

Advisory Wire

REFERENCE NO: AW700-34-0460, Rev 04

ATA: 34-33

EFFECTIVITY: Global Express / XRS
Global 5000
Global 5000 feat. Vision Flight Deck
Global 6000
Global 5500
Global 6500

**SUBJECT: Enhanced Vision System
Heater Controller (EVSHC)
Nuisance Fault on Power-up**

1. REFERENCES:

- 1.1 Advisory Wire [AW700-45-0393](#) Onboard Maintenance System (OMS) Nuisances
- 1.2 Advisory Wire [AW700-45-0065](#) CAIMS Nuisance Fault Messages
- 1.3 [FCOM1 01-01 \(14.C.\)](#) Circuit Breaker Reset On Ground.

2. INTRODUCTION:

- 3. This Advisory Wire (AW) is being updated to Revision 04 to modify reference 1.3. The sub section of the FCOM has been removed as it differs between aircraft models. The reference 1.3 is now more generic and refers to the Circuit Breaker Reset On Ground section.

This revision is to inform the Operators that a new troubleshooting table was added to SmartFix Plus™ in an effort to reduce the number of Enhanced Vision System Heater Controller (EVSHC) units removed because of the EVS HEAT FAIL amber CAS message.

3. DESCRIPTION:

Reliability analysis has revealed that the reason for EVSHC removal is mainly related to the EVS HEAT FAIL amber CAS message, which is often associated to a CAIMS / OMS fault EVSHC Internal code 3000117IN. This code is generated during the Power Built-In Test (PBIT) by the Label 355 bit 19 for the ARINC self-test. When removed, the vast majority of the EVSHC are declared No Fault Found (NFF) at the vendor facility. In order to prevent NFF, this condition can be reset with the EVS HEAT CTRL circuit breaker located on the ICE page of the EMS CDU. This condition has no effect on the unit's heating function. ARINC functions are still monitored by the Continuous Built-In Test (CBIT) after the PBIT completion.

The vendor's investigation revealed that the issue is not related to the hardware. In order to consider a software change Bombardier and the vendor require additional data from the field. This will help to better understand the circumstances of the faults been reported.

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4. ACTION:

Should an Operator experience an EVS HEAT FAIL CAS message during power-up when accompanied with the fault code 3000117IN in the CAIMS / OMS, a reset of the EVS HEAT CTRL circuit breaker can be carried out (Ref 1.3), and the unit can be considered serviceable once the fault has disappeared. Bombardier does not recommend removing and replacing the EVSHC if the CAS message and CAIMS/OMS fault code have disappeared following the circuit breaker reset.

In case of repetitive failure or if the reset procedure did not clear the EVS HEAT FAIL CAS message the Operators are encouraged to use the troubleshooting table available in SmartFix Plus™ under the EVS HEAT FAIL message ([EVSHC-data-fill.pdf](#)) and send it to BBA Technical Services at the following address: tech.services.global.series@aero.bombardier.com

Should you have any technical queries pertaining to this Advisory Wire, please contact your local [Field Service Representative](#) (FSR) or [Customer Response Center](#) (CRC).