



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

## SERVICE BULLETIN

SB-050718 REV A

**DATE ISSUED:** 5/18/2018  
**DATE EFFECTIVE:** 5/18/2018  
**SUPERSEDES NOTICE:** N/A  
**SUBJECT:** Torque verification on vertical tail forward attachment bracket and aft pitch pulley pivot bolt

**AIRCRAFT AFFECTED:** **MODEL:** ICON A5  
**S/N:** 00022-00027

**REQUIRED ACTION:** Verify correct torque on the forward horizontal tail attachment bracket and aft pitch pulley pivot bolt.

**TIME OF COMPLIANCE:** At or before the next service intervention, or regularly scheduled maintenance event, but not to exceed the next 25 hours time-in-service from the effective date above.

### PURPOSE:

ICON is committed to designing, manufacturing, delivering, and supporting a high quality Light Sport Aircraft, providing a level of safety well beyond expectations. Recently received production quality issue reports indicated that the horizontal tail attachment bracket and aft pitch pulley pivot hardware may be under torqued. Inspection of several aircraft has shown that the horizontal tail attachment hardware were slightly under torqued but clamped to the vertical tail rib. Additionally, the aft pitch pulley pivot bolt was also found slightly under torqued but clamped to the attachment bracket. Verify correct torque on the forward horizontal tail attachment bracket attachment hardware and aft pitch pulley pivot bolt.

### WARRANTY:

ICON Certified Service Providers: Please submit an invoice for warranty reimbursement for labor and parts on completion of this service bulletin. Please reference service bulletin number SB-050718.

1. 8-man hours of labor for disassembly, install of hardware, and reassembly.

### PARTS LIST:

N/A

### Instructions:

#### Special tools, fixtures, or test equipment:

N/A

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### PREPARATION:

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. Remove the air rudder, disconnect the elevator push rod from the elevator and aft pitch sector then proceed to remove the horizontal tail.

### INSTALLATION:

#### Forward horizontal tail attachment bracket verification:

1. Torque all four forward horizontal tail bracket to vertical tail attachment hardware to 25-28 in-lb as shown below in Figure 1. Prior to torquing mark all bolts then back them off by one-quarter turn, then proceed to torque them to the set value.

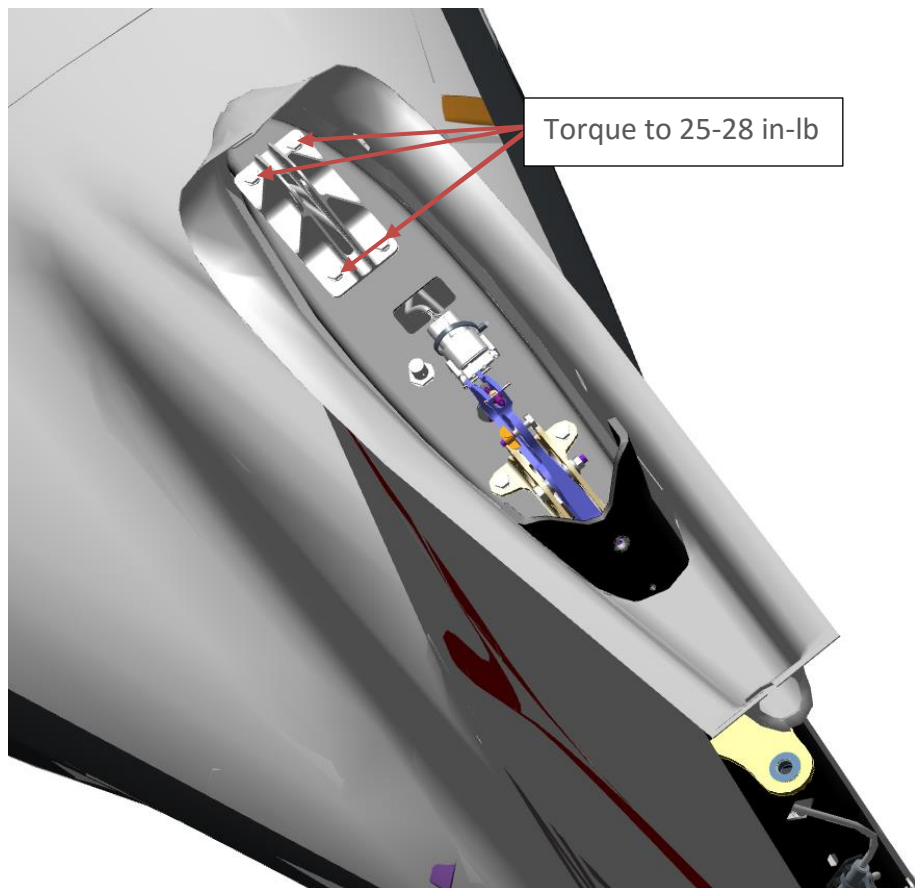


Figure 1: View of the vertical tail with the horizontal tail removed

**SERVICE BULLETIN****SB-050718 REV A****Aft pitch pulley pivot bolt torque verification:**

1. Through the right tail inspection port, torque the aft pitch pulley pivot bolt to 49-59 in-lb. Prior to torquing mark the bolt then back it off by one-quarter turn, then proceed to torque it to the set value.

