



SERVICE INSTRUCTION XK-SI008 Rev NC Page 1 of 3

EFFECTIVE DATE: This Service Instruction is effective **09-22-2025**

SUBJECT: *ENGINE IGNITION SYSTEM (EIS) WIRE CRIMP INSPECTION*

MODELS AFFECTED: *CCX-2300 S/N 0001 AND ON*

THIS SERVICE INSTRUCTION IS OPTIONAL BUT RECOMMENDED AND IS NOT REQUIRED FOR CONTINUED SAFE OPERATION. COMPLIANCE WITH THIS SERVICE INSTRUCTION IS SUGGESTED AND IS AT THE SOLE DISCRETION OF THE OWNER / OPERATOR / BUILDER OF THE EXPERIMENTAL AMATEUR BUILT AIRCRAFT.

PURPOSE: *This document provides instructions for the inspection of the crimps on the engine ignition system (EIS) wires.*

PARTS LIST: *N/A*

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.*

INSTRUCTIONS:

1. Read all instructions before beginning any work.
2. Remove the top engine cowl:
 - a. Apply masking tape to upper cowl behind propeller spinner and backing plate to prevent scratches during removal
 - b. Remove upper cowl fasteners and gently lift off. It may be easier to remove in a rocking motion by lifting one side slowly before lifting entire cowl away
3. Inspect general harness installation:
 - a. Make sure that it is secure and well supported, not putting pressure on the power and ground wires attached to the EIS units.
 - b. Ensure that there are adequate service loops for all wires.
4. Inspect for any broken wires and for acceptable crimps on the ring terminals connected to the EIS for wires EIS201D16-1, EIS202C16-1, EIS101B20-1, and EIS102B20-1. Acceptable crimp inspection is performed by pulling on the wires with a force of approximately 15 to 20 lbs. If the crimps hold then they are properly made.

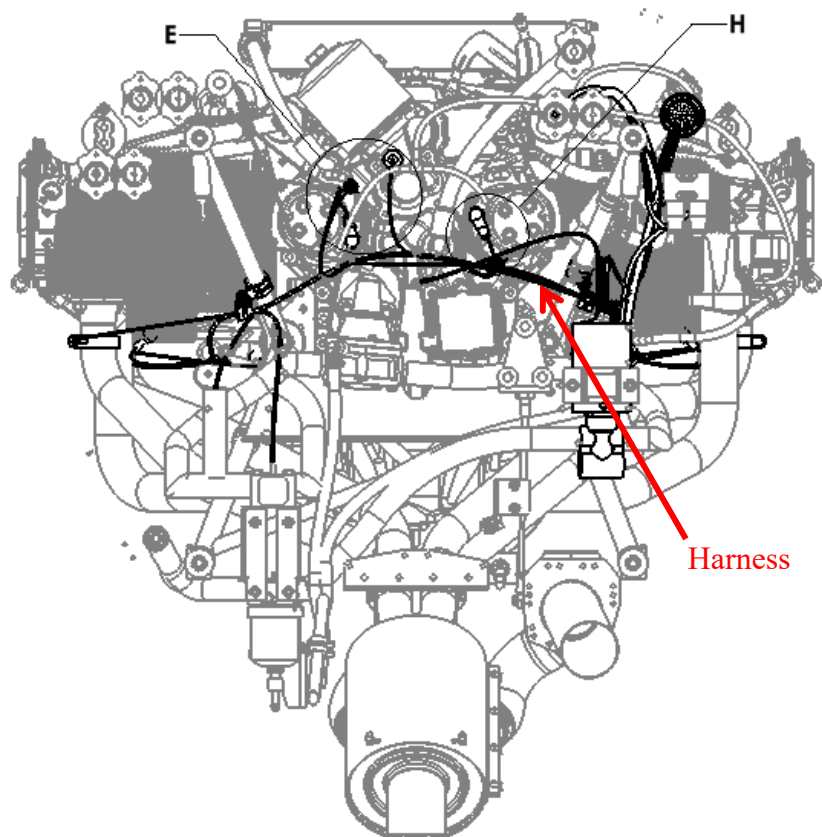
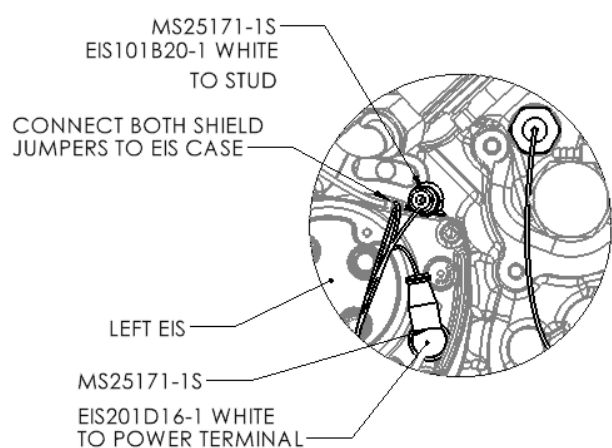
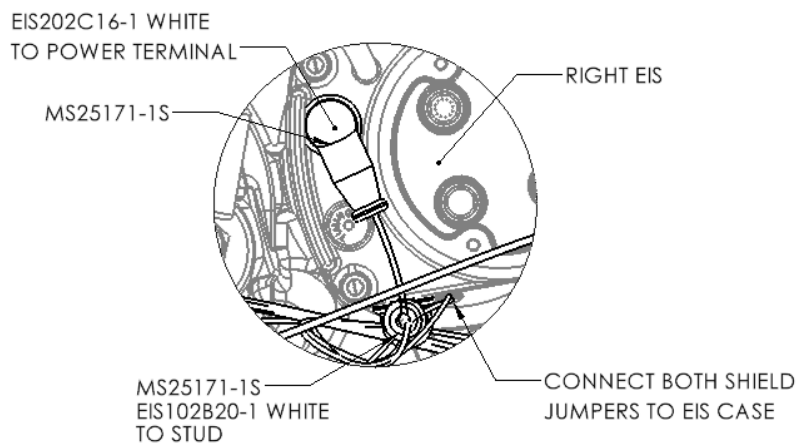


Figure 1 – Engine Rear Showing Harness Routing



DETAIL E
LEFT ENGINE IGNITION SYSTEM (EIS)



DETAIL H
RIGHT ENGINE IGNITION SYSTEM (EIS)

Figure 2 – EIS Details Showing Wires



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5. Reinstall top engine cowling.
 - a. Reinstall upper cowl. Take extra precaution to avoid propeller spinner backing plate fasteners as chipping of the composite cowl may occur.
 - b. Ensure all baffle seal overlaps are in the appropriate direction. All seal sections should be flexed up and in toward the center of the upper air plenum
 - c. Tighten and verify that all cowl fasteners are installed and tight and that all ducting has been reconnected. Recommended order is to tighten all fasteners between the top and bottom cowl, then start at the top cowl center fastener and work downward around the boot cowl attachment.
 - d. Remove masking tape from cowling behind propeller spinner and backing plate
6. Make a logbook entry stating EIS wire crimp inspection has been accomplished per XK-SI008 Rev NC. 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.