

### Cub Crafters, Inc. Considers Compliance Mandatory

**01/03/2013**

**EFFECTIVE DATE:** This SERVICE BULLETIN is effective 01/03/2013

**SUBJECT:** SPORT CUB ALTERNATOR FUSE HOLDER IMPROVEMENT

**MODELS AFFECTED:** CC11-100 S/N 0001 THRU 00186

**COMPLIANCE TIME:** AT NEXT MAINTENANCE ACTION

**CONTINUED INSPECTION:** AT EACH 100 HOUR/CONDITION INSPECTION

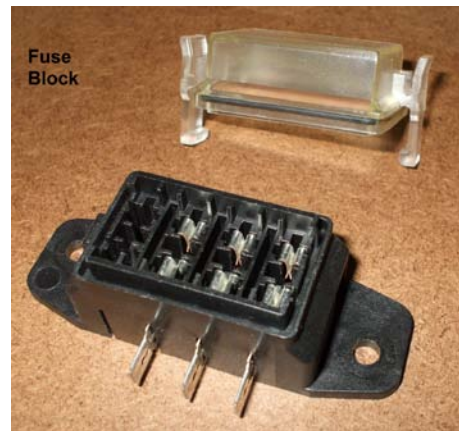
**PURPOSE:** CUBCRAFTERS HAS LEARNED OF CASES WHERE THE ALTERNATOR FUSE HOLDERS ON SPORT CUBS HAVE OVERHEATED. THIS SERVICE BULLETIN ADDRESSES THESE ISSUES BY DIRECTING THE INSTALLATION OF IMPROVED FUSE HOLDERS.

**PARTS LIST:**

| <u>PART</u> | <u>DESCRIPTION</u>            | <u>QTY</u> |
|-------------|-------------------------------|------------|
| VP6003-005  | BUTT SPLICE 12-10G            | 6          |
| SP55001-004 | INLINE FUSE HOLDER, ATC STYLE | 3          |
| SP55006-001 | 20 AMP FUSE, BLADE TYPE       | 3          |

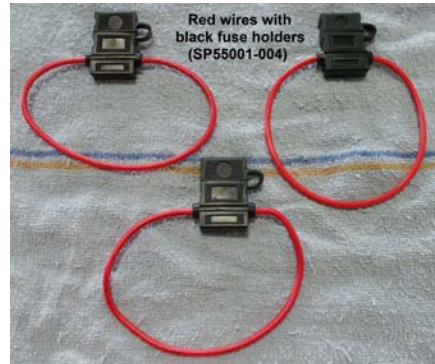
**INSTRUCTIONS:**

- 1) Locate and identify the three alternator fuse holders. (See Figure 4) They will be on the cabin side of the firewall in the upper left area approximately 8"-10" above the left rudder pedal. Use the photos and descriptions below to identify which fuse holders are currently in the aircraft.
  - a) If the fuse holders are black wires with black receptacles (similar to Figure 1) go to step 2) (BLACK INLINE FUSE HOLDERS).
  - b) If the fuses are in a fuse block mounted to the firewall with a clear plastic cover (as shown in Figure 2), go to step 3) (FUSE BLOCK).
  - c) If the fuses are red wires with black receptacles with a cover (as shown in Figure 3) go to step 4) (RED WIRES WITH BLACK RECEPTACLES).



**Figure 1**  
**Black Inline Fuse Holder**

**Figure 2**  
**Fuse Block**



**Figure 3**  
**New Fuse Holders**

**NOTE:** When installing the new fuse holders the three wires do not need to be marked. The order in which the three alternator wires connect to the three regulator wires makes no difference.

**NOTE:** If any un-airworthy wires, fuses, or holders are found please fill out a CubCrafters COS Form and return to CubCrafters (Continued Operational Safety Reporting Form) detailing what parts or wires are un-airworthy. The COS form can be found online at:

<http://www.cubcrafters.com/resources/support>

### BLACK INLINE FUSE HOLDERS

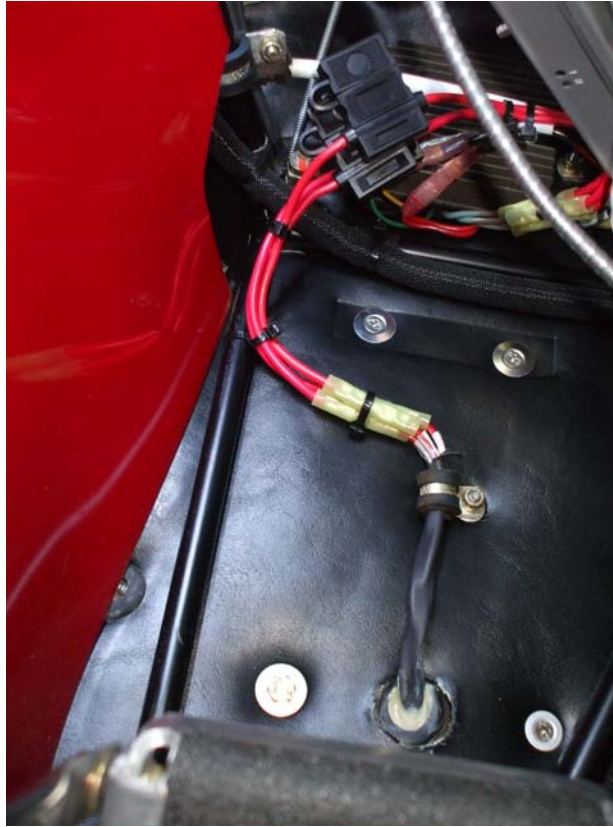
- 2) Cut out all three fuse holders at the butt splices.
  - a) Install the new fuse holders (SP55001-004) by cutting the red wire loop in the middle and using the provided butt splices (VP6003-005).
  - b) Insert the provided fuses in the new fuse holders and close the caps.
  - c) Secure the wires and fuse holders as needed using cable ties. Go to step 4).

### FUSE BLOCK

- 3) Disconnect all six wires from the fuse block. Remove fuse block, spacers and heat shield from the firewall.
  - a) Cut the slip terminals off the ends of the wires.
  - b) Install the new fuse holders (SP55001-004) by cutting the red wire loop in the middle and using the provided butt splices (VP6003-005).
  - c) Insert the provided fuses in the new fuse holders and close the caps.
  - d) Secure the wires and fuse holders as needed using cable ties. Go to step 4).

Cub Crafters, Inc. Considers Compliance Mandatory

01/03/2013



**Figure 4**  
**New Fuse Holders Installed**

### ALL AIRCRAFT

- 4) Inspect fuses, fuse holders and alternator wires to and from the voltage regulator for discoloration, security, chaffing and general condition. (NOTE: Wires may appear black where they pass through the black rubber of cushioned clamp. This is normal and serviceable as long as the wires do not appear brittle)
- 5) Test run per the CC11-100 POH. Make sure the alternator is working. NOTE: It is normal for the alternator to not come fully online until the engine is turning 1500-1700 RPM.
- 6) Make a logbook entry in the airframe logbook stating that SB00023 has been complied with. Note the type of receptacle found and if it was replaced.
- 7) CONTINUED INSPECTION  
Inspect wires, butt splices and fuses for signs of heat buildup per the 100 hour/condition inspection form found in the Aircraft Maintenance Manual.



**Cub Crafters, Inc. Considers Compliance Mandatory**

**01/03/2013**

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.