

AWNINGS

Purpose

This document outlines the replacement procedures of Serenity lights on the Edge™ Awning product offerings.

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 document 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.

Resources Required

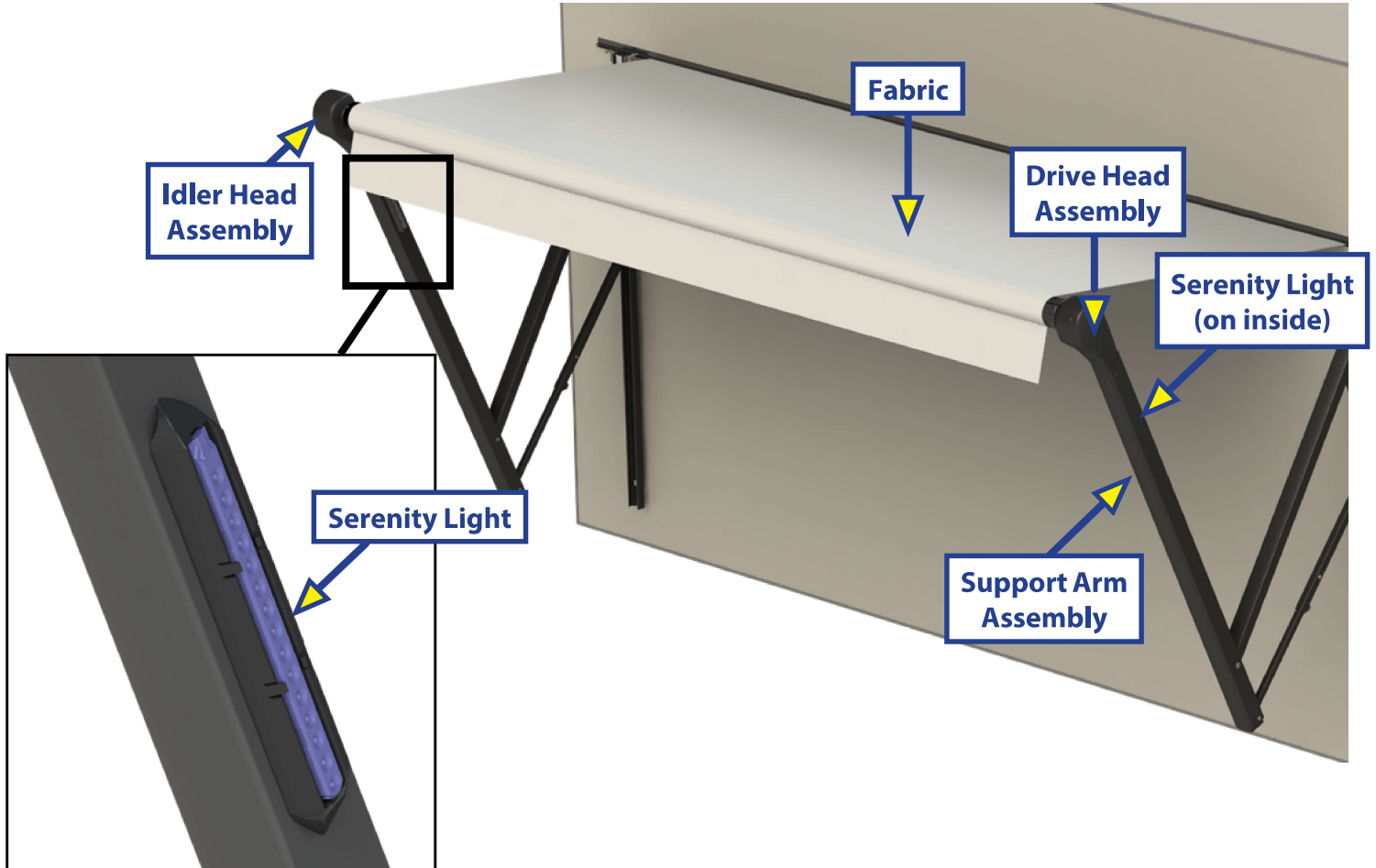
- Step ladder
- Putty stick
- Non-permanent marking tool (such as a marker or pencil)

AWNINGS

Preparation

The Serenity lights are a pre-installed option for the Edge Awning and select Solera Awning offerings. Installation requires the LED wire hemmed into the fabric near the awning rail against the unit's wall.

