

Luftfartstilsynet
1. tilsynsavdeling
Postboks 8050 Dep., 0031 Oslo
Besøksadresse:
Rådhusgata 2, 0031 Oslo
Telefon : 23 31 78 00
Telefax : 23 31 79 95
e-post: postmottak@caa.dep.no

LUFTDYKTIGHETSPÅBUD (LDP)

TILBEHØR

ROCKWELL -1

Med hjemmel i lov av 11. juni 1993 nr. 101 om luftfart, kap. XV § 15-4 jf. kap. IV § 4-1 og Samferdselsdepartementets bemyndigelse av 25. mars 1994, fastsetter Luftfartstilsynet følgende forskrift om luftdyktighet.

2001-043 MODIFIKASJON AV TRANSPONDER

Påbudet gjelder:

Rockwell Collins Inc. CTL-92 transpondere som beskrevet i FAA AD 2001-15-17.

Påbudet omfatter:

Utfør tiltak som beskrevet i vedlagte kopi av FAA AD 2001-15-17.

Tid for utførelse:

Til de tider som beskrevet i vedlagte kopi av FAA AD 2001-15-17, med virkning fra denne LDP's gyldighetsdato.

Referanse:

FAA AD 2001-15-17.

Gyldighetsdato:

2001-09-03.

AIRWORTHINESS DIRECTIVE



Aircraft Certification Service
Washington, DC

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

We post ADs on the internet at "av-info.faa.gov"

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).

2001-15-17 Rockwell Collins, Inc.: Amendment 39-12352; Docket No. 2001-CE-22-AD.

(a) What airplanes are affected by this AD? This AD applies to CTL-92 transponder control panel part numbers 622-6523-204, 622-6523-205, 622-6523-206, 622-6523-207, and 622-6523-208 (serial numbers as specified in Rockwell Collins Service Bulletin 33 (CTL-92-34-33), dated April 5, 2001), that are installed in aircraft. These CTL-92 transponder control panels are installed in, but not limited to, the following aircraft that are certificated in any category:

- (1) Aerospatiale ATR42 and ATR72 series airplanes;
- (2) Saab Aircraft Models 340B and SF340A airplanes;
- (3) Embraer EMB-120 series airplanes;
- (4) deHavilland DHC-8 series airplanes; and
- (5) Raytheon Models C90A, B200, 350, and 1900D airplanes.

(b) Who must comply with this AD? Anyone who wishes to operate an aircraft equipped with one of the affected CTL-92 transponder control panels must comply with this AD.

(c) What problem does this AD address? The actions specified by this AD are intended to prevent erroneous altitude interpretations, which could result in reduced vertical separation or unsafe traffic alert and collision avoidance system (TCAS) resolution advisories.

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

Action	Compliance time	Procedures
(1) Modify the altitude encoder inputs of the CTL-92 transponder control panels.	Within the next 10 hours time-in-service (TIS) after August 20, 2001 (the effective date of this AD).	Modify in accordance with the Accomplishment Instructions section of Rockwell Collins Service Bulletin 33 (CTL-92-34-33), dated April 5, 2001.
(2) Do not install, on any aircraft, an affected CTL-92 transponder control panel that has not been modified as required by paragraph (d)(1) of this AD.	As of August 20, 2001 (the effective date of this AD).	Modify in accordance with the Accomplishment Instructions section of Rockwell Collins Service Bulletin 33 (CTL-92-34-33), dated April 5, 2001.

(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, approves your alternative. Send your request through an FAA Principal Maintenance Inspector, who may add comments and then send it to the Manager, Wichita Aircraft Certification Office.

Note: This AD applies to any aircraft with the equipment installed as identified in paragraph (a) of this AD, regardless of whether the aircraft has been modified, altered, or repaired in the area subject to the requirements of this AD. For aircraft 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? You can 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 Rockwell Collins Service Bulletin 33 (CTL-92-34-33), dated April 5, 2001. The Director of the Federal Register approved this incorporation by reference under 5 U.S.C. 552(a) and 1 CFR part 51. You can get copies from Rockwell Collins, Business and Regional Systems, 400 Collins Road Northeast, Cedar Rapids, Iowa 52498. You can look at copies at 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 20, 2001.

Issued in Kansas City, Missouri, on July 19, 2001.

James E. Jackson,

Acting Manager, Small Airplane Directorate, Aircraft Certification Service.

