



No.	CF-2002-08
Issue Date	25 January 2002

# AIRWORTHINESS DIRECTIVE

The following airworthiness directive (AD) may be applicable to an aircraft which our records indicate is registered in your name. ADs are issued pursuant to **Canadian Aviation Regulation (CAR) 593**. Pursuant to **CAR 605.84** and the further details of **CAR Standard 625, Appendix H**, the continuing airworthiness of a Canadian registered aircraft is contingent upon compliance with all applicable ADs. Failure to comply with the requirements of an AD may invalidate the flight authorization of the aircraft. Alternative means of compliance shall be applied for in accordance with **CAR 605.84** and the above-referenced **Standard**.

This AD has been issued by the Continuing Airworthiness Division (AARDG), Aircraft Certification Branch, Transport Canada, Ottawa, telephone (613) 952-4357.

**Number:** CF-2002-08

**Subject:** Bombardier DHC-8 - Bonding Integrity Inspection of Fuselage Skin Panels

**Effective:** 22 February 2002

**Applicability:** Bombardier Inc. DHC-8 Model 311, serial numbers 202 to 298

**Compliance:** When indicated, unless already accomplished.

**Background:** When the NDT manual, PSM 1-83-7A was reissued at Revision 6, a number of fuselage skin panels were inadvertently removed from the text. This could result in disbonding occurring in some of these skin panels before the next bonding integrity inspection (scheduled three years after the last inspection as detailed in DHC-8 Maintenance Manual, PSM 1-83-7, Airworthiness Limitations List, Structural Inspection Task 5300/01). Failure of the bonding in the skin panels would result in a reduced load carrying capacity of the affected panels.

**Corrective Actions:** 1. Within 14 calendar days after the effective date of this directive, review the aircraft maintenance logbook or records to determine if the previous bonding integrity inspection (BII) was performed in accordance with Revision 6 of the NDT manual, PSM 1-83-7A.

2. If the BII was performed in accordance with Revision 6 of the NDT manual, inspect the skin panels listed in the table below with the following provisions:

(a) If the previous BII inspections of the skin panels listed have not indicated disbonding, then the inspections on these panels must be carried out in accordance with PSM 1-83-7A, Revision 7 within 1,000 hours air time or six months, whichever occurs first, from the effective date of this directive.

(b) If any of the skin panels listed had disbond detected during any of the previous inspections, then those panels must be inspected in accordance with PSM 1-83-7A, Revision 7 within six weeks of the effective date of this directive.

3. If the previous BII was carried out to PSM 1-83-7A, Revision 5 or Revision 7, no further action is required.

4. Once the skin panels listed in the table below have been inspected to PSM 1-83-7A, Revision 7, these panels could revert back to the normal BII program in accordance with DHC-8 Maintenance Manual, PSM 1-83-7, Airworthiness Limitations List, Structural Inspection Task Number 5300/01.

Engineering Drawing	Panel Description	PSM 1-83-7A Figure/Sheet
85330204	Skin, Right Side, Bottom	Figure 4/(Sheet 2)
85330201	Skin, Right Side	Figure 4/(Sheet 5)
85330180	Skin, Right Side, Top	Figure 4/(Sheet 6)
85330181	Skin, Left Side, Top	Figure 4/(Sheet 7)
85330106	Skin, Left Side, Bottom	Figure 4/(Sheet 14)
85330105	Skin, Left Side	Figure 4/(Sheet 15)
85330101	Skin, Left Side, Bottom	Figure 4/(Sheet 16)
85330033	Skin, Bottom	Figure 4/(Sheet 17)
85330032	Skin, Right Side, Lower	Figure 4/(Sheet 18)
85330032	Skin, Right Side, Lower with Service Door	Figure 4/(Sheet 19)
85330031	Skin, left Side, Lower	Figure 4/(Sheet 20)
85332750	Skin, Bottom, Center	Figure 4/(Sheet 25)
85332750	Skin, Bottom, Center	Figure 4/(Sheet 26)

**Authorization:** For Minister of Transport



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Chief, Continuing Airworthiness

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