



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

SERVICE BULLETIN

SB-041417 REV A

DATE ISSUED: 4/14/2017
DATE EFFECTIVE: 4/14/2017
SUPERSEDES NOTICE: None
SUBJECT: Loose flap interconnect rod end check nut
AIRCRAFT AFFECTED: **MODEL:** ICON A5
S/N: 00001,00003-00019
REQUIRED ACTION: Visually inspect the affected aircraft
TIME OF COMPLIANCE: 1) Within the next 10 hours of 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.

It was discovered upon preflight inspection that an aircraft flap trailing edge was not faired with centerwing trailing edge and was resting approximately ½" lower. Upon further inspection, the flap interconnect tube rod end check nut was backed off from the rod end and the flap interconnect rod could freely rotate adjusting retracted position of the flap. With the wings extended the rod could not rotate far enough for the rod end to fall off, however during trailering operations or with the wing folded the rod could be rotated enough for the rod end to fall off disconnecting the flap control system on one side.

Although there have been no customer safety or performance notifications to date, ICON Aircraft is proactively implementing an inspection to ensure continued safe operation of the flap system. This Service Bulletin is to provide instructions on how to inspect the flap interconnect rod end and determine if a repair is required.

WARRANTY:

N/A

PARTS LIST:

N/A

INSTRUCTIONS:

1. Fold each wing and remove the inboard wing inspection panel in accordance with the latest maintenance manual.
2. Using a lighted borescope through either the wing inspection panel or through the BL38 rib wing fold tube access to visually inspect for a torque stripe on the wing interconnect rod end check

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nut inside both wings. It may facilitate the inspection process to manually move the flap while using the borescope.

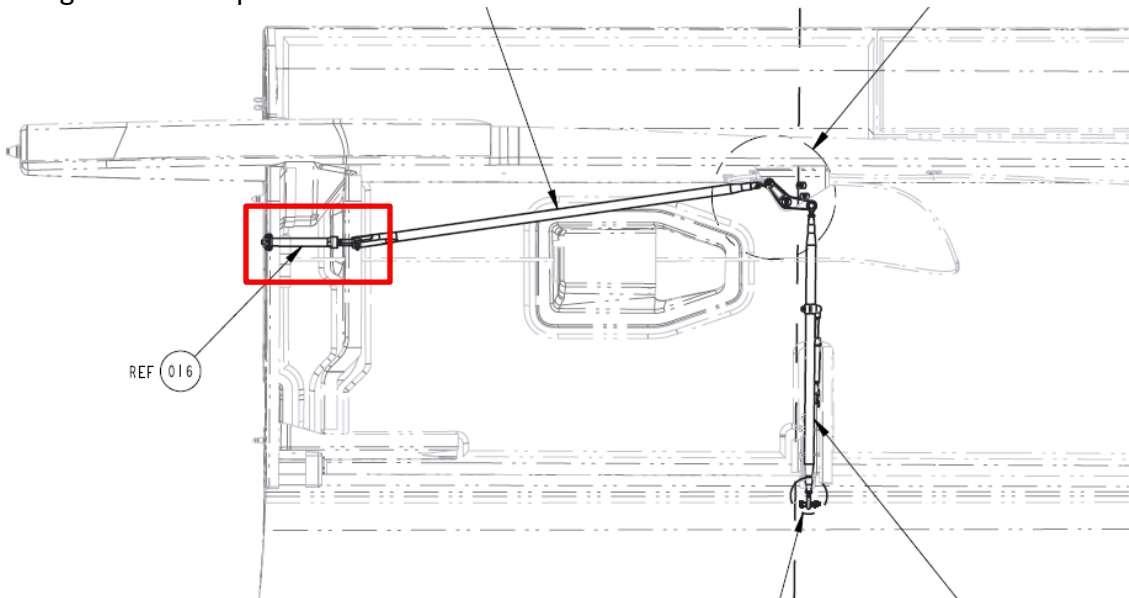


Figure 1: Flap control system (wing side only) with flap interconnect tube highlighted.

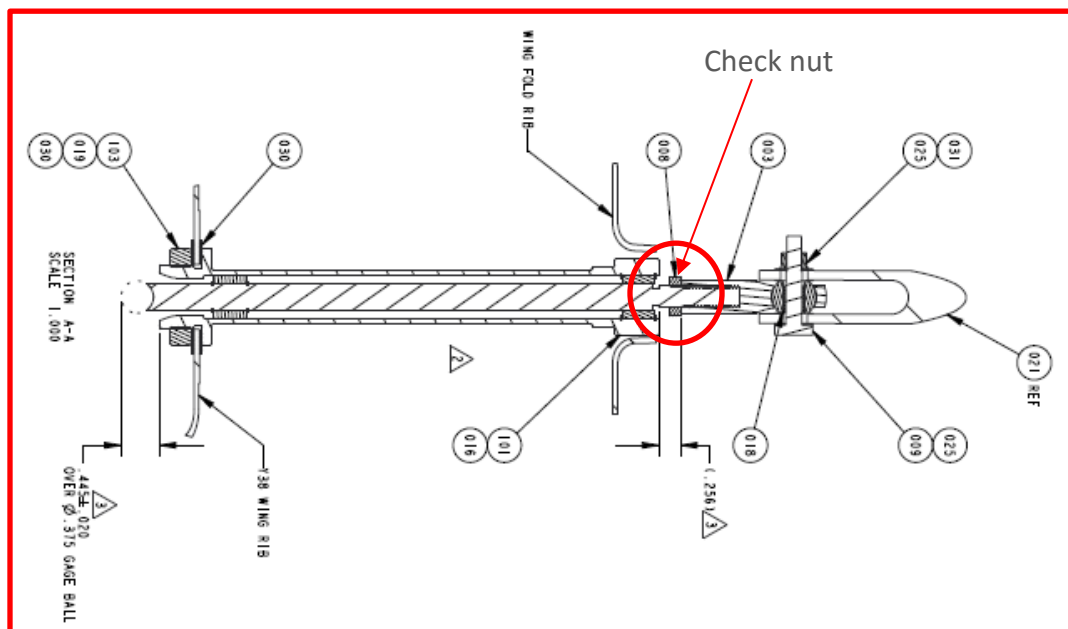


Figure 2: Flap interconnect tube with check nut called out.



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3. If a torque strip is found intact and bridges from the checknut to the rod end proceed to step 4. If no torque stripe is found the the existing torque stripe is broken, contact ICON owner support for further instructions.
4. Visually inspect the flap up stop on both wings and ensure that the flap belcrank is contacting the stop when in the up position. This can be visually inspected using a mechanic inspection mirror or by placing piece of printer paper between the belcrank and the stop, there should be noticeable force to pull the paper out if the paper falls out then the flap belcrank is NOT on the stop. If the flap stop is contacting the belcrank proceed to step 5, if not contact ICON owners support for further instructions.
5. On both wings, attempt to rotate the flap interconnect rod by hand it should move only by the amount of misalignment in the spherical rod end if it can move more than 90 deg, contact ICON aircraft owners support for further instructions.
6. If both wings pass the inspections in step 3-5, no further inspections are required with regard to this service bulletin.
7. Re-install the inboard wing inspection panel in accordance with the latest ICON aircraft maintenance manual.

MAKE THE FOLLOWING LOGBOOK ENTRY:

“Service Bulletin SB-0414 Rev A. has been complied with and reported to ICON Aircraft Owner 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
ownersupport@iconaircraft.com

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