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**NUMBER: GL-SIL001**

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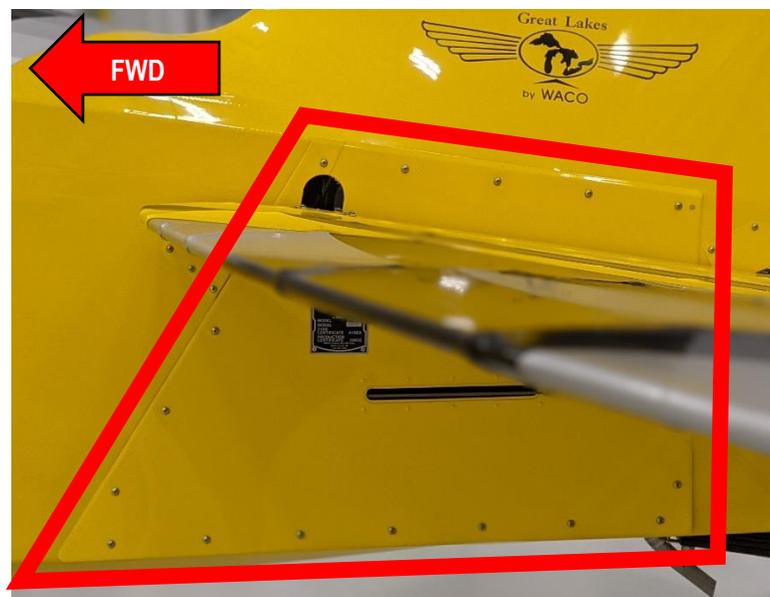
**SUBJECT: VERTICAL STABILIZER FIN FORWARD ATTACHMENT BRACKET INSPECTION**

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**EFFECTIVITY:** Great Lakes 2T-1A-2 aircraft serial number 1200 and subsequent**PURPOSE:** This service information letter provides instruction for owners/operators to perform a one-time inspection of the vertical stabilizer fin forward attachment bracket.**REFERENCE:** Great Lakes AMM – WCGL13-AMM1**DISCUSSION:** During a maintenance event on a Great Lakes 2T-1A-2 the vertical stabilizer fin forward attachment bracket was found cracked. The crack was found at the interface with the forward fin spar. This aircraft has accumulated approximately 1000 total flight hours and has been used extensively for acrobatics.**ACTION:** Owners/operators of affected aircraft are asked to visually inspect the vertical stabilizer fin forward attachment bracket on their aircraft within the following intervals:

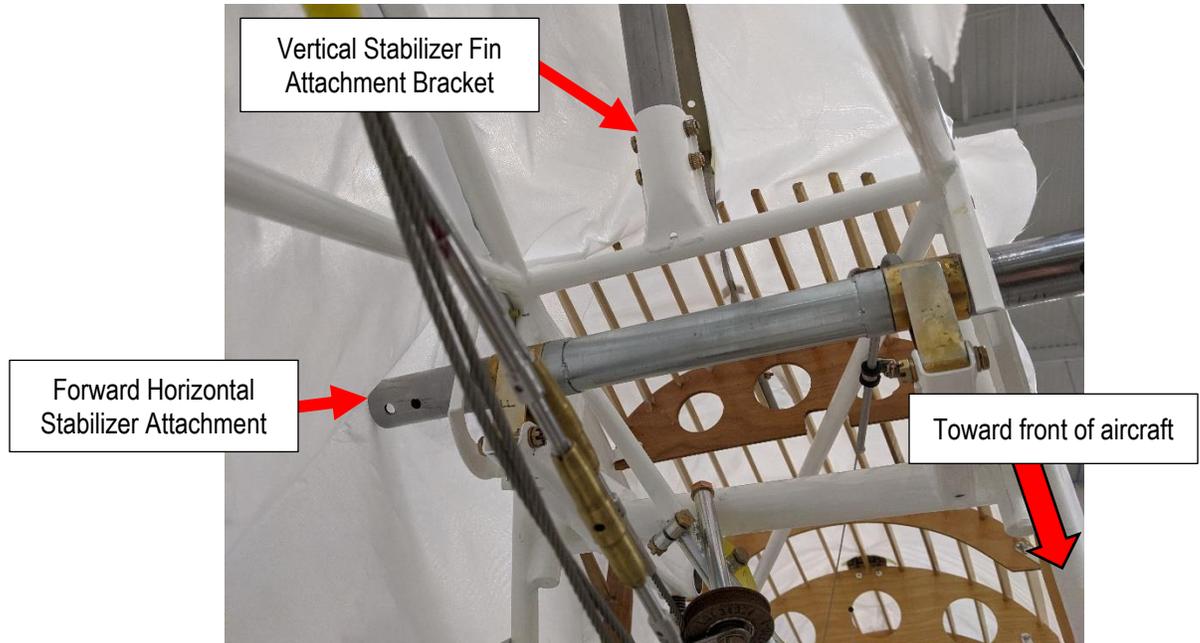
1. Before the next flight for aircraft regularly used for acrobatics.
2. Within 25 flight hours for aircraft which are not used regularly for acrobatics.

