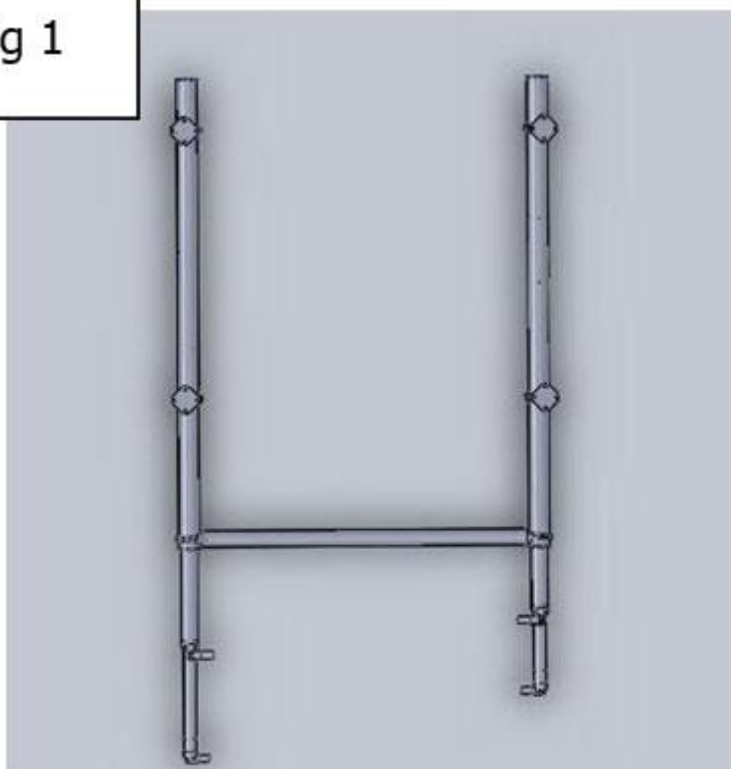


Actuator Electrical Home Position Adjustment

SureShade R8 Shade Controller

Electronically Adjusting the Actuator Alignment
and Resetting the Home Position of the SureShade

Fig 1



In the event the alignment of the SureShade actuators has been compromised (Fig 1), this document will explain how to electronically realign the actuators and reset the shade on our automated sunshade system.



The first step is to correct the alignment of the actuators using electronic features in the controller. The controller can allow independent operation of each actuator by turning on either #5 or #6 positions on the DIP switch shown below.

