

Issued in Renton, Washington, on January 12, 2015.

John P. Piccola, Jr.,

Acting Manager, Transport Airplane Directorate, Aircraft Certification Service.

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## DEPARTMENT OF TRANSPORTATION

### Federal Aviation Administration

#### 14 CFR Part 39

[Docket No. FAA-2015-0096; Directorate Identifier 2014-CE-040-AD; Amendment 39-18077; AD 2015-02-10]

RIN 2120-AA64

#### Airworthiness Directives; Viking Air Limited Airplanes

**AGENCY:** Federal Aviation Administration (FAA), DOT.

**ACTION:** Final rule; request for comments.

**SUMMARY:** We are adopting a new airworthiness directive (AD) for Viking Air Limited Models DHC-2 Mk. I, DHC-2 Mk. II, and DHC-2 Mk. III airplanes. This AD results from mandatory continuing airworthiness information (MCAI) issued by the aviation authority of another country to identify and correct an unsafe condition on an aviation product. The MCAI describes the unsafe condition as failed locknuts on the horizontal stabilizer attach bracket. We are issuing this AD to require actions to address the unsafe condition on these products.

**DATES:** This AD is effective February 18, 2015.

The Director of the Federal Register approved the incorporation by reference of a certain publication listed in the AD as of February 18, 2015.

We must receive comments on this AD by March 16, 2015.

**ADDRESSES:** You may send comments by any of the following methods:

- *Federal eRulemaking Portal:* Go to <http://www.regulations.gov>. Follow the instructions for submitting comments.

- *Fax:* (202) 493-2251.

- *Mail:* U.S. Department of Transportation, Docket Operations, M-30, West Building Ground Floor, Room W12-140, 1200 New Jersey Avenue SE., Washington, DC 20590.

- *Hand Delivery:* U.S. Department of Transportation, Docket Operations, M-30, West Building Ground Floor, Room W12-140, 1200 New Jersey Avenue SE., Washington, DC 20590, between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays.

For service information identified in this AD, contact Viking Air Limited Technical Support, 1959 De Havilland Way, Sidney, British Columbia, Canada, V8L 5V5; Fax: 250-656-0673; telephone: (North America) 1-800-663-8444; email: [technical.support@vikingair.com](mailto:technical.support@vikingair.com); Internet: <http://www.vikingair.com/support/service-bulletins>. You may view this referenced service information at the FAA, Small Airplane Directorate, 901 Locust, Kansas City, Missouri 64106. For information on the availability of this material at the FAA, call (816) 329-4148.

#### Examining the AD Docket

You may examine the AD docket on the Internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2015-0096; or in person at the Docket Management Facility between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The AD docket contains this AD, the regulatory evaluation, any comments received, and other information. The street address for the Docket Office (telephone (800) 647-5527) is in the **ADDRESSES** section. Comments will be available in the AD docket shortly after receipt.

**FOR FURTHER INFORMATION CONTACT:** Aziz Ahmed, Aerospace Safety Engineer, FAA, New York Aircraft Certification Office (ACO), 1600 Steward Avenue, Suite 410, Westbury, New York 11590; telephone: (516) 228-7329; fax: (516) 794-5531; email: [aziz.ahmed@faa.gov](mailto:aziz.ahmed@faa.gov).

#### SUPPLEMENTARY INFORMATION:

##### Discussion

Transport Canada, which is the aviation authority for Canada, has issued AD No. CF-2014-38, dated October 20, 2014 (referred to after this as “the MCAI”), to correct an unsafe condition for Viking Air Limited Models DHC-2 Mk. I, DHC-2 Mk. II, and DHC-2 Mk. III airplanes. The MCAI states:

There has been an in-service report of failed MS21042 locknuts on the horizontal stabilizer attach bracket of a DHC-2 Mk. I aeroplane. Laboratory examinations of these nuts found intergranular fractures typical of hydrogen embrittlement possibly due to the introduction of hydrogen during the manufacturing process.

Failure of these nuts could result in detachment of the horizontal stabilizer and loss of control of the aeroplane.

This AD mandates the inspection and replacement, of the horizontal stabilizer attach bracket MS21042 locknuts.

You may examine the MCAI on the Internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2015-0096.

#### Relevant Service Information

Viking Air Limited has issued Viking Alert Service Bulletin No. V2/0007, Revision ‘NC’, dated April 29, 2013. The actions described in this service information are intended to correct the unsafe condition identified in the MCAI. The service bulletin describes procedures to inspect and replace the horizontal stabilizer attach bracket locknuts. You can find this service information on the Internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2015-0096.

