

SERVICE INSTRUCTION SK-SI001 Rev NC Page 1 of 2

EFFECTIVE DATE: This Service Instruction is effective 06-27-2019

SUBJECT: PROPELLER LEVER SPRING RETROFIT INSTRUCTIONS

MODELS AFFECTED: CCK-2000 AND CCX-2000 S/N 0001 THROUGH 0072

COMPLIANCE TIME: THIS RETROFIT INSTALLATION IS OPTIONAL, AND NOT REQUIRED FOR CONTINUED SAFE OPERATION. COMPLIANCE WITH THIS SERVICE INSTRUCTION IS AT THE DISCRETION OF THE OWNER/OPERATOR.

PURPOSE: This document provides instructions for the modification of the engine controls to add an extension spring between the propeller lever and the spacer block. Incorporation of this modification may improve control ergonomics, preventing prop lever creep and/or stiff engine controls.

PARTS LIST:

<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
SK58102-001	Spacer, FWD Controls	1
SK99002-001	Lever, Prop Control	1
SP99001-001	Extension Spring, 2.25L x .420 OD	1

INSTRUCTIONS:

1. Read all instructions before beginning any work.
2. Remove the left center interior panel. (AMM Chapter 25-00)
3. Disassemble the forward controls in order to remove the forward propeller lever (XC99002-001) and spacer block (SC58102-004). (AMM Chapter 76-00)
4. Reassemble the forward controls with the replacement parts. Replace the propeller lever with SK99002-001, and replace the spacer block with SK58102-001. Add an extension spring (SP99001-001) between the spacer block and the prop lever as shown in Figure 1.

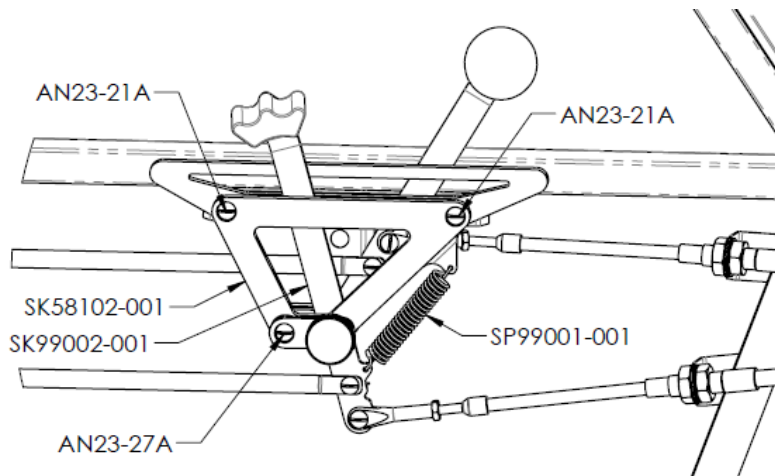


Figure 1 – Replacement Components Installed



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5. Actuate the throttle and propeller controls to verify correct operation.
 - a. Verify that the throttle and propeller controls hit both end stops. The throttle controls should hit the stops at idle and wide open throttle. The propeller controls should hit the stops at the low and high pitch settings.
 - b. Verify that the throttle and propeller levers do not hit the interior panel or the AN23-21A bolts in the control assembly (see Figure 1). The movement of the throttle and propeller levers should be limited by the mechanical stops firewall forward, not the interior panel or control assembly bolts.
 - c. Verify that the propeller lever does not spring forward when the lever is pulled to the aft position. If there is a tendency of the lever to spring forward, the friction in the system may need to be increased by tightening the bolts that mount the control assembly. In particular, tightening the AN23-27A bolt noted in Figure 1, will increase the friction in the system.
6. Re-install the left center interior panel. (AMM Chapter 25-00)
7. Make a logbook entry stating that the forward propeller lever controls were changed to add a spring, and that SK-SI001 Rev NC was complied with. This modification does not create any notable change to weight and balance of the aircraft.

If you are no longer in possession of this aircraft, please forward this information to the present owner/operator and notify Cub Crafters, Inc. Contact the customer service department at:

Cub Crafters, Inc.
1918 S. 16th Avenue
Yakima, WA 98903.
1-877-484-7865 or 1-509-248-9491
support@cubcrafters.com

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