The aft fuselage inspection panels can be removed to provide full access to the bracket to perform the inspection. Refer to the following figure:



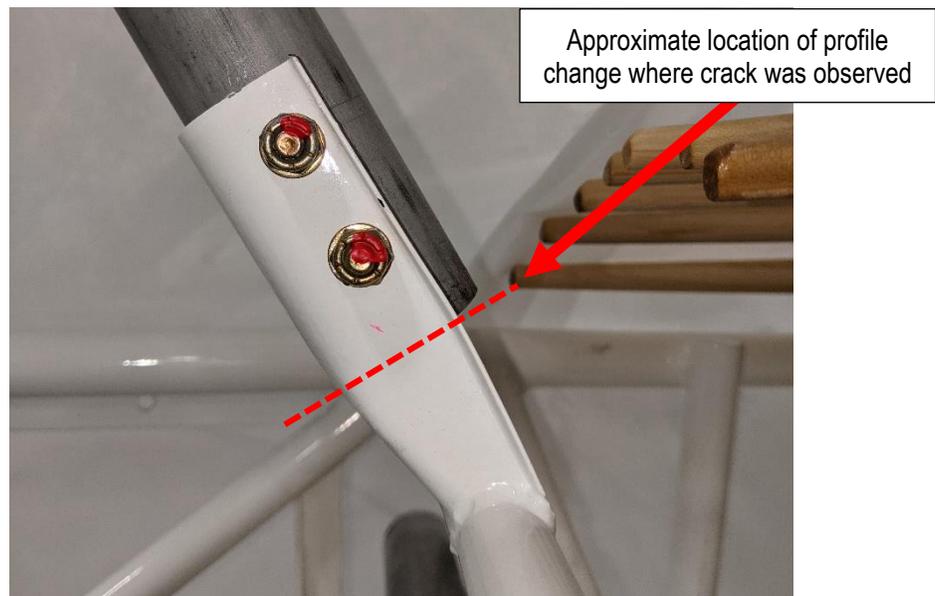
**Figure 1 – Aft Fuselage Inspection Panels**

Once the panel is removed, the visual inspection is performed by looking upward and forward where the attachment bracket can be found. The location of the attachment bracket when viewed from an open inspection panel is shown in Figure 2:



**Figure 2 – Location of Vertical Stabilizer Fin Forward Attachment Bracket**

The crack was observed along the line where the profile of the bracket changes from circular to straight as shown in the following figure:



**Figure 3 – Vertical Stabilizer Fin Forward Attachment Bracket, Side View**



Owners/operators are requested to share the results of their inspection with Waco Aircraft Corporation. The following information is requested:

1. Aircraft registration and serial number.
2. Total aircraft flight hours / cycles
3. Description of typical uses of aircraft
4. Inspection findings.
5. Photographs of the forward, aft, left, and right sides of the vertical stabilizer fin forward attachment bracket.

Please send all inspection information to the following address, referencing this SIL:

WACO Aircraft Corporation  
Attn: Engineering Manager  
15955 South Airport Road  
Battle Creek, MI 49015  
Phone: +1 269-565-1000  
Email: [flywaco@wacoaircraft.com](mailto:flywaco@wacoaircraft.com)