



SOLERA®
PULL STRAP AWNING
OWNER'S MANUAL

L I P P E R T
C O M P O N E N T S®

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Introduction

The Solera® Manual Pull Strap Awning extends and retracts with the easy-to-use pull strap. This manual provides operational procedures for Solera Manual Pull Strap Awning. Solera Manual Pull Strap Awning features an internal spring system that extends and retracts the awning. Additionally, the friction joint allows for rain dump and adjustable pitch features, and there is no rafter arm to lock in place. The friction joint also provides added stability.

Additional information about this product can be obtained from www.lci1.com/support or by downloading the free myLCI app. The app is available on iTunes for iPhone and iPad and also on Google Play™ for Android™ users. iTunes, iPhone, and iPad are registered trademarks of Apple Inc. Google Play™ and Android™ are trademarks of Google Inc.

For information on the assembly or individual components of this product, please visit:
<https://support.lci1.com/solera-manual-pull-strap>.

NOTE: Images used in this document are for reference only when assembling, installing and/or operating this product. Actual appearance of provided and/or purchased parts and assemblies may differ.

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 LCI limited warranty.

WARNING

The "WARNING" symbol above is a sign that a procedure has a safety risk involved and may cause death or serious personal injury if not performed safely and within the parameters set forth in this manual.

WARNING

Failure to follow the instructions provided in this manual may result in death, serious injury, unit damage, or voiding of the component warranty.

CAUTION

The "CAUTION" symbol above is a sign that a procedure has a safety risk involved and may cause personal injury or product and/or property damage if not performed safely and within the parameters set forth in this manual.

CAUTION

Moving parts can pinch, crush or cut. Keep clear and use caution.

CAUTION

Operating the Solera Manual Pull Strap Awning in any other manner than described may result in personal injury, damage to the recreational vehicle or the awning assembly as well as voiding the Lippert Components Limited Warranty.

Operation

Extending the Awning

1. Locate the locking latch (Fig. 1), if equipped, and unlock the latch (Fig. 2).

NOTE: This latch is optional and may or may not be installed on one or both support arms.

2. Using the pull rod, place the "L" end of the rod on top of the cam lock (Fig. 3A) and pull down on the lock to release it (Fig. 3).



Fig. 1

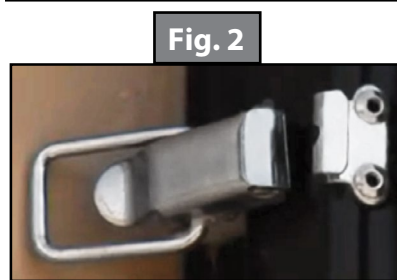


Fig. 2

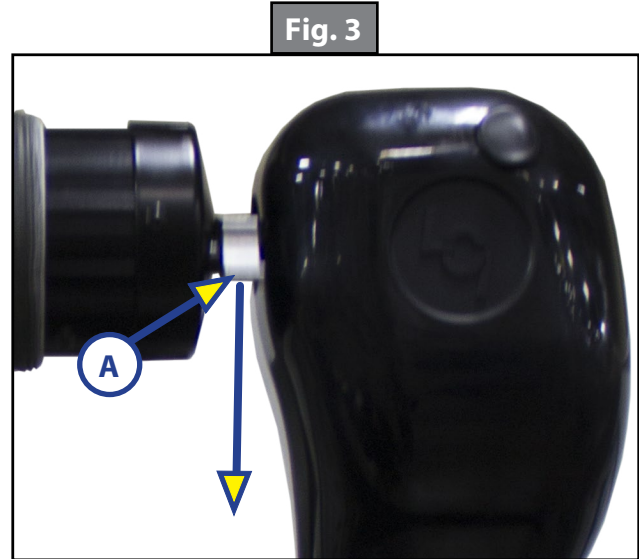


Fig. 3

3. Insert the pull rod into the pull strap (Fig. 4).
4. Pull strap to chest height using the pull rod. Using hands to grasp the strap, walk the awning outward, keeping in front of the roll tube at all times (Fig. 5).

NOTE: Extension is considered complete when the fabric is completely unrolled, the valance seam is visible and a section of the roll tube is exposed (Fig. 6). The exposed part of the roll tube will be under the awning upon full extension. Also, check to make sure the cam lock is on top of the roll tube.