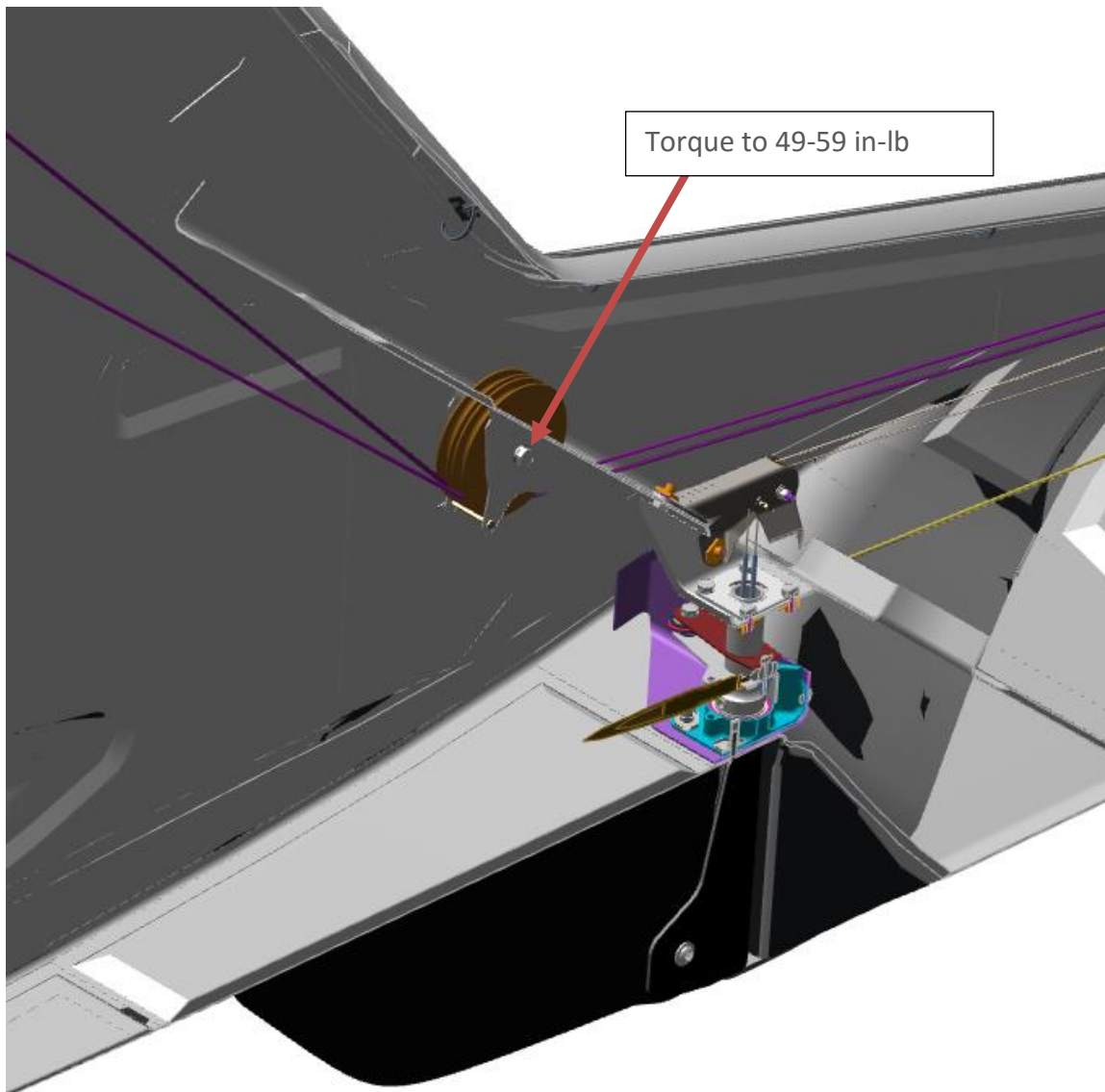


Figure 2: Aft pitch pulley pivot bolt torque

2. Re-assemble the aircraft in accordance with the latest maintenance manual.



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**VERIFICATION:**

1. Once re-assembly is complete ensure the rudder and elevator move freely throughout the range of motion.

**MAKE THE FOLLOWING LOGBOOK ENTRY:**

“Service Bulletin (insert subject bulletin number) has been complied with and is reported to ICON Aircraft Customer Support and Service”.

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](mailto:support@iconaircraft.com)

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



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## SERVICE BULLETIN APPROVAL

A handwritten signature in black ink, appearing to read "Bret Davenport".

Bret Davenport

Flight Sciences Manager

5/18/2018

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