



2141 ICON Way, Vacaville, CA 95688 - Tel: 707.564.4000 – www.iconaircraft.com

SERVICE BULLETIN

SB-060217-02 REV A

DATE ISSUED: 6/2/2017
DATE EFFECTIVE: 6/2/2017
SUPERSEDES NOTICE: None
SUBJECT: Engine Wire Harness Protection
AIRCRAFT AFFECTED: **MODEL:** ICON A5
S/N: 00001, 00003 - 00020
REQUIRED ACTION: Inspect any engine wire harness for chaffing. Use F4 tape to protect any areas that are prone to chaffing or is chaffing.
TIME OF COMPLIANCE: At the next regularly scheduled inspection or within six (6) months after the effective date of this Service Bulletin, whichever occurs first.

PURPOSE:

During routine inspection of the aircraft, it was discovered that engine wire harness revealed areas prone to chaffing. The above aircraft may experience a chafing condition of the electrical harness during normal operation. A chafing condition of the electrical harness may result in electrical arcing, tripped circuit fuse, and loss of component function, example as shown in Figure 1.



Figure 1: Wire Chafe

Although there have been no customer safety or performance notifications from a damaged engine wire harness, to date, ICON Aircraft is implementing a solution to prevent possible shorting because of damage to the wire harness. This Service Bulletin provides Instructions for Continued Airworthiness. This Service Bulletin is to provide instructions on how to inspect wire harness installation and determine if a repair and/or added protection is needed which requires installation of chafing protection.



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WARRANTY:

N/A

PARTS LIST:

PART	DESCRIPTION	A5
F4TAPEBLACK	TAPE, SELF-FUSING, SILICONE, .02 IN THK, 1 IN WIDE	AR

INSTRUCTIONS:

1. Remove engine cowling per ICON maintenance manual chapter 3.4.2.
2. Inspect engine wire harness for clearance and wear contact against various locations of the wire harness on the engine. The engine wire harness must have minimum no touch clearance from any corner or sharp edge of the areas as per installed state.
3. Proceed to either condition 1 or condition 2 based on inspection findings.

Note: If inspection findings reveal neither condition addresses the condition found, contact ICON Owner Support for further instructions.

Condition 1: If inspection reveals clearance below minimum or harness is in contact with corners or sharp edges

1. Inspect concerned areas for wire harness damaged as seen in Figure 1, proceed to step 2.
2. If chaffing damage to insulation of wires is found and has not damaged the copper wires, individually wrap any damaged wire insulation using F4 tape. Then re-wrap entire bundle using F4 tape.
3. Ensure ignition leads do not touch inner cowling with a minimum clearance of .25" (inch). Cut engine zip ties and adjust/pull ignition wiring to the center of the engine and re-attach zip ties as needed.
4. Re-install engine cowling per ICON maintenance manual chapter 3.4.2.

Condition 2: Engine wire harness has adequate clearance

1. Re-install engine cowling per ICON maintenance manual chapter 3.4.2.

MAKE THE FOLLOWING LOGBOOK ENTRY:

"Service Bulletin SB-060217-02 Rev A. has been complied with and reported to ICON Aircraft Owner Support".



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If you are no longer in possession of this aircraft, please forward this information to the present owner/operator and notify ICON Aircraft, Owners Center at:

ICON Aircraft
2141 ICON Way
Vacaville, CA 95688
(855) FLY-ICON or (707) 564-4000
ownersupport@iconaircraft.com

Please include the aircraft registration number, serial number, your name, and if known the contact information of the new owner/operator.