

ADVISORY WIRE

AW700-31-0226

DATE: September 21, 2007

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FROM: BOMBARDIER CUSTOMER SERVICES BUSINESS AIRCRAFT

ADVISORY WIRE

REFERENCE NO: AW700-31-0226

SUBJECT: Display Unit (DU-870) - Ground Cooling

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

ATA: 31-61

This Advisory Wire contains Operational and Maintenance Information

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1.0 REFERENCES:

- 1.1 Honeywell Technical Newsletter (TNL) [A23-2249-003](#), Preventing Overheating of the DU-870 (available on the CIC web site within Technical Library > Service Bulletins > By Vendor > Honeywell)
- 1.2 [Customer Forum & Newsletter](#), August 1st, 2006, Vol. 3, Issue 30 - EFIS Display Unit DU-870 Overheat Versus Maintenance Practices (available on the CIC web site within Technical Library > Newsletters > Customer Forum & Newsletter > 2006)
- 1.3 [Flight Crew Operating Manual \(FCOM\), Volume 1, Chapter 04-04-3](#), Rev 55, dated Sep 14/2007 (available on the CIC web site within Technical Library > Manuals > Maintenance & Flight (for: Global))

2.0 INTRODUCTION:

This Advisory Wire is to remind Operators that, in order to maximize the reliability of the display units, proper cooling must be provided when operating under high ambient temperature conditions for extended periods of time.

3.0 DESCRIPTION:

While the aircraft is undergoing maintenance or is parked on the ramp under high ambient temperature with electrical power selected ON, it is recommended that display unit operation be limited to 30 minutes when the flight compartment or cabin temperatures are at or above 40°C (104°F). As per Ref. 1.1 and 1.3 listed above, for continued operation under such conditions, the air conditioning packs must be operating, or forced cooled air should be distributed in the cockpit to maintain the flight compartment temperature below 30°C (86°F). If not required for maintenance, it is also recommended to turn the display units OFF, in lieu of dimming the display lighting.

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3.0 DESCRIPTION:....cont'd

These operating instructions will be added in the Aircraft Maintenance Manual applicable tasks through Temporary Revisions, scheduled for release by the end of September 2007. Display Unit operating temperature limitations has been added in the Airplane Flight Manual (Operating Limitations) Rev 55 (Global Express/Global Express XRS) and Rev 16 (Global 5000).

Following these instructions will improve the reliability and extend the life of the display unit.

4.0 ACTION:

Operators should be aware of and follow the instructions and procedures listed in the referenced documents for proper cooling of the display units during ground operation.