



# NOTIFICATION

**NB00005**

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**EFFECTIVE DATE:** This NOTIFICATION is effective **November 7, 2011**  
**SUBJECT:** FALSE SPAR CRACK REPAIR  
**APPLICABLE MODELS:** All CC11-100 and CC11-160 Aircraft  
**COMPLIANCE TIME:** As Required  
**PURPOSE:** To provide repair instructions in the case of a false spar crack.

## INSTRUCTIONS:

1. Locate and install the grommet, TC3017-001, on the fabric in a location that will allow access to the area around the crack. Use Loctite 330 to adhere the grommet to the fabric.
2. Cut out the fabric inside the grommet, this will be an inspection hole.
3. Stop drill the crack in the false spar.
4. Cut the fabric around the perimeter of the three lower rivets in the rib next to the crack. There should still be one rivet untouched at the top of the rib.
5. Drill out the three rivets in the rib.
6. Fabricate a doubler using .025-.032 thick 5052-H32 aluminum that will extend past the crack at least 3" on the inboard and outboard sides and runs most of the height of the false spar. Form the doubler so that it matches the false spar.
7. Slip the doubler through the new inspection hole and insert it between the rib and the false spar so that it is centered over the crack in the false spar.
8. The doubler may be attached using one of two methods:
  - a. First: drill and rivet through the false spar into the doubler from the outside. Install three rivets per side on both inboard and outboard sides for a total of six rivets. Use HDW-SS/SS42D rivets.
  - b. Or, Second: Clean and prep the inner surface of the false spar and the doubler. Bond the doubler to the false spar using Methacrylate MA832 per the supplier's instructions.
9. Match drill through the doubler
10. Reinstall the rivets through the false spar, doubler, and the rib using HDW-SS/SS42D rivets.
11. Touch up rivet heads with paint to match the aircraft.
12. Install Inspection cover, TC9101-001, over inspection hole that was cut in wing.

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.