



BY  **LIPPERT™**

3000 SERIES 12V POWER AWNING WITH NO MANUAL OVERRIDE OWNER'S MANUAL



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TABLE OF CONTENTS

Introduction	2
Safety	3
Operation	4
Extending the Awning	4
Adjusting Pitch Arm Fasteners	6
Retracting the Awning	6
Maintenance	6
Fabric Care	6
Variant Code Information	7
Awning Manual Retract Procedure	7
Resources Required	7
Procedure #1 (Preferred)	7
Procedure #2	8
Procedure #3	8
Notes	9

Introduction

The Solera® 3000 Series 12V Power Awning features an internal motor to steadily operate the awning. Additionally, the pitch arm allows for adjustable pitch, and there is no rafter arm to lock in place. The pitch arm also provides added stability.

Additional information about this product can be obtained from lci1.com/support or by downloading the free LippertNOW app. The app is available on Apple App Store® for iPhone® and iPad® and also on Google Play™ for Android™ users.

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For information on the assembly or individual components of this product, please visit:

<https://support.lci1.com/solera-3000-series-12v-power-awning>

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 Lippert 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.

CAUTION

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

WARNING

IMPACT OR CRUSH HAZARD - Pitch MUST be set to lower one side of the awning after the awning is extended. Failure to set pitch could lead to water, snow or debris accumulating on the awning fabric, which could cause the awning to move unpredictably, become unstable, and bend or collapse causing death or personal injury or property damage.

WARNING

IMPACT OR CRUSH HAZARD - Do NOT adjust pitch manually if there is already pooling water, snow or debris on the awning fabric. Keep the awning arm area clear of people and objects when in operation. Failure to heed these warnings could cause severe personal injury and/or property damage.

CAUTION

The awning **MUST** be retracted completely during incidents of high wind, heavy rain and/or during any extended time away from the unit. Failure to retract the awning in those instances could cause extensive damage to the awning and unit.

CAUTION

This manual provides operational procedures for Solera® Power Awning. Operating the Solera® Power Awning in any other manner than described may result in personal injury, damage to the recreational vehicle unit or the awning assembly as well as voiding the Lippert Components Limited Warranty.

CAUTION

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

Operation

If the unit is equipped with a travel lock, be sure to unlock prior to extending the awning. After retraction and before travel, be sure to lock the support arms back into place.

Note: Travel locks can vary in form between manufacturers. Be sure to identify the travel lock on the awning to ensure safe and proper use.

Extending the Awning

⚠ WARNING

IMPACT OR CRUSH HAZARD - Pitch MUST be set to lower one side of the awning after the awning is extended. Failure to set pitch could lead to water, snow or debris accumulating on the awning fabric, which could cause the awning to move unpredictably, become unstable, and bend or collapse causing death or personal injury or property damage.

⚠ WARNING

IMPACT OR CRUSH HAZARD - Do NOT adjust pitch manually if there is already pooling water, snow or debris on the awning fabric. Keep the awning arm area clear of people and objects when in operation. Failure to heed these warnings could cause severe personal injury and/or property damage.

⚠ CAUTION

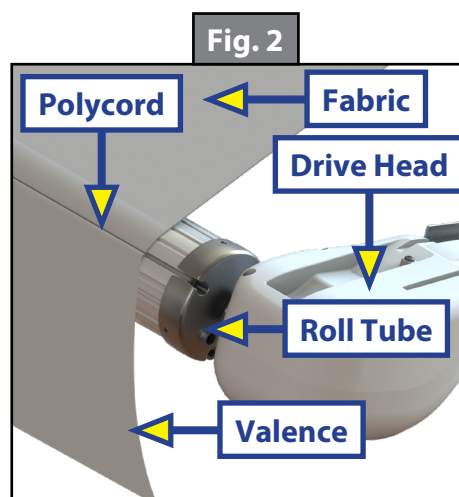
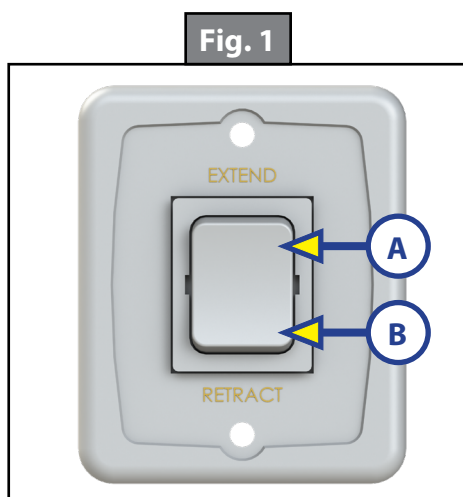
Tying down the roll tube once the awning is extended will not allow the free-floating support arms to work as designed and may cause damage to the awning or unit.

