



NATIONAL TRANSPORTATION SAFETY BOARD

Office of Aviation Safety
Western Pacific Region

August 9, 2018

MAGNETO EXAMINATION SUMMARY

WPR18LA148

This document contains 3 embedded photos.

A. ACCIDENT

Location: Hillsboro, Oregon
Date: May 26, 2018
Aircraft: Cessna 152, N152GB
NTSB Investigator-in-Charge: Joshua Cawthra

B. DETAILS OF THE INVESTIGATION

1.0 Left Magneto

The left magneto, a Slick 4301, serial number 13050158, was intact and undamaged. When the magneto drive shaft was rotated, spark was produced on each post in a random order. The left magneto was disassembled and examined internally. The distributor gear was intact; however, the copper electrode finger was found displaced from the plastic gear assembly. The remainder of the internal components of the left magneto were unremarkable.

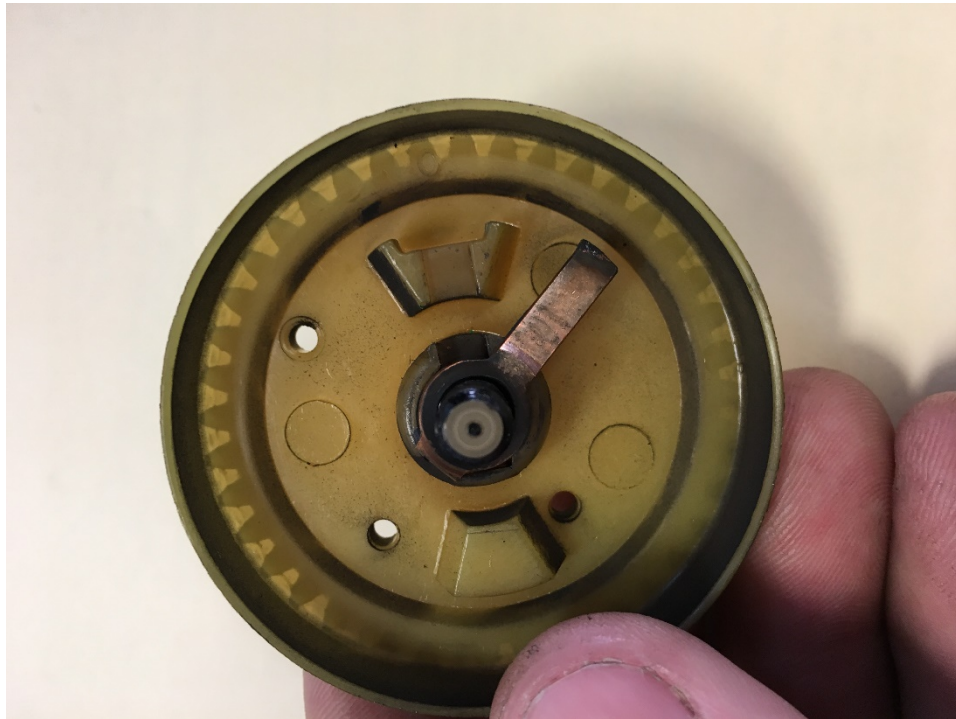


Photo 1: The left magneto distributor gear and copper electrode finger as removed.



Photo 2: The left magneto distributor gear.

2.0 Right Magneto

The right magneto, a Slick 4301, serial number 09100255, was intact and undamaged. The right magneto produced spark in firing order when the magneto drive shaft was rotated by hand. The magneto was disassembled, and all internal parts were unremarkable.



Photo 3: The right magneto distributor gear.

Submitted by: Joshua Cawthra