

# **TOTAL PERFORMANCE VAN'S AIRCRAFT**

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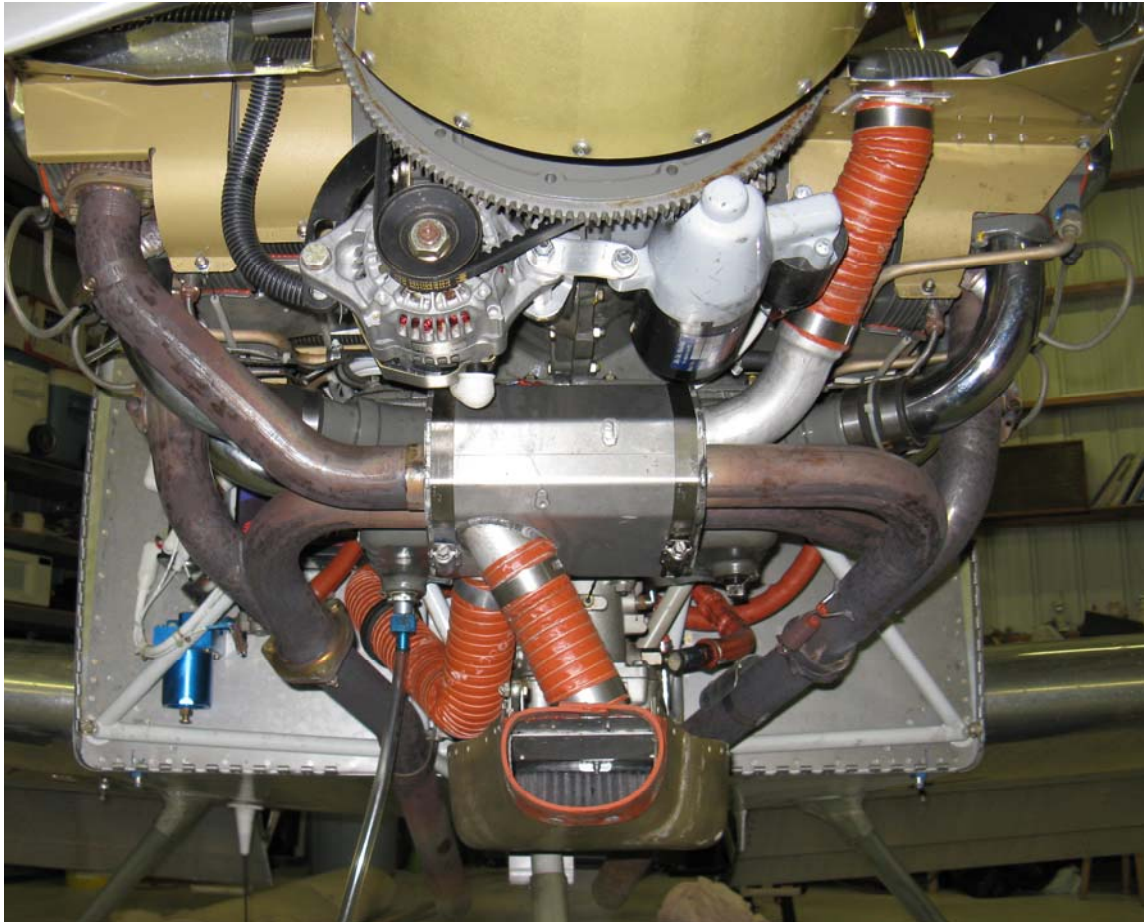
## **NOTIFICATION 14-10-24**

**Date Released:** October 24, 2014

**Date Effective:** October 24, 2014

**Subject:** Clarification of O-320/360 Exhaust System installation.

**Affected Models:** All RV-3,4,6,7,8,9 aircraft with VAN'S part # EA EXH/MUFF 320/360-1 installed. It is not applicable to other heat muff/exhaust systems supplied by Van's Aircraft. See Figure 1 below.



**FIGURE 1: EA EXH/MUFF 320/360-1 EXHAUST SYSTEM AND HEAT MUFF**

**Required Action:** Follow the instructions for installation in Section OP-54

**Time of Compliance:** Before further flight

**Synopsis:** Van's Aircraft has revised the installation instructions for the EA EXH/MUFF 320/360-1 Exhaust system. A possible safety of flight issue exists in the placement of the VENT SCREEN 3X3 in the firewall forward air system.

