



Solera[®] Window Awning

Installation and Owner's Manual

(For Aftermarket Applications)

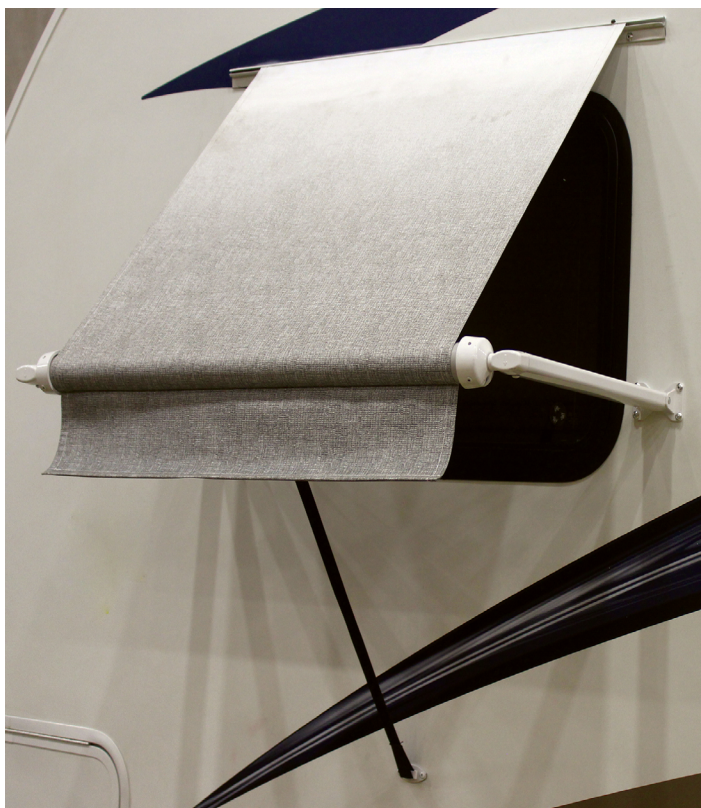


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Introduction

The Solera® Window Awning is designed for use on most recreational vehicle units and is available in a variety of sizes to fit even the largest unit.

Additional information about this product can be obtained from <https://support.lci1.com> or by using the LippertNOW app. Replacement kits can be ordered from <https://www.lippert.com/> or by using the LippertNOW app.

The LippertNOW app is available for free on Apple App Store® for iPhone® and iPad® and also on Google Play™ for Android™ users.

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For additional support on this product, scan this QR code or go to: <https://support.lci1.com/solera-window-awning>



Safety

Read and understand all instructions before installing or operating this product. Adhere to all safety labels. This manual provides general instructions. Many variables can change the circumstances of the instructions, i.e., the degree of difficulty, operation and ability of the individual performing the instructions. This manual cannot begin to plot out instructions for every possibility, but provides the general instructions, as necessary, for effectively interfacing with the device, product or system. Failure to correctly follow the provided instructions may result in death, serious personal injury, severe product and/or property damage, including voiding of the Lippert limited warranty.

⚠ WARNING

FAILURE TO FOLLOW THE INSTRUCTIONS PROVIDED IN THIS MANUAL MAY RESULT IN DEATH, SERIOUS INJURY, UNIT DAMAGE, OR VOIDING OF THE COMPONENT WARRANTY.

⚠ WARNING

ALWAYS WEAR EYE PROTECTION WHEN PERFORMING SERVICE OR MAINTENANCE TO THE UNIT. OTHER SAFETY EQUIPMENT TO CONSIDER WOULD BE HEARING PROTECTION, GLOVES AND POSSIBLY A FULL FACE SHIELD, DEPENDING ON THE NATURE OF THE SERVICE.

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⚠ CAUTION

MOVING PARTS CAN PINCH, CRUSH OR CUT. KEEP CLEAR AND USE CAUTION.