[FR Doc. 01-18707 Filed 7-30-01; 8:45 am]

BILLING CODE 4910-13-P

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Luftfartstilsynet
1. tilsynsavdeling
Postboks 8050 Dep., 0031 Oslo
Besøksadresse:
Rådhusgata 2, 0031 Oslo
Telefon : 23 31 78 00
Telefax : 23 31 79 95
e-post: postmottak@caa.dep.no

LUFTDYKTIGHETSPÅBUD (LDP)

TILBEHØR

ROCKWELL -2

Med hjemmel i lov av 11. juni 1993 nr. 101 om luftfart, kap. XV § 15-4 jf. kap. IV § 4-1 og Samferdselsdepartementets bemyndigelse av 25. mars 1994, fastsetter Luftfartstilsynet følgende forskrift om luftdyktighet.

2002-031 MODIFIKASJON AV TRANSPONDER

Påbudet gjelder:

Rockwell Collins Inc. TDR-94 og TDR-94D Mode S transpondere som beskrevet i FAA AD 2002-06-06.

Påbudet omfatter:

Utfør tiltak som beskrevet i vedlagte kopi av FAA AD 2002-06-06.

Tid for utførelse:

Til de tider som beskrevet i vedlagte kopi av FAA AD 2002-06-06.

Referanse:

FAA AD 2002-06-06.

Gyldighetsdato:

2002-04-15.

AIRWORTHINESS DIRECTIVE



Aircraft Certification Service
Washington, DC

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

We post ADs on the internet at "av-info.faa.gov"

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).

2002-06-06 Rockwell Collins, Inc.: Amendment 39-12683; Docket No. 2000-CE-32-AD.

(a) *What airplanes are affected by this AD?* This AD applies to TDR-94 Mode S transponders (Collins part number (CPN) 622-9352-004) and TDR-94D Mode S transponders (CPN 622-9210-004) that derive altitude information from a Gillham (gray code) encoded pressure altitude source and are installed on, but not limited to, the following airplanes that are certificated in any category:

- (1) Aerospatiale ATR42 series airplanes;
- (2) deHavilland DHC-7 and DHC-8 series airplanes; and
- (3) Short Brothers Models SD3-60 and SD3-60 SHERPA airplanes.

(b) *Who must comply with this AD?* Anyone who wishes to operate any airplane with one of the affected TDR-94 or TDR-94D Mode S Transponder units installed must comply with this AD.

(c) *What problem does this AD address?* The actions specified by this AD are intended to prevent erroneous altitude resolutions from causing a reduction in the intended aircraft collision avoidance system (ACAS) or traffic alert and collision avoidance system (TCAS) Change 7 minimum separation margins. Such a condition could result in air traffic control or the pilot making flight decisions that put the airplane in unsafe flight conditions.

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

Actions	Compliance	Procedures
(1) Determine whether the altitude information from any TDR-94 Mode S transponder (CPN 622-9352-004) or TDR-94D Mode S transponder (CPN 622-9120-004) is derived from a digital air data source or a Gillham (gray code) encoded source.	Within the next 3 months after May 3, 2002 (the effective date of this AD).	As specified in Rockwell Collins Service Bulletin No. 17 (TDR-94/94D-34-17), dated February 8, 1999, Service Bulletin 17, Revision No. 1, dated May 15, 2000, or Service Bulletin 20 (TDR-94/94D-34-20), Revision No. 1, dated May 2, 2001. Collins Product Information Letter No. 71, dated January 1999, references Service Bulletin 17, dated February 8, 1999

(2) If the altitude information is derived from a Gillham (gray code) encoded source, have the unit modified to prevent erroneous altitude reporting. The modification encompasses converting the TDR-94 transponder from Collins part number (CPN) 622-9352-004 to CPN 622-9352-005 or converting CPN 622-9352-004/005 to CPN 622-9352-006; and converting the TDR 94D transponder from CPN 622-9210-004 to CPN 622-9210-005 or converting CPN 622-9210-004/005 to CPN 622-9210-006.	At the next transponder check required by 14 CFR 91.413 and occurs 3 months after May 3, 2002 (the effective date of this AD) or within the next 9 months after May 3, 2002 (the effective date of this AD), whichever occurs first.	In accordance with Rockwell Collins Service Bulletin No. 17 (TDR-94/94D-34-17), dated February 8, 1999, Service Bulletin 17, Revision No. 1, dated May 15, 2000, or Service Bulletin 20 (TDR-94/94D-34-20), Revision No. 1, dated May 2, 2001. Collin Product Information Letter No. 71, dated January 1999, references Service Bulletin 17, dated February 8, 1999.
(3) If the altitude information from all affected transponders is derived from a digital air data source, no modification action is required by this AD.	Not applicable	Not applicable.
(4) Do not install any TDR-94 Mode S transponder (CPN 622-9352-004) or TDR-94D Mode S transponder (CPN 622-9210-004) on any airplane if the altitude information is derived from a Gillham (gray code) encoded source, unless the modification required by paragraph (d)(2) of this Ad is incorporated.	As of May 6, 2002 (the effective date of this AD).	Accomplish the modification in accordance with Rockwell Collins Service Bulletin No. 17 (TDR-94/94D-34-17), dated February 8, 1999, Service Bulletin 17, Revision No. 1, dated May 15, 2000, or Service Bulletin 20 (TDR-94/94D-34-20), Revision No. 1, dated May 2, 2001. Collins Product Information Letter No. 71, dated January 1999, references Service Bulletin 17, dated February 8, 1999.