1. Verify the unit's battery is fully charged and connected to the electrical system.
2. Press and hold "EXTEND" (Fig. 1A) until the awning is extended completely.

Note: Some units may not use the Lippert switch (Fig. 1).

Note: Extension is considered complete when the fabric is completely unrolled, the valance polycord is visible and a section of the roll tube is exposed (Fig. 2).

Note: The awning fabric should always be above the roll tube. However, if the "EXTEND" switch is engaged too long or "EXTEND" is hit inadvertently instead of "RETRACT", the awning will roll up backward. This is not a defect. To correct the fabric orientation, press the "RETRACT" button. The awning will then extend to its correct orientation and normal operation can resume.



3. Set pitch using pitch arms with gas strut (Fig.3A).
Scan this QR Code to watch the video on How to Correctly Pitch a Lippert Awning.



- A. Choose the side of the awning for optimum shade or convenient water runoff. Pitch **MUST** be set by adjusting the articulating arm to tip one side of the awning to allow water runoff.

Note: Before manually adjusting pitch, make sure there is no water or snow pooling or debris present on top of the awning fabric. Use a long-handled tool that will not puncture the fabric (e.g. a broom) to push up on the awning fabric to drain off the water, snow or debris.

- B. Pull downward on the joint of the pitch arm until desired pitch is set (Fig. 3). A bolt, Belleville washers and nut (Fig. 4A) allow the joint to remain in the position set by the operator. If pitch arm does not hold position, see "Adjusting Pitch Arm Fasteners" in the Troubleshooting section of this manual.

Note: Do not push the joints of the articulating arms up past a straight line (Fig. 5A). This will put tension on the gas strut, which can cause the strut to break.