The original Serenity light came with a harness to attach the light to the unit's power source. The product was modified and the current Serenity light has the wires directly attached. The unit may have either depending on the date of manufacture.

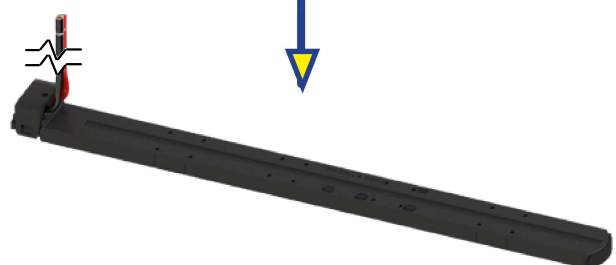


NOTE: The original design is powered via a removable harness connection. Current production design is powered by a permanent wire lead.

Original Serenity LED Light Component

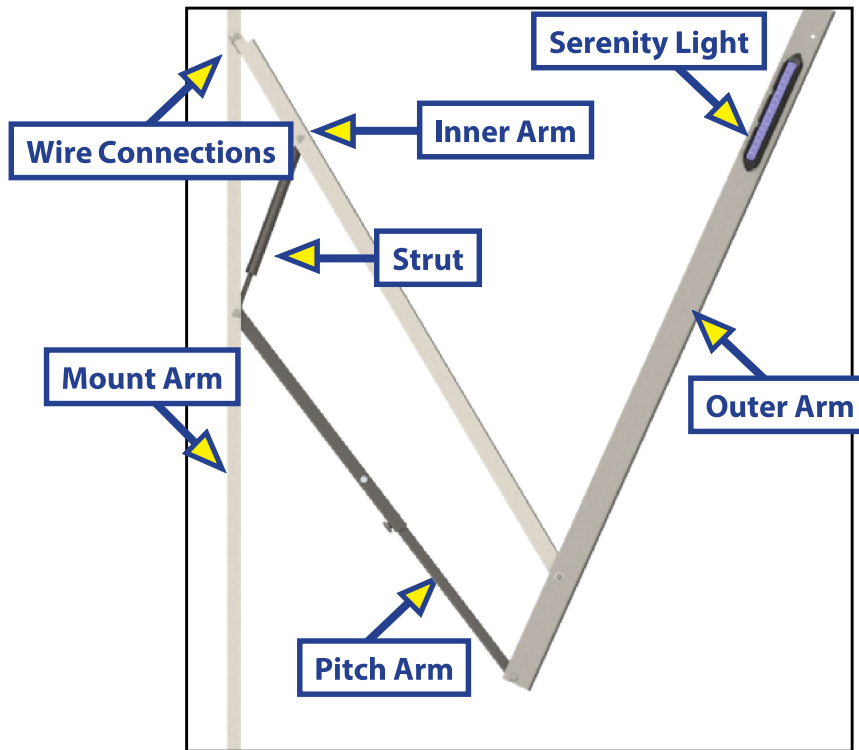


Current Serenity LED Light Component



AWNINGS

Procedures for Drive Arm



Removal

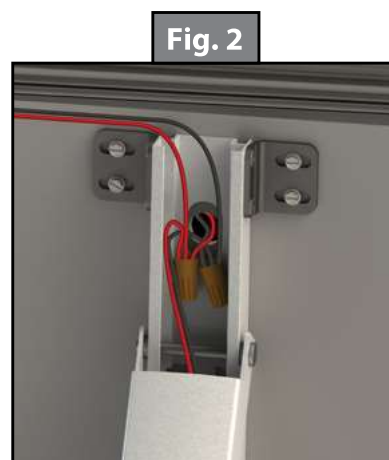
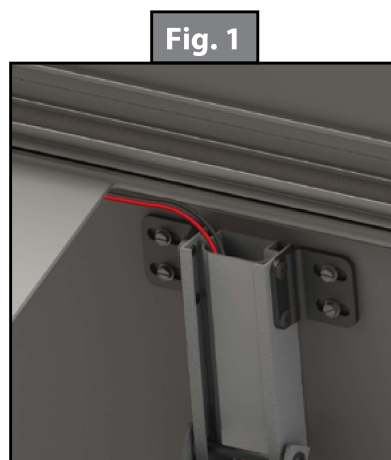
1. Extend the awning to access the Serenity light.
2. Turn off the light switch in the unit.