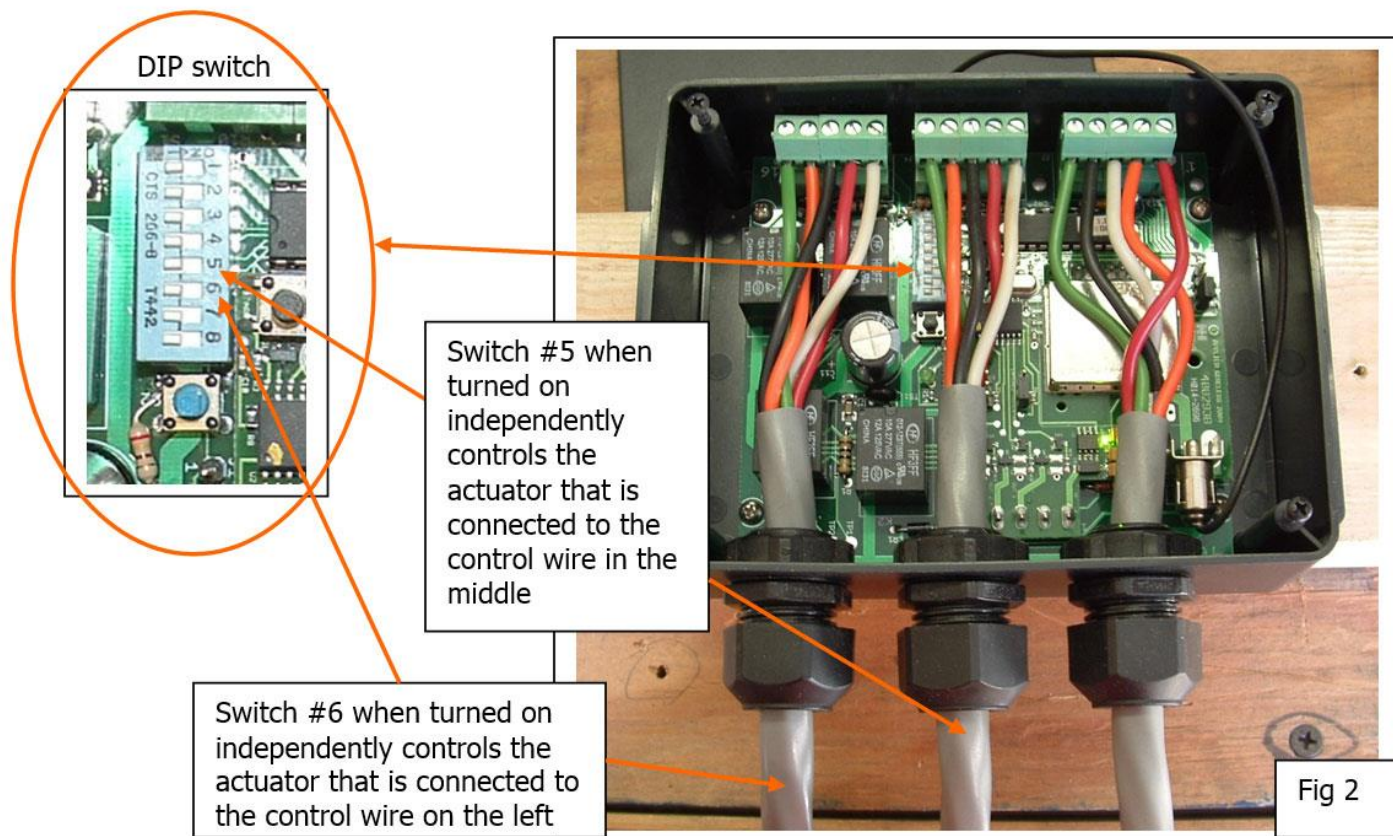
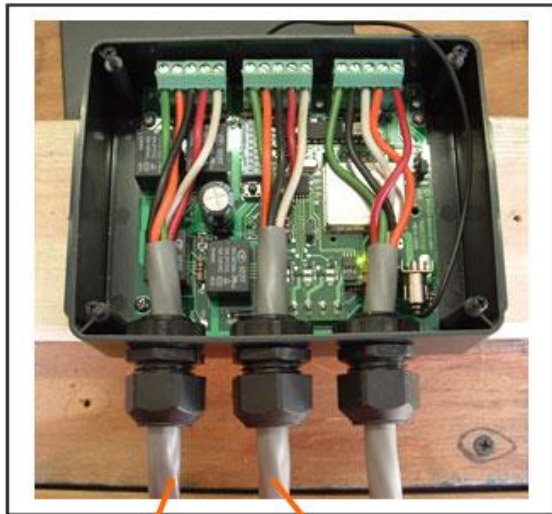