Fig. 3

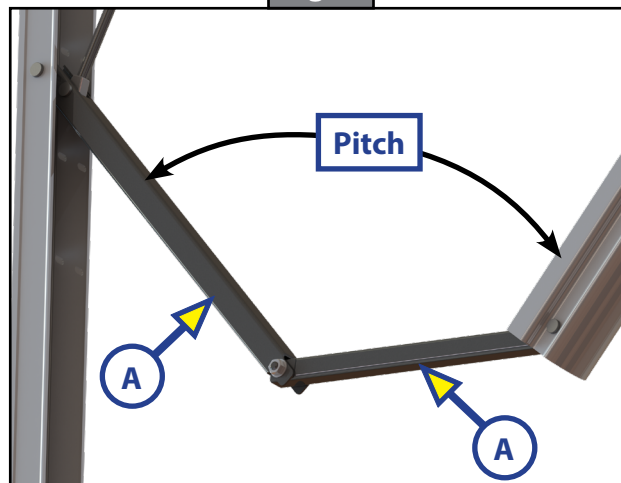


Fig. 4

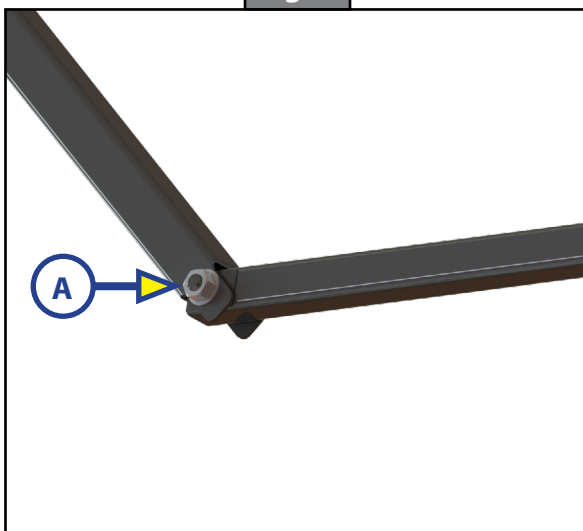
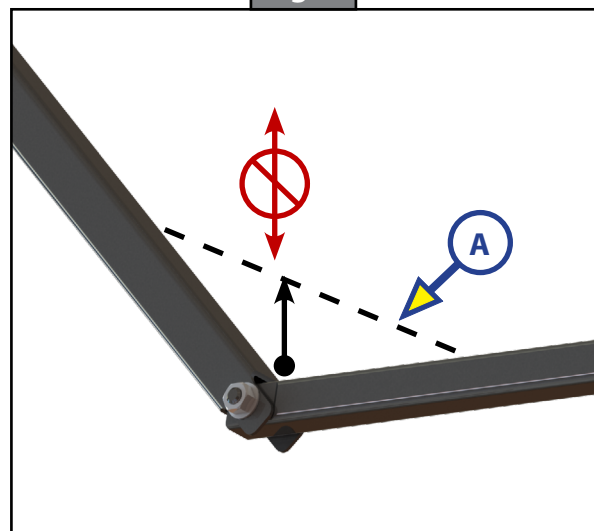


Fig. 5

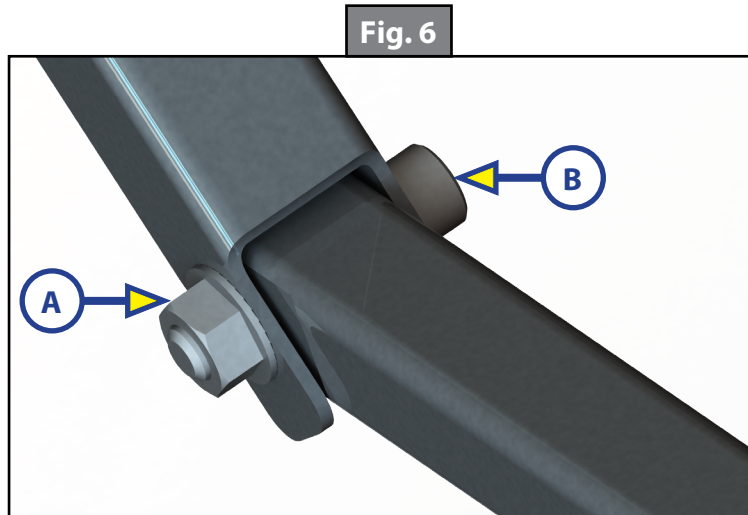


Adjusting Pitch Arm Fasteners

If the pitch arm does not hold position, it can be tightened by adjusting the bolt (Fig. 6A) in the center of the pitch arm.

1. Use a 1/2" wrench to tighten the nut (Fig. 6A) while holding the bolt (Fig. 6B) on the other side of the pitch arm with a 1/4" hex wrench.

Note: When tightening the nut do not tighten more than 1/4 turn at a time and do not tighten to the point of crushing the pitch arm.



Note: Existing bolt, Belleville washers and nut are installed in a specific orientation for tensioning. Removal of these components or modification of the orientation will cause adverse effects on the pitch arm functionality.

Retracting the Awning

4. Verify the unit's battery is fully charged and connected to the electrical system.
5. Press and hold "RETRACT" (Fig. 1B) until the awning is retracted completely.

Note: The awning can be retracted without resetting the pitch.

