



SERVICE BULLETIN 00102

Date Released: June 24th, 2024
Date Effective: June 24th, 2024
Subject: Control Stick Pushrod Inspection
Affected Models: RV-12, RV-12iS
Required Action: Inspect pushrod assembly and connections
Time of Compliance: Before further flight
Supersedes Notice: None

Labor Required / SLSA Warranty Allowance: 0.25 Hours (if applicable)

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:

KAI 32 (RV-12) and KAI 32iS/U (RV-12iS) show instructions for fabricating the F-1264 Control Stick Pushrod Assembly, which requires the installation of rod-end assemblies on either end, both of which require jam nuts to secure the rod-ends in place. Van's Aircraft has recently become aware of an experimental RV-12 where it appears that the pilot's side control stick became disconnected in flight due to improper assembly of the F-1264 Control Stick Pushrod Assembly. Out of an abundance of caution this service bulletin requires an inspection of the F-1264 Control Stick Pushrod Assembly, the correct installation of jam nuts, and proper orientation of rod end fittings.

Materials Required:

None

Method of Compliance:

Step 1: Remove the F-01227-L/R-1 Covers (seat pans). See KAI 33 (RV-12) and KAI 38iS/U (RV-12iS).

As an alternate method remove the stick boot and inspect the pushrod using a camera.

Step 2: Inspect the proper assembly of the Control Stick Pushrod Assemblies per KAI 32 (RV-12) and KAI 32iS/U (RV-12iS). Figures 1-3 show the correct assembly. *The “Body” of the CM-4MS rod end must be installed into the F-1264 pushrod. Jam nuts must be present, properly torqued and marked with thread sealant on each end of the pushrod.* There must not be interference between the control system and electrical routings, fuel lines or any other system or structural member.

