

ADVISORY WIRE

AW300-30-0018

DATE: October 27, 2005**PAGE:** 1 OF 2**FROM:** BOMBARDIER BUSINESS AIRCRAFT CUSTOMER SUPPORT

ADVISORY WIRE

REFERENCE NO: AW300-30-0018**SUBJECT:** Windshield and Side Window Heater: Terminal Wire
Connection Loose**EFFECTIVITY:** BD100-1A10 (20001 TO 20003,
20005 TO 20046, 20048, 20051 & 20052)**ATA:** 30-41

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1.0 INTRODUCTION:

Operators should be aware of a possible windshield and the side window power terminal wire connections loose.

2.0 DESCRIPTION:

Three operators have reported a condition where, during the operation of the windshield heat controller, the Crew Alerting System (CAS) amber message "RH WINDSHIELD HEAT FAIL" was being displayed intermittently. Troubleshooting revealed that the windshield heater terminal ground wire was loose at the Ground Stud (GS) 2270 connection. An aircraft showed signs of arcing and the ground wire was replaced. The other cases, the GS nut was re-tightened per the Wiring Manual (WM) CH 20-11-05 and the system operated normally. In addition, Terminal Block (TB) 3 & 4 and GS 2269, 2273 and 2274 nuts have been found loose on some aircraft in production.

In order to ensure all windshield and side window heater power terminal wire connections are correctly torqued, Service Bulletin 100-30-03 will be released shortly. Transport Canada is considering issuing an Airworthiness Directive (AD) on this topic.

3.0 ACTION:

In advance of the release of the Service Bulletin, if the "RH WINDSHIELD HEAT FAIL" or "LH WINDSHIELD HEAT FAIL" or "LH WINDOW HEAT FAIL" or "RH WINDOW HEAT FAIL" CAS messages are posted, the torque of the above mentioned TB & GS should be verified per the WM 20-11-05 at operators earliest convenience.