SOLERA® CLASSIC AWNING REPLACEMENT FABRIC (AU)

TI-362

AWNINGS

Purpose

This document outlines the steps to replace the awning fabric or LED light fabric on a Solera Classic Awning.

Safety

⚠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.

⚠CAUTION

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

Resources Required

- Two or three people
- Cordless or electric drill or screw gun
- Appropriate drive bits
- Tape
- Non-permanent marker
- Cotter pins
- Cutting tool
- Wire connectors
- Silicone sealant

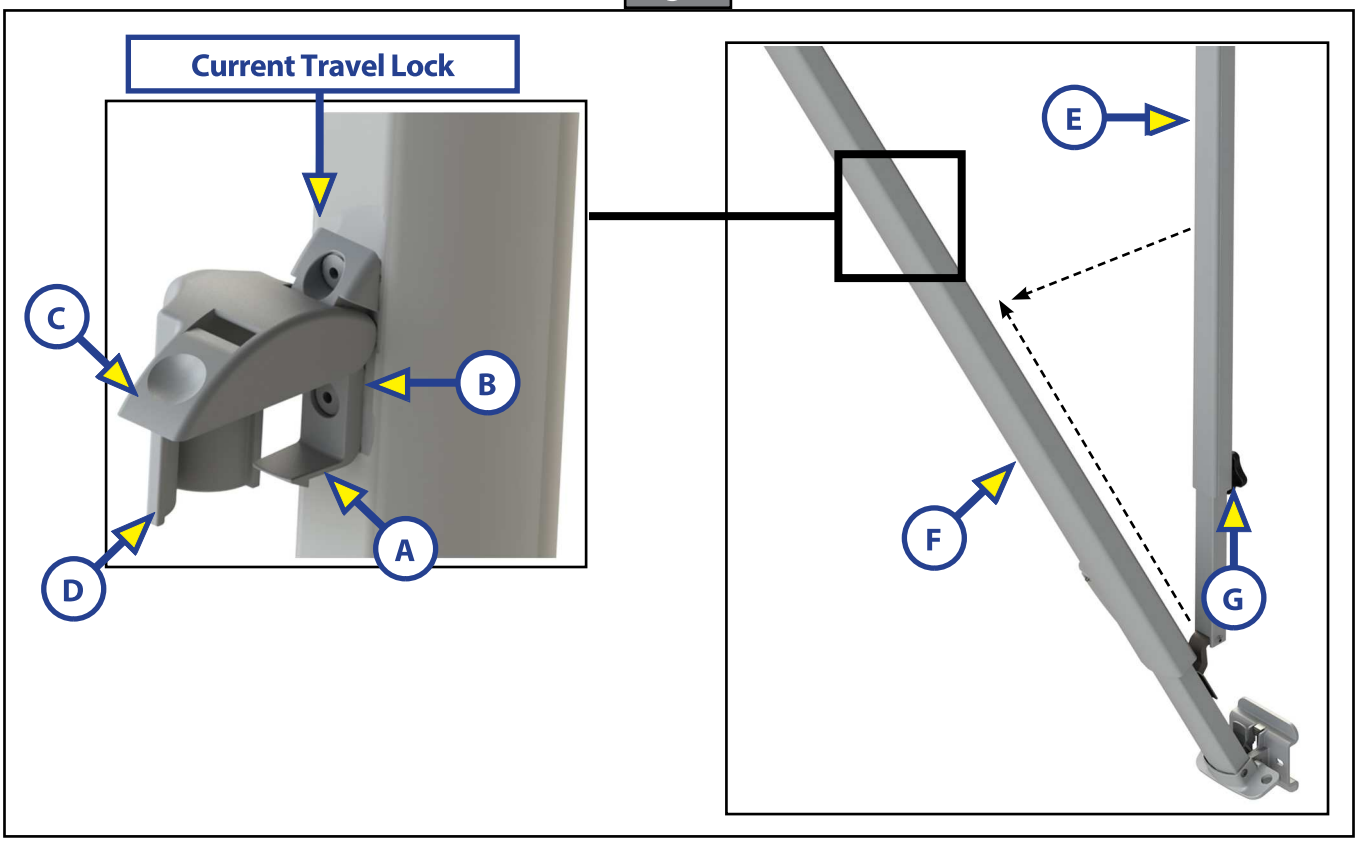
Procedure

Fabric Removal

1. Extend awning.
