



SERVICE BULLETIN

CK-SB010

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Cub Crafters, Inc. Considers Compliance Necessary for Continued Airworthiness

EFFECTIVE DATE: This SERVICE BULLETIN is effective **October 10, 2025.**

SUBJECT: ENGINE COOLANT LINE ROUTING

MODELS AFFECTED: All CCX-1865-1001 THRU CCX-1865-1007

COMPLIANCE TIME: WITHIN 10 FLIGHT HOURS.

PURPOSE: PREVENT POSSIBLE COOLANT LEAK.

WARRANTY: ALL AIRCRAFT WILL RECEIVE PARTS (IF NEEDED) AT NO CHARGE.

INSPECTION: POSSIBLE CHAFING BETWEEN ENGINE COOLANT TUBE AND CYLINDER #4 PUSH ROD TUBE

PARTS LIST: SECTION 1

PART NUMBER	DESCRIPTION	QTY
RM1074-001	SILCO End Seal Wrap, 1"	1'
RM0013-002	Silicone, 26C RTV High Temp Red	1 OZ (APPROX.)

INSTRUCTIONS: Section 1

1. Safely park and chock aircraft wheels or apply parking brakes.
2. Ensure that ignition key is in the "OFF" position and that the key is removed. Ensure that the Master switch is in the "OFF" position.
3. Remove engine cowl:
 - a. Optionally, apply masking tape or adhesive transfer paper to area of cowl just behind propeller spinner. This will help to prevent paint scratches.
 - b. Remove and retain fasteners securing upper engine cowl. Carefully lift upper engine cowl off and set aside.
 - c. Disconnect APPTS sensors (2) on upper aft section of intercooler inlet air ducts.

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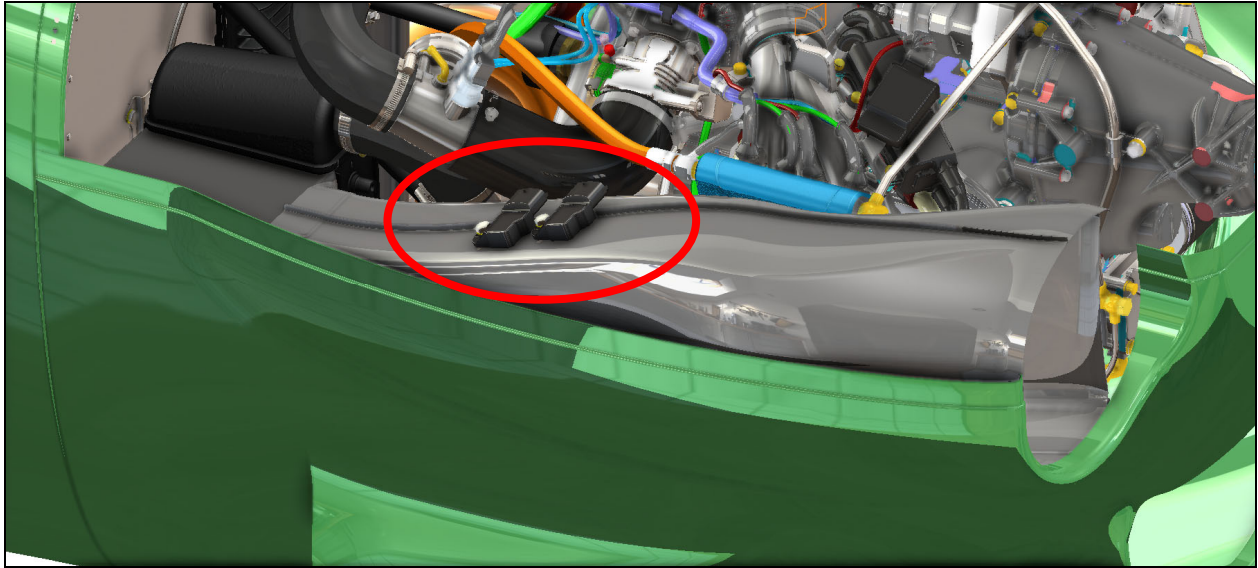


Figure 1 - APTS SENSOR LOCATION

- d. On lower cowling, loosen oil radiator inlet SCAT (6" SCAT duct) FWD clamp and pull duct from FWD composite inlet scoop. The length of SCAT duct and FWD composite inlet scoop may also be fully removed by removing the screws connecting the scoop to the lower engine cowling.

