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LUFTDYKTIGHETSPÅBUD (LDP)

TILBEHØR

AERO ADVANTAGE-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 Luftfartsverket følgende forskrift om luftdyktighet.

2006-023 "VACUUM PUMP FAILURE OR MALFUNCTION"

Påbudet gjelder:

Aero Advantage, ADV211CC og ADV212CW vakuumpumper installert i, men ikke begrenset til, fly som nærmere beskrevet i vedlagte kopi av FAA AD 2006-03-08.

Påbudet omfatter:

Utfør tiltak som beskrevet i vedlagte kopi av FAA AD 2006-03-08.

Tid for utførelse:

Til de tider som er beskrevet i vedlagte kopi av FAA AD 2006-03-08.

Referanse:

FAA AD 2006-03-08.

Gyldighetsdato:

2006-03-31.

AIRWORTHINESS DIRECTIVE



Aircraft Certification Service
Washington, DC

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

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).

2006-03-08 Aero Advantage: Amendment 39-14472; Docket No. FAA-2005-20440; Directorate Identifier 2005-CE-05-AD.

When Does This AD Become Effective?

- (a) This AD becomes effective on March 10, 2006.

What Other ADs Are Affected by This Action?

- (b) None.

What Airplanes Are Affected by This AD?

- (c) This AD affects ADV200 series (part numbers (P/Ns)

ADV211CC and ADV212CW) vacuum pumps installed on, but not limited to, the following aircraft that are certificated in any category. These vacuum pumps can be installed under supplemental type certificate number SA10126SC, through field approval, or other methods:

Make	Model
Alexandria Aircraft, LLC	14-19, 14-19-2, 14-19-3, 17-30, 17-31, 17-31TC, 17-30A, 17-31A, and 17-31ATC.
Alliance Aircraft Group, LLC	H-295 (USAF U10D).
American Champion Aircraft Corp.	7AC, 7ECA, 7GC, 7GCA, 7GCAA, 7GCB, 7GCBC, 7HC, 7KC, 7KCAB, 8GCBC, and 8KCAB.
Cessna Aircraft Company, The	172, 172A, 172B, 172C, 172D, 172E, 172F, 172G, 172H, 172I, 172K, 172L, 172M, 172N, 172P, 172Q, 182, 182A, 182B, 182C, 182D, 182E, 182F, 182G, 182H, 182J, 182K, 182L, 182M, 182N, 182P, 182Q, 182R, R182, T182, TR182, 172RG, R172E, R172F, R172H, R172J, 152, A152, 210, 210-5 (205), 210-5A (205A), 210A, 210B, 210C, 210D, 210E, 210F, 210G, 210H, 210J, 210K, 210L, 210M, 210N, P210N, T210G, T210H, T210M, T210N, T210R, 185, 185A, 185B, 185C, 185D, 185E, 180, 180A, 180B, 180C, 180D, 180E, 180F, 180G, 180H, 180J, 120, 140, 170, 170A, 170B, 177, 177A, 177B, 207, 207A, T207, T207A, 177RG, 206, P206, P206A, P206B, P206C, P206D, P206E, TP206A, TP206B, TP206C, TP206D, TP206E, TU206A, TU206B, TU206C, TU206D, TU206E, TU206F, TU206G, U206, U206A, U206B, U206C, U206D, U206E, U206F, U206G, 188, 188A, 188B, A188, A188A, and A188B.

Make	Model
Commander Aircraft Company	112, 112B, 112TC, 114, and 114A.
Dynac Aerospace Corporation	Aero Commander 100.
Global Amphibians, LLC	Lake LA-4-200, Lake Model 250.
Maule Aerospace Technology, Inc.	M-4-210, M-4-220, M-5-180C, M-5-200, M-5-235C, M-6-180, and M-6-235.
Mooney Aircraft Corporation	M20, M20A, M20B, M20C, M20D, M20E, M20F, M20G, M20J, M20K, M20M, and M22.
Navion Aircraft Company, Ltd.	Navion G and Navion H.
Piper Aircraft, Inc., The New	PA-23, PA-23-160, PA-23-235, PA-23-250 (Navy UO-1), PA-E23-250, PA-24, PA-24-250, PA-24-260, PA-18, PA-18-105 (Special), PA-18-135, PA-18-150, PA-20-115, PA-20-135, PA-22-108, PA-22-135, PA-22-150, PA-22-160, PA-25, PA-25-235, PA-25-260, PA-28-140, PA-28-150, PA-28-151, PA-28-160, PA-28-161, PA-28-180, PA-28-181, PA-28-201T, PA-28-235, PA-28-236, PA-28R-180, PA-28R-200, PA-28R-201, PA-28R-201T, PA-28RT-201, PA-28RT-201T, PA-25, PA-25-235, PA-25-260, J5A-80, J5A (Army L-4F), J5B (Army L-4G), J5C, PA-12, PA-36-285, PA-36-300, PA-36-375, PA-38-112, PA-30, PA-39, PA-40, PA-31, PA-31-300, PA-31-325, PA-31-350, PA-32-260, PA-32-300, PA-32-301, PA-32-301T, PA-32R-300, PA-32R-301 (HP), PA-32R-301T, PA-32RT-300T, PA-31P, and PA-36-300.
Raytheon Aircraft Company	35-33, 35-A33, 35-B33, 35-C33, 35-C33A, 36, A36, A36TC, B36TC, E33, E33A, E33C, F33, F33A, F33C, G33, H35, J35, V35, V35A, V35B, D45 (Military T-34B), 35, 35R, A35, B35, C35, D35, E35, F35, G35, 19A, 23, A23, A23A, A24, A24R, B19, B23, B24R, C23, and C24R.
Rogers, Burl A.	15AC and S15AC.
SOCATA—Groupe Aerospatiale	MS 885, MS 892A-150, MS 892E-150, MS 893A, MS 893E, Rallye 150 ST, Rallye 150 T, TB 10, TB 20, and TB 9
Tiger Aircraft LLC	AA-1, AA-1A, AA-1B, AA-1C, AA-5, AA-5A, and AA-5B.