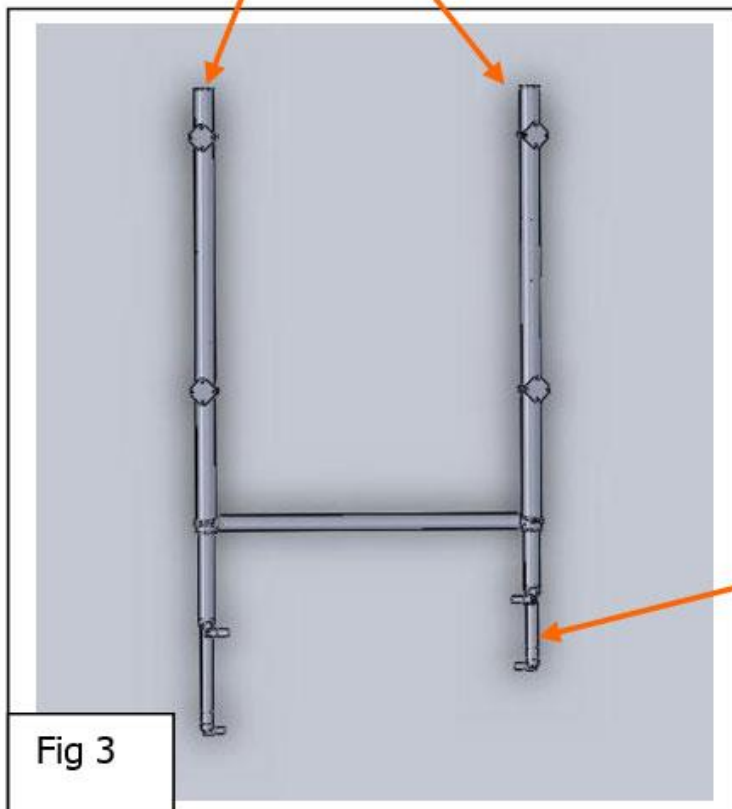
Fig 2



Using the independent actuator functionality of the controller we will adjust the one actuator back into alignment and at the same length with the other actuator. For explanation purposes we will work with the actuator that is most retracted (Fig 3 – starboard side when facing aft). Determine which switch needs to be turned on (as described in Fig 2 above) to extend