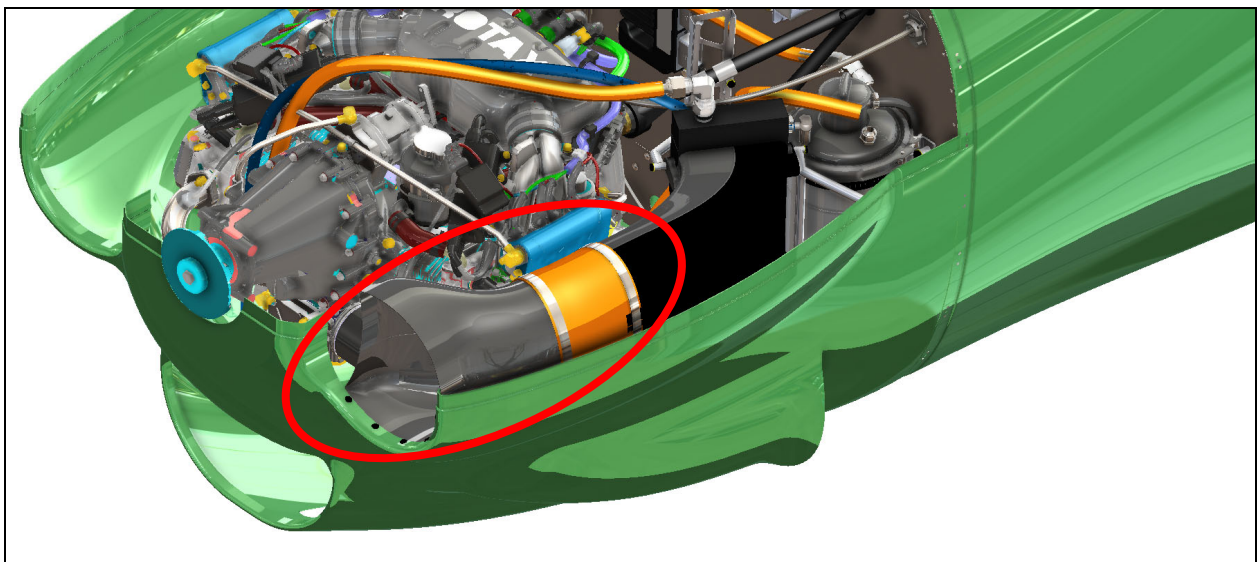


Figure 2 - OIL RADIATOR DUCTING

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- e. On lower cowl, disconnect cabin heat SCAT duct by loosening clamp on cowl inlet NACA duct and pull SCAT duct clear.