⚠ WARNING

Make sure the light switch inside the unit is in the off position to prevent electrical damage and/or personal harm.

NOTE: To reach wire connections and to access the Serenity light connection on the support arm assembly, a step ladder may be necessary.

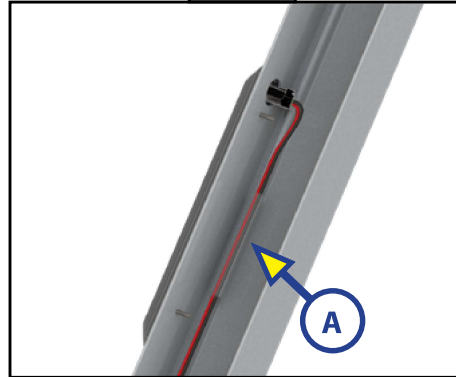
3. Locate the wires at the unit wall (Fig. 1) and disconnect the Serenity light wires at the connection point using best practices (Fig. 2).



AWNINGS

4. Remove the wiring from the unit through the support arm assembly back to the Serenity light (Fig. 3); make note of existing routing.

Fig. 3



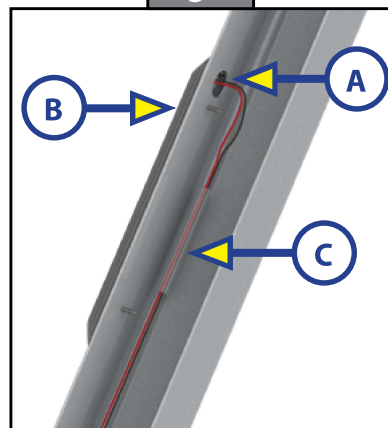
NOTE: Set aside the plastic tube wire covers (Fig. 3A) for the replacement procedure.

NOTE: It may be helpful to use a non-permanent marking tool (such as a marker or pencil) to indicate where plastic tubes should be placed when re-installing.

NOTE: Original Serenity light is shown in Figure 3.

5. With the wire pulled up to the light, remove the LED light component from the plastic bezel.
- A. **Original Serenity Light** - If replacing the original Serenity light, the wires are connected to the light by a harness. Remove the wires at the harness and then remove the light from the bezel with a putty stick.
 - B. **Current Serenity Light** - If replacing the current Serenity light, the wires are ATTACHED to the light. Remove the light from the bezel with a putty stick and thread the wire out behind the light.

Fig. 4



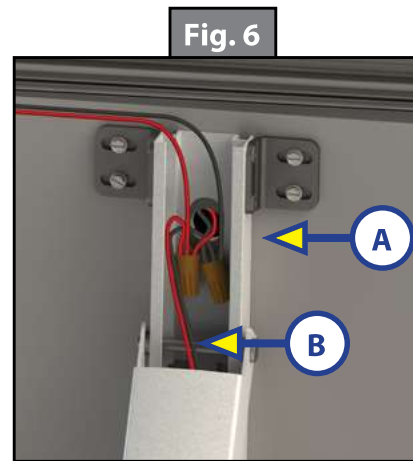
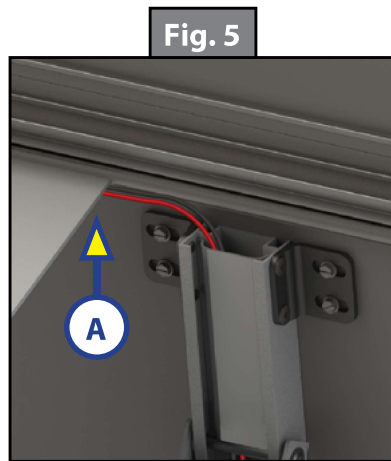
Replacement

1. The new Serenity light will have a connected wire harness. Thread the wire harness through the bezel and the opening in the outer arm where the light was mounted (Fig. 4A).