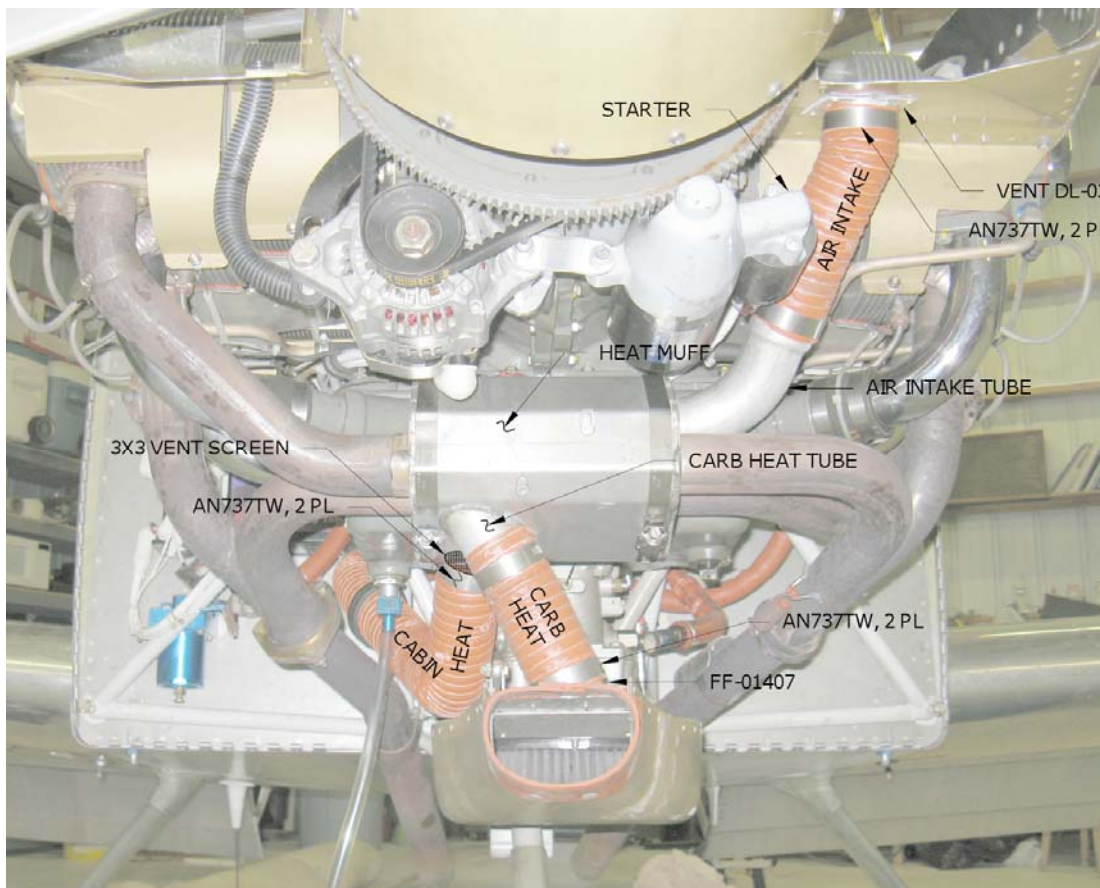
A vent screen should not be installed **upstream** of a carburetor heat system as it may obstruct airflow, hinder the ability to remove carburetor ice, and/or reduce engine performance.

A vent screen should be installed in the cabin heat outlet tube of the heat muff, downstream of the carburetor heat system, to ensure optimum performance of the carburetor heat system.

**Method of Compliance:**

In order to upgrade to the recommended configuration, install or remove screens based on the following conditions:

1. On aircraft with a carburetor heat system installed, remove the VENT SCREEN 3X3 if installed at any point upstream of airflow entering the Heat Muff.
2. On aircraft with a carburetor heat system installed, install a VENT SCREEN 3X3 onto the cabin heat outlet tube of the Heat Muff as described in OP-54. See Figure 2 below.



**FIGURE 2: 3X3 VENT SCREEN INSTALLATION**