



## SERVICE LETTER 00069

**Date Released:** February 14, 2023

**Date Effective:** February 14, 2023

**Subject:** RV-14 Heat Muff End Fatigue Inspection and Replacement

**Affected Models:** RV-14/14A

**Required Action:** Inspect all EX-00013C Heat Muff Ends for cracking. Where applicable, submit photos/findings to Van's Aircraft.

If cracks are found, replace cracked EX-00013C Heat Muff Ends as described in this Service Letter.

If cracks are not found, reinspect at each annual condition inspection, or until all EX-00013C Heat Muff Ends have been replaced by EX-00013K & L Heat Muff Ends.

**Time of Compliance:** At or before each annual condition inspection, or until EX-00013K & L are installed

**Supersedes Notice:** Not applicable

**Labor Required:** 2.5 Hours

**Level of Certification:** Not applicable

### Synopsis:

Experience with the Van's Aircraft factory prototype RV-14 and RV-14A, as well as several reports from the field, suggests that the EX-00013C Heat Muff End may fatigue and crack over time. A cracked EX-00013C has the potential to cut into the adjacent exhaust pipe, which could result in a carbon monoxide and/or fire hazard.

### Materials Required:

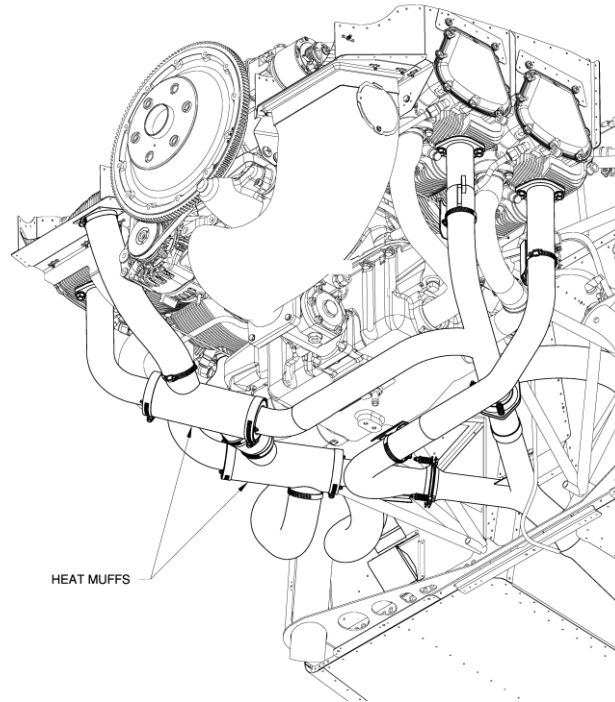
The following materials are required to achieve compliance with this Service Letter.

Purchase part number: "EX-00013K/L SET"

Each set includes two EX-00013K Heat Muff End Narrow and two EX-00013L Heat Muff End Wide, which is enough ends for one (1) heat muff. Purchase one set per heat muff needing repair.

**Method of Compliance:**

Step 1: Disassemble both heat muffers (see Figure 1).



**FIGURE 1: HEAT MUFFS**

Step 2: Inspect all eight EX-00013C Heat Muff Ends for signs of cracking.

Step 3: If cracks are found, please submit photos of the cracks, as well as photos of any damage to the exhaust pipes, to Van's Aircraft using the form linked below. Please include the number of hours in operation with the heat muff end(s).

If you do not find cracks or damage, you do not need to submit a report.

Submit your report via the mobile-friendly web form at <https://www.vansaircraft.com/rv-14-sl-00069/>, or scan the QR code below with your mobile device's camera to load the form. You may submit your report and photos using either a computer or a mobile device.



Step 4: Replace any cracked EX-00013C Heat Muff Ends with EX-00013K & L Heat Muff Ends. Refer to the current revision of RV-14 KAI Section 48 - Exhaust System (available on the Van's Aircraft website's Service Information section) and refer to the steps in that document for steps/instructions.

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).

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