



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

SERVICE BULLETIN

SB-082317 REV A

DATE ISSUED: 8/23/2017
DATE EFFECTIVE: 8/23/2017
SUPERSEDES NOTICE: None
SUBJECT: Starboard (STBD) Forward Bulkhead pass through for Main Wire Harness has missing Grommet
AIRCRAFT AFFECTED: **MODEL:** ICON A5
S/N: 00001,00003-00020
REQUIRED ACTION:
1) Visually inspect for STBD forward bulkhead grommet – Immediately
A) If the grommet **IS** in place – Operation of the aircraft can continue. Compliance with this Service Bulletin can be recorded as complete via inspection.
B) If the grommet is **NOT** in place - Determine if the main wiring harness is touching the STBD forward bulkhead at the pass through
I) If the main wiring harness is **NOT** touching the STBD forward bulk head at the pass through - Install grommet within 10 hours of flight time.
II) If the main wiring harness **IS** touching the STBD forward bulk head at the pass through - Visually inspect wiring harness expandable sleeving protection and underlying wiring for damage where the harness contacts the bulkhead
a. If no damage is evident – It is permissible to relocate the aircraft to the nearest maintenance facility and within the next 2 hours of operation install the grommet
b. If there **IS** damage to the protective sleeving and/or wiring – Immediately discontinue operation of the aircraft, install grommet, assess the damage and report findings to ICON CS&S for repair instructions.
TIME OF COMPLIANCE: Prior to next flight

PURPOSE:

ICON is committed to designing, manufacturing, delivering, and supporting a high quality Light Sport Aircraft, providing a level of safety well beyond expectations. During routine maintenance of the aircraft, it was discovered that the grommet was missing on the STBD forward bulkhead pass through, Figure 1. The bulkhead pass through surface caused chafing of the main wire harness causing intermittent failure

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of the fuel pump. This also caused several failures of the fuses and eventually the wires were burned, Figure 2.

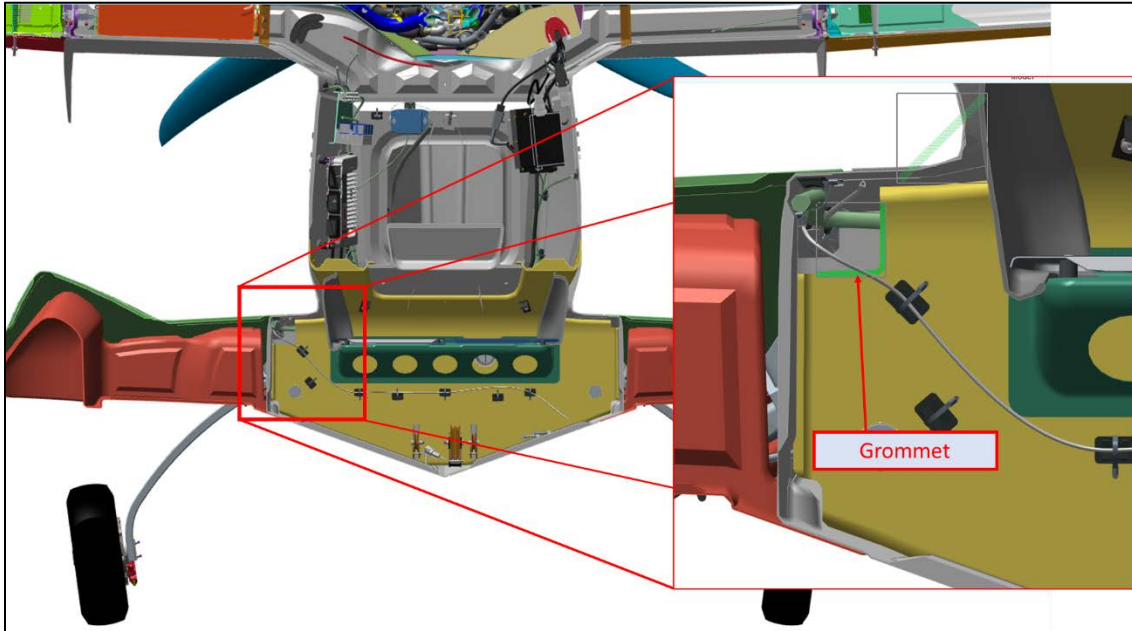


Figure 1: Grommet Placement (Green line)

