



**SOLERA® HYBRID 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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## System Information

The Solera® Hybrid Awning extends and retracts with the easy-to-use hook-and-crank tool. Simply insert the hook into the drive head and turn clockwise to extend the awning and counterclockwise to retract the awning. The Solera® Hybrid Awning features an internal gear box that allows the awning to stop at any point during extension or retraction. Additionally, the pitch arm allows for rain dump and adjustable pitch features, and there is no rafter arm to lock in place. The pitch arm also provides added stability — the arms don't need to be locked in place like manual awnings.

### 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.**

## Operation

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

### Extending the Awning

1. Locate the crank handle for the awning.
2. Insert the hook end of the crank handle into the eye bolt on the drive head (Fig. 1).
3. Turn the crank in a clockwise direction and fully extend the awning (Fig. 2).

**Note:** Keeping the handle as parallel to the support arm assembly as possible makes it easier to turn.

**Note:** Extension is considered complete when the fabric is completely unrolled, the valance is hanging down from the roll tube and a section of the roll tube is exposed (Fig. 3).

### ⚠ CAUTION

**Tying the roll tube down 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.**

Fig. 1

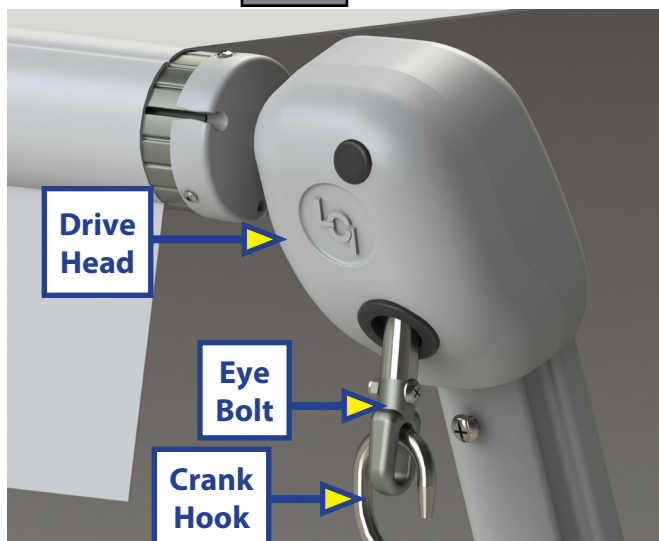


Fig. 2

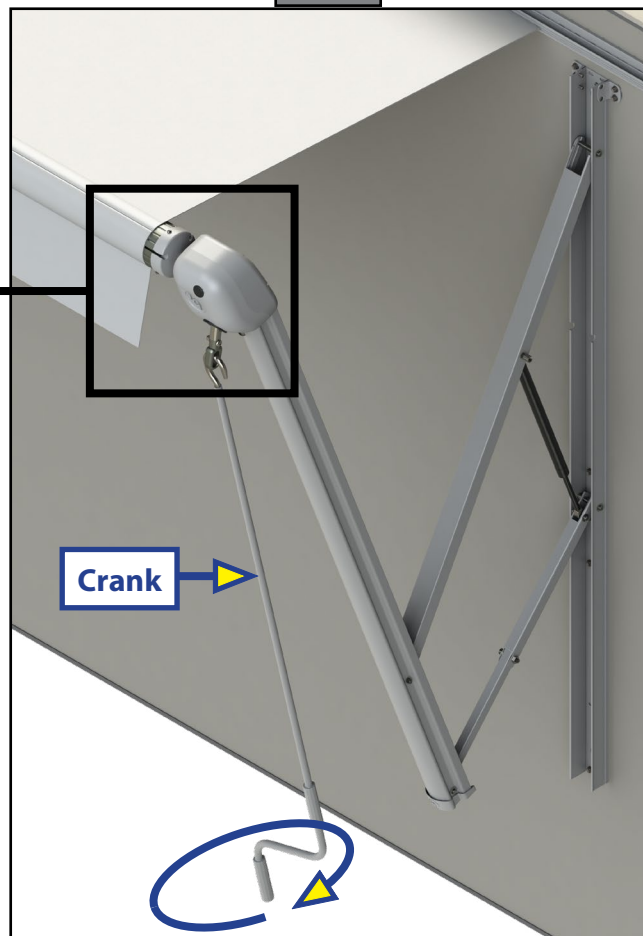
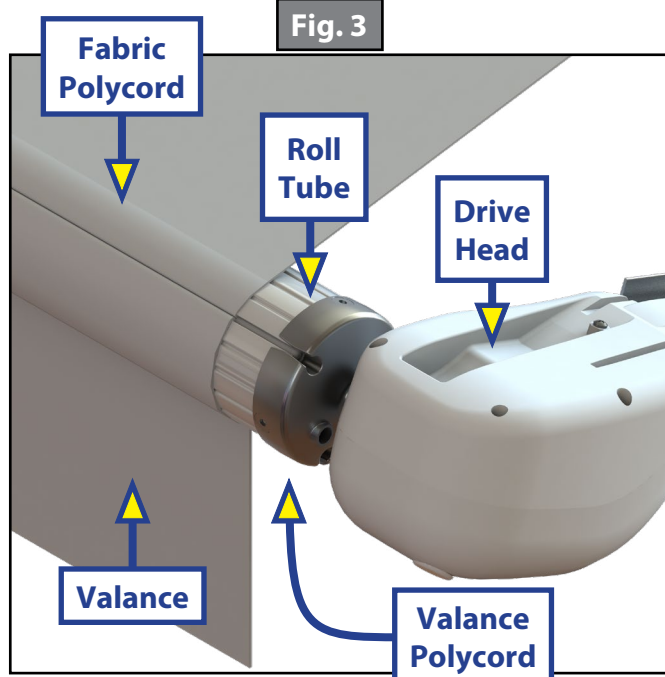