the retracted actuator (starboard) so it's the same length and aligned with the port actuator.



If the middle control cable is connected to the starboard actuator as shown in Fig 3, then turn switch #5 to the ON position and extend the actuator to be in alignment with the port actuator. Then turn switch #5 to the OFF position.



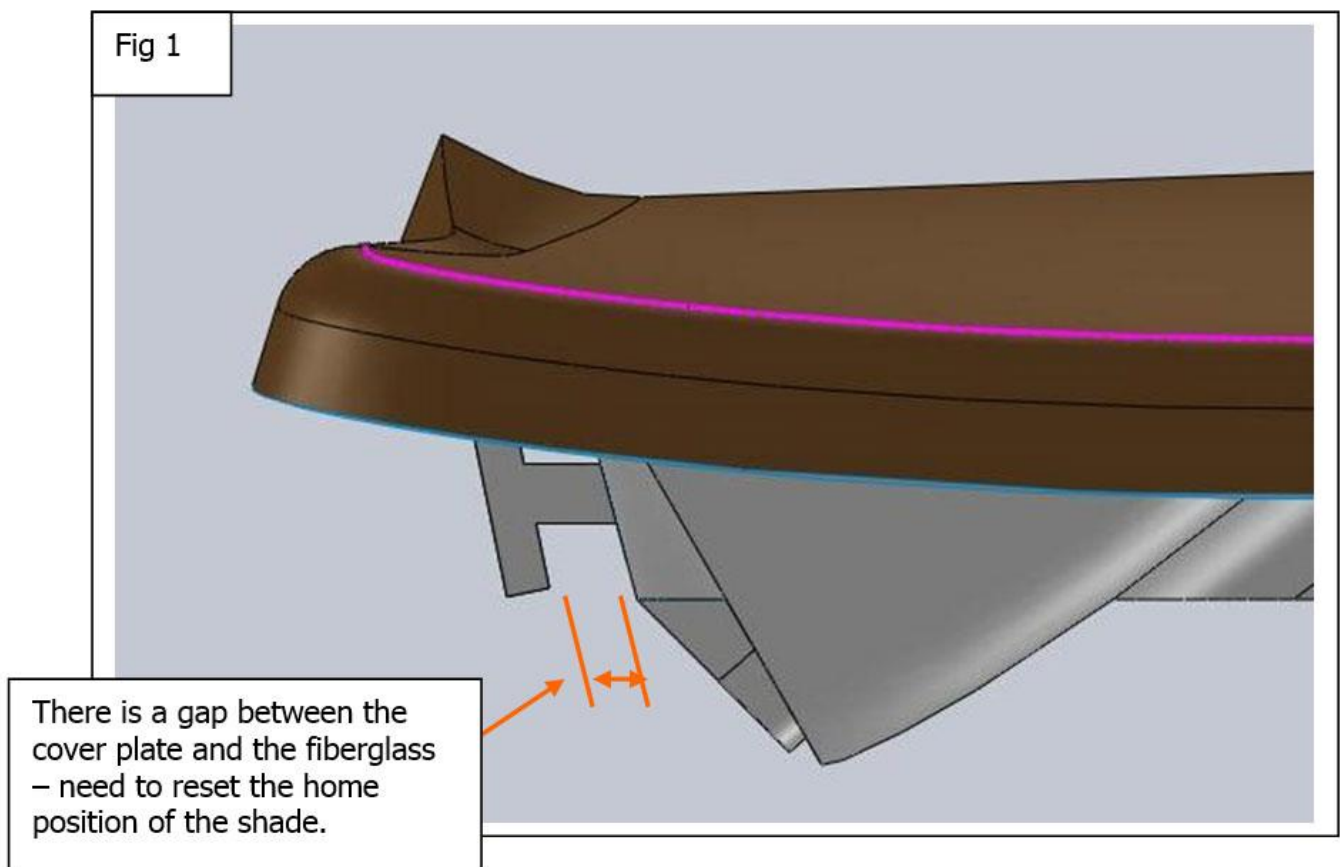
Starboard actuator (when facing aft).