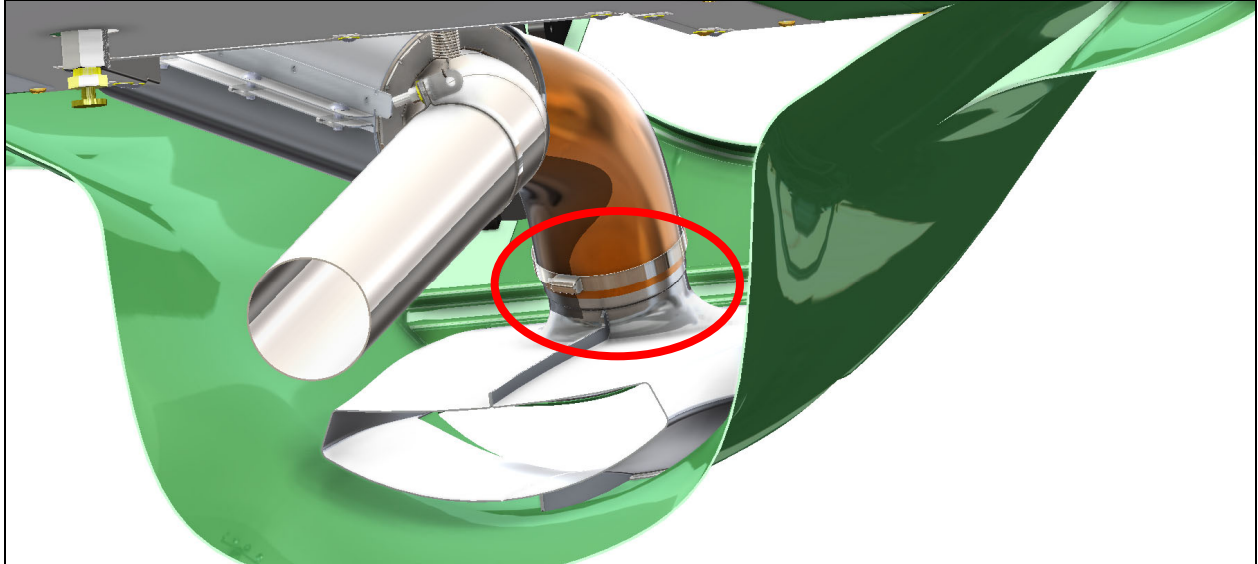


Figure 3 - CABIN HEAT DUCT

- f. Reach to either side of the coolant radiator within lower cowl and flip aluminum retainer hooks off shoulder screws. It may be helpful to manually lift the coolant radiator out of the 4 Delrin retaining lugs.

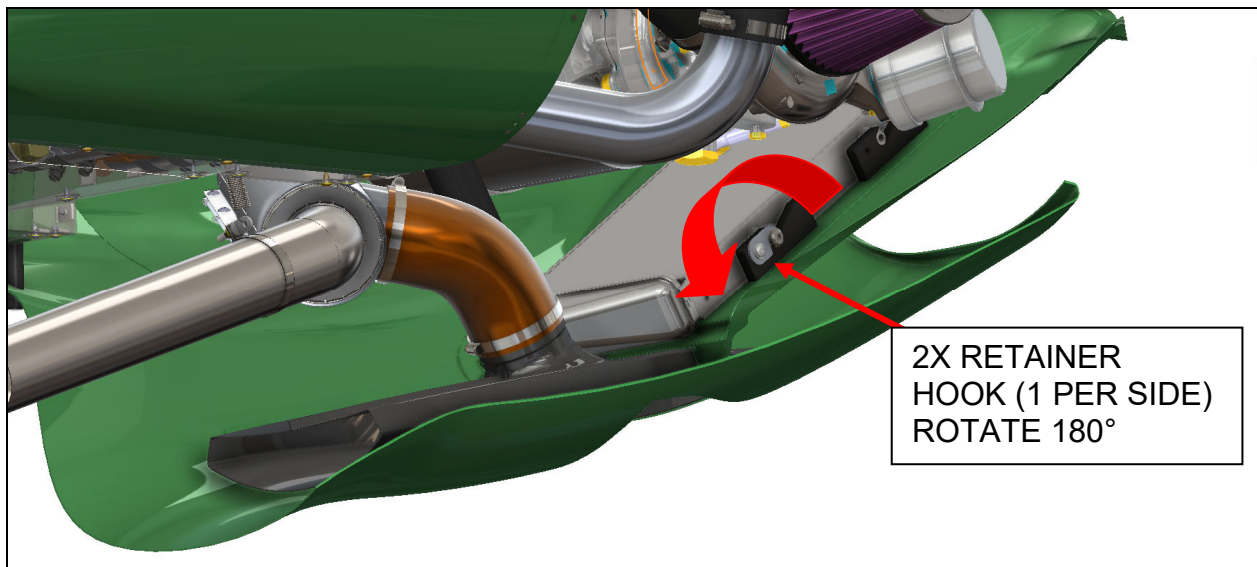


Figure 4 - COOLANT RADIATOR RETAINER HOOKS

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- g. Pull oil tank breather hose clear of lower cowling clearance hole