(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: 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?* You can 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. 17 (TDR-94/94D-34-17), dated February 8, 1999, Rockwell Collins Service Bulletin Service Bulletin 17 (TDR-94/94D-34-17), Revision No. 1, dated May 15, 2000, or Service Bulletin 20 (TDR-94/94D-34-20), Revision No. 1, dated May 2, 2001. The Director of the Federal Register approved this incorporation by reference under 5 U.S.C. 552(a) and 1 CFR part 51. You can get copies from Rockwell Collins Inc., Business and Regional Systems, 400 Collins Road Northeast, Cedar Rapids, Iowa 52498. You can look at 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 May 3, 2002.

Issued in Kansas City, Missouri, on March 12, 2002.

Dorenda D. Baker,
Acting Manager, Small Airplane Directorate, Aircraft Certification Service.
[FR Doc. 02-6625 Filed 3-22-02; 8:45 am]
BILLING CODE 4910-13-P

Luftfartstilsynet
1. tilsynsavdeling
Postboks 8050 Dep., 0031 Oslo
Besøksadresse:
Rådhusgata 2, 0031 Oslo
Telefon : 23 31 78 00
Telefax : 23 31 79 95
e-post: postmottak@caa.dep.no

LUFTDYKTIGHETSPÅBUD (LDP)

TILBEHØR

ROCKWELL -3

Med hjemmel i lov av 11. juni 1993 nr. 101 om luftfart, kap. XV § 15-4 jf. kap. IV § 4-1 og Samferdselsdepartementets bemyndigelse av 25. mars 1994, fastsetter Luftfartstilsynet følgende forskrift om luftdyktighet.

2002-064 MODIFIKASJON AV TRANSPONDER

Påbudet gjelder:

Rockwell Collins Inc. air data computers som beskrevet i FAA AD 2002-14-19.

Påbudet omfatter:

Utfør tiltak som beskrevet i vedlagte kopi av FAA AD 2002-14-19.

Tid for utførelse:

Til de tider som er beskrevet i vedlagte kopi av FAA AD 2002-14-19.

Referanse:

FAA AD 2002-14-19.

Gyldighetsdato:

2002-08-28.

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	All units.
	622-8051-003	
ADC-85A (Incorporating Rockwell Collins Service Bulletin No. 58)	822-0370-113	All units.
	822-0370-123	
	822-0370-139	
	822-0370-404	
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).
	822-0370-408	
ADC-850F	822-1036-406	All Units.
	822-1036-418	

(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.
[FR Doc. 02-17306 Filed 7-12-02; 8:45 am]
BILLING CODE 4910-13-P

Luftfartstilsynet
1. tilsynsavdeling
Postboks 8050 Dep., 0031 Oslo
Besøksadresse:
Rådhusgata 2, 0031 Oslo
Telefon : 23 31 78 00
Telefax : 23 31 79 95
e-post: postmottak@caa.dep.no

TILBEHØR

ROCKWELL -3

LUFTDYKTIGHETSPÅBUD (LDP)

Med hjemmel i lov av 11. juni 1993 nr. 101 om luftfart, kap. XV § 15-4 jf. kap. IV § 4-1 og Samferdselsdepartementets bemyndigelse av 25. mars 1994, fastsetter Luftfartstilsynet følgende forskrift om luftdyktighet.

2002-064 AIR DATA COMPUTERS

Påbudet gjelder:

Rockwell Collins Inc. air data computers som beskrevet i FAA AD 2002-14-19.

Påbudet omfatter:

Utfør tiltak som beskrevet i vedlagte kopi av FAA AD 2002-14-19.

Tid for utførelse:

Til de tider som er beskrevet i vedlagte kopi av FAA AD 2002-14-19.

Referanse:

FAA AD 2002-14-19.

Gyldighetsdato:

2002-08-28.