AWNINGS

2. Install the new LED light into the bezel (Fig. 4B).
3. Run the wire through the plastic tube wire covers (Fig. 4C).
4. Route the wire down the outer arm. The plastic tube wire covers will fit into the channel in the arm to secure the wire in place as it runs from the light, down the outer arm, up the inner arm, and to the wall.

NOTE: Be very mindful to give the wire some slack while running the wiring down the outer arm and up the inner arm to the wall to make sure that the wiring will not pinch or shear as the awning extends and retracts.



NOTE: If the power wires are connected at the bottom of mount arm the wire lead will need to run down the mount arm and over the pin where the pitch arm and gas strut meet.

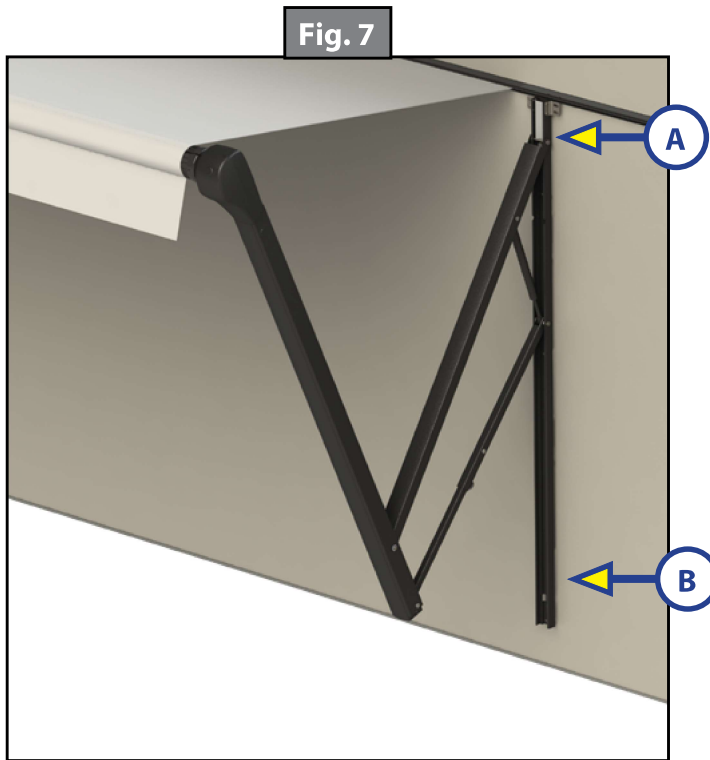
5. Using best electrical practices connect the Serenity light lead wire at the triple connection point for the power wire (Fig. 6A), wire routed through the fabric (Fig. 5A) to the idler side and the Serenity Light in the drive arm (Fig. 6B).

NOTE: Make sure the black wire is connected to a ground and the red wire is connected to a positive 12V DC power source.

AWNINGS

Notes For Drive Side Replacement

Typically, removing and reconnecting the wiring needs for the Serenity lights to the unit's power will occur at the top (Fig. 7A) of the drive mount arm as that is where the power wiring will be coming through the unit wall. However, sometimes the power will be coming from the bottom (Fig. 7B) of the drive mount arm. Before starting procedure, take note where the power wiring is coming; the top or the bottom of the Drive mount arm.