2. If equipped, remove the drip cap from the idler end.
3. Make sure the black locking knobs (Fig. 1G) on the support arm (Fig. 1E) are loosened.
4. Determine which travel lock you have and release the travel locks accordingly.
   - A. **Current Travel Lock** - Press slightly upward on the tab (Fig.1A) on the travel lock base latch (Fig.1B) to release the travel lock body (Fig.1C). Swing the travel lock body arm (Fig.1D) from behind the support arm (Fig.1E) to release the outer arm (Fig.1F).

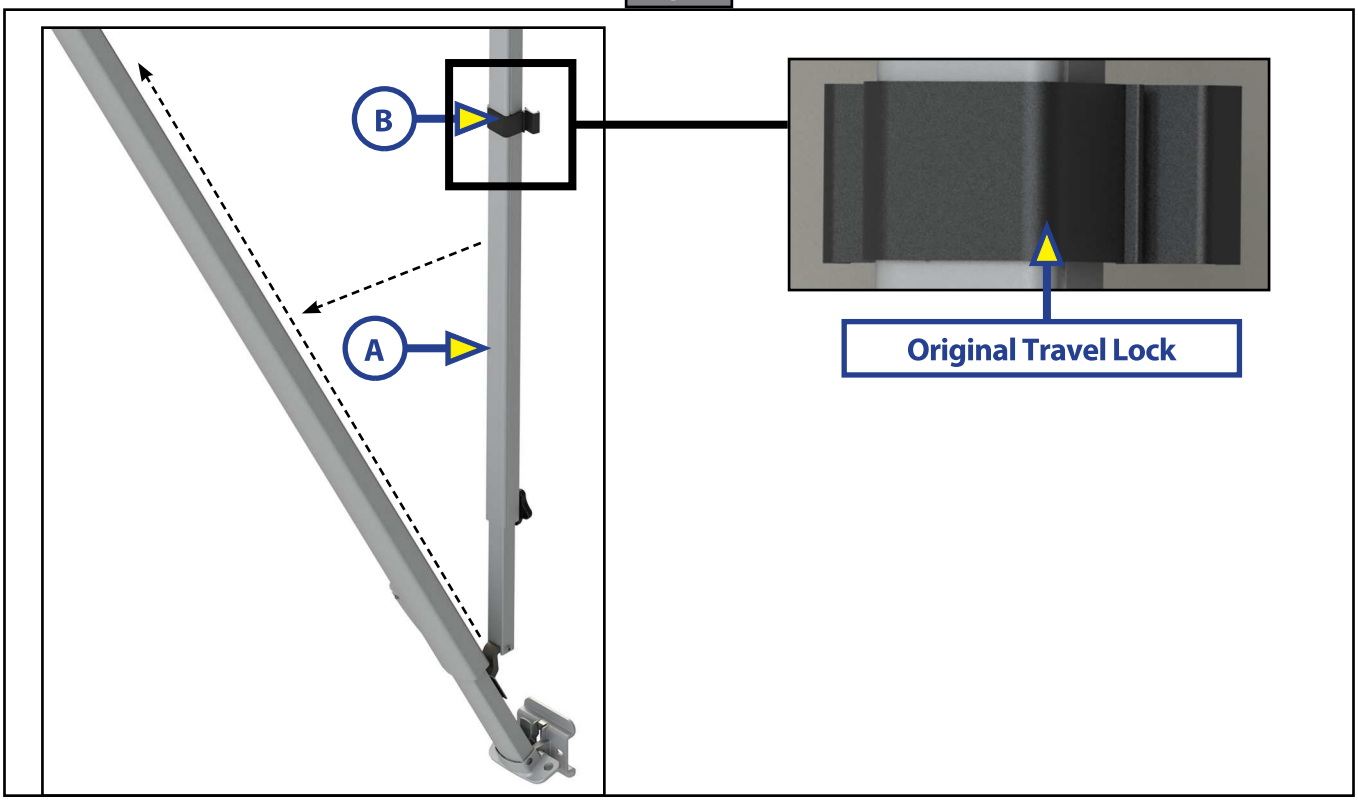
NOTE: Current travel lock is on the LEFT side of each arm when facing the awning.

