

## Grant Robinson

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**From:** McConnell, DAVE P <dave.p.mcconnell@lmco.com>  
**Sent:** Monday, August 21, 2017 1:34 AM  
**To:** Grant Robinson  
**Cc:** Nakhon Avionics  
**Subject:** S-76D AHRS C/B pop due to A/C main battery

Grant

Per the request of Ron, the following is provided.

Case Number: C0067323  
Customer: Thai Aviation Services Limited  
Aircraft S/N: 761063  
Aircraft Model: S-76D  
Aircraft TT: 819  
ATA: 24  
Part Number: RG380E/60L  
Case Subject: AHRS CB044 Repetitive Pop During Start On A/C Main Battery

**Problem Description:**

Reference Case C0056526

The crews of A/C S/N 761063 reported several instances over the previous week of DC1 Ess Bus AHRS 2 circuit breaker CB044 pop during start using the A/C main battery.

This same type of discrepancy had been observed previously on D59. Case C0056526 refers.

In the D59 event troubleshooting found the A/C main battery charge at 85%. It was presumed that a low charge caused the C/B to pop.

D63's battery was capacity checked and found to be serviceable, however, based on the experience with D59, the battery was replaced with a serviceable component from TAS consignment stock.

The A/C has accumulated 21.6 hours since the battery replacement with no further AHRS C/B pop events noted.

Battery, Main  
P/N RG380E/60L  
S/N off 4068875 Component TSN 802.0  
S/N on 40843665 Component TSN 27.7

TAS requests SA engineering input as to whether larger gauge wire or a higher rated CB044 would be appropriate to prevent this problem. EoM

This email notification is provided as the case has been reviewed and does not contain technical data in the issue description.

**Problem Resolution:**

It has been determined by Sikorsky Engineering for safety and efficiency of the AHRS system that the appropriate wire gauge and circuit breaker is being used in the system.

This email notification is provided as the case has been reviewed and does not contain technical data in the resolution.

**David P. McConnell**

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