



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

SERVICE BULLETIN

SB-060217-01 REV A

DATE ISSUED: 6/2/2017
DATE EFFECTIVE: 6/2/2017
SUPERSEDES NOTICE: None
SUBJECT: Wire Harness/Wires Protection
AIRCRAFT AFFECTED: **MODEL:** ICON A5
S/N: 00001, 00003 – 00020
REQUIRED ACTION: Inspect any wire harness/wires for chaffing. Use spiral wrap or F4 tape to protect any areas that are prone to chaffing and nicks.
TIME OF COMPLIANCE: At a scheduled maintenance period or during routine inspection.

PURPOSE:

During routine inspection of the aircraft, it was discovered that wire harness/wires revealed areas prone to chaffing or nicks. The above aircraft may experience a chafing or nicks condition of the electrical harness/wires during normal operation. A chafing/nicks condition of the electrical harness may result in electrical arcing, tripped 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.

WARRANTY:

N/A



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PARTS LIST:

PART	DESCRIPTION	A5
HT 1/2 N-100	WRAP, SPIRAL, NYLON, 1/2" OD	AR
F4TAPEBLACK	TAPE, SELF-FUSING, SILICONE, .02 IN THK, 1 IN WIDE	AR

INSTRUCTIONS:

1. It is permissible to disassemble the aircraft as required to permit accessibility, inspection, adjustment, maintenance, and repair in accordance with the latest release of the Aircraft Maintenance Manual, ICA000833.
2. Inspect wire harness or wires for clearance and wear contact against various locations in the aircraft. Look for nicks and chafing conditions.
3. Proceed to the issue based on inspection findings.

Note: If inspection findings reveal chafing or nicks condition does not addresses the issues found, contact ICON Owner Support for further instructions.

If inspection reveals chafing or nicks to the wire/wire harness:

1. Inspect concerned areas for wire/wire harness damaged like Figure 1, proceed to step 2.
2. If chaffing or nick 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, leave a minimum no touch clearance.
3. Using spiral wrap HT 1/2 N-100, wrap any portions of the wire harness that may contact corners or sharp edges of the components as required.
4. Re-assemble aircraft as per ICON maintenance manual.

MAKE THE FOLLOWING LOGBOOK ENTRY:

“Service Bulletin SB-060217-01 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.