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LUFTDYKTIGHETSPÅBUD (LDP)

TILBEHØR

SHADIN -1

Med hjemmel i lov av 11. juni 1993 nr. 101 om luftfart, § 15-4 jf. § 4-1 og det vedtak om delegering av myndighet til Luftfartstilsynet av 10. desember 1999 nr. 1273

2006-019 "INCORRECT ALTITUDE INFORMATION FROM AIR DATA COMPUTER"

Påbudet gjelder:

SHADIN "ADC-2000 air data computers (ADC)" som beskrevet i vedlagte kopi av FAA AD 2005-25-08.

Disse "air data computers" er installert i, men ikke begrenset til, flytyper og modeller som er angitt i ovennevnte FAA AD 2005-25-08.

Påbudet omfatter:

Utfør tiltak som beskrevet i vedlagte kopi av FAA AD 2005-25-08.

Tid for utførelse:

Til de tider som er beskrevet i vedlagte kopi av FAA AD 2005-25-08, med virkning fra denne LDP's gyldighetsdato.

Referanse:

FAA AD 2005-25-08.

Gyldighetsdato:

2006-03-31.

AIRWORTHINESS DIRECTIVE



Aircraft Certification Service
Washington, DC

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

We post ADs on the internet at www.faa.gov/aircraft/safety/alerts/

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).

2005-25-08 SHADIN: Amendment 39-14401; Docket No. FAA-2005-21787; Directorate Identifier 2005-CE-34-AD.

When Does This AD Become Effective?

- (a) This AD becomes effective on January 23, 2006.

What Other ADs Are Affected By This Action?

- (b) None.

What Airplanes Are Affected By This AD?

(c) This AD affects Shadin ADC-2000 air data computers (ADC), part numbers (P/N) 962830A-1-S-8, 962830A-2-S-8, 962830A-3-S-8, configurations B, C, and D, that are installed in, but not limited to, the following aircraft (all serial numbers), and are certificated in any category:

Manufacturer	Model
Alliance Aircraft Group, LLC.	H-250
B-N Group Ltd	BN2A
Bombardier Inc	DHC-3, DHC-6
Cessna Aircraft Company.	172, 180, 180E, 185, 206, 206E, 206F, 206G 208, 210L, 310
deHavilland Inc	DHC-2
The New Piper Aircraft, Inc.	PA-28-180, PA-28-181, PA-31-350, PA-32-300, PA-32-301, PA-32R-300, PA-34-200T

What is the Unsafe Condition Presented in This AD?

(d) This AD is the result of reports that certain ADC-2000 units display incorrect altitude information on the Electronic Flight Information System (EFIS) to the pilot. The actions specified in this AD are to prevent ADC-2000 units, P/Ns 962830A-1-S-8, 962830A-2-S-8, and 962830A-3-S-8, configurations B, C, and D, from displaying incorrect altitude information. This could cause the flight crew to react to this incorrect flight information and possibly result in an unsafe operating condition.

What Must I do to Address This Problem?

- (e) To address this problem, you must do the following:

Actions	Compliance	Procedures
(1) To ensure the air data computer (ADC) and the Electronic Flight Information System (EFIS) altimetry accuracy, do the normal preflight check. If the altitudes, altimeter, and elevation differ by more than 75 feet, do not fly the airplane in Instrument Meteorological Conditions (IMC)/Instrument Flight Rules (IFR).	Within the next 25 hours time-in-service (TIS) after January 23, 2006 (the effective date of this AD) and thereafter before each flight until the ADC is upgraded as specified in paragraph (e)(2) of this AD.	Follow the Interim Procedures contained in Shadin Service Bulletin SB28-05-002, Rev C, dated June 29, 2005. The owner/operator holding at least a private pilot certificate may do the check specified in paragraph (e)(1) of this AD. Make an entry into the aircraft records showing compliance with this portion of the AD following section 43.9 of the Federal Aviation Regulations (14 CFR 43.9).
(2) Return all Shadin ADC-2000s, part numbers 962830A-1-S-8, 962830A-2-S-8, 962830A-3-S-8, Configurations B, C, and D, to the Shadin Repair Facility for upgrade. Contact the Shadin Technical Support department for a Return Merchandise Authorization (RMA) number. Until the ADC-2000 is modified, returned, and reinstalled, only fly the airplane if equipment requirements for that airplane are still met.	Within the next 15 months after January 23, 2006 (the effective date of this AD).	Follow Shadin Service Bulletin SB28-05-002, Rev C, dated June 29, 2005.
(3) Do not install any Shadin ADC-2000, part number 962830A-1-S-8, 962830A-2-S-8, or 962830A-3-S-8, Configurations B, C, and D, unless it has been upgraded as specified in paragraph (e)(2) of this AD.	As of January 23, 2006 (the effective date of this AD).	Not applicable.

May I Request an Alternative Method of Compliance?

(f) You may request a different method of compliance or a different compliance time for this AD by following the procedures in 14 CFR 39.19. Unless FAA authorizes otherwise, send your request to your principal inspector. The principal inspector may add comments and will send your request to the Manager, Chicago Aircraft Certification Office (ACO), FAA. For information on any already approved alternative methods of compliance, contact Jeffrey Kuen, Aerospace Engineer, Chicago ACO, FAA, 2300 East Devon Avenue, Room 107, Des Plaines, Illinois 60018; telephone: (847) 294-7125; facsimile: (847) 294-7834; e-mail address: jeffrey.kuen@faa.gov.

Does This AD Incorporate Any Material By Reference?

(g) You must do the actions required by this AD following the instructions in Shadin Service Bulletin SB28-05-002, Rev C, dated June 29, 2005. The Director of the Federal Register approved the incorporation by reference of this service bulletin in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. To get a copy of this service information, contact Shadin, 6831 Oxford Street, St. Louis Park, Minnesota 55426-4412; telephone: (800) 388-2849 or (952) 927-6500; facsimile: (952) 924-1111; e-mail: <http://www.shadin.com>. To review copies of this service information, go to the National

Archives and Records Administration (NARA). For information on the availability of this material at NARA, go to:

http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html or call (202) 741-6030. To view the AD docket, go to the Docket Management Facility, U.S. Department of Transportation, 400 Seventh Street, SW., Nassif Building, Room PL-401, Washington, DC 20590-001 or on the Internet at <http://dms.dot.gov>. The docket number is FAA-2005-21787; Directorate Identifier 2005-CE-34-AD.

Issued in Kansas City, Missouri, on November 30, 2005.

David R. Showers,

Acting Manager, Small Airplane Directorate, Aircraft Certification Service.

[FR Doc. 05-23771 Filed 12-9-05; 8:45 am]

BILLING CODE 4910-13-P

Note:

The reinforced elevator bracket, manufactured according to drawing No. 205-33-9 (modification 2) or the additional metal strips with welding wire 1.7734.2 may be obtained from:

Hansjörg Streifeneder,
Glasfaser-Flugzeug-Service GmbH,
Hofener Weg,
72582 Grabenstetten,
G E R M A N Y

EASA-Approval

Approved by the European Aviation Safety Agency (EASA) under approval no. 2005-6429 on 05 December 2005.

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