



**VAN'S AIRCRAFT**  
TOTAL PERFORMANCE

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## SERVICE BULLETIN 00116

**Date Released:** November 3, 2025 (R0 Initial Release)

**Date Effective:** November 25, 2025 (R1)

**Subject:** Autopilot Roll Servo Bracket Attach Rivets

**Affected Models:** RV-12 or RV-12iS with an autopilot

**Required Action:** Inspect and replace servo angle attach rivets

**Time of Compliance:** For aircraft equipped with a:

Dynon Autopilot. Inspect before further flight. If failed rivets are found replace rivets immediately. If rivets are intact replace the rivets per this service document within 25 hours.

Garmin Autopilot. Inspect at the next condition inspection or 100 hours whichever comes first. Replace the rivets per this service document or continue to inspect at annual inspection or 100 hours, whichever comes first, until the rivet replacement is complete. Note compliance with this document in the aircraft record at each continuing inspection.

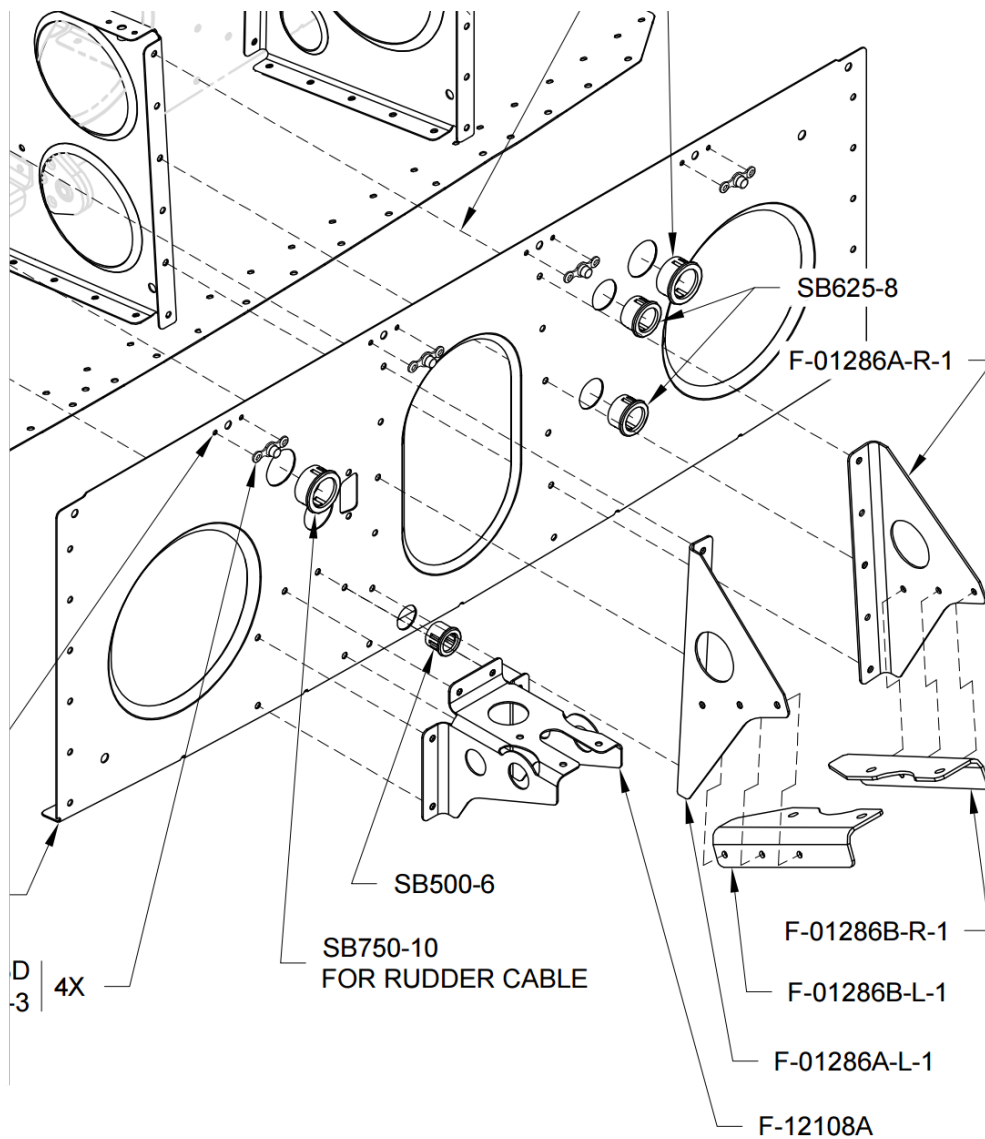
**Supersedes Notice:** None

### Labor Required / SLSA Warranty Allowance:

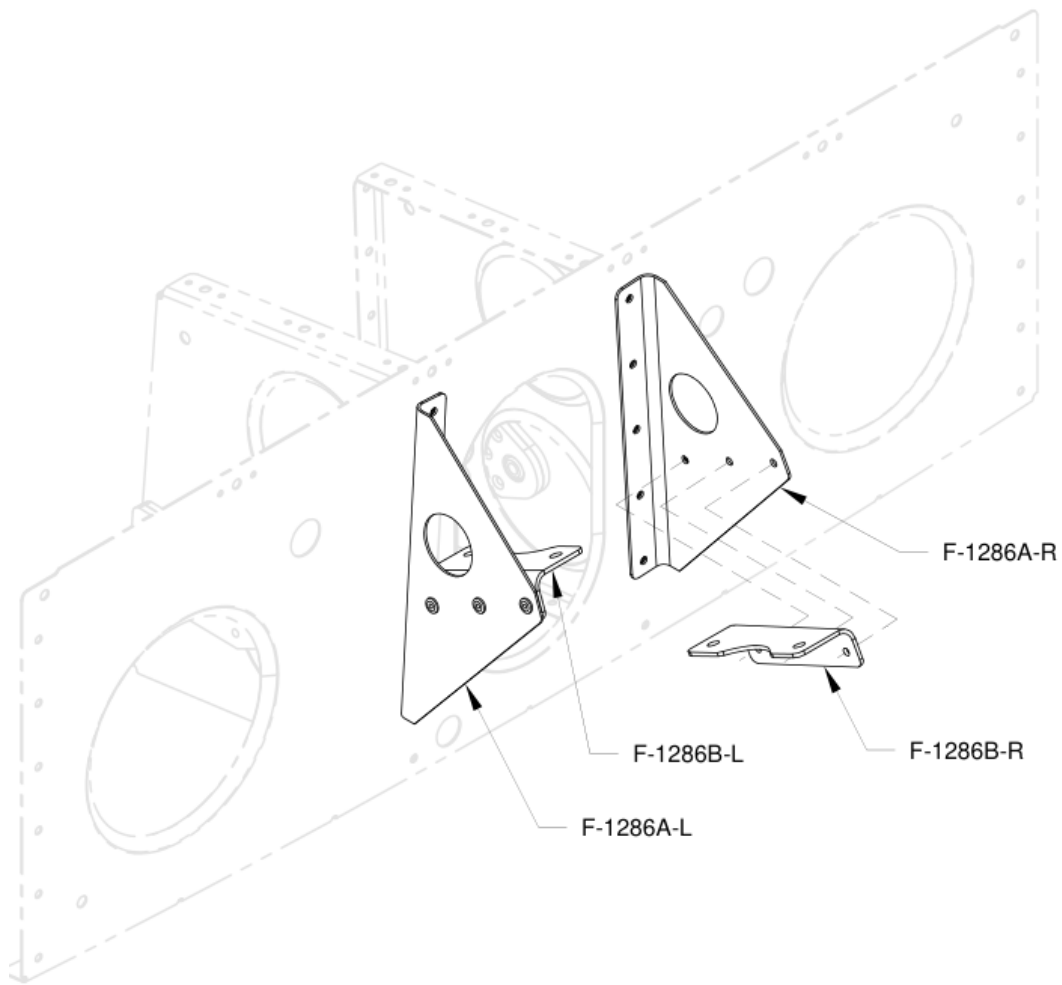
**Level of Certification:** SLSA: LSA Repairman Maintenance or A&P  
ELSA: Owner (certification not required)  
*Check the rules of the local controlling authority/agency and the operating limitations for your aircraft.*

### Synopsis:

A report from a RV-12 aircraft equipped with a Dynon autopilot indicated that rivets had failed that attach the F-1286B-L & -R Servo Angles to the F-1286A-L & -R Servo Brackets. The current attach rivets should be updated to solid rivets.



**FIGURE 1: RV-12iS SERVO ANGLE INSTALLATION**  
(SEE KAI 21iS/U)



**FIGURE 2:** RV-12 SERVO ANGLE INSTALLATION  
(SEE KAI 39)

**Materials Required:**

The following materials are required to complete the steps necessary to achieve compliance with this Service Bulletin 00116.

**Qty**

6      AN470AD4-4.5      OR      CR3213-4-02

**Method of Compliance:**

Step 1: Remove the baggage compartment cover to allow access to the tailcone.

