



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

**EFFECTIVE DATE:** This SERVICE BULLETIN is effective October 19, 2008

**SUBJECT:** THROTTLE CABLE ADJUSTMENT

**MODELS AFFECTED:** CC11-100 S/N CC11-00002 THRU CC11-00091.

**COMPLIANCE TIME:** Inspection (Owner/Operator Task):  
PRIOR TO NEXT FLIGHT  
Adjustment: AT THE NEXT MAINTENANCE ACTION

**CONTINUED INSPECTION:** NORMAL INSPECTIONS PER MAINTENANCE MANUAL

**PURPOSE & HISTORY:** THERE HAVE BEEN TWO INSTANCES OF A THROTTLE CABLE FAILURE AT THE ATTACHMENT TO THE CARBURETOR. BOTH INSTANCES RESULTED IN PARTIAL LOSS OF POWER AND SAFE FORCED LANDINGS. THE FAILURES HAVE BEEN ATTRIBUTED TO EXCESS CUSHION OR BUFFER THAT MAY BE PRESENT ON SOME AIRCRAFT.

THE PROBLEM IS CREATED WHEN THE THROTTLE IS PUSHED TO THE FULL OPEN POSITION. IF NO BUFFER (CUSHION) EXISTS, THE STOP AT THE THROTTLE LEVER AND THE STOP AT THE CARBURETOR CONTACT SIMULTANEOUSLY. IF A BUFFER (CUSHION) EXISTS, THE STOP AT THE CARBURETOR IS CONTACTED FIRST. AS THE THROTTLE LEVER CONTINUES TO MOVE FORWARD, THE CABLE BENDS AND COULD POSSIBLY STRESS THE CABLE AT THE FITTING. TO PREVENT THE THROTTLE CABLE FROM BREAKING IN FLIGHT, WE RECOMMEND THAT ALL THROTTLE CABLE BUFFER IN THE FULL THROTTLE POSITION BE REMOVED.

**WARRANTY:** IT IS ASSUMED THAT THIS SERVICE BULLETIN WILL BE COMPLIED WITH AT THE NEXT CONDITION INSPECTION OR MAINTENANCE ACTION. ALL AIRCRAFT STILL WITHIN THE ONE-YEAR WARRANTY PERIOD WILL RECEIVE PARTS (IF NEEDED) AT NO CHARGE AND A LABOR REIMBURSEMENT OF UP TO ONE HOUR AT A RATE OF \$75/HOUR. AIRCRAFT NOT WITHIN THE ONE-YEAR WARRANTY PERIOD WILL RECEIVE PARTS (IF NEEDED) AT NO CHARGE.

**INSTRUCTIONS:**

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#### INSPECTION:

1. Visually inspect the forward throttle from inside the cabin, by gently pushing it forward until it stops. Then push it forward with more pressure to see if it moves farther forward. Any additional forward movement is called cable buffer. There should not be any buffer in the cable.
2. If no buffer exists, make a note in the aircraft logbook that Service Bulletin SB00012 has been complied with.
3. If there is any amount of buffer, follow the instructions as listed below.

#### ADJUSTMENT INSTRUCTIONS:

1. Remove the engine cowl.
2. Using Figure 1, loosen jam nut AN315-3R.
3. Remove AN380-2-2 cotter pin, AN320-3 nut, and AN960-10L washer.
4. Remove AN3-14 bolt and SC15000-043 spacer