AIRWORTHINESS DIRECTIVE



Aircraft Certification Service
Washington, DC

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

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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.
ADC-850D	Raytheon B200, B300, C90A and 1900D.
	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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BILLING CODE 4910-13-P

Luftfartstilsynet
1. tilsynsavdeling
Postboks 8050 Dep., 0031 Oslo
Besøksadresse:
Rådhusgata 2, 0031 Oslo
Telefon : 23 31 78 00
Telefax : 23 31 79 95
e-post: postmottak@caa.dep.no

LUFTDYKTIGHETSPÅBUD (LDP)

TILBEHØR

ROCKWELL -4

Med hjemmel i lov av 11. juni 1993 nr. 101 om luftfart, kap. XV § 15-4 jf. kap. IV § 4-1 og Samferdselsdepartementets
bemyndigelse av 25. mars 1994, fastsetter Luftfartstilsynet følgende forskrift om luftdyktighet.

2002-086 AFD-3010 ADAPTIVE FLIGHT DISPLAY UNITS

Påbudet gjelder:

Rockwell Collins Inc. AFD-3010 adaptive flight display units som beskrevet i FAA AD 2002-20-09.

Påbudet omfatter:

Utfør tiltak som beskrevet i vedlagte kopi av FAA AD 2002-20-09.

Tid for utførelse:

Til de tider som er beskrevet i vedlagte kopi av FAA AD 2002-20-09.

Referanse:

FAA AD 2002-20-09.

Gyldighetsdato:

2002-11-18.

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).

2002-20-09 Rockwell Collins, Inc.: Amendment 39-12906; Docket No. 2002-CE-39-AD.

(a) *What airplanes are affected by this AD?* This AD applies to AFD-3010 adaptive flight display units, part numbers 822-1084-012/-108/-202/-206/-302/-304/-402/-404/-406 (serial numbers as specified in Rockwell Collins Service Bulletin 12, Revision No. 2, AFD-3010-31-12, dated August 30, 2002), that are installed in aircraft. These AFD-3010 adaptive flight display units are installed in, but not limited to, the following aircraft that are certificated in any category:

- (1) Bombardier Model CL-600-2A12 (CL-601) airplanes;
- (2) Cessna Model 525 and 525A airplanes;
- (3) Dassault Model Mystere-Falcon 20-F5 and Mystere-Falcon 50 airplanes; and
- (4) Raytheon Model 390 and Hawker 800XP airplanes.

(b) *Who must comply with this AD?* Anye who wishes to operate an aircraft equipped with one of the affected AFD-3010 adaptive flight display units must comply with this AD.

(c) *What problem does this AD address?* The actions specified by this AD are intended to prevent premature failure of the Application Specific Integrated Circuit (ASIC) device, which could result in the AFD-3010 unit displaying erroneous primary flight and engine parameter information. Such failure could lead to the pilot using incorrect information when making critical flight safety decisions.

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

Actions	Compliance	Procedures
(1) Inspect the AFD-3010 adaptive flight display unit to determine the serial number.	Within the next 14 days after November 12, 2002 (the effective date of this AD), unless already accomplished.	In accordance with Rockwell Collins Service Bulletin 12, Revision No. 2 (AFD-3010-31-12), dated August 30, 2002.

(2) If the serial number of the AFD-3010 unit is listed as one of the affected units specified in Rockwell Collins Service Bulletin 12, Revision No. 2 (AFD-3010-31-12), dated August 30, 2002, then inspect the MFP386 ASIC device to determine the date code.	Prior to further flight after the inspection required in paragraph (d)(1) of this AD, unless already accomplished.	In accordance with Rockwell Collins Service Bulletin 12, Revision No. 2 (AFD-3010-31-12), dated August 30, 2002.
(i) If the date code on the MFP386 ASIC device is 0128, return the unit to the manufacturer for modification and install the modified ADF-3010 unit.		
(ii) If the date code on the MFP386 ASIC is other than 0128, no manufacturer modification is necessary.		
(3) Do not install, on any aircraft, an affected ADF-3010 adaptive flight display that contains a MFP386 ASIC device with a date code of 0128.	As of November 12, 2002 (the effective date of this AD).	Not applicable.

(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, approves your alternative. Submit your request through an FAA Principal Maintenance Inspector, who may add comments and then send it to the Manager, Wichita Aircraft Certification Office.

Note: 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 12 (AFD-3010-31-12), Revision No. 2, dated August 30, 2002. The Director of the Federal Register approved this

incorporation by reference under 5 U.S.C. 552(a) and 1 CFR part 51. You can get copies from Rockwell Collins, Business and Regional Systems, 400 Collins Road Northeast, Cedar Rapids, Iowa 52498; telephone: (319) 295-1831. You may view this information at 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 November 12, 2002.

Issued in Kansas City, Missouri, on October 3, 2002.

James E. Jackson,
Acting Manager, Small Airplane Directorate, Aircraft Certification Service.
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