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5014-A591 (AARDGF)

2 November 2009

RDIMS #5340245  
PTS #20090039

Mr. John Deruchie  
Manager, Airworthiness  
Bombardier Inc.  
123 Garratt Boulevard  
Downsview, Ontario M3K 1Y5

**Subject: Bombardier Aerospace Requests for Alternate Means of Compliance to  
Transport Canada Airworthiness Directive, CF-2009-11 for DHC-8 Series  
400 Aircraft – Alleviation Number AARDG-2009/A47**

Reference: BA letter, CA-84-32, dated 28 October 2009

Dear Mr. Deruchie:

In the above reference, Bombardier Aerospace is requesting for alternate means of compliance (AMOC) to Transport Canada Airworthiness Directive (AD) CF-2009-11, Part A.2 which requires the main landing gear (MLG) stabilizer brace, part number (P/N) 46401-7 be inspected at a repetitive interval of 2,000 landings. This request has been reviewed and an AMOC has been granted to AD CF-2009-11, Part A.2 based on test data presented to Transport Canada. Alleviation No. AARDG 2009/A47 applies.

This letter authorizes that the repetitive inspection requirements of AD CF-2009-11, Part A.2 be extended and the life limit for the rework be removed in accordance with the following provision:

1. For stabilizer braces (P/N 46401-7) that have not had any required rework done and have had the MLG downlock actuator, P/N 46600-9 or 46600-11 installed before the next required inspection.

Perform the next inspection using eddy current method and all required action(s) in accordance with Bombardier Repair Drawing (RD) 8/4-32-099/Goodrich Service Concession Request (SCR) 026-09 at or before the next applicable inspection interval as required by AD CF-2009-11. Subsequent repeat inspections can be extended to every 6,000 landings.

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2. For stabilizer braces (P/N 46401-7) that have been reworked in accordance with Goodrich SCR 026-09, Section D and have had the MLG downlock actuator, P/N 46600-9 or 46600-11 installed before the next required inspection.

Perform the next inspection using eddy current inspection method and all required action(s) in accordance with Bombardier RD 8/4-32-099/SCR 026-09 at or before the next applicable inspection interval as required by AD CF-2009-11. The life limit of 2700 landings for the rework is no longer applicable. Subsequent repeat inspections can be extended to every 6,000 landings.

3. For stabilizer braces (P/N 46401-7) that have been reworked in accordance with Goodrich SCR 026-09, Section C and have had the MLG downlock actuator, P/N 46600-9 or 46600-11 installed before the next required inspection.

Perform the next inspection using eddy current inspection method and all required action(s) in accordance with Bombardier RD 8/4-32-099/SCR 026-09 at or before the next applicable inspection interval as per AD CF-2009-11. The life limit of 2700 landings for the rework is no longer applicable. Subsequent repeat inspections can be extended to every 3,000 landings.

This AMOC applies to Bombardier DHC-8 Series 400 aircraft that are currently on Canadian registry. For non-Canadian registered aircraft, approval must be obtained from the governing regulatory authority of the State of Registry.

If you have any questions on this letter, please contact Anthony Wan at (613) 952-4410 or email [Anthony.wan@tc.gc.ca](mailto:Anthony.wan@tc.gc.ca).

Yours truly,



Derek Ferguson  
Chief, Continuing Airworthiness