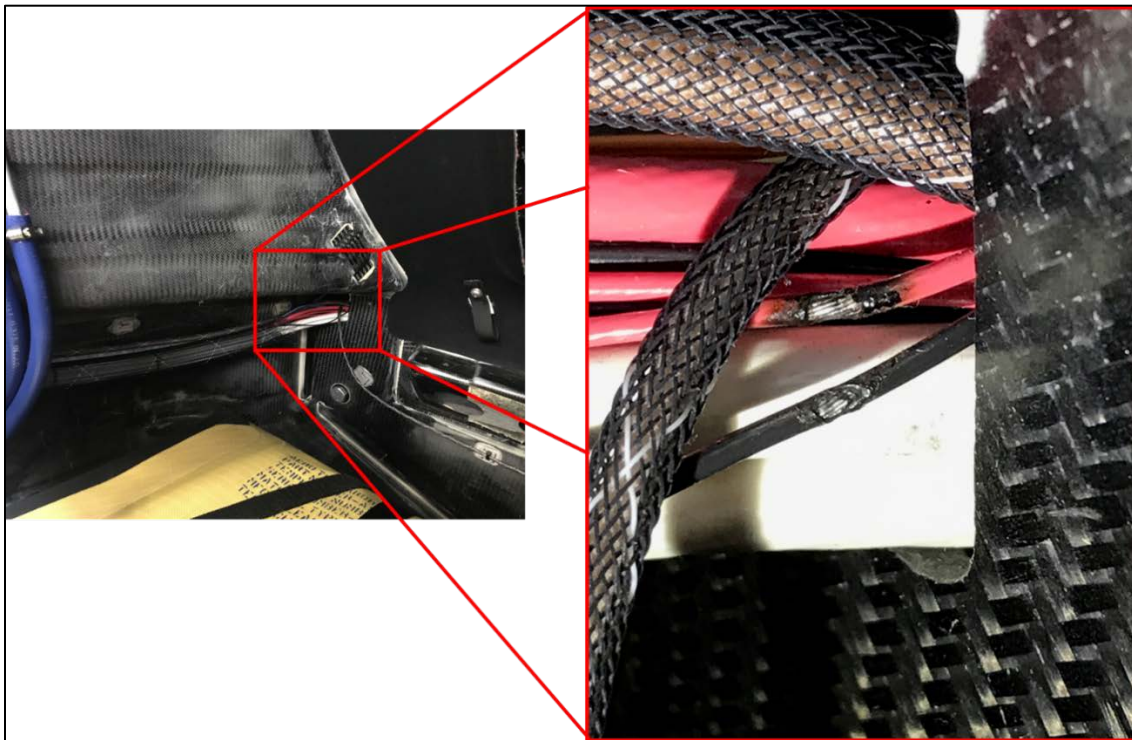


Figure 2: Burned Wires



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Although there has been only one instance of this condition causing failure to date, ICON Aircraft is implementing a solution to correct this by installing the grommet if missing and to inspect and repair wire harness chafing failures. This Service Bulletin provides instructions for Continued Airworthiness.

WARRANTY:

N/A

PARTS LIST:

PART	DESCRIPTION	QTY
MS21266-2N	GROMMET, PLASTIC, EDGING, .090X.175 (APPROX 4 INCHES)	AS REQUIRED
MS21266-3N	GROMMET, PLASTIC, EDGING, .131X.220 (APPROX 4 INCHES)	AS REQUIRED
MS21266-4N	GROMMET, PLASTIC, EDGING, .195X.325 (APPROX 4 INCHES)	AS REQUIRED
MS21266-5N	GROMMET, PLASTIC, EDGING, .260X.385 (APPROX 4 INCHES)	AS REQUIRED
CB9120V5	MOUNT, CABLE TIE ANCHOR	AS REQUIRED
TY24MX	CABLE-TIE, NYLON 6-6, 30LB, 5.50, TY-RAP	AS REQUIRED
CB200	ADHESIVE, ACRYLIC STRUCTURAL, 2 PART, CLICK BOND	AS REQUIRED
MA830	ADHESIVE, METHYLACRYLATE	AS REQUIRED

Removal Instructions:

1. 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.

Instructions to install grommet, Figure 3 & 4:

1. Bond Plastic edging grommet to FWD Bulkhead Pass Through
 - a. Wipe bonding surface with isopropyl alcohol discarding cloth after each pass
 - b. Lightly abrade bonding surface using 80-100 grit sandpaper abrade an area approx. ¼" beyond the bonding surface.

NOTE: abrade carbon surface just enough to remove surface gloss.

- c. Vacuum the area abraded to remove any remaining particulate residues
 - d. Wipe bonding surface again with isopropyl alcohol discarding cloth after each pass
2. Bond plastic edging grommet (MS21266) with CB200 or MA830 adhesive on STBD FWD bulkhead pass through as shown. Follow manufacturer's instructions for cure time.

