



Transport  
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## No. CF-69-06

### 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-69-6 AERO COMMANDER (Originally CF-Aero Commander-69-6)

Applies to Models 500, 500A, 500B, 500U, 560E, 560F, 680, 680E, 680F, 680FL, 680FL(P), 680F(P) and 680T aircraft which are or have been equipped with a magnetometer installation.

Compliance required as indicated.

(a) To prevent further wing failures pending the installation of a DOT-approved modification to reinforce the wing front spar lower cap between wing stations 120.0 left and right, accomplish the following:

(1) upon the accumulation of 30,000 hours time in service calculated in accordance with (2), replace the wing;

(2) calculate the time in service for the purpose of this directive by the following formula:

Hours time in service =  $N + 8.5S + 17T$

Where N: hours in normal transport role

S: hours in low level survey operations

T: hours in low level flight test operations.

(b) Installations of modifications defined by Canadian Aerocon Ltd., Engineering Order Number AC-6701, dated May 15, 1967, and approved for Models 560E, 560F, 680F, 680FL, 680FL(P), 680F(P) and 680T only, precludes compliance with (a) (1).

(c) When modification defined in (b) is incorporated, inspect as follows:

(1) at intervals of not more than 50 hours air time from date of incorporation of modification, visually inspect the scarf joints and the reinforcing straps between wing stations 26" and 52" left hand and right hand for signs of loose attachments, relative movement, cracks and corrosion.

Report any defects to the Regional Airworthiness Inspector.

(2) at intervals of not more than 1,000 hours air time from date of incorporation of modification, inspect the scarf joints and the reinforcing straps between wing stations 26" and 52" left hand and right hand using a non-destructive testing technique to detect cracks.

(d) The non-destructive testing technique referred to in (c) (2) must be approved by the Chief Aeronautical Engineer, Department of Transport. Approval will require submission of a written procedure defining the equipment and technique together with evidence that the procedure is capable of detecting cracks in the areas subject to inspection. Report results of the inspection accomplished with the approved technique to the Chief Aeronautical Engineer, Department of Transport, Ottawa.

This supersedes Airworthiness Directive CF-Aero Commander-68-1.

This directive becomes effective February 5, 1969.



Documents

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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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