



No.	CF-2005-14R1	1/2
Issue Date	8 May 2006	

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-2005-14R1
- Subject:** Inspection of Fire Bottle Connectors
- Effective:** 5 June 2006
- Revision:** Supersedes Airworthiness Directive CF-2005-14, issued 16 May 2005.
- Applicability:** Bombardier Inc. Models DHC-8-400, DHC-8-401 and DHC-8-402, Serial Numbers 4001 through 4107.
- Compliance:** Compliance is required as indicated, unless already accomplished.
- Background:** Three reports have been received of crossed connection of the electrical connectors on the forward and aft baggage compartment fire bottles. An investigation has revealed that a similar unsafe condition could also potentially exist for the auxiliary power unit (APU) and engine nacelle fire bottles. Cross-connection of the fire bottle connectors could result in the inability to control a fire in the affected area.

Revision 1 of this directive is issued to add Part B to prevent the cross-connection of connectors for forward and aft baggage compartment, APU, and engine nacelle fire bottles. Part B mandates installation and modification of lanyards, mounts and clamps to restrict movement of fire bottle connectors when disconnected.

Note: The corrective action in the original issue of this directive becomes Part A. in this revision.

Corrective Actions: **Part A. Applicable to Bombardier Inc. Models DHC-8-400, DHC-8-401 and DHC-8-402, Serial Numbers 4001 through 4105.**

1. Within 14 days after 19 May 2005 (the effective date of the original issue of this directive), carry out an inspection of the electrical connectors on the forward and aft baggage compartment, APU and engine nacelle fire bottles, in accordance with the Accomplishment Instructions of Bombardier Service Bulletin (SB) A84-26-06, dated 12 May 2005, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.
2. Correct any deficiencies before the next flight.

Note: The Bombardier Aircraft Maintenance Manual PSM 1-84-2 has been amended to clarify the instructions for connection of fire bottle electrical connectors. Temporary Revisions (TR) 26-017 through 26-027 were issued accordingly.

Pursuant to **CAR 202.51** the registered owner of a Canadian aircraft shall, within seven days, notify the Minister in writing of any change of his or her name or address.

To request a change of address, contact the **Civil Aviation Communications Centre (AARC)** at Place de Ville, Ottawa, Ontario K1A 0N8, or 1-800-305-2059, or www.tc.gc.ca/civilaviation/communications/centre/address.asp



Part B. Applicable to Bombardier Inc. Models DHC-8-400, DHC-8-401 and DHC-8-402, Serial Numbers 4001 through 4107.

Within 5000 hours air time after the effective date of this revision, install/modify lanyards, mounts and clamps to the forward and aft baggage compartment, APU and engine nacelle fire extinguishing systems by incorporating Modsum 4-109941. Bombardier Service Bulletin 84-26-07, Revision A, dated 21 February 2006, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada, provides approved instructions for incorporating Modsum 4-109941.

Previous incorporation of Modsum 4-109941, in accordance with the Accomplishment Instructions in the original issue of Bombardier Service Bulletin 84-26-07, dated 15 June 2005, meets the requirements of this part (Part B of this directive).

Authorization: For Minister of Transport

B. Goyaniuk
Chief, Continuing Airworthiness

Contact: Mr. Richard Topham, Continuing Airworthiness, Ottawa, telephone 613 952-4428, facsimile 613 996-9178 or e-mail tophamr@tc.gc.ca or any Transport Canada Centre.