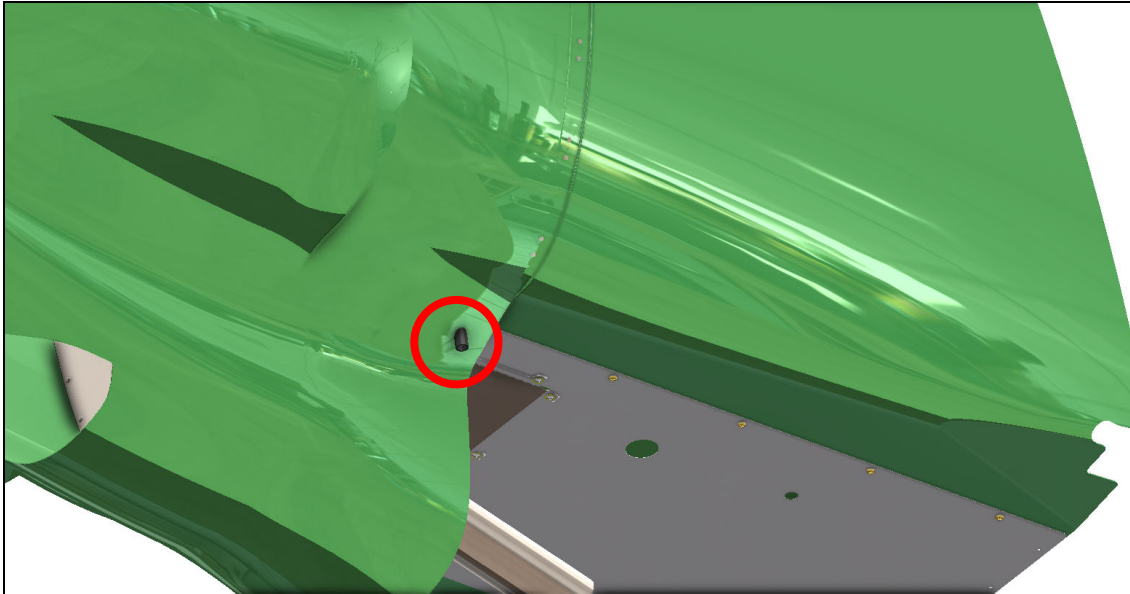


Figure 5 - OIL TANK VENT TUBE

- h. While supporting lower cowling, remove fasteners securing lower cowl to boot cowl.
 - i. With a deliberate rotational motion, remove lower cowling. Maintain vertical position of RH side while the LH side is rotated downward. Once lowered by approx. 30-40° the entire lower cowl assembly can be lifted up and to aircraft Right without the RH side inlet ducts binding against the intercooler or engine air filter respectively.
4. Locate coolant line path from upper port of coolant radiator, across and under Cyl #2 and Cyl#4 then up behind Cyl #4 to coolant expansion tank on top of engine.

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5. Inspect aluminum tube segment where it passes below cylinder, looking where chafing may have occurred between the tube and the engine pushrod tube. In addition, ensure that stainless steel hose clamps securing silicone coolant elbow fittings are positioned in such a way as to avoid chafing on any components.