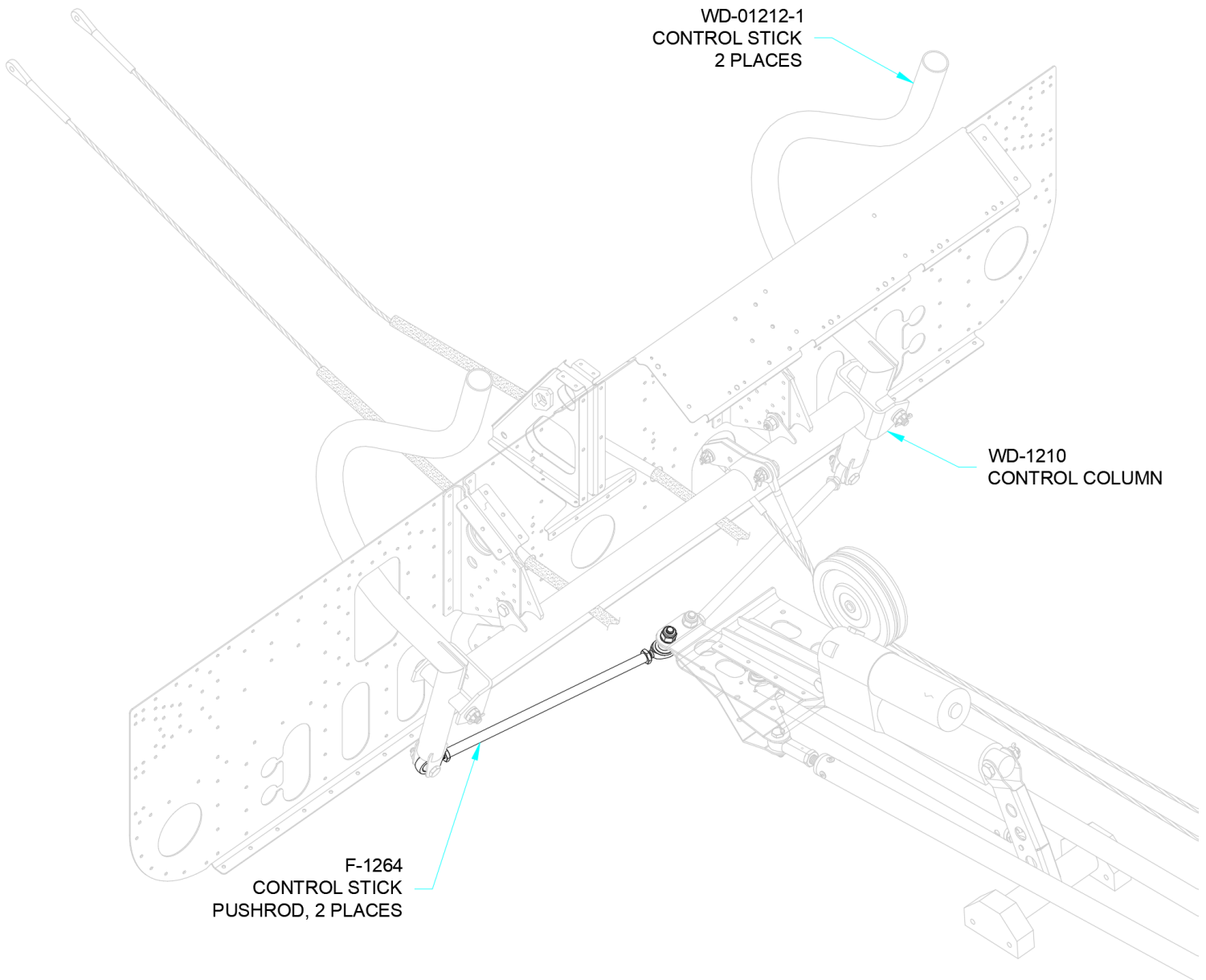


FIGURE 1: CORRECT CONTROL SYSTEM OVERVIEW

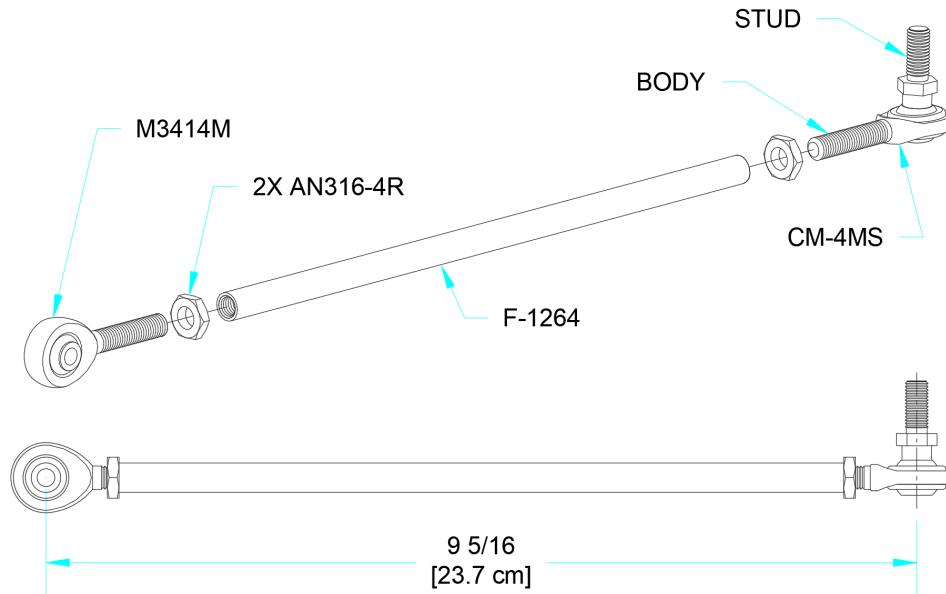


FIGURE 2: CORRECT PUSHROD ASSEMBLY

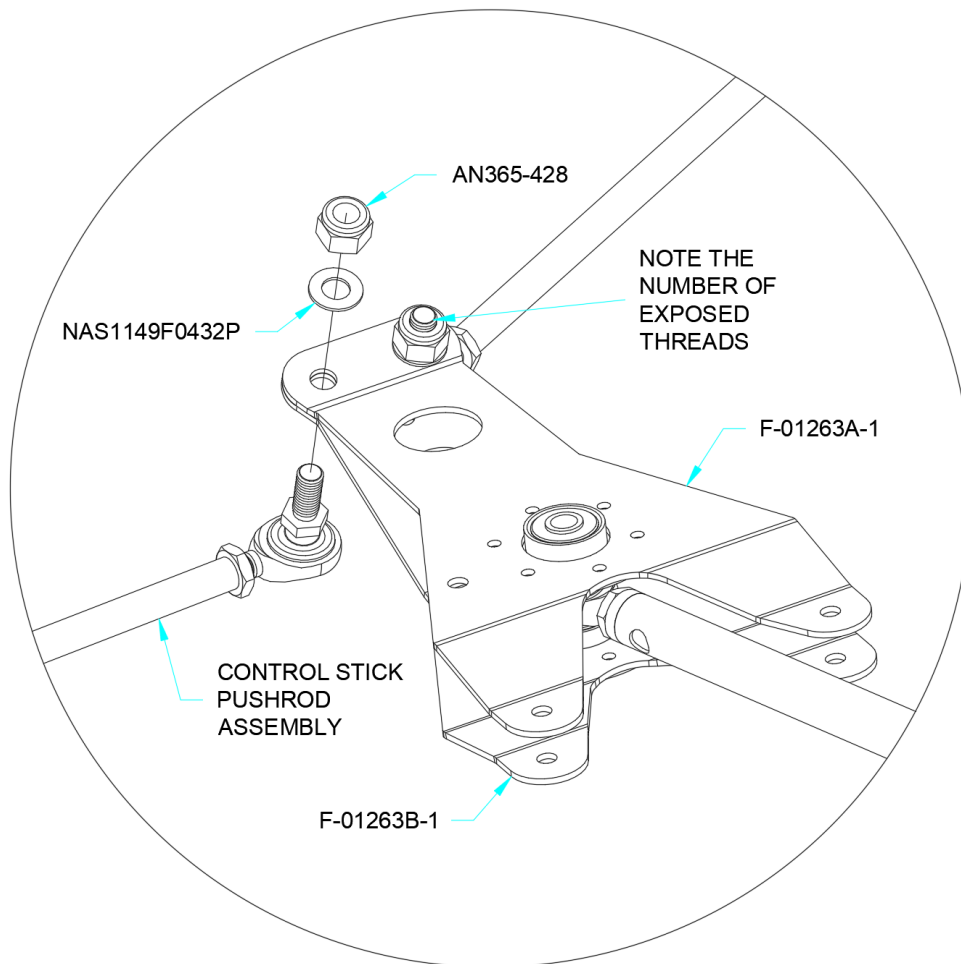


FIGURE 3: CORRECT INBOARD ATTACHMENT

Step 3: Install the F-01227-L/R-1 Covers (seat pans). See KAI 33 (RV-12) and KAI 38iS/U (RV-12iS).

Step 4: 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/>