#### FAA’s Determination and Requirements of the AD

This product has been approved by the aviation authority of another country, and is approved for operation in the United States. Pursuant to our bilateral agreement with this State of Design Authority, they have notified us of the unsafe condition described in the MCAI and service information referenced above. We are issuing this AD because we evaluated all information provided by the State of Design Authority and determined the unsafe condition exists and is likely to exist or develop on other products of the same type design.

#### FAA’s Determination of the Effective Date

An unsafe condition exists that requires the immediate adoption of this AD. The FAA has found that the risk to the flying public justifies waiving notice and comment prior to adoption of this rule because failure of any locknut on the horizontal stabilizer attach bracket could result in detachment of the horizontal stabilizer and consequent loss of control. Therefore, we determined that notice and opportunity for public comment before issuing this AD are impracticable and that good cause exists for making this amendment effective in fewer than 30 days.

#### Comments Invited

This AD is a final rule that involves requirements affecting flight safety, and we did not precede it by notice and opportunity for public comment. We invite you to send any written relevant data, views, or arguments about this AD. Send your comments to an address listed under the **ADDRESSES** section. Include “Docket No. FAA-2015-0096; Directorate Identifier 2014-CE-040-AD” at the beginning of your comments. We specifically invite comments on the overall regulatory, economic, environmental, and energy aspects of this AD. We will consider all comments received by the closing date and may

amend this AD because of those comments.

We will post all comments we receive, without change, to <http://www.regulations.gov>, including any personal information you provide. We will also post a report summarizing each substantive verbal contact we receive about this AD.

### Costs of Compliance

We estimate that this AD will affect 35 products of U.S. registry. We also estimate that it would take about 1 work-hour per product to comply with the basic requirements of this AD. The average labor rate is \$85 per work-hour.

Based on these figures, we estimate the cost of the AD on U.S. operators to be \$2,975, or \$85 per product.

In addition, we estimate that any necessary follow-on actions would take about 12 work-hours and require parts costing \$2 per locknut, or \$12 for a maximum of 6 locknuts, for a cost of \$1,032 per product. We have no way of determining the number of products that may need these actions.

### Authority for This Rulemaking

Title 49 of the United States Code specifies the FAA's authority to issue rules on aviation safety. Subtitle I, section 106, describes the authority of the FAA Administrator. "Subtitle VII: Aviation Programs," describes in more detail the scope of the Agency's authority.

We are issuing this rulemaking under the authority described in "Subtitle VII, Part A, Subpart III, Section 44701: General requirements." Under that section, Congress charges the FAA with promoting safe flight of civil aircraft in air commerce by prescribing regulations for practices, methods, and procedures the Administrator finds necessary for safety in air commerce. This regulation is within the scope of that authority because it addresses an unsafe condition that is likely to exist or develop on products identified in this rulemaking action.

### Regulatory Findings

We determined that this AD will not have federalism implications under Executive Order 13132. This AD will not have a substantial direct effect on the States, on the relationship between the national government and the States, or on the distribution of power and responsibilities among the various levels of government.

For the reasons discussed above, I certify that this AD:

(1) Is not a "significant regulatory action" under Executive Order 12866,

(2) Is not a "significant rule" under the DOT Regulatory Policies and Procedures (44 FR 11034, February 26, 1979),

(3) Will not affect intrastate aviation in Alaska, and

(4) Will not have a significant economic impact, positive or negative, on a substantial number of small entities under the criteria of the Regulatory Flexibility Act.

### List of Subjects in 14 CFR Part 39

Air transportation, Aircraft, Aviation safety, Incorporation by reference, Safety.

### Adoption of the Amendment

Accordingly, under the authority delegated to me by the Administrator, the FAA amends 14 CFR part 39 as follows:

### PART 39—AIRWORTHINESS DIRECTIVES

■ 1. The authority citation for part 39 continues to read as follows:

**Authority:** 49 U.S.C. 106(g), 40113, 44701.

#### § 39.13 [Amended]

■ 2. The FAA amends § 39.13 by adding the following new AD:

#### 2015-10-02 Viking Air Limited:

Amendment 39-18077; Docket No. FAA-2015-0096; Directorate Identifier 2014-CE-040-AD.

#### (a) Effective Date

This airworthiness directive (AD) becomes effective February 18, 2015.

