



SERVICE BULLETIN XK-SB004 Rev NC Page 1 of 4

Cub Crafters, Inc. Considers Compliance Mandatory

EFFECTIVE DATE: 10/08/2025

SUBJECT: *ALTERNATOR OUTPUT STUD HARDWARE INSPECTION*

MODELS AFFECTED: CCX-2300-0070 through CCX-2300-0110, CCX-2300-0112, CCX-2300-0113

COMPLIANCE TIME: *WITHIN THE NEXT 10 HOURS OF FLIGHT TIME. Compliance with this Service Bulletin is suggested for all aircraft with the affected serial number and is at the sole discretion of the owner/operator of the Experimental Amateur-Built aircraft.*

PURPOSE: *Cub Crafters has been made aware of an instance where incorrect hardware was found installed on "B" terminal of the alternator after experiencing COM noise and charging issues.*

WARRANTY: Aircraft under warranty will be provided parts at no cost and receive up to 1 hour of labor if work is performed at a Cub Crafters Authorized Service Center. Please contact Cub Crafters Customer Support for assistance.

PARTS LIST:

<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY A</u>	<u>QTY B</u>
MS21045-6	Nut	0	1
VP6408-001	Alternator Assembly, 14/28V, 60 AMP	0	1
VP6408-021	M6 nut	1	1
VP6408-023	6mm split washer	1	1

INSTRUCTIONS:

1. Read all instructions before beginning any work.
2. Remove cowling, retaining all fasteners.
3. Locate the "B" terminal of the alternator (see Figure 1).

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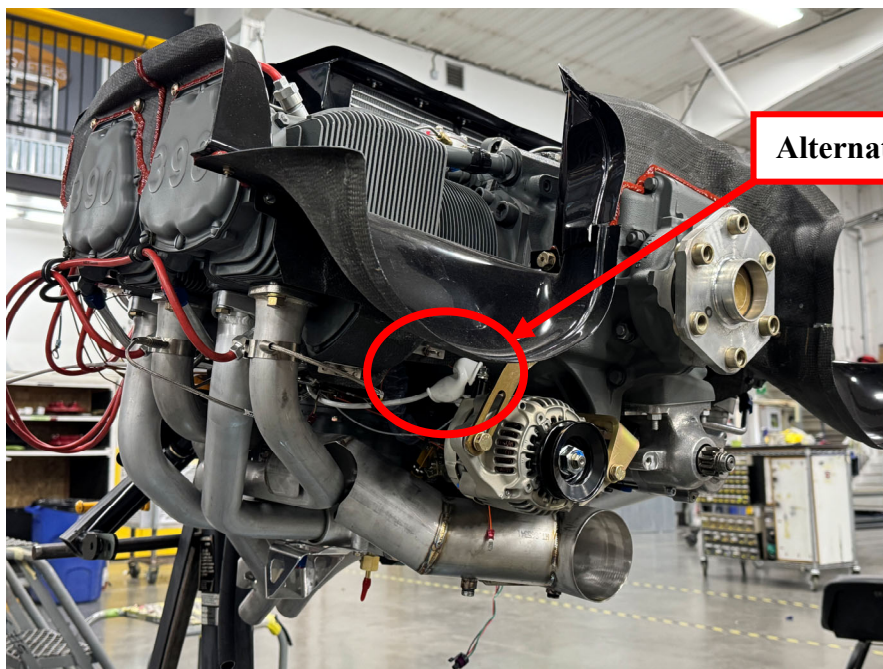


Figure 1: Under Engine, Looking up

4. Inspect the nut type and condition of the terminal stud.
 - a. If the hardware is correct (see Figure 2), then refer to Finishing Steps.



Figure 2: Example of correct hardware

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- b. If the hardware is incorrect, but tight, and undamaged (see Figure 3), then refer to Section A.



Figure 3: Example of incorrect hardware that is tight and undamaged

- c. If the hardware is incorrect, and has visible play on stud or has thermal or corrosion damage (see Figure 4), then refer to Section B.



Figure 4: Examples of visible play on stud and thermal/corrosion damaged hardware



SERVICE BULLETIN

XK-SB004

Rev NC

Page 4 of 4

Cub Crafters, Inc. Considers Compliance Mandatory

Section A – Hardware Terminal Replacement

1. Refer to parts list under QTY A.
2. Replace hardware with the correct nut; VP6408-021 and correct washer; VP6408-023 (see Figure 2).

Section B – Alternator Replacement

1. Refer to parts list under QTY B.
2. Remove the alternator as per the Aircraft Maintenance Manual (No. XK10000AMM) § 24-00.3.A.1.
3. Replace with a new alternator (VP6408-001), using the new MS21045-6 nut for the pivot bolt.
4. Reinstall the alternator as per the Aircraft Maintenance Manual (No. XK10000AMM) § 24-00.3.A.3.
5. Reconnect “B” terminal hardware with the correct nut; VP6408-021 and the correct washer; VP6408-023 (see Figure 2).

Finishing Steps

1. Reinstall cowling.
2. Make a logbook entry that XK-SB004 Rev NC was complied with, and serial number of alternator recorded. Change has no effect on weight and balance.

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.
1-509-248-9491 or 1-877-484-7865
support@cubcrafters.com

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