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No. CF-93-02R1

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-93-02R1 CANADAIR

Applies to all Canadair Model CL-600-2B19 "Regional Jet" Series 100 aircraft, serial numbers as indicated.

Compliance is required as indicated, unless already accomplished.

There have been instances where the passenger door has frozen shut during flight and could not be opened after landing. If not corrected this condition could impair rapid egress of passengers in the event of an emergency.

To ensure that the passenger door can be opened reliably, accomplish the following:

1. Applies to aircraft serial numbers 7004 through 7028.

Before further flight or within 3 calendar days of previous compliance, and thereafter at intervals of 3 calendar days until the action in paragraph 5 (b) is accomplished:

Apply de-icing agent to the passenger door outer handle in accordance with the Accomplishment Instructions, Part A - Passenger Door, of Bombardier Inc., Canadair Alert Service Bulletin A601R-52-002, Revision C, dated 1 December 1993, or later revisions approved by the Director, Airworthiness Branch, Transport Canada, Ottawa.

2. Applies to aircraft serial numbers 7004 through 7006 and 7008 through 7010.

Within 3 calendar days from the effective date of this directive and thereafter at intervals of 300 flight hours until the actions in paragraphs 5 (a) and 5 (c) are accomplished:

Repack the passenger door latch-pin fittings with grease in accordance with Bombardier Inc., Canadair Service Bulletin 601R-52-007 Revision B, dated 1 December 1993, or later revisions approved by the Director, Airworthiness Branch, Transport Canada, Ottawa.

3. Applies to aircraft serial numbers 7004 through 7006 and 7008 through 7010.

Within 3 calendar days from the effective date of this directive:

Deactivate the passenger door pull-out handle, located on the outside of the passenger door, in accordance with Bombardier Inc., Canadair Alert Service Bulletin A601R-52-008 Revision B, dated 1 December 1993, or later revisions approved by the Director, Airworthiness Branch, Transport Canada, Ottawa.

4. Applies to aircraft serial numbers 7004 through 7019.

Within fourteen calendar days from the effective date of this directive:

Install insulation in the passenger door in accordance with Bombardier Inc., Canadair Service Bulletin 601R-52-006 Revision B, dated 1 December 1993, or later revisions approved by the Director, Airworthiness Branch, Transport Canada, Ottawa.

5. Within 60 calendar days or 600 flight hours, whichever occurs first, from the effective date of this

directive:

- (a) Applies to aircraft serial numbers 7004 through 7024.

Modify the passenger door latch pin fittings, install grease retainers and nipples and grease the latch pins in accordance with the Accomplishment Instructions, paragraph 2A and Part "A" of paragraph 2B, of Bombardier Inc., Canadair Alert Service Bulletin A601R-52-009 Revision B, dated 1 December 1993, or later revisions approved by the Director, Airworthiness Branch, Transport Canada, Ottawa.

- (b) Applies to aircraft serial numbers 7004 through 7028.

Modify the passenger door outer handle in accordance with Bombardier Inc., Canadair Alert Service Bulletin A601R-52-021 Revision A, dated 7 December 1993, or later revisions approved by the Director, Airworthiness Branch, Transport Canada, Ottawa.

Note: The repetitive application of de-icing agent MIL-A-8243 Type I or II, in accordance with paragraph 1 above must be discontinued on aircraft that have this modification incorporated.

- (c) Applies to aircraft serial numbers 7004 through 7024.

Install placards adjacent to the passenger door latch pins in accordance with Bombardier Inc., Canadair Service Bulletin 601R-11-007, dated 1 December 1993, or later revisions approved by the Director, Airworthiness Branch, Transport Canada, Ottawa.

6. Applies to aircraft serial number 7003 and subsequent.

Following incorporation of the modifications detailed in paragraph 5 above apply lubrication periodically as follows:

- (a) Lubricate the passenger door latch pins at intervals of 300 flight hours in accordance with the Accomplishment Instructions, paragraph 2B, Part "A", items (26) to (28) of Bombardier Inc., Canadair Alert Service Bulletin A601R-52-009 Revision B, dated 1 December 1993, or later revisions approved by the Director, Airworthiness Branch, Transport Canada, Ottawa.

- (b) Lubricate the passenger door outer handle assembly at intervals of 300 flight hours in accordance with the Accomplishment Instructions, paragraph 2B, item (28) of Bombardier Inc., Canadair Alert Service Bulletin A601R-52-021 Revision A, dated 7 December 1993, or later revisions approved by the Director, Airworthiness Branch, Transport Canada, Ottawa.

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-93-02 issued 30 January 1993.

This directive becomes effective 6 May 1994.

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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