Fig. 1



B. Original Travel Lock - Release the travel locks (Fig. 2A) on the support arm brackets by reaching behind the support bracket (Fig. 2B) and squeezing the travel lock sides inward, releasing the outer arm (Fig. 2C). Flip the cam lock (Fig. 2A) down to the roll out position.

Fig. 2



5. Flip the cam lock (Fig. 3A) down to the roll out position.
6. As a precaution, tape the cam lock (Fig. 3A) in the roll out position to the end cap (Fig. 3B).
7. Using the pull rod, pull the awning outward one full revolution of the roll tube (approximately 18").
8. Remove the two #6 x 1/2" pan head screws located on the awning rail (Fig. 4A) located on the left and right side of the awning fabric. Set screws aside to reinstall later.

Fig. 3

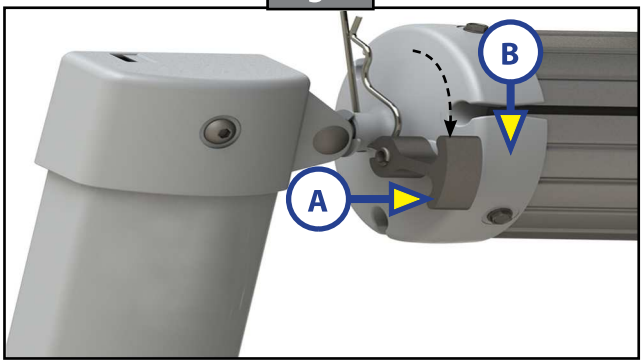
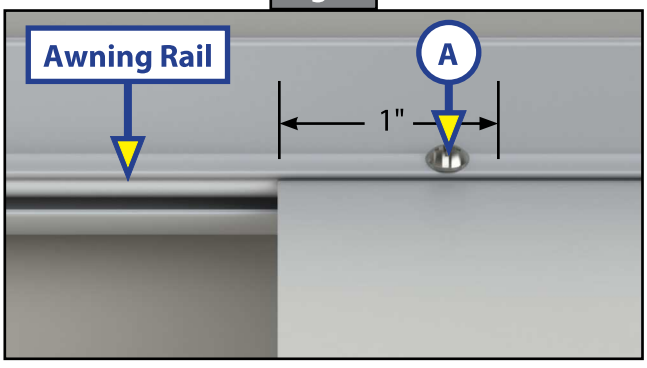


Fig. 4



⚠WARNING

Failure to insert a cotter pin into the drive and idler ends of the roll tube before roll tube removal can result in cause personal injury or property damage.

9. Insert a cotter pin (Fig. 5A) into the drive side and idler side (Fig. 6B) of the roll tube and mark the location of the top of the idler head assembly (Fig. 6A) so that the idler head assembly can be reinstalled in the exact location.

NOTE: Roll tube may need to be turned outward slightly to line up holes for the cotter pin.

Fig. 5

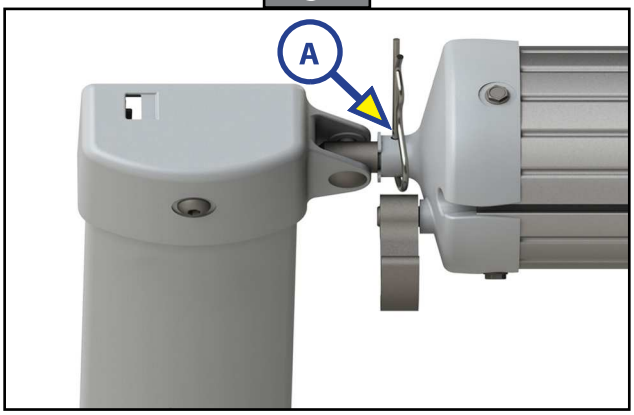
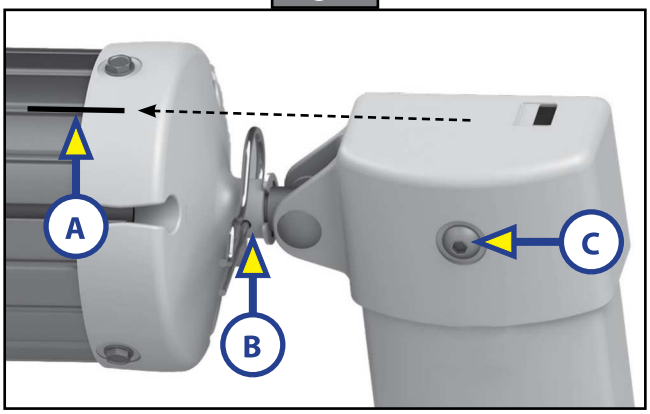


