

TROUBLESHOOTING THE SUREPOWER ATF-LEGACY INTELLIGENT CONTROL BOX (ICB)

The SurePower ATF-Legacy Intelligent Control Box (ICB) is designed so that the shade will not operate at any voltage under 10V at start-up of the shade. During operation of the shade, if the voltage drops below 9V, the shade will shut down.

The ICB has an LED indicator on the top of the controller that provides fault codes. These codes are based off of the LED color and the number of blinks it is faulting if the unit is having a technical issue. **DO NOT OPEN THE CONTROLLER.** There is no troubleshooting that can be completed inside the controller. Any tampering with the controller will result in voiding warranty for a replacement.

IF THE SHADE DOES NOT OPERATE

STEP 1

Locate the ICB in the vessel.

STEP 2

Take note of the LED on the lid of the controller.

STEP 3

Compare light sequence with the **SurePower Legacy - LED/ICB Fault List document.**

STEP 4

If the above steps do not resolve the issue, disconnect all three plugs and power the controller down.

STEP 5

Reinitialize the controller using the **SurePower Legacy Controller - Initialization document.**

In the event the shade does not return all the way to its home position and a retract command does not resolve this issue, a calibration should be performed – follow steps below.

CALIBRATION PROCEDURE:

STEP 1 Using the key FOB remote, press and hold buttons 1 and 2 simultaneously. Continue to press and hold the buttons for 15 seconds while observing the status LED. When you simultaneously press 1 & 2, the fob light should turn **SOLID BLUE** and the LED on control box should turn **SOLID RED**. If this does not occur, try depressing the number 2 button 1/10th of a second before the number 1 button.



NOTE: The status LED will begin to flash **YELLOW**.

STEP 2 When this happens, release both buttons at the same time. At this point, you should be seeing one **YELLOW** flash.

STEP 3 Adjust the port side actuator's home position to 1 inch by using button 1 or 2 on the key fob remote. Button 1 will extend the actuator and button 2 will retract it.

STEP 4 Using the key fob remote, press buttons 1 and 2 simultaneously and release.

NOTE: The status LED should be showing two **YELLOW** flashes repeatedly.

STEP 5 Adjust the starboard actuator to 1 inch using button 1 or 2 on the key FOB remote.



STEP 6 Using the key fob remote, press buttons 1 and 2 simultaneously and release.

NOTE: The status LED should show three **YELLOW** flashes repeatedly.

STEP 7 Perform this step only if you need to move both actuators simultaneously. Use button 1 or 2 on the key fob remote to extend or retract the actuators. If this step is not needed, simultaneously press and release buttons 1 and 2 to exit the calibration mode.

NOTE: The status LED should be **SOLID GREEN** if the calibration was successful.





This manual is provided courtesy of **RV Tech Cheat Sheet**



Professional resources for the whole RV industry — free.

We put manuals, wiring diagrams and hard-won tech knowledge in every technician's hands, so repairs get done right the first time, techs work faster, and RV owners everywhere get better service.



rvtechcheatsheet.com/manuals

Find thousands more RV manuals, wiring diagrams and parts lists

RV techs: share fixes, ask questions and learn from each other.

Join our free Facebook group →



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