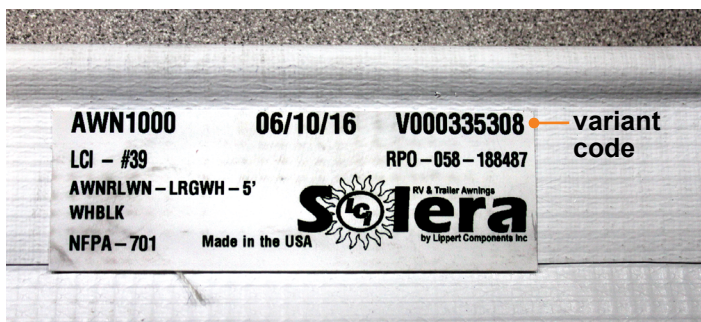
Resources Required

- Cordless or Electric Drill or Screw Gun
- Molly Rivets – 3/16" as needed
- Appropriate Drive Bits
- Measuring Tape
- Drill Bit – 3/16"
- Vise Grips
- Sealant

Variant Code Information

The variant code on Lippert products can assist Lippert customers in obtaining additional information about the product and its components. On the Solera® Window Awning, the label will be located on the fabric portion of the assembly.

For replacement part information, locate the variant code as outlined below, and call Lippert customer service at 432-547-7378.



NOTE: Prior to installation, please check the following clearance. In order for the pull strap bracket to work properly (See Installation of Pull Strap Bracket in this document) clear wall space of 41" is needed for the standard arm (18") or 65" is needed for the XL arm (33"). This measurement is taken from the channel of the awning rail (located approximately 3" above the window frame) to a position downward on the unit wall. This measurement is especially critical on window awnings located on slide room windows.



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Installation of the Awning Rail

1. Mark the center of the window and the center of the awning rail (Fig.1).

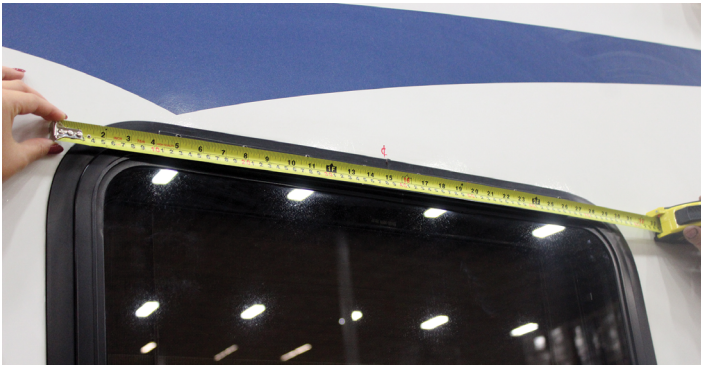


Fig.1

2. Position and center the awning rail approximately 3" above the top of the window frame.
3. Apply a sealant behind the awning rail before securing the awning rail with #8 - 18 x 1" self-drilling fasteners or 3/16" molly rivets (Fig.2).



Fig.2

Hanging the Window Awning

⚠ CAUTION

DO NOT REMOVE THE COTTER PINS AT THIS TIME.

1. Attach the support arm to the spring head assembly and secure together with one #10 - 12 x 1" fastener (Fig.3). Both arms are identical and can be used interchangeably. Repeat for the other end.

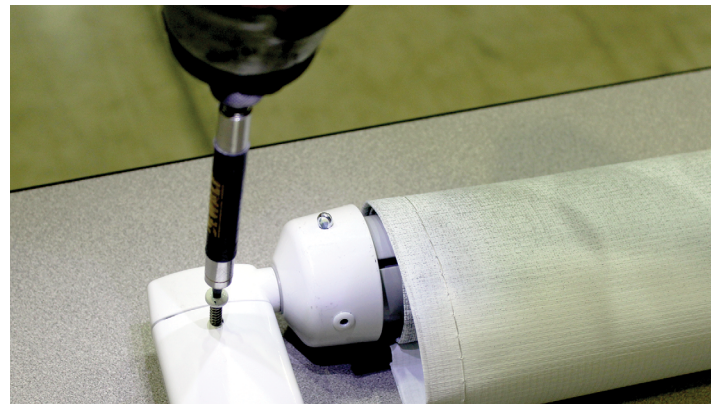


Fig.3

2. Unroll one full roll of the fabric to slide the polycord into the awning rail. If too much fabric is unrolled before releasing the tension, there will not be enough tension to sufficiently retract the awning after use.
3. Insert the polycord into the channel in the awning rail (Fig.4) and center the fabric with the awning rail.

