



**NATIONAL TRANSPORTATION SAFETY BOARD**

Office of Aviation Safety  
Western Pacific Region

August 20, 2010

**AIRFRAME AND ENGINE EXAMINATION**

**WPR110LA297**

## **A. ACCIDENT**

Location: Truckee, California  
Date: June 17, 2012  
Aircraft: Experimental Bernard Vans RV8 Number: N901X, Serial #: 81051  
NTSB IIC: Tealeye Cornejo

## **B. EXAMINATION PARTICIPANTS:**

Tealeye Cornejo  
Air Safety Investigator  
National Transportation Safety Board  
1515 W. 190<sup>th</sup> Street, Suite 555  
Gardena, CA 90248

## **C. SUMMARY**

Examination of the recovered airframe and engine was conducted on August 20, 2010, at the facilities of Plain Parts, Pleasant Grove, CA. No evidence of pre impact mechanical malfunction was noted during the examination of the recovered airframe and engine.

## **D. DETAILS OF THE INVESTIGATION**

The visual inspection performed by the National Transportation Safety Board (NTSB) investigator, revealed that the fuselage remained intact, but exhibited crush damage from the propeller section rearward to the empennage. The cockpit area floor and sides exhibited compression crush damage. The right main landing gear remained attached to the fuselage. The propeller assembly remained attached to the engine; however, damage was sustained to all three of the wooden propeller blades. All of the blades had separated; however, about one-third of each blade from the hub outboard remained attached. The left wing had separated from the airplane. No discrepancies were noted with the flight control, and all cables and hardware were present. The throttle mixture and propeller controls were in the forward position. A visual inspection of the engine revealed no obvious holes. The engine controls, cables, and hardware remained attached at their respective positions.

The upper spark plugs were removed to facilitate rotation of the engine crankshaft. Mechanical and valve train continuity were established. The spark plugs showed normal wear according to the Champion Aviation Check-a-plug chart AV-27.

Submitted by: Investigator