



SERVICE LETTER 00105

Date Released:	January 7, 2025
Date Effective:	January 7, 2025
Subject:	Pitot Tube Bushing Adhesion
Affected Models:	All RV-12 and RV-12iS aircraft RV-12iS SLSA Serial Numbers 12003, 12076-12168
Required Action:	Inspect bushing for adhesion failure and replace if necessary
Time of Compliance:	At or before the next annual condition inspection
Supersedes Notice:	N/A
Labor Required:	1.5 Hours
Level of Certification:	SLSA: LSA Repairman Maintenance or A&P ELSA: Owner (certification not required) <i>Check the rules of the local controlling authority/agency and the operating limitations for your aircraft.</i>

Synopsis:

Operators of RV-12 and RV-12iS aircraft have found pitot tube bushing adhesive failures in the field. Using epoxy to adhere the bushing provides a more secure bond.

Materials Required:

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

S-1207 Pitot Bushing

You will also need to purchase West Systems 105 epoxy and 205 fast hardener, which are available various suppliers. An equivalent two-part epoxy is also acceptable.

Method of Compliance:



FIGURE 1: ADHESIVE FAILURE EXAMPLE

Step 1: Inspect the S-1207 Bushing for adhesive failure. See Figure 1. If the bushing can rotate freely (by hand) or falls out of the spinner, proceed to Step 2 otherwise skip to Step 7.

Step 2: Remove the Spinner from the aircraft. See section 47, 47iS/U or 47AiS/U.

Step 3: Remove the Bushing. If necessary, drive the bushing out from the aft side of the Spinner using a 7/16" diameter dowel. Take care not to damage the fiberglass.

Step 4: Remove any residual tank sealant or other adhesives from the Spinner. Prepare the surface of the new S-1207 Bushing and hole in the nose of the spinner with alcohol and 220 grit sandpaper.

Step 5: Following manufacturer instructions, prepare West Systems 105 epoxy and 205 fast hardener, or equivalent, and apply evenly to the bushing mating surfaces.

Step 6: Insert the Bushing into the Spinner. Remove any excess epoxy with a clean, lint-free cloth. Allow the epoxy to cure fully before re-installing the Spinner on the aircraft.

Step 7: Make a logbook entry indicating compliance with this service document per the requirements of the controlling authority/agency.

Step 8: 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. 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/gr/transfer-of-ownership/>