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No. CF-83-29R1

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-83-29R1 DE HAVILLAND

Revision 1 corrects certain part numbers to agree with changes made by the manufacturer after the original Directive was issued.

Applies to de Havilland Aircraft of Canada Dash 7 Aircraft, Serial Numbers 3 through 27, where fitted with one or more Wing Fuel Tank Cover, Part Number 75710059-007 through -014 (inner) or 75711708-003 through -006 (middle).

Compliance is required as indicated.

Cases have occurred of the breakdown of the adhesive bond between the skin and honeycomb core of Fuel Tank Covers on wing upper surfaces. These Covers carry structural loads and bond failure renders them unserviceable.

To detect unserviceable panels accomplish the following:

1. Within 10 flying hours from the effective date of this Directive, unless already accomplished within the last 490 flying hours, and thereafter at intervals not exceeding 500 flying hours, inspect the left and right hand Tank Covers, Part Numbers 75710059-007 through -014 (inner) and 75711708-003 through -006 (middle) for breakdown of internal bonding by either:

using a calibrated portable ultrasonic tester over the entire upper surface of each cover; or

(B) using a coin test on the upper surface of each cover. A coin test is the detection of unbonded areas by the change in audible response when the surface is systematically tapped all over with the edge of a coin.

NOTE: Either test (A) or (B) may be accomplished with covers installed on the aircraft.

2. Remove unserviceable covers before further flight and replace by either:

(A) a serviceable cover of the same part number, in which case, repeat the inspection of Paragraph 1) at intervals not exceeding each 500 flying hours; or

(B) Covers 7Z4106-001 and -002 (inner) (DHC Modification 7/2377) and 7Z4097-001 and -002 (middle) (DHC Modification 7/2378). When covers to both these part numbers are installed at all relevant locations, the 500 hour repeat inspections are no longer required;

(C) covers 7Z4096-001 and -002 (inner) (introduced by de Havilland Internal Engineering Order) and 7Z4097-001 and -002 (middle) (DHC Modification 7/2378). When covers to both these part numbers are installed at all relevant locations, the 500 hour repeat inspections are no longer required.

De Havilland Service Bulletin No. 7-57-17, Revision "A", dated April, 1984, relates to this subject.

Alternative methods of compliance with this Directive may be used if approved by the Director, Airworthiness Branch, Transport Canada, Ottawa, Ontario, K1A 0N8.



Documents

Document Sharing Hub

This Directive becomes effective July 30, 1984.

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 <http://www.tc.gc.ca/civilaviation/communications/centre/address.asp>.

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