

# VAN'S AIRCRAFT, INC.

14401 Keil Road NE, Aurora, Oregon, USA 97002

PHONE 503-678-6545 • FAX 503-678-6560 • www.vansaircraft.com • info@vansaircraft.com

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## SERVICE BULLETIN SB 12-08-14

**Date:** August 14, 2012

**Subject:** AN4 bolt installation, wing attach.

**Affected Models:** RV-7/7A, RV-8/8A and RV-9/9A

**Required Action:** Inspect for missing wing attach bolts.

**Time of Compliance:** Before further flight

**Synopsis:** Missing AN4-13A bolts securing the F-704G (RV-7/7A), F-804G (RV-8/8A) or F-904G (RV-9/9A) vertical bars. These bolts are to be installed during final wing installation prior to first flight. Inspections on several RVs in the field have revealed that these bolts were never installed during wing installation.

### Corrective Action:

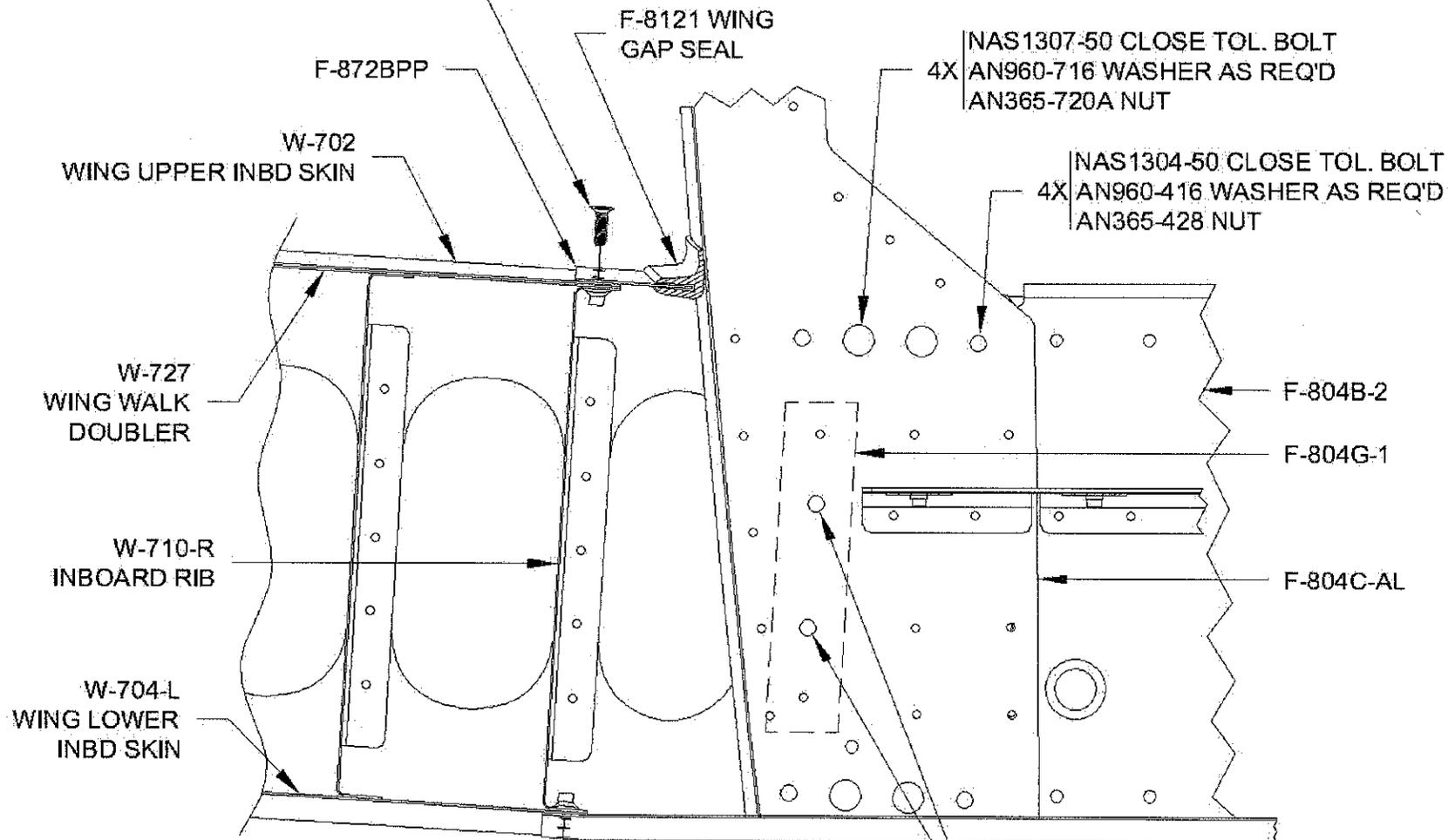
1. Remove the screws at the inboard end of each wing securing the upper, aft section of the left and right wing root fairings.
2. Remove the upper, aft section of each wing root fairing.
3. Using a flashlight and small inspection mirror, look through the aileron push-rod hole in the side of the fuselage and verify that the four AN4-13A bolts indicated in the appropriate drawing below are installed (two on each side).
4. Any other means to visually verify that these bolts are installed is acceptable. (On RV-8/8As, there may be a large enough gap between the spar and the flange of the foot-well to see that these fasteners are installed.)
5. If any of the bolts are missing, install the appropriate hardware and torque the nuts to 50-70 in.lb. (On most models, it will be necessary to remove one or more floor panels to install this hardware.)
6. Reinstall the wing root fairing.
7. Make a logbook entry indicating that this service bulletin has been complied with.

A drawing showing the location of the bolts in question is shown on the following page. This example shows the location of the bolts on an RV-8/8A. The bolt locations are very similar on the RV-7/7A and RV-9/9A. Drawing references for each model are listed below.

### Reference Drawings:

RV-7/7A, Drawing 11, rev 0  
RV-8/8A, Drawing 80, rev 1  
RV-9/9A, Drawing 16, rev 0

SEE "FWD AND AFT WING ROOT FAIRINGS"  
FOR HARDWARE CALLOUTS



AN509-8R8 SCREW  
K1100-08 NUTPLATE 11X  
USE AN426AD3-4 RIVETS TO ATTACH THE  
TEN NUTPLATES TO THE W-710-R RIB AND THE  
W-704-L OR W-804-2-R SKINS. USE AN426AD3-3.5  
RIVETS TO ATTACH THE ONE NUTPLATE (JUST  
AFT OF THE REAR SPAR) TO THE W-704-L OR  
W-804-2-R SKINS. SEE DWG 17A FOR LOCATIONS

AN4-13A BOLT  
AN960-416 WASHER  
(GOES THRU F-804C-AL,  
F-804B-2, F-804G-1, W-706C,  
W-706A-L, AND INTO NUTPLATE)

**SECTION B-B**