Fig. 6



⚠CAUTION

Failure to support the roll tube, fabric and drive/idler head assemblies during removal may result in personal injury or property damage.

10. If applicable, and the fabric being replaced has wiring for a LED light in the roll tube, locate the wires from the existing LED light fabric near the awning rail, to the wall of the unit.

A. Remove the sealant from the hole and wires.

B. Cut the wires to the power source and light switch where they were previously spliced.

11. Remove both upper mounting brackets (Fig. 7A) from the unit wall by removing the lag screws (Fig. 7B). Carefully allow the support arms (Fig. 7C) to pivot towards the outer arm and re-engage the travel locks (Fig. 1 or Fig. 2). Unlatch the pins at the bottom of the support arm brackets (Fig. 8).

NOTE: The upper mounting brackets will be re-installed in their original position after the fabric is replaced.

Fig. 7

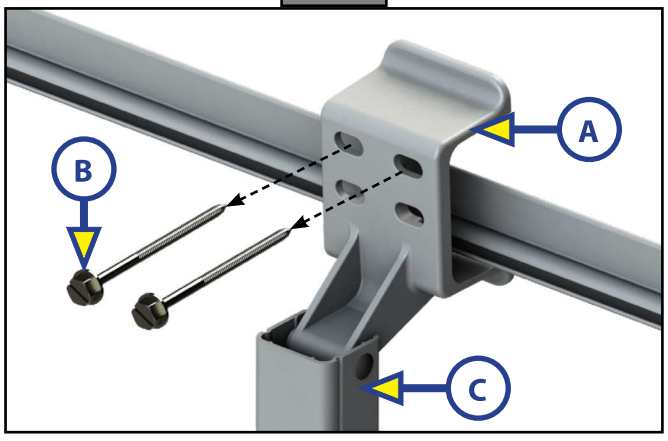
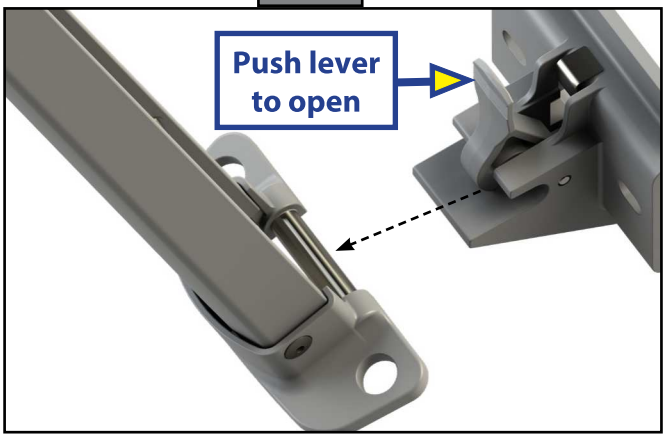