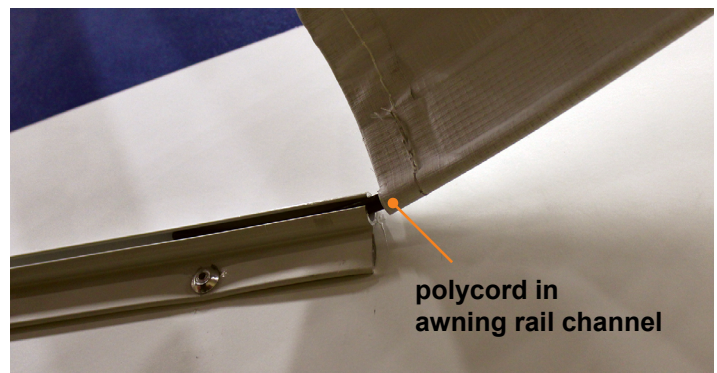


Fig.4



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4. Secure the fabric in the awning rail by installing a #6 x 1/2" self-drilling fastener through the awning rail, polycord and fabric 1" inside the edge of the fabric on both ends (Fig.5).



Fig.5

Releasing Preset Tension

⚠ WARNING

SPRINGS ARE UNDER TENSION WHEN COTTER PINS ARE REMOVED. THE AWNING WILL ATTEMPT TO CLOSE. KEEP HANDS CLEAR OF HARDWARE AND ROLL TUBE.

⚠ WARNING

USE EXTREME CARE. SPRINGS UNDER TENSION ARE DANGEROUS. IF NOT CONTROLLED THEY WILL UNWIND QUICKLY. KEEP HANDS AND CLOTHING CLEAR OF SPRING HEAD ASSEMBLY, AS PERSONAL INJURY MAY RESULT.

5. Remove the cotter pin that is holding factory preset tension. The cotter pin is found in the roll tube end cap (Fig.6). For easier removal, twist the roll tube as if extending the awning while pulling on the cotter pin.

6. Discard pin and repeat for other end. The support arms will now be free to move due to release of the spring tension. Maintain control of the support arm and place against the unit wall. Push the support arms up until the end cap pushes against the channel of the awning rail.

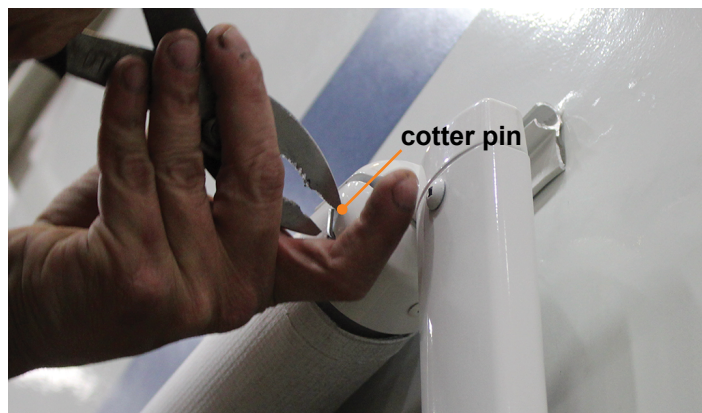


Fig.6

Installation of Support Arms

1. Measure from the edge of the window frame to the arm on both sides in two locations. Make sure the support arms have the same amount of space on both sides and are parallel to the side of the window frame. Mark the location of the bottom of the support arm (Fig.7).

2. Apply sealant at the support arm fastening points. Install fasteners, making sure the top of the roll tube end caps of the support arm assemblies are just below the polycord channel of the awning rail, and the arms are parallel with the window frame.

