



NATIONAL TRANSPORTATION SAFETY BOARD

Office of Aviation Safety
Western Pacific Region

April 28, 2015

MAGNETO EXAMINATION

WPR14FA194

This document contains 1 embedded photo.

A. ACCIDENT

Location: Fort Huachuca, AZ
Date: 5/17/2014
Aircraft: Aero Commander, Registration #N40TC, Serial #3091
NTSB IIC: Samantha Link

B. EXAMINATION PARTICIPANTS:

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C. SUMMARY

Examination of magneto was conducted on April 28, 2015 at the facilities of the Aircraft Magneto Service located on Bainbridge Island, Washington. No anomalies were noted during the testing.

D. DETAILS OF THE INVESTIGATION

1.0 Magneto Examination

External examination of the airplane's left engine left magneto revealed no obvious anomalies. The distributor cap was removed from the magneto and no anomalies were noted with the distributor block assembly. A new distributor cap was installed onto the magneto and the magneto was installed onto a test bench.

The magneto was operated and tested up to 4,000 RPMs, and a bright spark was obtained on all ignition leads. The RPM was reduced to 100 PRMs and the spark gap was increased to 10mm; a bright spark was obtained on all ignition leads.



Figure 1: Magneto Data Tag

END.

Submitted by: Samantha Link