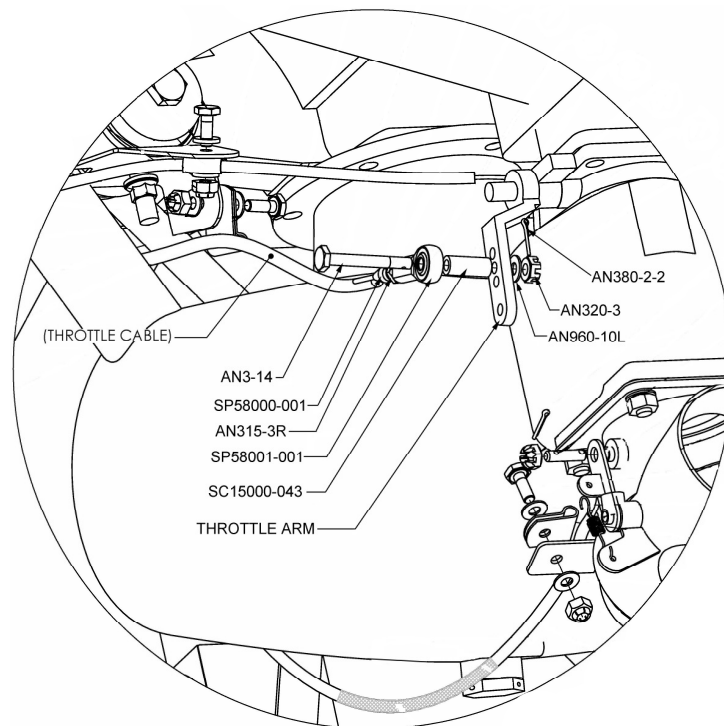
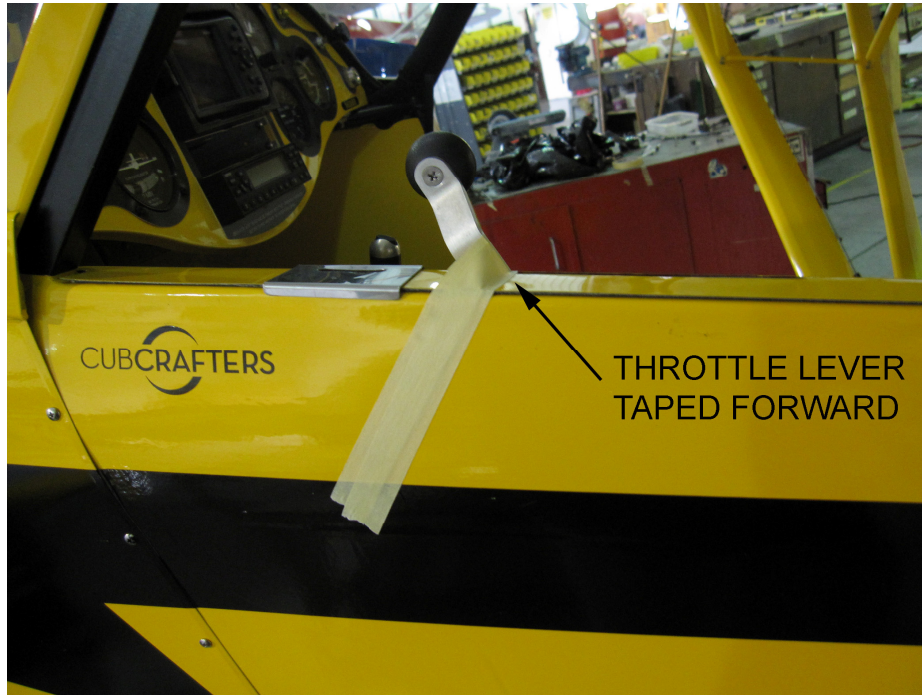


FIGURE 1

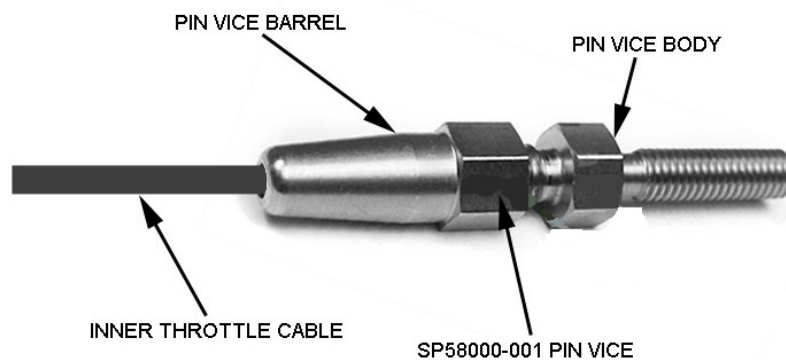
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5. From the cabin, push the forward throttle full forward and secure it with masking tape as shown in Figure 2.



