



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

*When initializing a legacy system, the 15-amp fuse must still be used. The 5-amp fuse can be removed. *

NOTE: Prior to proceeding with initialization, nothing should be plugged into the controller.

- 1. Make sure nothing is plugged into the controller.
- 2. Remove the 5-amp inline fuse from the orange wire from the vessel's power supply.
- 3. Make sure the 15-amp fuse is still in place for the power supply.
- 4. Connect the vessel power wire connector to the controller wire connector. Observe the status LED located on the lid of the controller.
- 5. The status LED should flash **GREEN**. The number of flashes is determined by the length of the shade (i.e., 5 feet 5 flashes, 6 feet 6 flashes, 7 feet 7 flashes).
- 6. After the status LED **GREEN** flashes, the LED will flash **YELLOW** twice denoting it is programmed as a SurePower Legacy controller.

NOTE:

- •If the LED flashes YELLOW at this step (prior to connecting either actuator), you have either an incorrectly wired rocker switch, or a stuck switch relay. **DO NOT PROCEED WITH CONNECTING ACTUATORS UNTIL YOU HAVE THE LED blinking RED 3 times.**
- •If the LED stays a solid YELLOW at this step (prior to connecting either actuator) you do not have sufficient voltage (less than 9.4V) the shade will not run at any voltage under 10V.
- 7. Observe the status LED for repeatedly flashing **RED** three times. Three **RED** flashes denote no encoders are present.
- 8. Connect the **GREEN** starboard wire connector from the controller to the wiring harness connector for the starboard actuator. Observe the status LED. If the connection was successful, the status LED will flash **RED** one time repeatedly.

9. Connect the **ORANGE** wire connector from the controller to the wiring harness connector for the port side actuator. Observe the status LED. If the connection was successful the status LED should be **SOLID GREEN**.

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 the 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**.

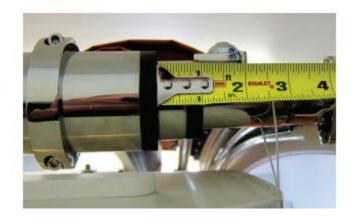
STEP 2 When this happens, release both buttons at the same time. At this point, you should be seeing one YELLOW flash.

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 4Using 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.



PAIRING THE REMOTE KEY FOB:

This procedure is only necessary if the fob/ controller pairing was lost or this factory setup step was missed.

For the pairing process, you have 5-7 seconds to perform the steps below or the controller will exit programming mode.

STEP 1

Make sure actuators are disconnected.

STEP 2

Press ext on rocker switch for 3-4 seconds until status LED lights SOLID YELLOW

STEP 3

Hit retract 3 times (status LED will blink YELLOW with each press of rocker switch.)

STEP 4

Hit ext 1 time (status LED should be solid **RED**) this will mean the controller is in learn mode. Press either button on remote, LED will flash **GREEN**. Remote is now programmed.

STEP 5

Hook actuators back up and complete initialization process and make sure you have a solid **GREEN** status light.