Fig. 3



## Retracting the Awning

**Note:** The awning can be retracted without resetting the pitch (see Adjusting Pitch).

4. Locate the crank handle for the awning.
5. Insert the hook end of the crank handle into the eye bolt on the drive head (Fig. 4).
6. Turn the crank handle in a counterclockwise direction until the awning is fully retracted (Fig. 5).

**Note:** Keeping the handle as parallel to the support arm assembly as possible makes it easier to turn.

Fig. 4

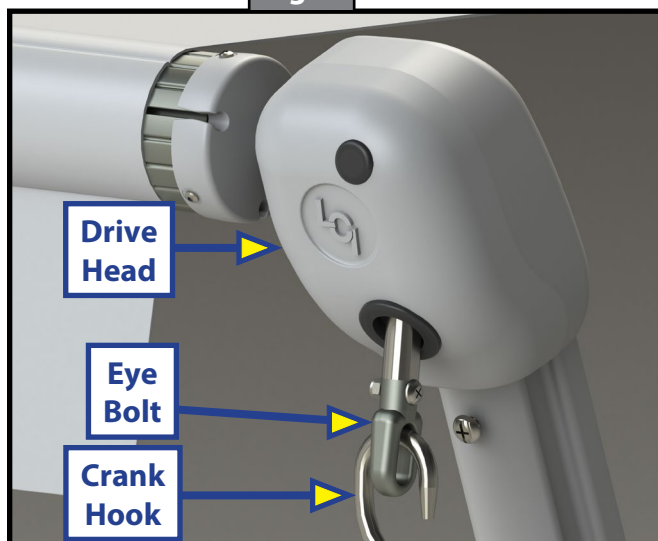
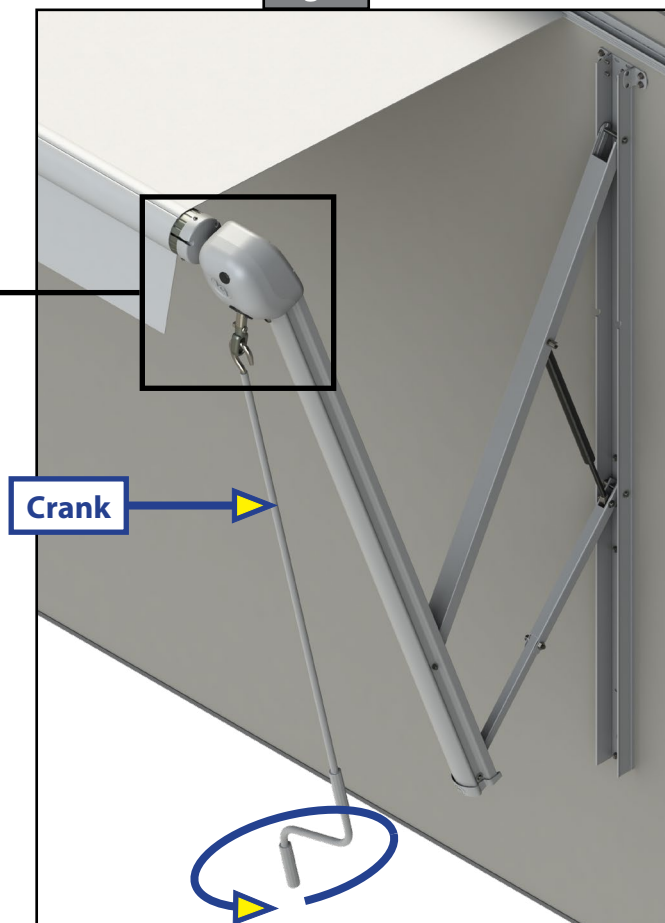


Fig. 5



## Adjusting Pitch

**Note:** The awning will pitch itself to purge the pooling of excess water and may dump a significant amount of water without notice.

