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No. CF-82-06

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-82-06 BEECH

Applies to Beech models listed in Airworthiness Directive CF-81-35 when fitted with Aviadesign Supplemental Type Certificates SA1178CE or SA1583CE, or Aviarep Supplemental Type Approvals SA80-1 or SA80-2 Wing Strap Modifications.

Compliance is required, unless already accomplished, within 50 flight hours or 30 days calendar time whichever occurs first.

In-flight wing failure has occurred as a result of a stress-corrosion induced failure of the lower forward wing panel attachment bolt. To preclude bolt failure accomplish the following:

- (1) Remove centre failsafe strap to gain access to the lower forward wing attachment bolts. The failsafe strap manufacturers instructions Aviarep Engineering Order E.O.-B-7902 or Aviadesign Engineering Order E.O.-B-8001 are to be followed carefully for this procedure.
- (2) Accomplish removal, visual inspection, baking, and magnetic particle inspection of the lower forward wing attachment bolts and nuts as specified in Airworthiness Directive CF-81-35, paragraph A)1 through A) 5.
- (3) Replace each rusted, pitted, and/or cracked nut, bolt and washer assembly with a new part in accordance with the manufacturers instructions. Beech Service Instruction No. 1208 refers to this subject. Obtain new parts only from Beech Service Centres or Beech Aircraft Corporation.
- (4) Accomplish cleaning, inspection with treatment of the wing lower forward inboard and outboard fittings in accordance with Airworthiness Directive CF-81-35, paragraphs A)7 and A)8.
- (5) Accomplish coating and installation of new or removed wing attachment bolts, nuts and washer assemblies in accordance with Airworthiness Directive CF-81-35 paragraph A)9 and A)10 except that, for aircraft fitted with Beechcraft Modification Kit 90-4077-1S, 100-4007, or 99-4023-1S, turning the bolt in the bore of the fitting is required.

Retorquing procedures in accordance with Aviarep Engineering Order E.O.-B-8004 or Aviadesign Service Bulletin B81-1 must be followed so that retorquing procedures specified in Airworthiness Directive CF-81-35 paragraph B are not required.

- (6) Within 3 days after replacing a defective part in accordance with paragraph (3) above, or noting a defect when complying with this Directive, submit a written report and send the replaced part(s) to

Director, Airworthiness

Transport Canada

Ottawa, Ontario

K1A 0N8.

The submitted report is to include a description of the defects found and the date of the last previous bolt or nut replacement(s).

This Directive becomes effective April 15, 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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