



SERVICE BULLETIN 00067

Date Released: January 23, 2023

Date Effective: January 23, 2023

Subject: Stabilator Mass Balance Reinforcement

Affected Models: RV-12, RV-12iS

ELSA – All RV-12/12iS Empennage Kits shipped prior to December 28, 2022

SLSA - RV-12/12iS aircraft with serial numbers 12127 and earlier

Required Action: Install HS-01234-L & -R, rebalance stabilator

Time of Compliance: Within 10 hours or at the next 12-month inspection, whichever occurs first

Labor Required / SLSA Warranty Allowance: 1.5 Hours

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:

Data from the field suggests that the WD-1223 Counterbalance arm is subject to fatigue failure, which could result in the mass balance weights separating from the stabilator. Complying with this service bulletin will prevent the fatigue failures.

Materials Required:

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

- Purchase SB-00067
- Download KAI Section 11iS/U from the Van's website

Method of Compliance:

NOTE: It is possible to remove the WD-1223 Counterbalance Arm without removing the stabilator by pulling it forward through the tailcone. If using this method, ensure that a tail stand and wood or foam supports for the tailcone skins are in place before climbing into the tailcone.

Step 1: Remove the stabilator from the aircraft. Refer to KAI Section 11iS/U, RV-12 MM Section 5, or RV-12iS MM Section 5.

Step 2: Install the HS-01234-L & -R Mass Balance Straps on the outside of the R-1014 Counterbalance Weights as shown in Figure 1.

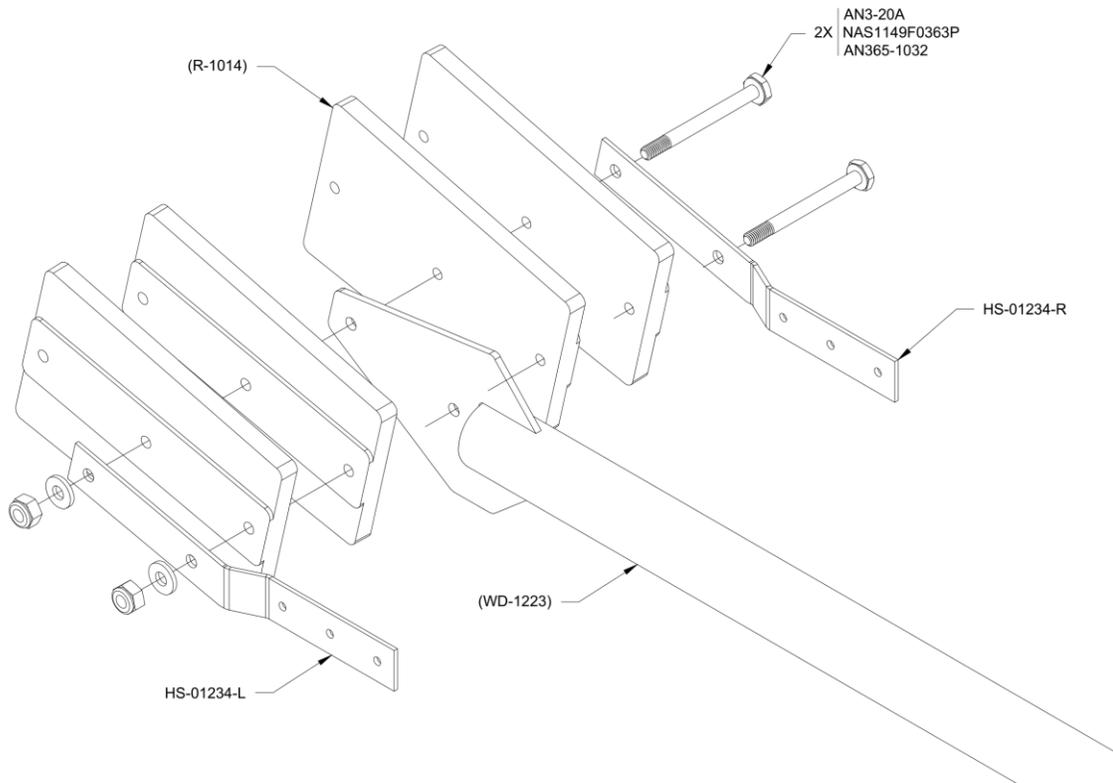


FIGURE 1: HS-01234-L/-R ASSEMBLY

Step 3: Using the HS-01234-L & -R as drill templates, match-drill #30 [3.3 mm] six holes into the WD-1223 Counterbalance arm.

Step 4: Remove the HS-01234-L & -R and deburr the holes.

Step 5: Assemble the HS-01234-L & -R, R-1014, WD-1223, then rivet the HS-01234-L & -R to the WD-1223 with CR3213-4-3 rivets as shown in Figure 2.



FIGURE 2: HS-01234-L & -R INSTALLATION

Step 6: Balance the stabilator assembly as described in KAI Section 11iS/U, page 11. If the amount of weight removed is greater than 0.5lb, recalculate the aircraft Weight and Balance and update the aircraft records.

Step 7: Reinstall the stabilator. Refer to KAI Section 11iS/U, RV-12 MM Section 5, or RV-12iS MM Section 5.

Step 8: 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.

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