



MEMORANDUM OF RECORD

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Region

NTSB Case Number: ERA19LA109

Service Bulletin SB1-15A excerpts:
Slick Magnetos (Champion)

Subject: Magneto models affected
4370,4371

A review of the Service Bulletin SB1-15A, revealed:

A potential decreased service life of Slick 4-cylinder magneto distributor gear assemblies. The following 4-cylinder magnetos with serial numbers between 08090001 thru 16071072, K3822 distributor block replacement kits, and K3008 distributor gear assemblies dated September 26, 2008 thru September 1, 2016: The accident airplane was equipped with, 4370 ser# 14070069 and 4371 ser# 14120958 magnetos.

A note within the Service Bulletin states:

If it is not possible to confirm the version of the distributor gear that is installed in a given magneto from maintenance records, the magneto may be removed from the engine in order to have the housing and distributor block removed to allow visual inspection of the distributor gear. Distributor gears with Copper electrodes must be replaced with distributor gears with Monel electrodes.

Background information in SB1-15A revealed:

The initial release of SB1-15 was based on a limited number of field reports and product returns, Champion Aerospace has identified a possible condition in the distributor gear assemblies of 4-cylinder magnetos that can lead to decreased service life. Some of the returned products

contained distributor gears exhibiting loosening of the electrode finger. This condition was observed in magnetos with a varying number of service hours. Typical symptoms are unusual RPM drop during magneto check, difficulty starting, and/or rough running engines. (On 2/29/2016, a entry into the maintenance logbook was entered for an "excessive rpm drop of the right magneto" during run-up.

Compliance of SB1-15A:

REMOVE affected distributor gear assembly in subject magnetos and REPLACE with replacement distributor gear assembly, K3008, as soon as possible, not to exceed the next 50 hours. Document Service Bulletin compliance as written entry in applicable Aircraft and/or Engine logbook. No entry was noted in the maintenance logbooks for compliance of this service bulletin.