



SERVICE BULLETIN

XK-SB001

Rev NC

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EFFECTIVE DATE: This Service Bulletin is effective 12-30-2020.

SUBJECT: TRIM MOTOR SCREW GEAR REPLACEMENT

MODELS AFFECTED: CCX-2300-0006 through CCX-2300-0015

COMPLIANCE TIME: AT NEXT PERIODIC INSPECTION.

This gear replacement is recommended by Cub Crafters to improve the fit of the trim motor screw gear. Compliance with this Service Bulletin is suggested and is at the sole discretion of the owner/operator/builder of the Experimental Amateur-Built aircraft.

PURPOSE: To replace the trim motor screw gear with XK98004-001 trim motor screw gear. This is to improve the fit of the trim motor screw gear and avoid any undue wear on the associated hardware caused by a poorly fitting gear.

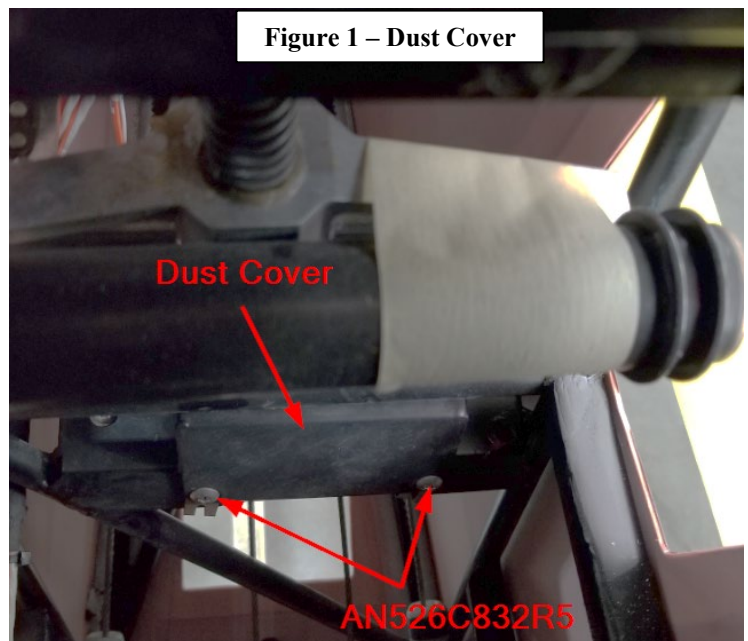
WARRANTY: If the aircraft is under warranty, contact a Cub Crafters authorized service center to complete work. Parts will be provided, if necessary. Please contact Cub Crafters Customer support for assistance. A labor reimbursement for an authorized service center will be provided up to 1 hour if needed.

PARTS LIST:

PART NUMBER	DESCRIPTION	QTY
XK98004-001	SCREW DRIVE GEAR	1
MS35275-208	2-56 X 5/8" L FILLISTER HEAD MACHINE SCREW	1
MS21044N-02	#2 NYLON INSERT LOCK NUT	1

INSTRUCTIONS:

1. Read all instructions before beginning any work.
2. Ensure master switch is off.
3. Remove dorsal fin and set aside with hardware.
4. Remove dust cover, XK98008-001, by removing 2x AN526C832R5 and sliding the cover forward and up. See Figure 1.



5. Remove MS35275-208 fillister head screw and MS21044N-02 nylon lock nut from screw gear attached to trim motor and slide screw gear up and off the motor shaft. See Figure 2.

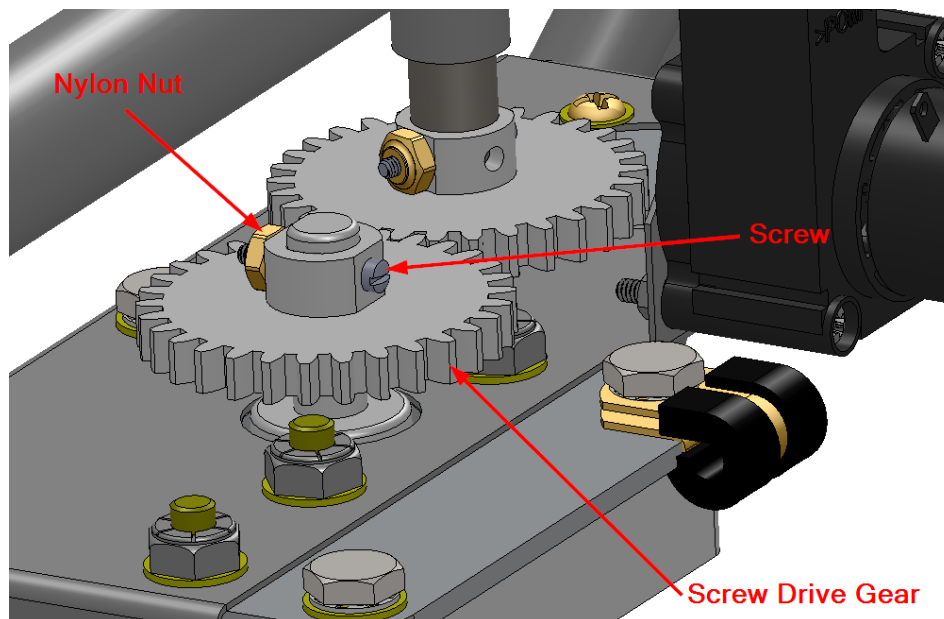


Figure 2 – Screw Drive Gear Removal

6. Install new screw drive gear, XK98004-001, onto the motor shaft using the new MS35275-208 fillister head screw and MS21044N-02 nylon lock nut. Use multipurpose grease per MIL-PRF-24139 or equivalent on gear teeth.
7. Reinstall dust cover with previous hardware.
8. Reinstall dorsal fin with previous hardware.
9. Make logbook entry stating that XK-SB001 Rev NC was complied with. There is no change to weight & 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.