

ADVISORY WIRE

AW700-24-0252

DATE: October 22, 2008

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FROM: BOMBARDIER CUSTOMER SERVICES BUSINESS AIRCRAFT

ADVISORY WIRE

REFERENCE NO: AW700-24-0252

SUBJECT: "ELEC SYS FAULT" and or "ELEC SYS FAIL" -
Nuisance CAS Message during Power Up

EFFECTIVITY: BD700-1A10 (9002 - 9999)
BD700-1A11 (9127 - 9999)

ATA: 24-00

This Advisory Wire contains Operational and Maintenance Information

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1.0 INTRODUCTION:

This Advisory Wire is to inform operators of an intermittent condition where a nuisance advisory "ELEC SYS FAULT" and / or caution "ELEC SYS FAIL" CAS message may be posted on EICAS during power up.

2.0 DESCRIPTION:

Recent investigation findings revealed that the AC Power Center (ACPC) power A (from Secondary Power Distribution Assembly (SPDA) #2) and D (from APU BATT DIRECT BUS controlled by the Battery Master Switch) could be energized out of sequence and thereby induce "ELEC SYS FAULT" and / or "ELEC SYS FAIL" messages during the power up sequence.

3.0 ACTION:

Operators should be aware of the possibility of having nuisance "ELEC SYS FAULT" and / or "ELEC SYS FAIL" CAS messages on power up and be familiar with the reset procedure.

The following reset procedure has been established in case one of the CAS messages "ELEC SYS FAULT" and / or "ELEC SYS FAIL" is posted during power up with Battery Master switch set to "ON".

The procedure consists of cycling the Battery Master Switch from "ON" to "OFF" then back "ON".

If the message(s) clear, they should be considered a nuisance and no further action is required.

If the message(s) do not clear, follow the alternate power up sequence below:

- 1) Ensure no power is applied on the Aircraft;
- 2) Connect the external AC cart;
- 3) Apply power on the aircraft by pressing the "External AC" PBA (Battery Master Switch remains in the "OFF" position);

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3.0 ACTION cont:

- 4) Ensure no "ELEC SYS FAULT" and or "ELEC SYS FAIL" message(s) are posted;
- 5) Ensure AC & DC Synoptic pages are in normal configuration;
- 6) Turn on Battery Master Switch and ensure no electrical systems messages are posted;
- 7) Ensure AC & DC Synoptic pages are in normal configuration;

If the message(s) clear, they should be considered a nuisance and no further action is required.

Following the above two reset procedures, if the CAS message "ELEC SYS FAULT" and / or "ELEC SYS FAIL" did not clear or if you are repeatedly experiencing these nuisance messages, please contact your FSR for assistance.

We will keep you informed of the root cause findings upon conclusion of the investigation.