



Transport
Canada

Transports
Canada

Canada

No. CF-83-35

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.

CF-83-35 DE HAVILLAND

Applies to all de Havilland Aircraft of Canada Limited model DHC-5 Buffalo aeroplanes.

Compliance is required as indicated.

Stress corrosion cracking of the flying control rods has occurred which could result in failure of the rods.

To ensure the continuing integrity of the flying control rods accomplish the following inspections and modifications, unless already accomplished, in accordance with the de Havilland Service Bulletin No. 5/268, Revision D, dated April 16, 1982, or later revision approved by the Director, Airworthiness Branch, Transport Canada.

1. For aircraft with original equipment (2024-T3) control rods as identified in column 1 of the table below,
 - (a) accomplish inspection of the rods initially within 30 days from the effective date of this Directive and subsequently at intervals not exceeding 3 months;
 - (b) incorporate de Havilland Modification No. 5/1577 (Inspection of Magnaformed Flight Control Rods and Sleeve Installation) within 6 months from the effective date of this Directive. Subsequent inspections are to be accomplished at intervals not exceeding 6 months.
2. For aircraft with retrofit control rods made from 2024-T3 material and incorporating Mod. 5/1577 sleeves, as identified in Column 2 of the table below, accomplish inspection of the rods initially within 30 days from the effective date of this Directive and subsequently at intervals not exceeding 6 months.
3. For aircraft with original equipment control rods incorporating de Havilland Modification 5/1295 (i.e. rod material 2024-T81) as identified in Column 3 of the table below,
 - (a) accomplish inspection of the rods initially within 30 days from the effective date of this Directive, and subsequently at intervals not exceeding 6 months;
 - (b) incorporate de Havilland Modification No. 5/1577 (Inspection of Magnaformed Flight Control Rods and Sleeve Installation) within 12 months from the effective date of this Directive. Subsequent inspections must be accomplished at intervals not exceeding 12 months.
4. For aircraft with retrofit control rods incorporating de Havilland Modifications 5/1295 (i.e. rod material 2024-T81) and incorporating Mod. 5/1577 sleeves, as identified in Column 4 of the table below, accomplish inspection of the rods initially within 30 days from the effective date of this Directive, and subsequently at intervals not exceeding 12 months.

Alternate means of compliance with this Directive must be approved by the Director, Airworthiness Branch, Transport Canada.

For further information regarding this Directive contact Mr. Mark Winstanley, Airworthiness Branch, Transport Canada.

This Directive becomes effective November 30, 1983.



Documents

Document Sharing Hub

Description Column 2 Column 2 Column 3 Column 5

Original Rods Retrofit Rods Original Rods Retrofit Rods

(Pre. Mod 1295) (Pre. Mod. 1295) (Post Mod. 1295) (Post Mod. 1295)

(Pre. Mod 1577) (Post Mod. 1577) (Pre. Mod. 1577) (Post Mod. 1577)

(2024-T3) (2024-T3) (2024-T81) (2024-T81)

Elevatorfin C5C 131341 C5Z 19141 C5C 131343 C5Z 19143

C5C 131371 (New)

Elevator fwd. fuse C5C 1111271 C5Z 19151 C5C 1111273 C5Z 19153

C5C 1111521 (New)

Spoilerouter wing C5C 1221291 C5Z 19161 C5C 1221293 C5Z 19163

C5C 1221711 (New)

Spoilerouter wing C5C 1221311 C5Z 19171 C5C 1221313 C5Z 19173

C5C 1221721 (New)

Elevator trimT/P C5C 134351 C5Z 19391 C5C 134353 C5Z 19393

C5C 134451 (New)

Elevator trimElev. C5C 1354911 C5Z 19401 C5C 135493 C5Z 19403

C5C 135531 (New)

Elevator spring tabElev. C5C 135511 C5Z 19411 C5C 135513 C5Z 19413

C5C 135541 (New)

Aileronfwd. fuse C5C 1111181, 2 CSZ 19421, 2 C5C 1111183, 4 C5Z 19423, 4

C5C 1111531, 2 (New)

Rudderfwd. fuse C5C 1111201 C5Z 19431 C5C 1111203 C5C 19433

C5C 1111541 (New)

Rudderfwd. fuse C5C 1111211 C5Z 19441 C5C 1111213 C5Z 19443

C5C 1111551 (New)

Rudder/Aileronouter wing C5C 1221451 C5Z 19471 C5C 1221453 C5Z 19473

C5C 1221761 (New)

Aileronouter wing C5C 1221481 C5Z 19481 C5C 1221483 C5Z 19483

C5C 1221731 (New)

Ailerongear tab C5W 125741, 3 C5Z 19491, 3 C5W 125745, 7 CSZ 19495, 7