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No. CF-91-24

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-91-24 CANADAIR

Applies to Canadair CL-600 aircraft as indicated:

CL-600-1A11 (CL-600) all serial numbers;

CL-600-2A12 (CL-601) all serial numbers; and

CL-600-2B16 (CL-601-3A) serial numbers 5001 to 5049, inclusive.

Compliance is required as indicated.

Disconnection and subsequent reconnection of the engine fire extinguishing wiring harnesses of all aircraft listed above and the engine fire detection and warning harnesses on CL-601 and CL-601-3A aircraft may lead to inadvertent cross-connections of these harnesses. This could result in a fire bottle being discharged into the wrong engine, or no fire warning being annunciated in the event of an engine fire detection.

To prevent the possibility of these harnesses being cross-connected, accomplish the following:

A. Within 5 calendar days from the effective date of this directive, unless already accomplished, perform the following special checks:

- 1) On CL-600-1A11 aircraft, perform an engine fire extinguishing system check in accordance with paragraph 2.A of the Canadair Service Bulletin No. A600-0581, dated 8 September 1989, or later revisions approved by the Director, Airworthiness Branch, Transport Canada, Ottawa.
- 2) On CL-600-2A12 and applicable CL-600-2B16 aircraft, perform an engine fire extinguishing system and an engine fire detection and warning system check in accordance with paragraph 2.A of the Canadair Service Bulletin No. A601-0309, dated 8 September 1989, or later revisions approved by the Director, Airworthiness Branch, Transport Canada, Ottawa.

B. Within 120 calendar days from the effective date of this directive or the next time the fire bottles are removed from the aircraft, whichever occurs first, trim the affected wiring harnesses to minimum required length and install clamping to eliminate the possibility of inadvertent cross connections in the engine fire extinguishing system, as follows:

- 1) On CL-600-1A11 aircraft, modify the engine fire extinguishing wiring harnesses and perform a functional test in accordance with paragraphs 2.B and 2.C of the Canadair service bulletin noted in paragraph A.1, above.
- 2) On CL-600-2A12 and applicable CL-600-2B16 aircraft, modify the engine fire extinguishing wiring harnesses and perform a functional test in accordance with paragraphs 2.B and 2.C of the Canadair service bulletin noted in paragraph A.2, above.

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 becomes effective 30 August 1991.

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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