Maintenance

Fabric Care

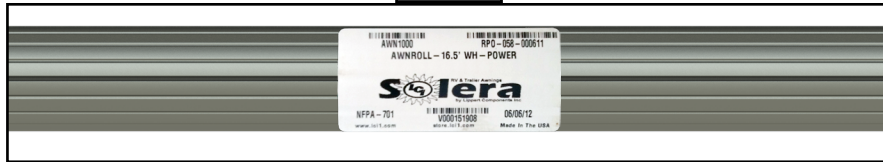
If the awning is retracted while wet, extend the awning and let it dry as soon as conditions allow before retracting. This will help prevent the formation of mildew and add greatly to the life of the awning. Mildew does not form on the fabric itself, but on the accumulated dust, dirt and grime.

Note: Periodically clean vinyl or woven acrylic fabric using a mixture of 1/4 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.

Variant Code Information

Solera® awnings have a sticker located on the roll tube with a variant code that is specific to that awning assembly (Fig. 7). The sticker on newer units will be located near the motor head on the roll tube. There will also be a sticker on the awning fabric. The variant code will determine which variation of the product is being used. When ordering replacement parts, it is imperative to use the variant code to receive the most compatible part.

Fig. 7



Awning Manual Retract Procedure

Resources Required

- 2 or 3 People
- Cordless or Electric Drill or Screw Gun
- Appropriate Drive Bits
- Razor Knife
- Zip Ties
- Ladders

Procedure #1 (Preferred)

1. Push both support arm assemblies closed until they are approximately one foot from fully retracted. Secure both support arm assemblies by securing a zip tie around the outer arm and around the pin on the top of the mount arm where the mount arm and inner arm connect (Fig. 8).
2. Remove the #8 wax screw that secures the end cap to the drive head shaft.
3. Pull the roll tube and end cap off of the drive head shaft.

⚠ CAUTION

Make sure to adequately support the roll tube during this process. Failure to support the roll tube may result in personal injury or property damage.

4. Roll the fabric up around the roll tube by turning the roll tube by hand.
Note: Roll the fabric as tight to the unit as possible while leaving enough slack in the fabric to be able to slide the drive head back onto the end cap.
5. Slide drive head shaft into end cap and reinstall the #8 wax screw to secure.
6. Tighten zip ties around support arms until the support arms are as tight against the unit as possible.

⚠ CAUTION

Ensure the awning assembly is secure against the side of the unit prior to travel. Failure to do so may result in personal injury or property damage.

Procedure #2

1. Push both support arm assemblies closed until they are approximately one foot from fully retracted. Secure both support arm assemblies by securing a zip tie around the outer arm and around the pin on the top of the mount arm where the mount arm and inner arm connect (Fig. 8).
2. Remove the #6 x 1/2" hex head screw at each end of the fabric, where it is secured to the awning rail.
3. Remove the drip cap at one end of the awning rail (if equipped).
4. Remove the #8 wax screws that secure the end caps to the drive and idler head shafts.
5. With one person at each end of the awning and one in the middle to support the roll tube, slide the roll tube and end cap assembly off the shaft from each head assembly.
6. Slide the fabric down the awning rail to the desired end to remove it from the unit.
7. Roll the fabric around the roll tube and store securely inside the unit for travel.
8. Tighten zip ties around the support arms until the support arms are as tight against the unit as possible.

⚠ CAUTION

Ensure the awning assembly is secure against the side of the unit prior to travel. Failure to do so may result in personal injury or property damage.

Procedure #3

Note: Performing this procedure will require the replacement of the fabric in addition to any other components that may need to be repaired or replaced.

1. Push both support arm assemblies closed until they are approximately one foot from fully retracted. Secure both support arm assemblies by securing a zip tie around the outer arm and around the pin on the top of the mount arm where the mount arm and inner arm connect (Fig. 8).
2. Cut the awning fabric along the roll tube and the awning rail, to remove from the awning assembly.
3. Tighten zip ties around support arms, until support arms are as tight against the unit as possible.

⚠ CAUTION

Ensure the awning assembly is secure against the side of the unit prior to travel. Failure to do so may result in personal injury or property damage.

Fig. 8



Notes

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



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