



# SERVICE BULLETIN

SB00014

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## Cub Crafters, Inc. Considers Compliance Mandatory

**EFFECTIVE DATE:** This SERVICE BULLETIN is effective **April 02, 2010**

**SUBJECT:** UNDERVOLTAGE LED LIGHT IMPROVEMENT

**MODELS AFFECTED:** CC11-160 S/N CC11-00094 THRU CC11-00106 (EXCLUDING CC11-100 MODELS)

**COMPLIANCE TIME:** AT THE NEXT MAINTENANCE ACTION

**CONTINUED INSPECTION:** PROPER OPERATION IS OBSERVED BY A BRIGHT YELLOW UNDERVOLTAGE LIGHT WHEN THE MASTER IS ON AND THE ENGINE IS NOT YET RUNNING.

**PURPOSE & HISTORY:** ON EARLY CARBON CUB SS AIRCRAFT (ORIGINALLY SOLD AS THE SUPER SPORTCUB), THE UNDERVOLTAGE LED LIGHT ON THE INSTRUMENT PANEL CAN HAVE A SOFT GLOW DURING NORMAL OPERATIONS. THIS MIGHT BE CONFUSING TO THE PILOT IN LOW LIGHT CONDITIONS. THIS SERVICE BULLETIN UPGRADES THE LED TO PREVENT THE SOFT GLOW DURING NORMAL OPERATIONS. THIS SERVICE BULLETIN IS ONLY FOR THE ELECTRONIC IGNITION CC340 ENGINE AS INSTALLED ON THE CC11-160 CARBON CUB SS (ORIGINALLY SOLD AS SUPER SPORTCUB)

**WHO:** LSA REPAIRMAN-M OR A&P MECHANIC

**WARRANTY:** IT IS ASSUMED THAT THIS SERVICE BULLETIN WILL BE COMPLIED WITH AT THE NEXT CONDITION INSPECTION OR MAINTANANCE ACTION. ALL AIRCRAFT STILL WITHIN THE ONE-YEAR WARRANTY PERIOD WILL RECEIVE PARTS AT NO CHARGE.

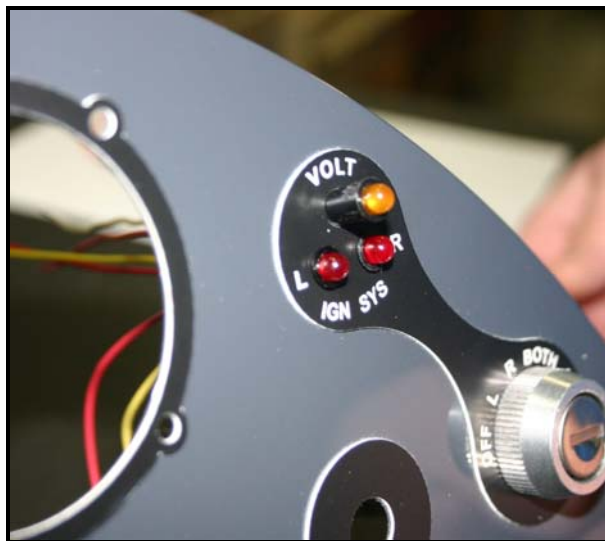
**PARTS LIST:**

PART NUMBER	DESCRIPTION	QTY
SC71040-001	LED Light Assembly	1
VP6003-001	Butt Splice	2
RM1075-001	Cable Ties	3

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#### INSTRUCTIONS:

1. Remove instruments as needed for access to current amber “Low Voltage” LED.
2. Locate wires A09B200 and A09D200 behind amber “Low Voltage” LED. Cut wires at current splice.
3. Remove old light by carefully popping light (with wires) out of the “FRONT” of the instrument panel as shown in Figure 1.



