



## **NATIONAL TRANSPORTATION SAFETY BOARD**

Office of Aviation Safety  
Western Pacific Region

April 14, 2015

# **AIRFRAME AND ENGINE EXAMINATION SUMMARY**

**WPR15LA130**

This document contains 0 embedded photos.

## **A. ACCIDENT**

Location: Green Valley, Arizona  
Date: March 21, 2015  
Aircraft: Vans RV6A  
NTSB Investigator-in-Charge: Joshua Cawthra

## **B. DETAILS OF THE INVESTIGATION**

### **1.0 Airframe/Engine Examination**

Examination of the recovered airframe and engine revealed that the engine remained attached to the firewall via all its mounts. The carburetor was intact and disassembled. All internal components of the carburetor were intact. All six spark plugs were removed and the propeller was rotated by hand. Thumb compression was obtained on all cylinders. Throttle, mixture, and carburetor heat control continuity was established from the cockpit controls to the engine. All of the engine belts were intact and undamaged. The engine was not equipped with an engine driven fuel pump.

Battery power was applied to the airframe and the left and right fuel pump would not function. The positive power wire for the right fuel pump was disconnected from a quick disconnect terminal connector, which was enclosed within a plastic tube with electrical tape on one end. The positive power wire for the left fuel pump was connected to an insulated quick-disconnect terminal. The terminal halves were partially disconnected, enough where the inner metal terminals were disconnected. No additional anomalies were found during the examination of the airframe and engine that would have precluded normal operation.

Submitted by: Joshua Cawthra