After realigning the actuators so that they are even, we will need to reset the actuators to its fully retracted home position.

Adjusting the Retracted (Home) Position of the SureShade

When the SureShade's retracted (home) position has been compromised leaving a gap (Fig 1) between the cover plate and the fiberglass, the following steps will explain how to electronically adjust the positioning of the shade to reset the retracted (home) position and close the gap. This gap is typically caused when a controller has been either replaced or reset prior to full retraction against the fiberglass.



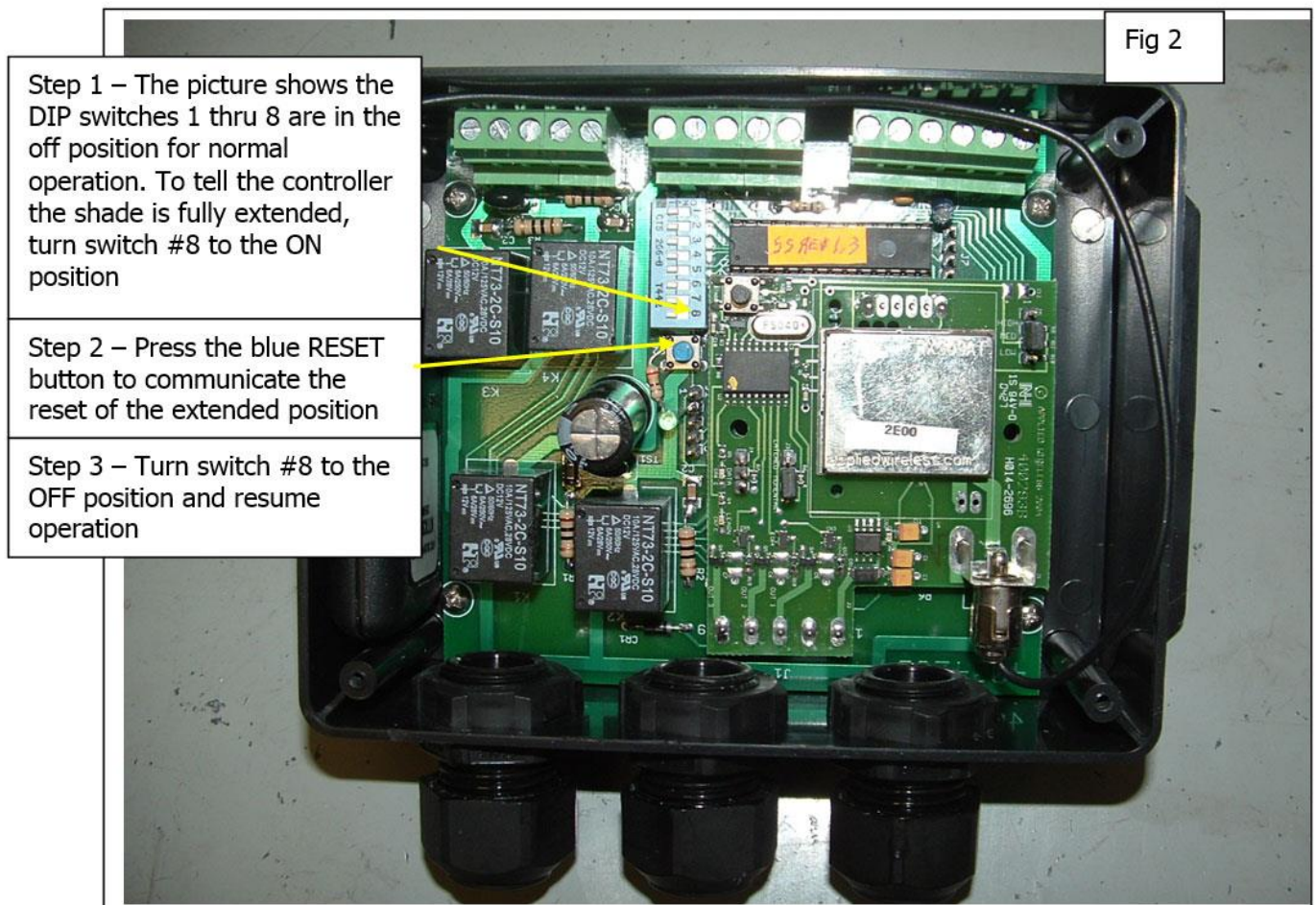
Steps to Electronically Reposition the Shade's Retracted (Home) Position



Because the shade is locked at the incorrect retracted position (GAP POSITION) and will not retract back any further, we will need to “trick” the controller into thinking the shade is actually at its fully extended position. This will then allow the controller to retract the shade back to its correct location against the fiberglass gasket (HOME POSITION).