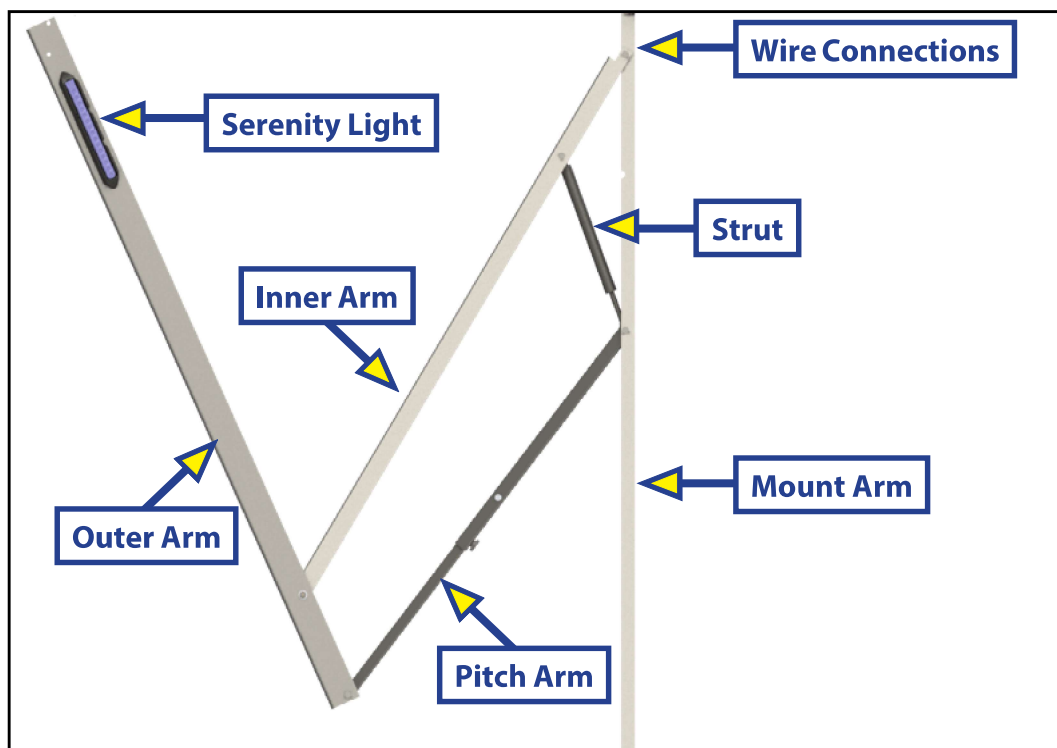
NOTE: If power wiring is coming from the TOP of the Drive arm mount, this procedure is NOT necessary.

NOTE: If power wiring IS coming from the BOTTOM of the Drive arm mount, these steps ARE NECESSARY.

1. Extend the awning out.
2. Using the replacement light, route the wiring from the Serenity placement on the outer arm, down the elbow of outer and inner arm, up the inner arm to the wall, and then down from the top to power wiring at the bottom of the mount arm (Fig. 7B). This gives a loose measurement of how much wire and wire slack is needed to successfully route the harness.
3. Set aside replacement light making note of needed wiring length.
4. Retract the awning.
5. Depending on unit and skill level of person(s) completing procedure, either:
 - A. Disconnect existing light wiring and thread wiring out the top of mount arm, or
 - B. Remove mount arm entirely and disconnect Serenity light wiring from wall.
6. Once disconnected from power, then the original light can be removed and the current Serenity light can be installed.
 - A. If threading method was done, follow other procedures and thread the replacement light down to bottom wiring.
 - B. If arm was removed, reinstall arm with replacement light harness behind the arm and running to the top. Once arm is installed and wire is accessible, follow procedure to remove the original Serenity light and install the replacement light.

AWNINGS

Procedures for Idler Arm



Removal

1. Extend the awning to access the Serenity light.

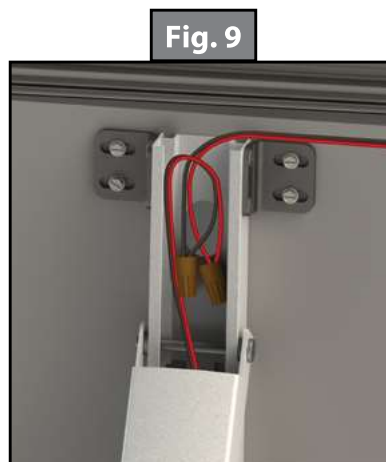
⚠ WARNING

Make sure the light switch inside the unit is in the off position to prevent electrical damage and/or personal harm.