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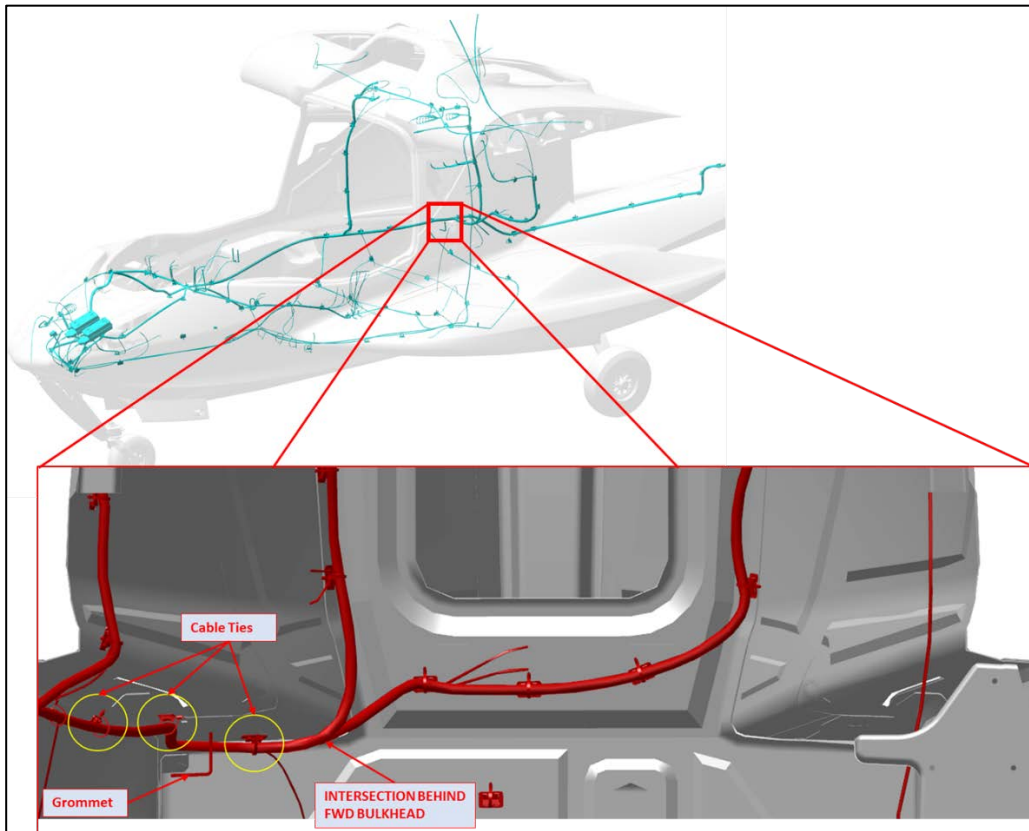
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Figure 3: Grommet Install & Ty-Rap Locations

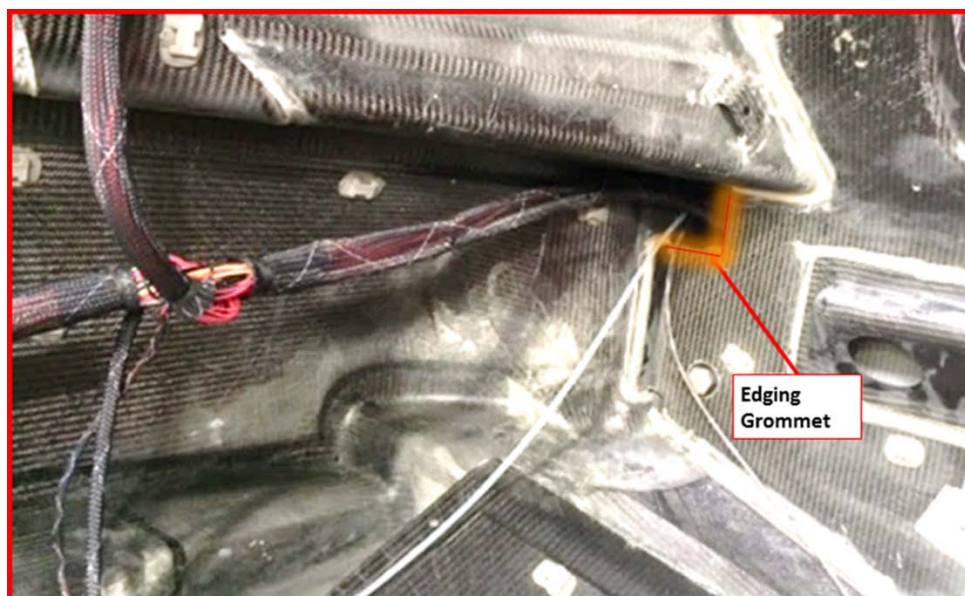


Figure 4: Grommet Install Location



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Task Specific Training:

All tasks are to be performed by an ICON Aircraft, Inc. trained mechanic with an A&P Certificate.

MAKE THE FOLLOWING LOGBOOK ENTRY:

“Service Bulletin SB-082217 Rev A has been complied with and reported to ICON Aircraft Owner Support”.

If you need assistance relocating your A5 to your home base or temporary storage arrangements, please contact ICON Aircraft and ask for Customer Service and Support.

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
support@iconaircraft.com

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

SERVICE BULLETIN APPROVAL


Bret Davenport

Compliance/CS&S Engineering

8/22/2017

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