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No. CF-92-15

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-92-15 DOUGLAS

Applies to all Douglas DC3 and R4D series aircraft, including all military versions.

Compliance is required as indicated.

On 11 May 1987, at Pickle Lake, Ontario, a DC3 accident occurred due to an inflight wing separation. Transport Canada subsequently mandated the incorporation of wing skin doublers at Wing Stations 94 and 127. McDonnell Douglas subsequently revised the wing skin doubler design and inspection procedure, and the Federal Aviation Administration (FAA) now has mandated these revised requirements.

To maintain the integrity of the wing structure, accomplish the following:

A. Incorporate access holes in accordance with McDonnell Douglas Service Rework Drawing (SRD) SR03548001 Revision A, dated 7 March 1989, if visibility or access does not permit inspection in accordance with McDonnell Douglas Service Rework Drawing (SRD) SR03578001, dated 11 March 1988, or SR03578002 Revision A, dated 26 September 1988, as applicable.

B. For aircraft not incorporating wing skin doublers at both Wing Stations 94.250 and 127.750 in accordance with McDonnell Douglas Service Bulletin (SB) 229 (any revision) or 263 (any revision up to Revision 8), or McDonnell Douglas SRD SR03578003 dated 6 April 1988, accomplish the following:

1. Before the next flight, inspect the wings in accordance with the visual and radiographic procedure specified in SRD SR03578001 or SR03578002 Revision A, and then incorporate wing skin doublers at both Wing Stations 94.250 and 127.750, in accordance with SRD SR03578003.

2. Between 1900 and 2000 flight hours after compliance with paragraph B.1 of this directive, repeat the inspections specified in paragraph B.1 of this directive. Thereafter, repeat the visual inspections specified in SRD SR03578001 or SR03578002 Revision A, as applicable, at intervals not to exceed 2000 flight hours.

C. For aircraft incorporating wing skin doublers at both Wing Stations 94.250 and 127.750 in accordance with SB 229 or 263 or SRD SR03578003, accomplish the following:

1. For aircraft inspected fewer than two times since 11 May 1987 in accordance with FAA Airworthiness Directive (AD) 691504 or SRD SR03578001 or SR03578002 Revision A, as applicable, inspect the wings in accordance with the visual and radiographic procedure two times at 2000hour intervals from 11 May 1987, in accordance with one of the above mentioned inspection documents, except that the second inspection must be in accordance with SRD SR03578001 or SR03578002 Revision A, as applicable.

2. For aircraft inspected two or more times since 11 May 1987 in accordance with the inspection specified in paragraph C.1 of this directive, repeat the visual inspections specified in SRD SR03578001 or SR03578002 Revision A, as applicable, at intervals not to exceed 2000 flight hours.

Alternative means of compliance with the requirements of this directive may be used only if approved by the Director, Airworthiness Branch, Transport Canada, Ottawa. Any application should be made to the appropriate regional office.

This directive supersedes Airworthiness Directive CF8706 issued 5 June 1987 and FAA AD 920615.



Documents

Document Sharing Hub

This directive becomes effective 3 July 1992.

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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