
Sektion 2. Utlandstillverkad flygmateriel

TITEL: Modifiering av "Air Data Computer".

GÄLLER: Samtliga luftfartyg med Rockwell Collins Air Data Computer ADC-85, ADC-85A, ADC-850D och ADC-850F installerat.

ÅTGÄRD: Utför åtgärder enligt bifogad kopia av FAA AD 2002-14-19.

TID FÖR ÅTGÄRD: Enligt bifogad kopia av FAA AD 2002-14-19.

UNDERLAG: Rockwell Collins Service Bulletin No 62 rev. 2, ADC-85/85A/850C/850E/850F-34-62 daterad 7 mars, 2000 eller Rockwell Collins Service Bulletin No 62 ADC-85/85A/850C/850E/850F-34-62 daterad 25 oktober, 1999.

REFERENS: FAA AD 2002-14-19

BESLUTSDATUM: 13 augusti 2002

LFS 2002:100

Åtgärder enligt LVD utgör nödvändig förutsättning för ifrågavarande flygmateriels luftvärdighet. Referens BCL M 1.11.
Anteckning om åtgärd, som vidtagits i enlighet med LVD, skall införas i teknisk journal för berörd flygmateriel med hänvisning till ifrågavarande LVD-nummer. Angivet underlag refererar till senast gällande revision/utgåva. LVD utges i luftfartsverkets författningssamlingar LFS.

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AIRWORTHINESS DIRECTIVE

Aircraft Certification Service
Washington, DC



U.S. Department
of Transportation
**Federal Aviation
Administration**

We post ADs on the internet at "www.airweb.faa.gov/rgl"

The following Airworthiness Directive issued by the Federal Aviation Administration in accordance with the provisions of Title 14 of the Code of Federal Regulations (14 CFR) part 39, applies to an aircraft model of which our records indicate you may be the registered owner. Airworthiness Directives affect aviation safety and are regulations which require immediate attention. You are cautioned that no person may operate an aircraft to which an Airworthiness Directive applies, except in accordance with the requirements of the Airworthiness Directive (reference 14 CFR part 39, subpart 39.3).

2002-14-19 Rockwell Collins, Inc.: Amendment 39-12819; Docket No. 2000-CE-14-AD.

(a) *What airplanes are affected by this AD?* This AD affects the following Rockwell Collins air data computers (ADC) that are installed in, but not limited to the airplanes that are listed below:

(1) Affected ADC's:

Unit	Collins part no. (CPN)	Applicable to serial no.
ADC-85 (Incorporating Rockwell Collins Service Bulletin No. 58)	622-8051-002 622-8051-003	All units.
ADC-85A (Incorporating Rockwell Collins Service Bulletin No. 58)	822-0370-113 822-0370-123 822-0370-139 822-0370-404 822-0370-408	All units.
ADC-850D (Incorporating Rockwell Collins Service Bulletin No. 58) ...	822-0389-133	All up to and including 3DGW (except for 1P6D, 22RC-22RF, and 23WK-3DGP).
ADC-850F	822-1036-406 822-1036-418	All Units.

(2) List of airplanes where the affected ADC could be installed. This is not a comprehensive list and airplanes not on this list that have the ADC installed through field approval or other methods are still affected by this AD:

Unit	Airplane model
ADC-85/ADC-85A	Astra AIA. Chinese Y7 and Y8. Czech LET-610. DC-8. Falcon 20F. Piaggio P-180. Raytheon B200, B300, C90A and 1900D.
ADC-850D	Lear 60.
ADC-850F	Falcon 20, 50, and 50EX.

(b) *Who must comply with this AD?* Anyone who wishes to operate any airplane that uses one of the above referenced Rockwell Collins air data computers must comply with this AD.

(c) *What problem does this AD address?* The actions specified by this AD are intended to prevent an unwarranted display of the ADC flag when switching static air sources. This could cause the flight crew to react to this incorrect flight information and possibly result in an unsafe operating condition.

