

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

**EFFECTIVE DATE:** This SERVICE BULLETIN is effective June 18, 2007

**SUBJECT:** Rudder Horn Reinforcement

**MODELS AFFECTED:** CC11-100 S/N00005

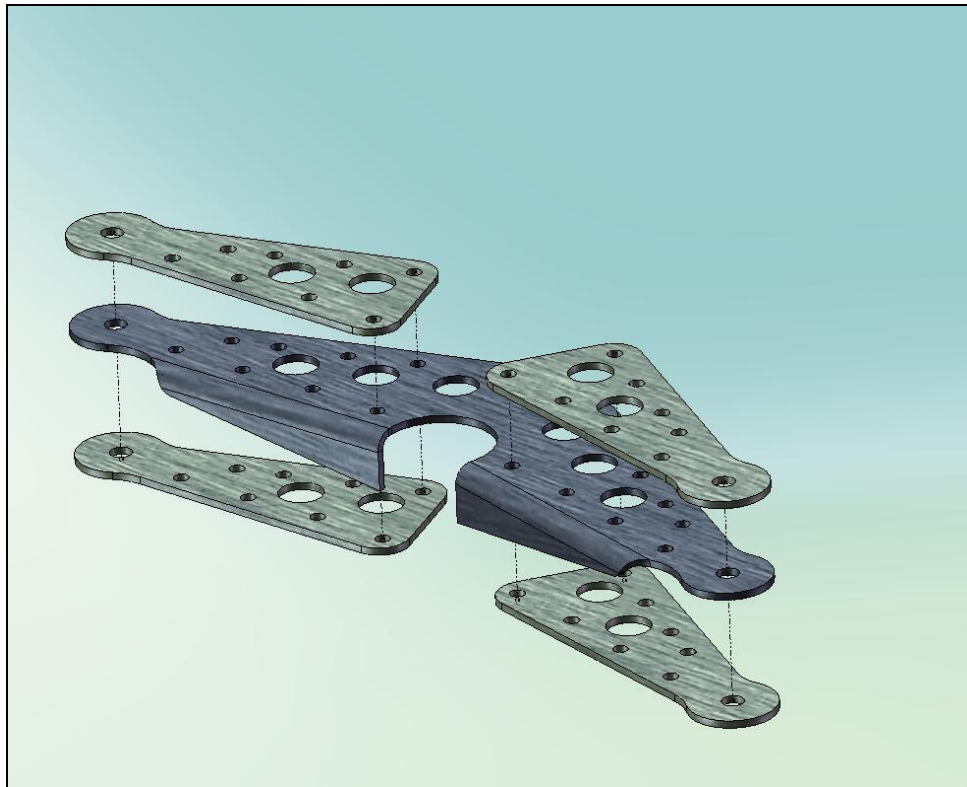
**COMPLIANCE TIME:** PRIOR TO NEXT FLIGHT

**PURPOSE:** Engineering analysis and empirical data has shown that the rudder horn on the Sport Cub will fail when a large amount of force is applied to the rudder pedals.

**PARTS LIST:**

<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
SC81211-001	RUDDER HORN DOUBLER	4
CR3213-4-6	RIVET – CHERRY MAX – 1/8X3/16	14

**INSTRUCTIONS:** Add two SC81211-001 rudder horn doubler to existing rudder horn (See Figure 1).

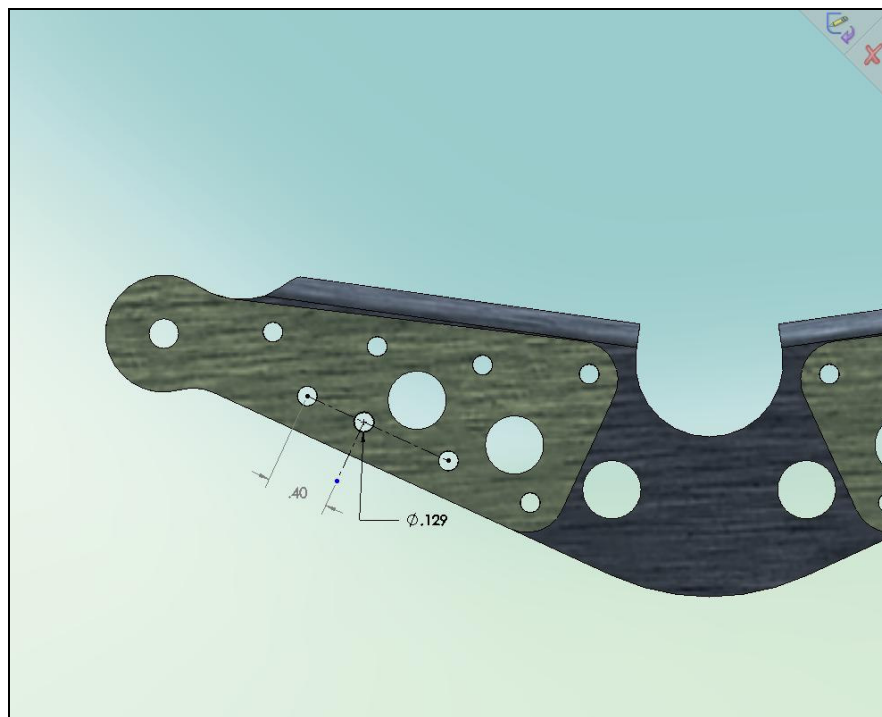


**Figure 1**

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#### SC81211-001 Rudder Horn Doubler Installation Procedure:

1. Align rudder horn holes with rudder horn doubler holes as shown in Figure 1. Secure rudder horn doubler to rudder horn by any means possible (pins, clamps, etc.).



**Figure 2**

2. Once the rudder horn doubler and rudder horn are aligned and secured, drill  $\text{Ø}.129$  thru rudder horn to match rudder horn doubler as shown in Figure 2. Add additional rivet holes to SC81211-001 and rudder horn in location shown in Figure 2.
  3. Install Cherry Max rivets CR3213-4-6 thru rudder horn doubler and rudder horn. MS20470AD4-8 rivets may be substituted for CR3213-4-6 rivets. Rivet lengths may be adjusted as required for best fit.
  4. Make an entry into aircraft logbook stating SERVICE BULLETIN SB00007 has been complied with.
- If any discrepancies found, contact Cub Crafters, Inc. prior to next flight.