



NATIONAL TRANSPORTATION SAFETY BOARD

Eastern Region – Ashburn, Virginia

Summary of Magneto Examination

WHERE: M-14P, Kingman, Arizona

WHEN: December 2018

The magnetos were sent to M-14P by the owner to be examined. M-14P sent the results of the examination to the owner, who in turn, provided the NTSB with the results. This is a summary of their findings:

- Examination of the magnetos revealed that both magnetos had "bad (out of range on impedance)" secondary windings on the coil.
- The points exhibited a white powder, consistent with the capacitor in the secondary windings of each magneto failing or had failed.
- Both rotors were cracked and the pencil springs in both distributor caps were rusted.
- Damage was also noted to several of the ignition leads (left magneto had 3 faulty leads, and the right magneto had 1 faulty lead).
- An automotive ignition harness was installed. The auto ignition wire has a higher amount of resistance that the magnetos were not designed to handle.