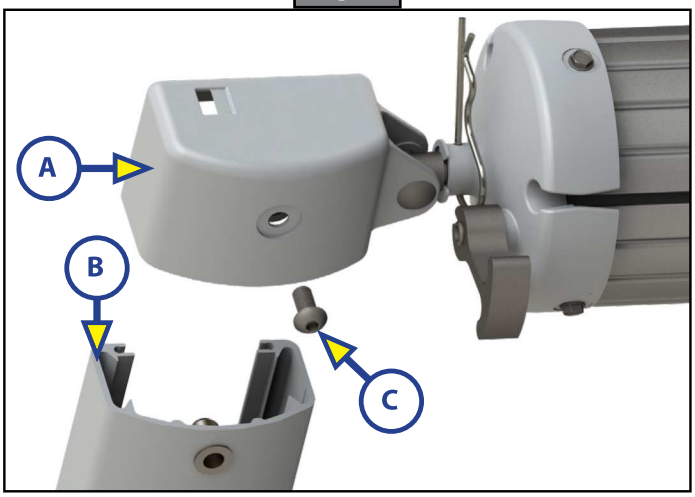
Fig. 8



12. The fabric will be removed from the roll tube at the idler end of the roll tube.
13. Place the removed assembly onto a level area.
14. Remove the drive and idler head assemblies (Fig. 9A) from the support arms (Fig. 9B) by removing the screws (Fig. 9C) holding the support arm to the drive and idler heads on the awning roll tube. Set screws aside to reinstall later.

NOTE: The idler head assembly is still under tension. Hold the idler head assembly securely while another person securely holds the drive head and roll tube.

Fig. 9



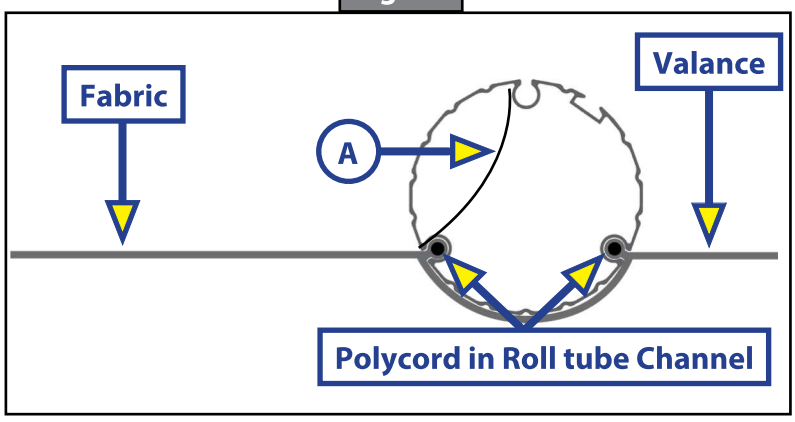
NOTE: Awning roll tubes less than 6' in length typically do not have a spring on the idler side and will therefore not be under tension. However, it is always safest to assume that tension is present.

15. Continue to maintain a secure hold while removing the idler head cotter pin.
16. While one person holds the roll tube, have another person slowly rotate the idler head assembly clockwise to release tension. Take note how many turns are made, as this will be necessary information when reinstalling the idler head assembly later.
17. Remove the three screws holding the idler head assembly end cap on the roll tube, pull the idler head and spring assembly out of the roll tube approximately 10-12".

NOTE: If applicable, using non-permanent marker, mark the location of the filon that is inside the roll tube.

18. If applicable, remove filon (Fig. 10A) from the roll tube, and unplug LED light harness. Set filon aside to install later.

Fig. 10



19. Completely remove idler head and spring assembly from roll tube.
20. Using non-permanent marker, mark the location of the polycords on the roll tube.
21. Lay fabric flat on a smooth surface.
22. Remove the two screws holding the fabric in place on the roll tube.

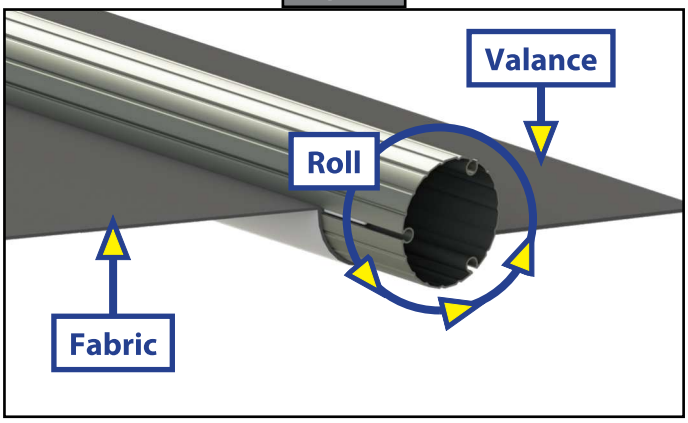
NOTE: If applicable, make sure the LED light wire harness located inside the roll tube from the LED light strip to the fabric is disconnected and pulled out of the roll tube.