**FIGURE 2**

6. From the engine, push the throttle arm fully forward.
7. Turn the ball end of the pin vice (SP58001-001, see Figure 3) in or out to adjust it, so the ball end “eye” lines up with the hole in the throttle arm from which it was removed.

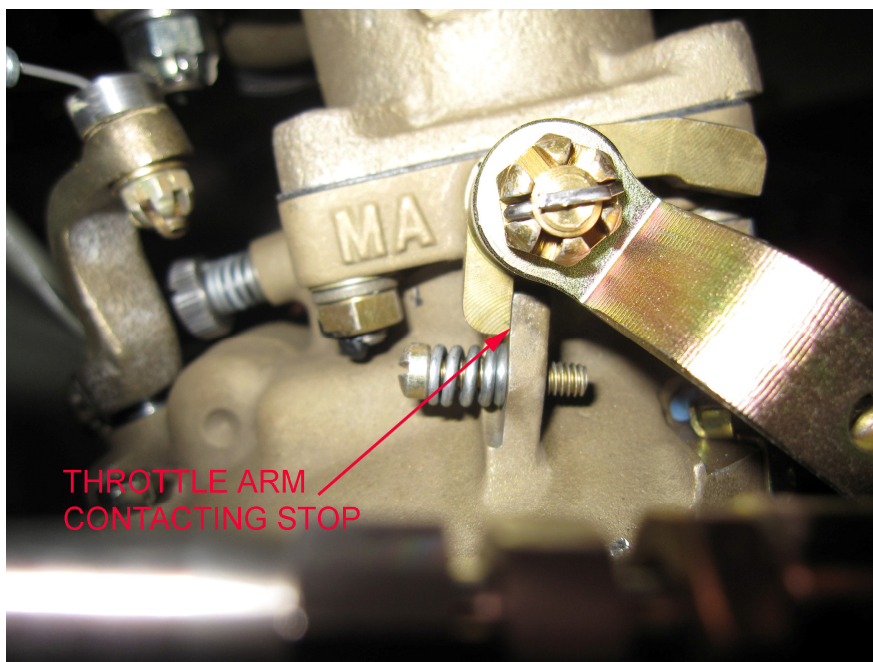


**FIGURE 3**

8. Reassemble per Figure 1 and lightly tighten AN320-3 nut.

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9. Recheck for cable buffer and readjust, if necessary.
10. If the cable buffer has been removed, check the throttle arm to ensure it touches the stop on the carburetor when the forward throttle in the cabin is full forward as shown in Figure 4.



**FIGURE 4**

11. If the throttle arm stop does not touch the carburetor when the forward throttle in the cabin is full forward, readjust as necessary.
12. If the throttle cable has no buffer and the throttle arm touches the carburetor in the full forward position, the throttle has been adjusted correctly.
13. Once the throttle cable has been properly adjusted, tighten AN320-3 and replace the cotter pin AN380-2-2. Tighten the AN315-3R nut. Test both throttles on the ground for proper operation. Ensure there are no abnormalities. Run the engine to check for proper throttle operation and reinstall the cowling.
14. Make a note in the aircraft logbook that Service Bulletin SB00012 has been complied with.
15. NOTE: If there are not enough threads to make sufficient adjustment or too much buffer still exists, call Customer Support at 509-248-9491. Cub Crafters will send further instructions along with the new pin vise that will be needed to make further adjustments.



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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.