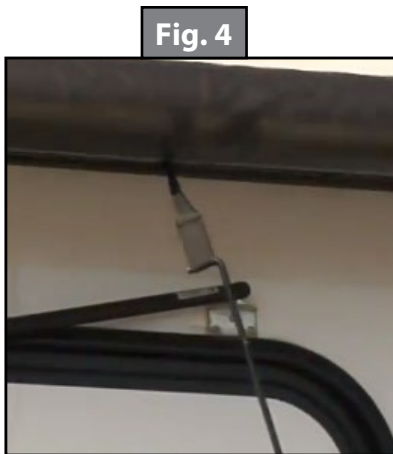


Fig. 4

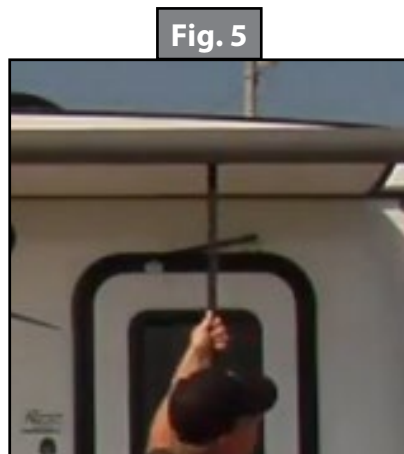


Fig. 5

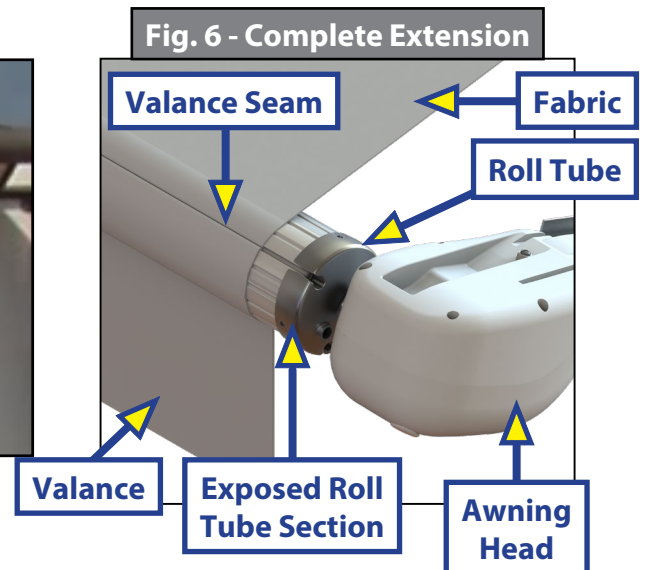


Fig. 6 - Complete Extension

⚠ CAUTION

Tying the roll tube down once extended will not allow the free floating support arms to work as designed and may cause damage to the awning or RV.

5. Do NOT tie down the roll tube, which would restrict proper support arm movement.

Retracting the Awning

NOTE: The awning can be retracted without resetting the pitch. See Adjusting Pitch section.

1. Grasp the strap and pull slightly to release pressure on the cam lock (Fig. 7A) and disengaging the cam lock.
2. While holding the strap in hand, walk the awning toward the unit until the strap is about chest height (Fig. 8).

Fig. 7

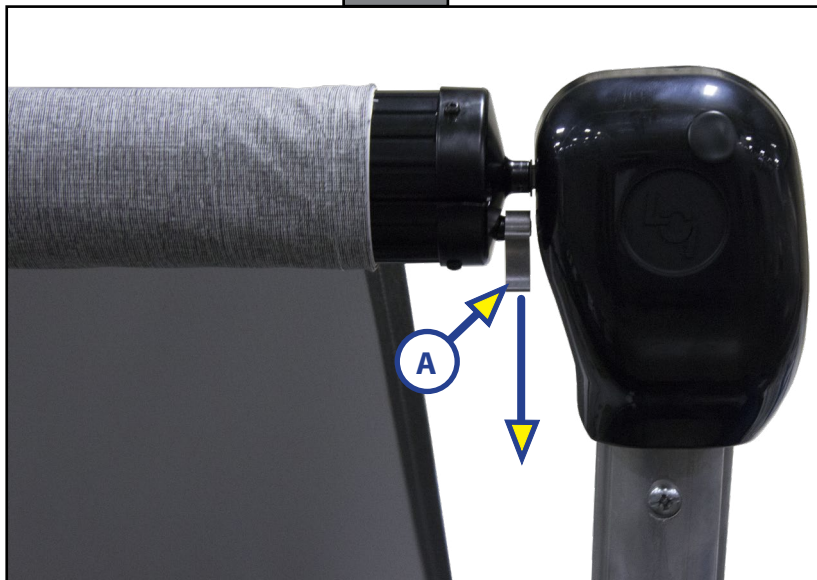


Fig. 8



3. Insert pull rod into the pull strap.
4. Walk awning all the way in until it stops (Figs. 9 and 10). Remove pull rod from strap.
5. Locate the locking latch (Fig. 11), if equipped. Lock the latch to secure the awning in place (Fig. 12).