23. To remove the fabric, gently pull the roll tube from one end while another person holds the fabric in place.

Installing Replacement Fabric

1. Unroll the replacement fabric and place it flat on a smooth surface so the polycords are parallel with the roll tube.
2. On a clean, level surface free of debris that could scratch or damage the roll tube, gently slide the roll tube onto the polycords of the fabric (Fig. 10).
3. Center the fabric on the roll tube.
4. Apply the screws that were holding the polycords in place on the roll tube.
5. If applicable, connect the new awning fabric wire harness to the LED light harness in the roll tube.
6. Roll the fabric onto the roll tube (Fig. 11). Make sure the fabric stays snug and flat to the roll tube with the printed side facing outward.

Fig. 11



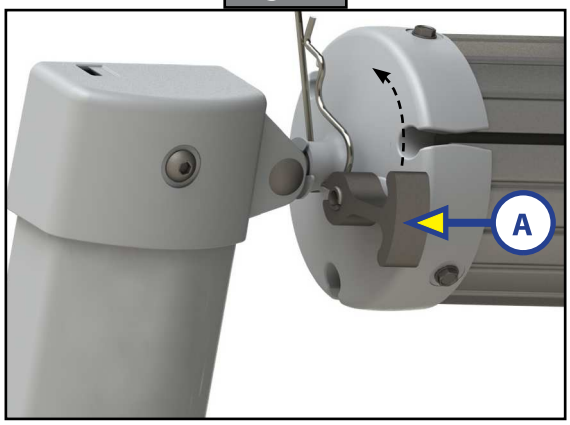
7. Insert the idler head and spring assembly (if applicable) into the roll tube, leaving approximately 10-12" of the spring exposed.
8. If applicable, install the filon in the roll tube that was previously removed.
9. Using the three screws previously removed from the end caps, finish installing the idler head and spring assembly and attach the idler head assembly to the roll tube, making sure the orientation is the same.
10. Rotate the idler head assembly counterclockwise the number of turns noted when tension was relieved previously.

NOTE: Make sure the idler head assembly is installed in the previously-marked position, aligning the mark on the end cap with the mark on the roll tube (Fig. 6A). Make sure the screw hole in the idler head (Fig. 6C) is facing the same orientation as the screw hole in the drive head.

11. Insert a cotter pin into the end cap on the idler head assembly.

12. Install the drive and idler head assemblies to the top of the support arms and secure with the screws.
13. Unroll the fabric from the roll tube no more than one full revolution (approximately 18") to allow the fabric polycords to slide into the awning rail.
14. Working with one or two other persons, install the roll tube and support arm assemblies to the awning rail by walking the support arms into place on the unit while sliding the fabric polycords into the awning rail. Make sure the awning will unroll with the printed side of the fabric up.
15. Set the pins at the bottom of the support arms into the lower brackets on the wall of the unit and secure the latches. (Fig. 8).
16. Release the travel locks, and reinstall the previously-removed support arm upper mounting brackets to the unit wall (Fig. 7) in their original positions.
17. Remove cotter pins from the awning heads.
18. Remove the tape from the cam lock and roll tube and make sure the cam lock (Fig. 12A) is up in the roll in position.
19. Retract and extend the awning several times to ensure that the fabric is square on the roll tube.

Fig. 12



⚠WARNING

Use care when removing the cotter pins. The cotter pins are holding the pre-wound tension of the spring. Failure to securely hold the roll tube may allow the roll tube to rapidly roll up and cause personal injury or damage.

20. If applicable, restore power to the LED light fabric by connecting the new wires from the fabric on the idler side to the wires at the wall of the unit.

NOTE: The red wire needs to be connected to the power wire in the unit and the black wire connected to the switch.

21. Use silicone sealant to seal the wires going into the wall of the unit.
22. Secure the fabric in the awning rail 1" inside the edge of the fabric on both ends using a #6 x 1/2" pan head screw. Install the screw (Fig. 4A) down through the awning rail and into the fabric and polycord.
23. If equipped and previously removed, reinstall the drip cap.