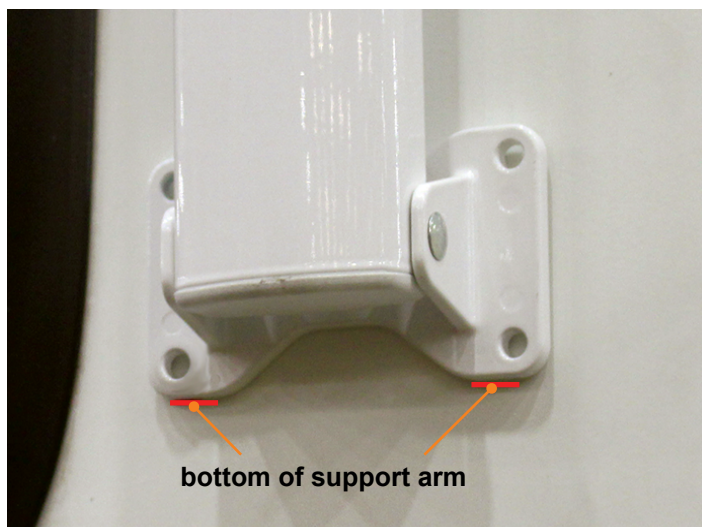


Fig.7



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NOTE: For fiberglass and aluminum sidewall units with backer material, drill four $\frac{1}{8}$ " diameter holes, apply sealant and secure the support arm assembly using four #10 - 12 x 1" fasteners (Fig.8). Repeat for other end.

NOTE: For fiberglass and aluminum sidewall units without backer material, drill four holes using a $\frac{3}{16}$ " drill bit. Apply sealant and secure the support arm assembly using $\frac{3}{16}$ " diameter molly rivets (Fig.9).



Fig.8



Fig.9

3. Place the protective bumpers on the awning rail, just below the awning rail channel, behind the roll tube end cap on each end. Let the roll tube end caps rest on these bumpers. (Fig.10).



Fig.10

Installation of Pull Strap Bracket

NOTE: Prior to installation please check the following clearance. In order for the pull strap bracket to work properly, clear wall space of 41" is needed for the standard arm (18") and 65" is needed for the XL arm (33"). This measurement is taken from the channel of the awning rail (located approximately 3" above the window frame) to a position downward on the unit wall. This measurement is especially critical on window awnings located on slide room windows.

1. Open the awning to its full extension by pulling down on the pull strap.



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2. Center the strap in the awning. Move the loop of the pull strap toward the unit and under the windowsill to locate the placement of the pull strap bracket. Mark the location (Fig.11). The valance should be hanging straight down.

⚠ CAUTION

MAKE SURE AWNING IS PULLED TAUT BY THE PULL STRAP WHEN POSITIONING THE PULL STRAP BRACKET.



Fig.11

3. Apply sealant and install pull strap bracket with two #10 - 12 x 1" fasteners or molly rivets as needed (Fig.12).



Fig.12

4. To secure the awning, locate the pull strap and hook the end into the pull strap bracket (Fig.13).



Fig.13



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Operation

To Open Window Awning

1. Grasp the loop on the pull strap and pull down to extend the awning then hook the loop onto the pull strap bracket (Fig. 14).



Fig.14



Fig.15

To Close Window Awning

1. Remove the pull strap from the pull strap bracket (Fig.15).

⚠ CAUTION

DONOT RELEASE STRAP AS WINDOW AWNING IS UNDER TENSION AND MAY SNAP BACK AGAINST THE UNIT.

2. Slowly allow awning to retract to closed position by feeding the pull strap upwards at a 45-degree angle. This prevents the strap from building up and creating a bulge in the fabric.

3. The awning is now ready for travel with no further locking required.

Loading the Tension

NOTE: If the Solera® Window Awning does not have cotter pins holding the pre-wound spring head assemblies, then tension must be added.

⚠ WARNING

USE EXTREME CARE. SPRINGS UNDER TENSION ARE DANGEROUS. IF NOT CONTROLLED THEY WILL UNWIND QUICKLY. KEEP HANDS AND CLOTHING CLEAR OF TOP CASTING, AS PERSONAL INJURY MAY RESULT.

1. Remove the #10 - 12 x 1" fastener from the support arm and lift the spring head assembly out of the support arm on both sides (Fig.16).