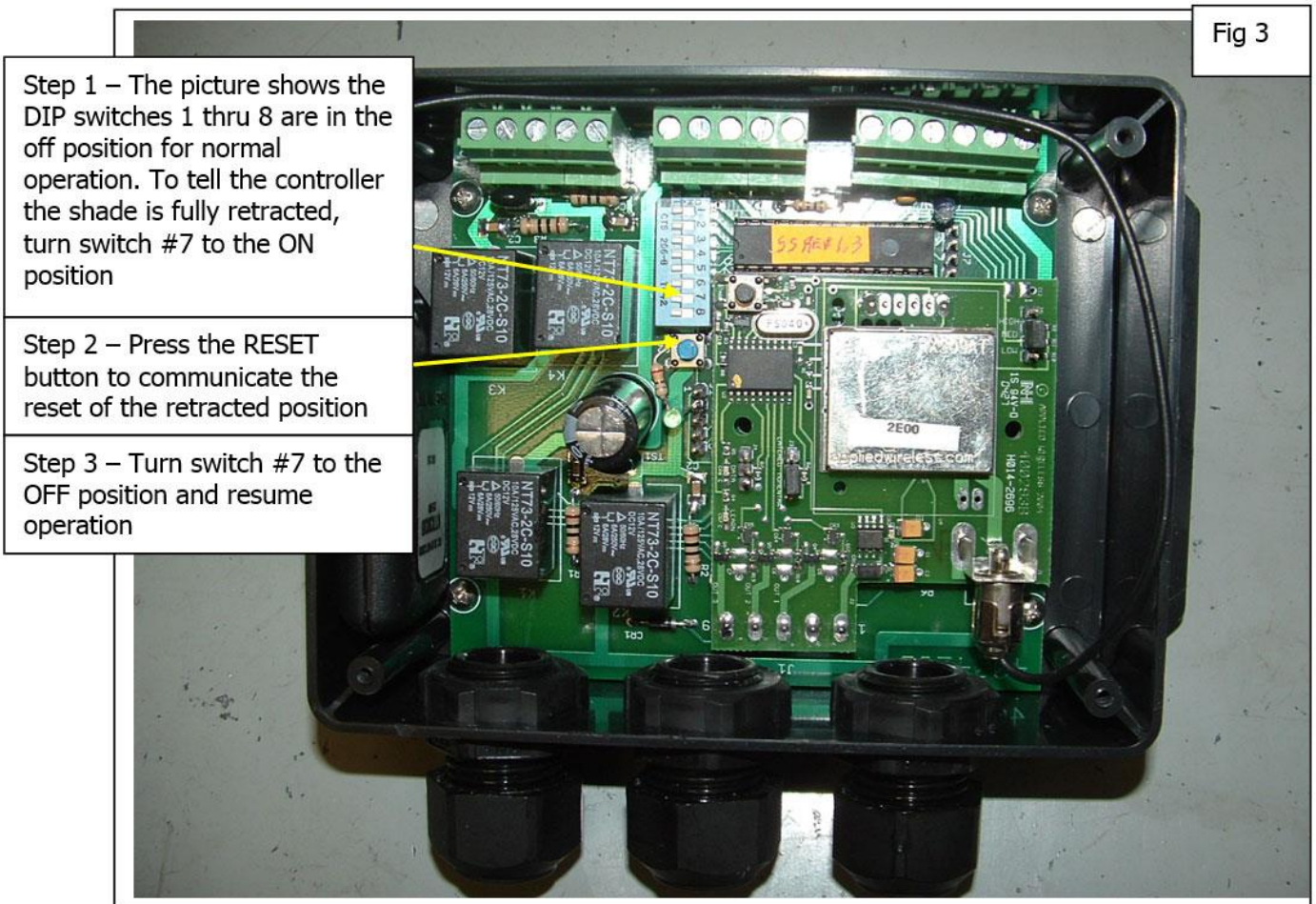
CAUTION – BECAUSE WE ARE “TRICKING” THE SYSTEM AND AT THIS POINT IT WILL THINK IT IS FULLY EXTENDED, THE SHADE WILL WANT TO RETRACT BEYOND THE FIBERGLASS. THEREFORE, EXTRA CARE MUST BE TAKEN WHEN RETRACTING THE SHADE BACK TO ITS CORRECT LOCATION (HOME POSITION) SO THAT IT DOES NOT TRY TO OVERSHOOT THE FIBERGLASS AND BOTTOM OUT.

- 1) To “trick” the controller into thinking that the shade is at its fully extended position, we will reset the controller’s extended position. Refer to the instructions for doing this in Fig 2 below.





- 2) Now, using the toggle switch at the helm, retract the shade slowly until it just touches the fiberglass gasket (AGAIN – USE CAUTION TO NOT OVERRETRACT THE SHADE – THIS WILL CAUSE THE SHADE SYSTEM TO BOTTOM OUT CAUSING DAMAGE TO THE SHADE).
- 3) Once the shade has been relocated to its correct position (HOME POSITION), we will reset the controller's correct HOME POSITION. Refer to the instructions for doing this in Fig 3 below.



- 4) There is no need to reset the extended position once the correct HOME position is reset. Because the home position is now set at the correct position, the system knows exactly how far to extend. Adjustment is now complete.

PLEASE CONTACT SURESHADE AT **877-333-8323**, OR **+1-267-968-7533**
WITH ANY QUESTIONS.