NOTE: This latch is optional and may or may not be installed on one or both support arms. If not installed, awning is secured and ready for transportation.

Fig. 9



Fig. 10



Fig. 11



Fig. 12



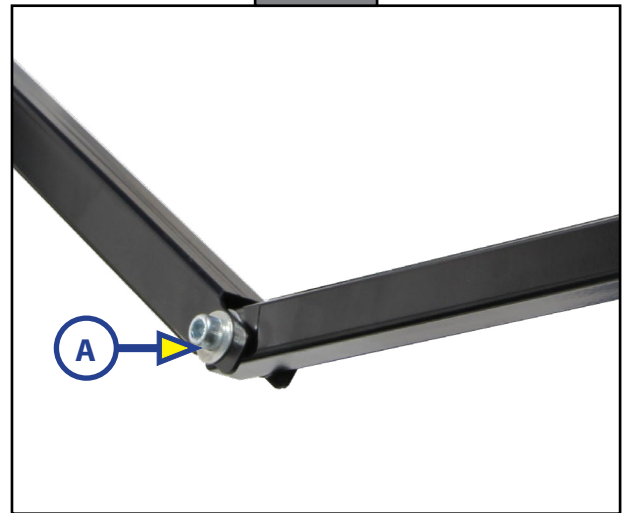
Adjusting Pitch

1. Pitch can be set manually by adjusting the articulating arm to tip one side of the awning to allow water runoff.
- NOTE:** The awning will pitch itself to purge the pooling of excess water and may dump a significant amount of water without notice.
2. Extend the awning to desired position.
 3. Choose the side of the awning for optimum shade or convenient water runoff. Pull downward on the joint of the articulating arm until desired pitch is set (Fig. 13). Do not push the articulating arm up past straight. This will put tension on the gas strut, which can cause the strut to break. Belleville washers and bolt (Fig. 14A) allow for the joint to remain in the set position.
- NOTE:** If the articulating arm does not hold position, it can be tightened by adjusting the bolt (Fig. 14A) in the center of the articulating arm.
- NOTE:** The awning can be retracted without resetting the pitch.

Fig. 13



Fig. 14



Maintenance

Fabric Care

If the awning is rolled up while wet, roll it out and let it dry as soon as conditions allow before rolling it up again. This will help prevent the formation of mildew and add greatly to the life of the awning.

NOTE: Mildew does not form on the fabric itself, but on the accumulated dust, dirt and grime.

Periodically clean vinyl or woven acrylic fabric using a mixture of $\frac{1}{4}$ cup of dish soap and five gallons of warm water.

1. Liberally slobber the mixture on the top of the fabric and roll up the awning for five minutes.
2. Apply the mixture to the bottom of the fabric as well.
3. Roll the awning back out and hose off with fresh water.
4. Repeat if necessary.
5. Allow the fabric to dry before rolling up.

Troubleshooting

What's Happening?	Why?	What Should Be Done?
Awning won't open.	Locked	If optional travel locks are installed, make sure that they have been unlocked.
		Make sure cam lock is flipped to the extend position.
Awning pitch won't stay in the flat position.	Bad gas strut, incorrect pitch arm tension	Check for bad gas strut which will not allow awning to open all the way. The fabric will just drop down.
		Check pitch arm bolt for proper tension. (High winds can cause the pitch arm to deviate from the flat position due to the built-in safety feature of the awning.)
		Make sure all three washers are in the proper location of the pitch arm.
Awning doesn't close all the way.	Obstructions, fabric not square	The awning is considered completely closed as long as the outer arm is overlapping the mount arm. This overlap can vary.
		Make sure there are no obstructions in the support arm assemblies preventing the awning from closing.
		Verify the fabric is square from unit to roll tube and is rolling up straight on the roll tube.
Awning seems to wobble when extending or retracting.	Loose bolts, end caps not seated, bent shaft, mount arms not secured or bent, spacers not properly located	Make sure the bolts that hold the head to the support arm assemblies are tight.
		Make sure the end caps are seated properly on the roll tube.
		Make sure the shaft coming out of the head going to the end cap isn't bent.
		Make sure the mount arms are properly secured to the wall.
		Make sure no part of the support arm assemblies are bent.
		Make sure the wear collar spacers are all properly located in the support arm assemblies.
Awning will not stay in the rolled out position.	Faulty cam lock	Check the cam lock. Signs of a faulty cam lock include: • The absence of a clicking noise when the awning is rolled out. • The awning rolling back up after it is placed in the stop position.



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For all concerns or questions, please contact
Lippert Components, Inc.

Ph: (574) 537-8900 | Web: www.lci1.com | Email: customerservice@lci1.com



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Follow proper safety practices. If in doubt, consult a professional RV technician.