



Transport
Canada

Transports
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Canada

No. CF-94-25R1

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-94-25R1 DE HAVILLAND

Applies to:

- (i) de Havilland Inc. DHC-8 aircraft, Models 102, 103, 106, 301, 311, 314 and 315, serial numbers 003 through 381; and
- (ii) All DHC-8 retrofit kits listed in de Havilland Service Bulletin 8-21-68 specified below.

Compliance is required as follows:

- (a) For the affected DHC-8 aircraft, within 12 months after 1 February 1995, or as indicated in part I.D of de Havilland Service Bulletins 8-25-89 through 8-25-93, whichever occurs later, unless already accomplished;
- (b) For the affected retrofit kits, within 12 months after 1 February 1995 or prior to installation on an aircraft, whichever occurs sooner; and
- (c) For the loose black insulation material, within 60 days after 1 February 1995.

Operators have reported corrosion forming on areas of the aircraft structure where black film thermal insulation blankets are being used. De Havilland's investigation found that the black film, which covers these insulation blankets, contains carbon. If condensation is present, corrosion may occur in places where the black film is in contact with aluminium structure.

Black film thermal insulation blankets installed during production must be removed in accordance with de Havilland Service Bulletins 8-21-66, 8-25-89, 8-25-90, 8-25-91, 8-25-92 and 8-25-93. However, these service bulletins, mandated by separate Airworthiness Directives, do not refer to black film insulation blankets introduced through the installation of retrofit kits.

To verify that no black film insulation blankets remain installed in the aircraft, and to ensure that none will be installed in the future, accomplish the following in accordance with Part III, Accomplishment Instructions, of de Havilland Service Bulletin (SB) 8-21-68 dated 20 July 1994, or later revisions approved by the Director, Airworthiness Branch, Transport Canada, Ottawa:

1. Determine from modification records whether any of the retrofit kits listed in the above-mentioned SB 8-21-68 have been installed in the affected aircraft. If any of these kits have been installed, inspect the affected aircraft for the presence of black film insulation blankets. Remove any black film insulation and inspect for corrosion all structure that was in contact with it. Replace all black film insulation blankets with AN4C Aluminized (silver) film insulation blankets.
2. Inspect all in-stock retrofit kits, having kit numbers listed in the above-mentioned SB 8-21-68, for black film insulation. Remove any black film insulation found and replace it with AN4C Aluminized (silver) film insulation.
3. Purge stocks of any black film insulation raw material (part number 82120252-001 with black Orcon film cover AN46B/AN36B) to prevent its installation on an aircraft.

Installation of insulation material covered with black Orcon film AN46B/AN36B is prohibited on the DHC-8



Documents

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aircraft.

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 revision supersedes Airworthiness Directive CF-94-25 which became effective on 1 February 1995.

This directive becomes effective 14 August 1995.

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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