What Is the Unsafe Condition Presented in This AD?

(d) This AD is the result of several reports of pump chamber failure. The actions specified in this AD are intended to prevent the vacuum pump failure or malfunction during instrument flight rules (IFR) flight that could lead to loss of flight instruments critical for flight. The loss of flight instruments could cause pilot disorientation and loss of control of the aircraft.

What Must I Do To Address This Problem?

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

Actions	Compliance	Procedures
(1) Remove from service any Aero Advantage ADV200 series (P/Ns ADV211CC and ADV212CW) vacuum pump.	Within 100 hours time-in-service (TIS) or the next 12 calendar months after March 10, 2006 (the effective date of this AD), whichever occurs first, unless already done.	Not Applicable.
(2) Install an FAA-approved vacuum pump that is not an Aero Advantage ADV200 series vacuum pump.	Prior to further flight after removing any Aero Advantage ADV200 series vacuum pump.	Not Applicable.
(3) If you choose not to utilize the Aero Advantage vacuum pump monitoring system per STC SA10126SC, then do the following:	Prior to further flight after removing any Aero Advantage ADV200 series vacuum pump.	Not Applicable.
(i) Remove the Airplane Flight Manual Supplement (AFMS) for STC SA10126SC and the placard for the vacuum pump monitoring system. (ii) Complete the appropriate logbook entry and Form 337 to show that the airplane is no longer equipped with STC SA10126SC.	Prior to further flight after removing any Aero Advantage ADV200 series vacuum pump.	Connect the vacuum pump monitoring system with the procedures in Phoenix Group, Service Bulletin No. 05-01, dated November 22, 2005.
(4) If you choose to utilize the Aero Advantage vacuum pump monitoring system per STC SA10126SC, then do the following: (i) Connect the replacement vacuum pump to the vacuum pump monitoring system. (ii) Make the following notation to the front of the AFMS for STC SA10126SC: "The Aero Advantage vacuum pump was removed to comply with AD 2005-**-**, and this AFMS now gives instructions for the operation of the vacuum pump monitoring system with a replacement vacuum pump." (iii) Attach a copy of the Phoenix Group Service Bulletin No. 05-01, dated November 22, 2005, to the AFMS for STC SA10126SC.	Prior to further flight after removing any Aero Advantage ADV200 series vacuum pump.	Connect the vacuum pump monitoring system with the procedures in Phoenix Group, Service Bulletin No. 05-01, dated November 22, 2005.
(5) Do not install any Aero Advantage ADV200 series (P/Ns ADV211CC and ADV212CW) vacuum pump.	As of March 10, 2006 (the effective date of this AD).	Not Applicable.

May I Request an Alternative Method of Compliance?

(f) The Manager, Special Certification Office, Rotorcraft Directorate, FAA, has the authority to approve alternative methods of compliance for this AD, if requested using the procedures found in 14 CFR 39.19. For information on any already approved alternative methods of compliance, contact

Peter Hakala, Aerospace Engineer, Special Certification Office, Rotorcraft Directorate, FAA, 2601 Meacham Boulevard, Fort Worth, Texas 76193-0190; telephone: (817) 222-5145; facsimile: (817) 222-5785.

May I Get Copies of the Document Referenced in This AD?

(g) If you choose to utilize the vacuum pump monitoring system, you must connect the replacement vacuum pump with the instructions in Phoenix Group, Service Bulletin No. 05-01, dated November 22, 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 Phoenix Group, 9608 Taxiway Dr., Granbury, TX 76049; e-mail: phoenixgroup2@yahoo.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-200520440; Directorate Identifier 2005-CE-05-AD.

Issued in Kansas City, Missouri, on January 26, 2006.

David R. Showers,
Acting Manager, Small Airplane Directorate, Aircraft Certification Service.
[FR Doc. 06-957 Filed 2-6-06; 8:45 am]
BILLING CODE 4910-13-P

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