7. Pitch can be set by adjusting the pitch arm to tip one side of the awning to allow water runoff.
8. Extend the awning to the fully open position.
9. Choose the side of the awning for optimum shade or convenient water runoff. Pull downward on the joint of the pitch arm until desired pitch is set (Fig. 6). Belleville washers and bolt (Fig. 7A) allow for the joint to remain in the position set by the operator.

**Note:** Do not push the joint of the pitch arm up past the point where the two sections are in a straight line. This will put tension on the gas strut, which can cause the strut to break.

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

**Note:** If the pitch arm does not hold position, it can be tightened by adjusting the bolt (Fig. 7A) in the center of the joint.

Fig. 6

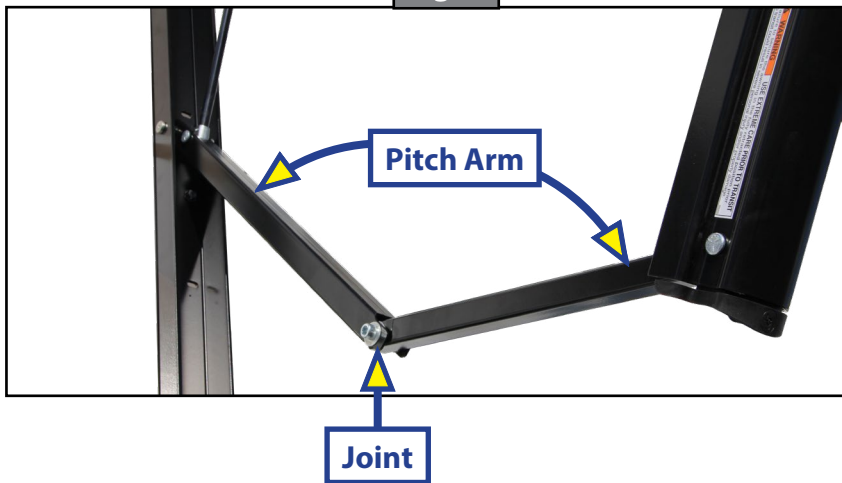
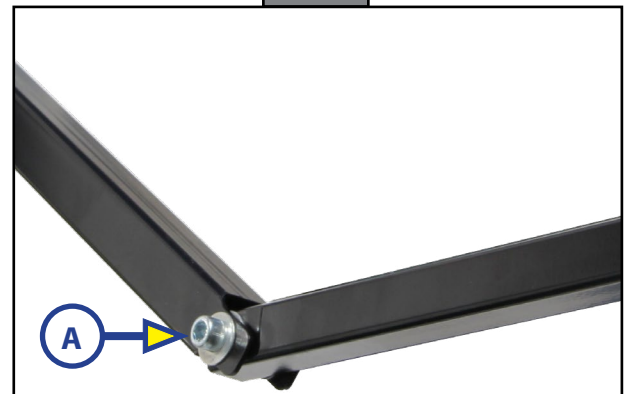


Fig. 7



| Solera Hybrid Awning Basic Troubleshooting Chart     |                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| What Is Happening?                                   | What Should Be Done?                                                                                                                                                                                                                                                                                                                                                   |
| Awning won't open or close.                          | If optional travel locks are installed, ensure that they have been unlocked.                                                                                                                                                                                                                                                                                           |
| Awning pitch won't stay in the flat position.        | Check for bad gas strut                                                                                                                                                                                                                                                                                                                                                |
|                                                      | 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 3 washers are in the proper location of the pitch arm.                                                                                                                                                                                                                                                                                                   |
|                                                      |                                                                                                                                                                                                                                                                                                                                                                        |
| Awning doesn't close all the way.                    | The awning is considered completely closed as long as the outer arm is overlapping the mount arm. This overlap can vary.                                                                                                                                                                                                                                               |
|                                                      | Ensure 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. |                                                                                                                                                                                                                                                                                                                                                                        |
|                                                      | Ensure the shaft coming out of the head going to the end cap isn't bent.                                                                                                                                                                                                                                                                                               |
|                                                      | Ensure the mount arms are properly secured to the wall.                                                                                                                                                                                                                                                                                                                |
|                                                      | Ensure no part of the support arm assemblies are bent.                                                                                                                                                                                                                                                                                                                 |
| Awning rolls up backwards.                           | Ensure the wear collar spacers are all properly located in the support arm assemblies.                                                                                                                                                                                                                                                                                 |
|                                                      | The awning fabric should always be above the roll tube. However, if the crank handle is operated past full extension, the awning will roll up backwards. This is not a defect. To correct the fabric orientation, simply operate the crank handle in the retract direction and the awning will then extend to its correct orientation and normal operation can resume. |

## 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.

## Notes

This image shows a full page of blank, lined paper. It features approximately 28 horizontal black lines spaced evenly across the page, typical of notebook paper. The lines are thin and extend from the left edge to the right edge. There are no margins, text, or other markings on the page.



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