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No. CF-95-14R1

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-95-14R1 CANADAIR

Applies to Canadair Model CL600-2B19 "Regional Jet" Series 100 aircraft, serial numbers 7003 through 7134, inclusive.

Compliance is required as indicated, unless already accomplished.

There have been reports of aileron flutter damper shear pin failure on two aircraft. The failed pins had sheared off and migrated out, causing damage to the aileron hinge fittings. Airworthiness Directive (AD) CF-95-14 required, as an interim corrective action, removal of the aileron flutter dampers, pending development of a permanent fix of the problem. This revision is issued to require installation of newly designed aileron flutter dampers and improved shear pins.

To restore the aileron assembly to its type approval configuration, accomplish the following:

A. Before further flight after receipt of this directive, advise the flight crew that the daily inspection of the aileron in accordance with the Airplane Flight Manual (AFM) RJ/45-2 remains in effect. This inspection may be discontinued when the requirement of paragraph C of this directive has been accomplished.

B. For aircraft serial numbers 7003 through 7079, accomplish the following in accordance with Canadair Alert Service Bulletin A601R-27-058, Revision A dated 8 September 1995, or later revisions approved by the Director, Aircraft Certification, Transport Canada, Ottawa:

1. Referring to Part A of the alert service bulletin, visually inspect all aileron flutter damper shear pins and aileron hinge fittings for damage. The inspection shall be accomplished according to the following schedule:

(a) For aircraft serial numbers 7003 through 7054:

- Within 7 calendar days or at the next scheduled shear pin replacement after 10 September 1995, the effective date of AD CF-95-14, whichever comes first.

(b) For aircraft serial numbers 7055 through 7079:

- Within 400 hours flight time or at the next scheduled shear pin replacement after 10 September 1995, the effective date of AD CF-95-14, whichever comes first.

2. Referring to Part B of the alert service bulletin, remove the aileron flutter dampers according to the following schedule, dependent on the results of the inspection of paragraph B.1 above:

(a) Before further flight, if any shear pins are found damaged.

(b) If no damaged shear pin is found:

(i) For aircraft serial numbers 7003 through 7054:

- Within 400 hours flight time or at the next scheduled shear pin replacement after the inspection, whichever comes first.

(ii) For aircraft serial numbers 7055 through 7079:

- No later than the next scheduled shear pin replacement after the inspection. The inspection of paragraph B.1 above must be repeated at intervals of 400 hours flight time, if necessary, until the aileron flutter dampers are removed.

3. Before further flight following the inspection of paragraph B.1 above, repair any damaged hinge fitting (s) in accordance with Part C of the alert service bulletin.

Note 1: Shear pin replacement per maintenance program document CSP-A-051 is not required after flutter dampers have been removed.

Note 2: One ferry flight may be permissible prior to removal of the aileron flutter dampers per B.2(a) above and prior to repair of any damaged aileron hinge fittings per B.3 above.

C. Within the next 18 months after the effective date of this directive, install the new aileron flutter dampers (P/N 601R75142-7), pivots and new shear link assemblies (with new shear pins, P/N 601R10179-1, incorporated) in accordance with Canadair Service Bulletin 601R-27-065, dated 16 September 1996, or later revisions approved by the Director, Aircraft Certification, Transport Canada, Ottawa.

Compliance with the requirement of paragraph C above constitutes terminating action to this directive.

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

This revision supersedes Airworthiness Directive CF-95-14 issued 11 September 1995.

This directive becomes effective 30 December 1996.

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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