**FIGURE 1 - Removal of amber LED Light**

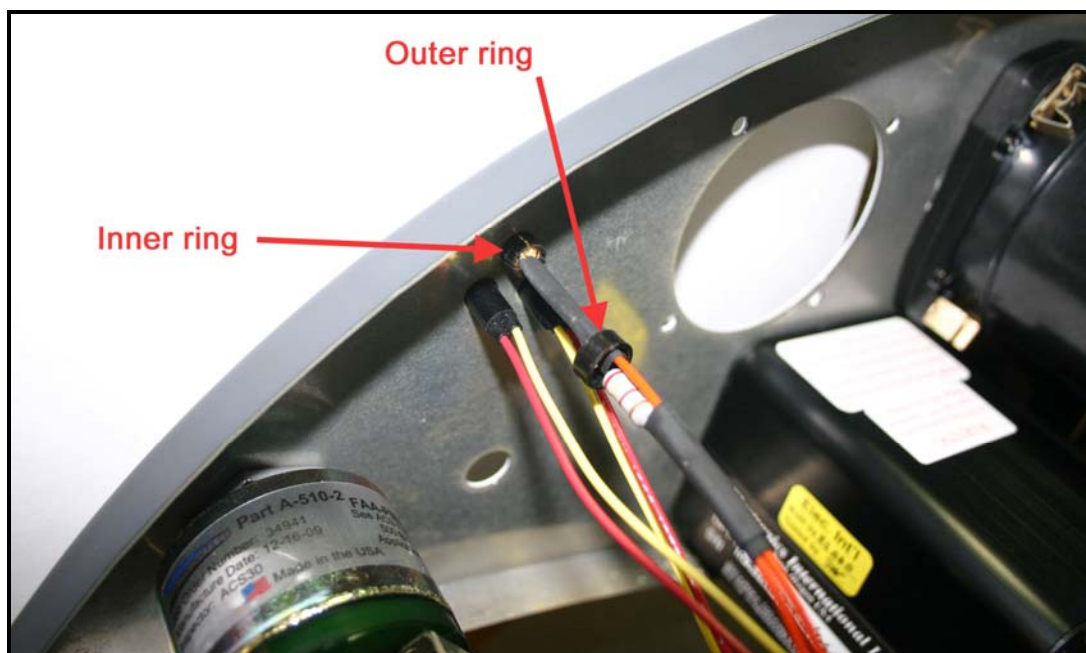
4. Install inner ring (with bezel pointing to front of instrument panel) by snapping in place from FRONT of panel as shown in Figure 2.

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**FIGURE 2 - Inner Ring Installation**

5. Snap new LED into place from the REAR of the instrument panel. (New amber LED will not protrude from the front of the panel as far as the red LEDs.)
6. Feed the wires of the LED through the remaining outer ring. Push ring up and carefully snap outer ring onto the inner ring from the REAR of the instrument panel as shown in Figure 3.



**FIGURE 3 - Installation of LED Wires**

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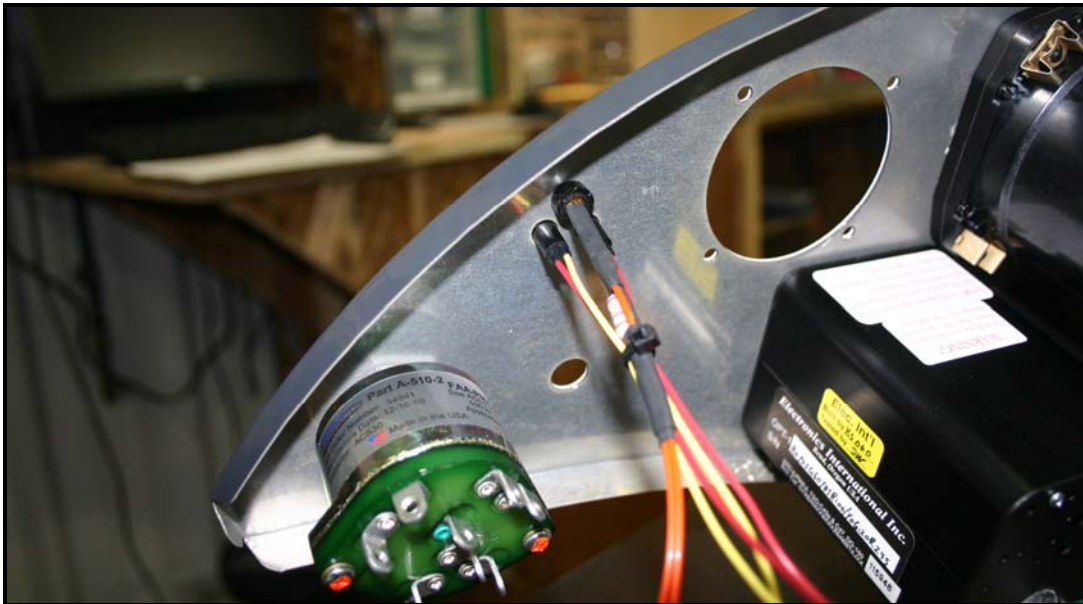
**FIGURE 4 - Outer Ring snapped in Place**



**FIGURE 5 - New Amber LED Light Installed**

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7. Strip wires A09B200 and A09D200.
8. Using a butt splice, connect wire A09B200 to the POSITIVE lead on the LED.
9. Using a butt splice, connect wire A09D200 to the NEGATIVE lead on the LED.
10. Secure wiring, ensuring no pressure on the LED.



**FIGURE 6 - LED Wire Connections**

11. Reinstall any instruments that were previously removed.
12. Make a note in the aircraft logbook that Service Bulletin No. 00014 has been complied with.

If you are no longer in possession of this aircraft, please forward this information to the present owner/operator and notify Cub Crafters, Inc. of the address of the current owner to:

Cub Crafters, Inc.  
1918 S. 16<sup>th</sup> Avenue  
Yakima, WA 98903  
1-877-484-7865 or 1-509-248-9491  
[support@cubcrafters.com](mailto:support@cubcrafters.com)

Please include the aircraft registration number, serial number, current name, and address of the owner and/or operator.