(d) *What actions must I accomplish to address this problem?* To address this problem, you must accomplish the following:

Actions	Compliance	Procedures
(1) Perform the following, unless already accomplished: (i) Remove any affected ADC from the airplanes. (ii) As applicable, replace or reprogram parts or circuit card assemblies on central processing unit (CPU) circuit cards. (iii) Test the ADC. (iv) Install the modified ADC in the airplanes.	Within the next 12 calendar months after August 23, 2002 (the effective date of this AD).	In accordance with Rockwell Collins Service Bulletin No. 62, Revision No. 2, ADC-85/85A/850C/850D/850E/850F-34-62), Revision No. 2, dated March 7, 2000, or Service Bulletin No. 62, dated October 25, 1999, as applicable, the applicable Collins Computer Component Maintenance Manual, and Collins Avionics Standard Shop Practices Instruction Manual.
(2) Do not install on any airplane one of the affected ADCs unless the modification and test required by paragraphs (d)(1)(ii) and (d)(1)(iii) of this AD are accomplished	As of August 23, 2002 (the Service date of this AD).	In accordance with Rockwell Collins Service Bulletin No. 62, Revision No. 2, ADC-85/85A/850C/850D/850E/850F-34-62, dated arch 7, 2000, or Service Bulletin No. 62, dated October 25, 1999, as applicable.

Note 1: Rockwell Collins Operator Bulletin 99-7, dated August 1999, contains information about an operational placard to install until accomplishment of the actions of this AD. While not necessary to address the unsafe condition in this AD, FAA highly recommends that you incorporate this placard.

(e) *Can I comply with this AD in any other way?* You may use an alternative method of compliance or adjust the compliance time if:

- (1) Your alternative method of compliance provides an equivalent level of safety; and
- (2) The Manager, Wichita Aircraft Certification Office (ACO), approves your alternative.

Submit your request through an FAA Principal Maintenance Inspector, who may add comments and then send it to the Manager, Wichita ACO.

Note 2: This AD applies to each airplane identified in paragraph (a) of this AD, regardless of whether it has been modified, altered, or repaired in the area subject to the requirements of this AD. For airplanes that have been modified, altered, or repaired so that the performance of the requirements of this AD is affected, the owner/operator must request approval for an alternative method of compliance in accordance with paragraph (e) of this AD. The request should include an assessment of the effect of the modification, alteration, or repair on the unsafe condition addressed by this AD; and, if you have not eliminated the unsafe condition, specific actions you propose to address it.

(f) *Where can I get information about any already-approved alternative methods of compliance?* Contact Roger A. Souter, FAA, Wichita Aircraft Certification Office (ACO), 1801 Airport Road, Room 100, Wichita, Kansas 67209; telephone: (316) 946-4134; facsimile: (316) 946-4407, E-mail: Roger.Souter@faa.gov.

(g) *What if I need to fly the airplane to another location to comply with this AD?* The FAA can issue a special flight permit under sections 21.197 and 21.199 of the Federal Aviation Regulations (14 CFR 21.197 and 21.199) to operate your airplane to a location where you can accomplish the requirements of this AD.

(h) *Are any service bulletins incorporated into this AD by reference?* Actions required by this AD must be done in accordance with Rockwell Collins Service Bulletin No. 62, Revision No. 2, ADC-85/85A/850C/850D/850E/850F-34-62, dated March 7, 2000, or Rockwell Collins Service Bulletin No. 62, ADC-85/85A/850C/850F-34-62, dated October 25, 1999. The Director of the Federal Register approved this incorporation by reference under 5 U.S.C. 552(a) and 1 CFR part 51. You may get copies from Rockwell Collins, Business and Regional Systems, 400 Collins Road Northeast, Cedar Rapids, Iowa 52498. You may view copies at the FAA, Central Region, Office of the Regional Counsel, 901 Locust, Room 506, Kansas City, Missouri, or at the Office of the Federal Register, 800 North Capitol Street, NW., suite 700, Washington, DC.

(i) *When does this amendment become effective ?* This amendment becomes effective on August 23, 2002.

Issued in Kansas City, Missouri, on July 3, 2002.
Dorenda D. Baker,
Acting Manager, Small Airplane Directorate, Aircraft Certification Service.
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