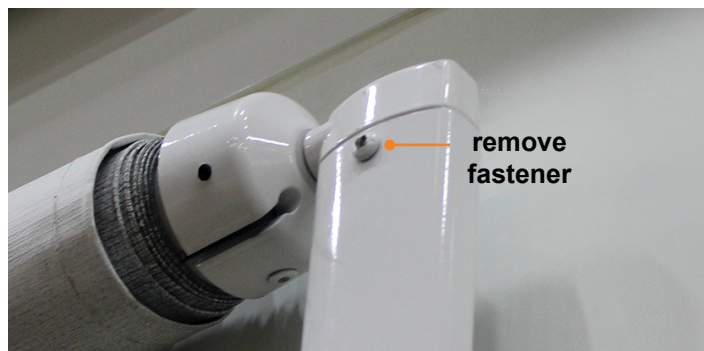


Fig.16

2. To load tension on the torsion spring, turn the spring head assembly as shown in (Fig.17 and Fig.18).

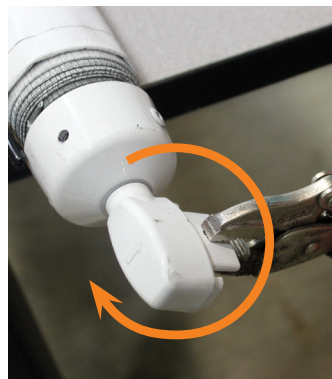


Fig.17

Left End Cap -
Turn clockwise

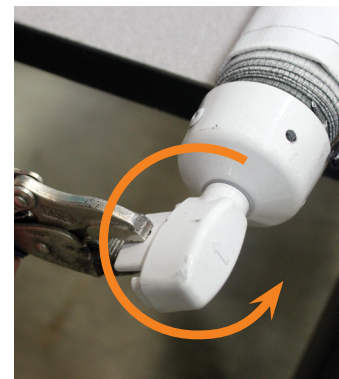


Fig.18

Right End Cap -
Turn counterclockwise



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3. Refer to the chart (Fig.19) for the number of turns required for the awning size.

Size	Turns
156-192"	16
144"	14
132"	14
120"	13
108"	13
96"	13
90"	13
84"	12
72"	12
66"	12
60"	11
54"	10
48" or less	9

Fig.19

4. When facing the awning, the spring head assembly on the right is to be turned counterclockwise. The spring head assembly on the left is to be turned clockwise.

NOTE: There are arrows on both end caps indicating the correct direction to turn the springs (Fig.20).

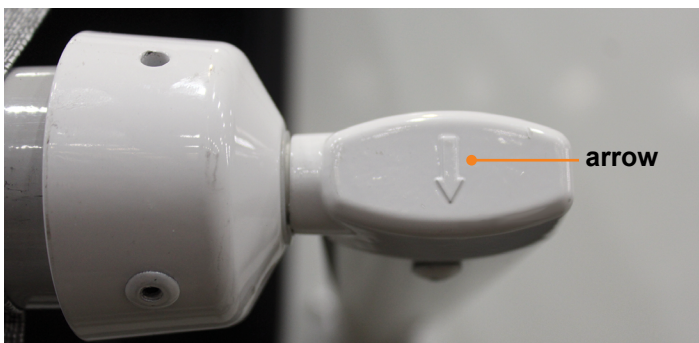


Fig.20

5. Turn the spring head assembly as specified and insert cotter pins. Carefully insert the spring head assembly back into the support arm assembly, secure with a #10 - 12 x 1" fastener. Repeat for the other side. Remove cotter pins.

Maintenance

Fabric Care

If the awning is retracted while wet, extend the awning and let it dry as soon as conditions allow before retracting it again. This will help prevent the formation of mildew and add greatly to the life of the awning. Mildew does not form on the fabric itself, but on the accumulated dust, dirt and grime.

NOTE: Periodically clean vinyl or woven acrylic fabric using a mixture of ¼ cup of dish soap and 5 gallons of warm water. Liberally apply the mixture on the top of the fabric and retract the awning for 5 minutes. This will apply the mixture to the bottom of the fabric as well. Extend the awning and hose off with fresh water. Repeat if necessary. Allow to dry before retracting.



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