2. Turn off the light switch in the unit.

NOTE: To reach wire connections and to access the Serenity light connection on the support arm assembly, a step ladder may be necessary.

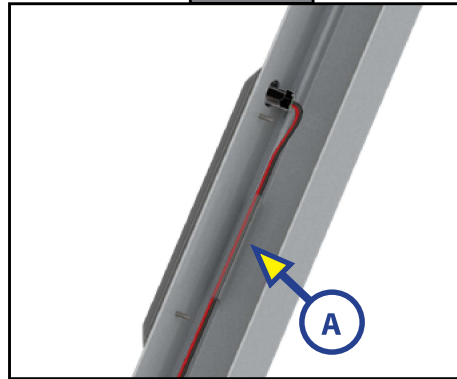
3. Locate the wires at the unit wall (Fig. 8) and disconnect the Serenity light wires at the connection point using best practices (Fig. 9).



AWNINGS

- Remove the wiring from the unit through the support arm assembly back to the Serenity light (Fig. 10); make note of existing routing.

Fig. 10



NOTE: Set aside the plastic tube wire covers (Fig. 10A) for the replacement procedure.

NOTE: It may be helpful to use a non-permanent marking tool (such as a marker or pencil) to indicate where plastic tubes should be placed when re-installing.

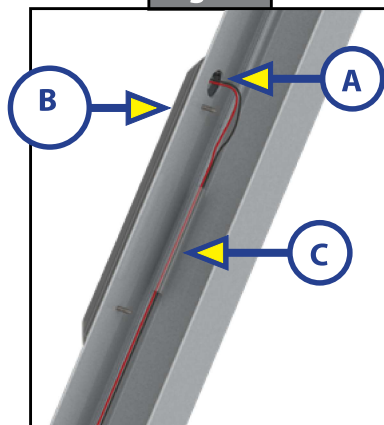
NOTE: Original Serenity light is shown in Figure 10.

- With the wire pulled up to the light, remove the LED light component from the plastic bezel.
 - Original Serenity Light** - If replacing the original Serenity light, the wires are connected to the light by a harness. Remove the harness and then remove the light from the bezel with a putty stick.
 - Current Serenity Light** - If replacing the current Serenity light, the wires are ATTACHED to the light. Remove the light from the bezel with a putty stick and thread the wire out behind the light.

Replacement

- The replacement light will have a connected wire lead. Route the wire lead through the light bezel and the opening in the outer arm where the light was mounted (Fig. 11A).

Fig. 11



- Install the replacement light into the bezel (Fig. 11B).
- Route the wire through the plastic tube wire covers (Fig. 11C).

AWNINGS

4. Route the wire down the outer arm. The plastic wire covers will fit into the channel in the arm to secure the wire in place. The harness runs from the light, down the outer arm, up the inner arm, and into the wall.

NOTE: Give the wire some slack while routing the wiring down the outer arm and up the inner arm to the wall to make sure that the wiring will not pinch or shear, as the awning extends and retracts.

NOTE: If the power wires are connected at the bottom of the mount arm, the wire harness will need to run down the mount arm and over the pin where the pitch arm and gas strut meet.

5. Using best electrical practices connect the Serenity wiring harness at the connection point for the power wire (Fig. 12). The wire is routed through the fabric (Fig. 13) from the idler side to the drive side (Fig. 14).

NOTE: Make sure the black wire is connected to a ground and the red wire is connected to a positive 12V DC power source.

Fig. 12

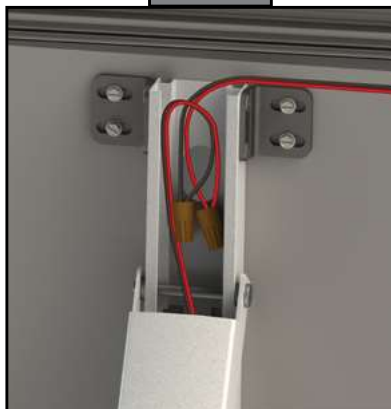


Fig. 13



Fig. 14