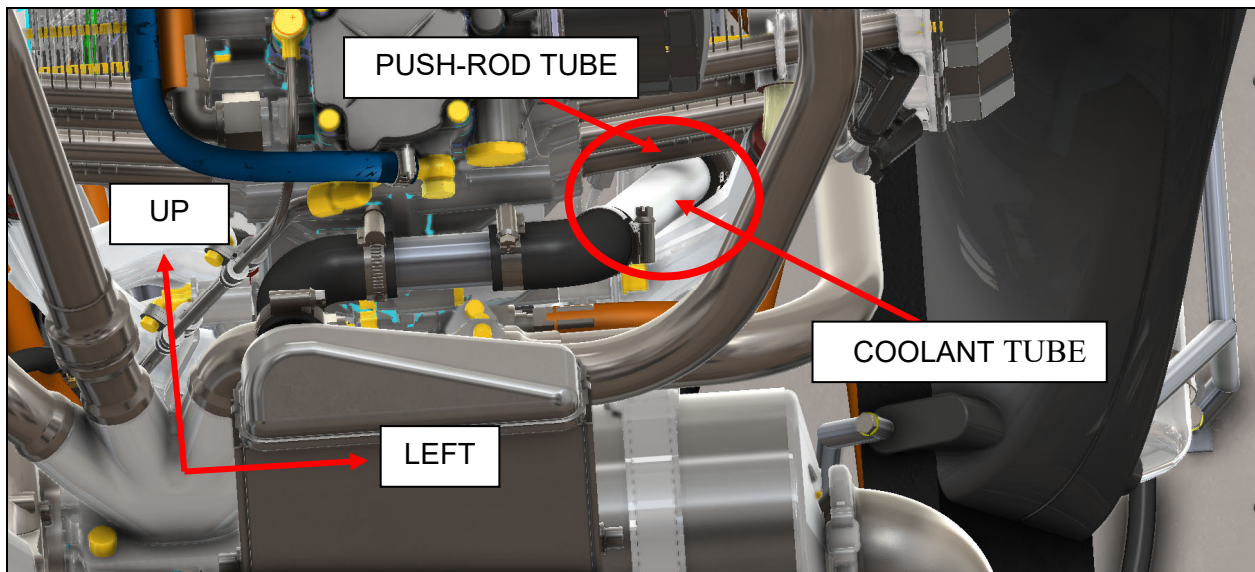


Figure 6 - COOLANT TUBE VS PUSH-ROD TUBE

6. If no chafing is evident, proceed to Step 8.
7. If chafing is evident on the coolant tube and/or on the push-rod tube sufficient to expose raw material, contact CubCrafters Customer Support. Depending on extent, the coolant tube may require replacement.

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8. Wrap the section of coolant tube in close proximity to the engine with RM1074-001 (silicone tape), then apply a generous daub of RM0013-002 (RTV), supporting the radiator as near as possible to final installed condition until the RTV is cured.

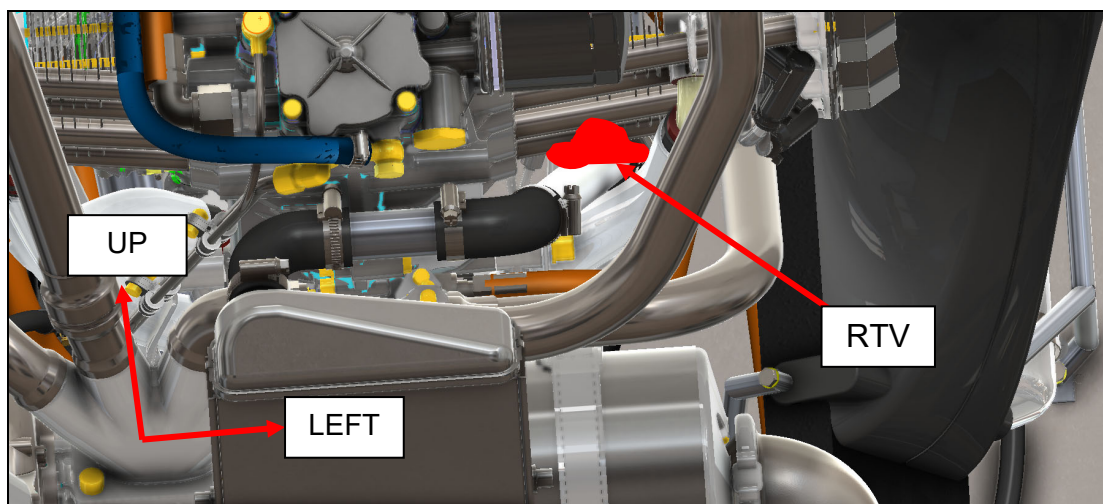


Figure 7 - RTV LOCATION

9. Reinstall engine cowling by reversing Steps 3a to 3i.
10. Make a log book entry "Complied with CK-SB010" referencing current revision.

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.