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No. CF-82-09

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-82-09 CANADAIR

Applies to Canadair CL-44D4, CL-44J and CC-106 (Cargo only) aircraft.

Compliance is required as indicated unless already accomplished.

To minimize the hazard due to possible cracks in the main landing gear uplock actuator cylinder, Jarry Part Number 1451, resulting in the inability to extend the main landing gear, accomplish the following:

(a) Before 3500 hours time in service is accumulated in each main gear uplock actuator cylinder, Jarry Part Number 1451, modify the aircraft by the addition of a duplicate uplock actuator system as described in Canadair Service Bulletin CL44D-381, Issue 2, Revision A, dated February 23, 1982 or later revision approved by the Director Airworthiness, Department of Transport. Refer to Service Bulletin CL44D-381 for detail modification procedure.

In accordance with Service Bulletin CL44D-381, paragraph 7, it is permissible to install in the emergency up-lock system an actuator cylinder, Jarry Part Number 1451, which may have been removed from the primary system providing that:

- (1) The cylinder has been satisfactorily subjected to the proof pressure test of Canadair Service Information Circular No. 315-CL44D4 dated October 18, 1963 or later approved Issue.
- (2) The cylinder has been subjected to a dye penetrant inspection including the inner surface and has been found free from cracks.
- (3) Those cylinders tested and inspected satisfactorily have been re-identified to avoid confusion with new parts.
- (c) Service lives for actuator cylinders, Jarry Part Number 1451, installed in aircraft modified as described in paragraph a) above should be as follows, in accordance with Canadair Service Information Circular No. 372-CL44, Issue 2, dated February 23, 1982 or later approved Issue:
 - (1) 8000 hours total time in service in the primary uplock actuator system.
 - (2) 4500 hours total time in service in the primary uplock system if the aircraft is operated with an inoperative emergency uplock system.
 - (3) 16000 hours total combined time in service in the primary and emergency systems.
 - (4) Unrestricted service life for new actuator cylinders Jarry Part Number 1451 used exclusively in the emergency uplock system.
- (d) As described in Service Information Circular No. 407-CL44, Issue 2, dated February 23, 1982 a new cylinder, Jarry Part Number 1451-3, has been produced and can be installed in both the primary and emergency systems per Canadair Service Bulletin No. CL44-484 Issue 2 dated February 24, 1982 or later approved issue. Service life for Jarry Part Number 1451-3 or any approved equivalent installed in an aircraft modified per paragraph a) above is unrestricted in accordance with Service Information Circular 372-CL44 Issue 2 Paragraph 2.1, d) but the part should be subjected to a dye penetrant inspection at intervals not exceeding 8000 hours.



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This Directive becomes effective May 31, 1982.

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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