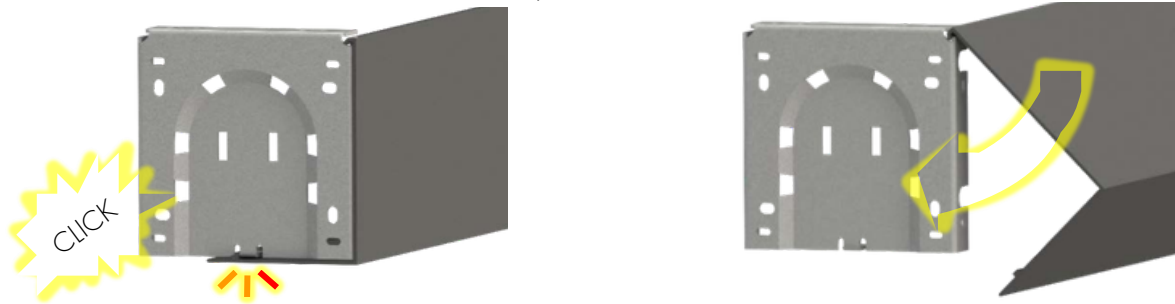


2. Maintain pressure against the idler pin while moving the shade down and away from the plastic bushing. Be very careful: The idler spring can exert enough force to break the plastic bushing in the idler bracket.
3. Lift the motor side of the shade so the motor head adapter lugs are out of the bracket and remove the shade.

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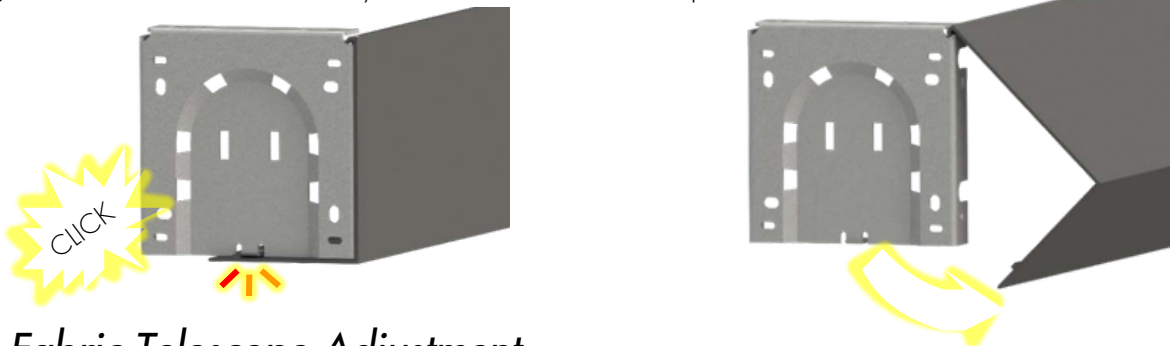
4.4 Fascia Installation

1. Ensure both the 8" extension cable and antenna are secured in the wire clip and won't interfere or be damaged when the shade is operating.
2. Insert fascia into the top lip of both brackets. Push fascia toward the back of the lower part of the bracket. The fascia snaps onto the tang of both brackets. If the fascia is not secure, check the tang to ensure it is not bent. If necessary, carefully bend the tang down so the fascia engages with the tang.
3. For outside mount, secure the end caps.



4.5 Fascia Removal

Remove the fascia by pulling down on the bottom flap of the fascia near the brackets to ease the fascia over the edge of each bracket. Carefully remove the fascia and place on a scratch resistant surface.



5.0 Fabric Telescope Adjustment

Fabric telescoping is excessive horizontal movement of fabric while shade rolls up on the tube. Shades are tested and fabric telescoping is adjusted prior to shipment, but additional adjustments may be required depending on each specific application.

If fabric adjustments are required, roll the shade all the way down so the tube is exposed (this will require adjustment of the lower limit using the Battery Motor Programming Instructions).

Place a piece of duct tape, 2"-4" in length, near the edge of the tube on the side opposite of the direction the fabric is moving.

Run the shade up and down a few times. If the shade still telescopes, repeat the process. The correct amount of tape can only be determined by trial and error. Re-set the lower limit after completing shade adjustments.