**NOTE: Typical signs of rivet fatigue may include but not be limited to “smoking” or a power residue from the rivet fretting against the attach surface, a loose rivet or distortion in the head of the rivet.**

Step 2: Inspect the rivets that attach the F-1286B-L & -R Servo Angles to the F-1286A-L & -R Servo Brackets (for RV-12) or F-1286-B-L-1 & -R Servo Attach Angles to the F-1286A-L & -R Servo Brackets (for RV-12iS).

See Figure 1 and Figure 2 above for reference. See also KAI 39 for the RV-12 and KAI 21iS/U for the RV-12iS.

If any of the attach rivets have failed or show signs of fatigue replace the rivets using the following instructions in

If the rivets have not failed or show signs of fatigue, follow the guidance given in the time of compliance section of this service information.

**NOTE: Take special care when drilling out rivets, especially if intending to replace with CherryMAX CR3213-4-02 rivets. Refer to Section 5.4 for specific instructions on on CherryMAX Rivet installation before proceeding.**

Step 3: Drill out the six rivets that attach the servo angles to the servo brackets.

Step 4: Replace the six rivets removed in Step 3 with AN470AD4-4.5 rivets or CherryMax CR3213-4-02 rivets.

Step 5: Make a logbook entry indicating compliance with this service document per the requirements of the controlling authority/agency.

Place a copy of this notification in the back of the maintenance manual for your aircraft. Add the name and date of the service information to the Addendum Documents List at the front of the Maintenance Manual.

If you are no longer in possession of this aircraft, please forward this information to the present owner/operator and immediately notify Van's Aircraft, Inc. via email at [registrations@vansaircraft.com](mailto:registrations@vansaircraft.com). Please include the new owner's contact information and date the aircraft ownership transferred.

Information regarding establishing/transferring aircraft ownership, registration and licensing is available at: <https://www.vansaircraft.com/qr/transfer-of-ownership/>