#### (b) Affected ADs

None.

#### (c) Applicability

This AD applies to Viking Air Limited Models DHC-2 Mk. I, DHC-2 Mk. II, and DHC-2 Mk. III airplanes, all serial numbers, certificated in any category.

#### (d) Subject

Air Transport Association of America (ATA) Code 27: Flight Controls.

#### (e) Reason

This AD was prompted by mandatory continuing airworthiness information (MCAI) issued by the aviation authority of another country to identify and correct an unsafe condition on an aviation product. The MCAI describes the unsafe condition as failed locknuts on the horizontal stabilizer attach bracket. We are issuing this AD to detect and replace suspect horizontal stabilizer attach bracket locknuts, which could result in detachment of the horizontal stabilizer and consequent loss of control.

#### (f) Actions and Compliance

Unless already done, do the following actions in paragraphs (f)(1) and (f)(2).

(1) Within the next 50 hours time-in-service after February 18, 2015 (the effective

date of this AD), inspect the six locknuts of the horizontal stabilizer attach brackets to determine their type following the Accomplishment Instructions in Viking Alert Service Bulletin No. V2/0007, Revision 'NC', dated April 29, 2013.

(2) If during the inspection required in paragraph (f)(1) of this AD any of the installed locknuts is of the part number (P/N) MS21042 type, before further flight, remove the locknut and replace with a new P/N MS21044 type locknut following the Accomplishment Instructions in Viking Alert Service Bulletin No. V2/0007, Revision 'NC', dated April 29, 2013.

(3) After February 18, 2015 (the effective date of this AD), do not install P/N MS21042 type locknuts on the horizontal stabilizer attach bracket.

### (g) Other FAA AD Provisions

The following provisions also apply to this AD:

(1) *Alternative Methods of Compliance (AMOCs):* The Manager, Standards Office, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. Send information to ATTN: Aziz Ahmed, Aerospace Safety Engineer, FAA, New York Aircraft Certification Office (ACO), 1600 Steward Avenue, Suite 410, Westbury, New York 11590; telephone: (516) 228-7329; fax: (516) 794-5531; email: [aziz.ahmed@faa.gov](mailto:aziz.ahmed@faa.gov). Before using any approved AMOC on any airplane to which the AMOC applies, notify your appropriate principal inspector (PI) in the FAA Flight Standards District Office (FSDO), or lacking a PI, your local FSDO.

(2) *Airworthy Product:* For any requirement in this AD to obtain corrective actions from a manufacturer or other source, use these actions if they are FAA-approved. Corrective actions are considered FAA-approved if they are approved by the State of Design Authority (or their delegated agent). You are required to assure the product is airworthy before it is returned to service.

(3) *Reporting Requirements:* For any reporting requirement in this AD, a federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with a collection of information subject to the requirements of the Paperwork Reduction Act unless that collection of information displays a current valid OMB Control Number. The OMB Control Number for this information collection is 2120-0056. Public reporting for this collection of information is estimated to be approximately 5 minutes per response, including the time for reviewing instructions, completing and reviewing the collection of information. All responses to this collection of information are mandatory. Comments concerning the accuracy of this burden and suggestions for reducing the burden should be directed to the FAA at: 800 Independence Ave. SW., Washington, DC 20591, Attn: Information Collection Clearance Officer, AES-200.

### (h) Related Information

Refer to MCAI, Transport Canada AD No. CF-2014-38, dated October 20, 2014, for

related information. You may examine the MCAI on the Internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2015-0096.

**(i) Material Incorporated by Reference**

(1) The Director of the Federal Register approved the incorporation by reference (IBR) of the service information listed in this paragraph under 5 U.S.C. 552(a) and 1 CFR part 51.

(2) You must use this service information as applicable to do the actions required by this AD, unless the AD specifies otherwise.

(i) Viking Alert Service Bulletin No. V2/0007, Revision 'NC', dated April 29, 2013.

(ii) Reserved.

(3) For Viking Air Limited service information identified in this AD, contact Viking Air Limited Technical Support, 1959 De Havilland Way, Sidney, British Columbia, Canada, V8L 5V5; Fax: 250-656-0673; telephone: (North America) 1-800-663-8444; email: [technical.support@vikingair.com](mailto:technical.support@vikingair.com); Internet: <http://www.vikingair.com/support/service-bulletins>.

(4) You may view this service information at the FAA, Small Airplane Directorate, 901 Locust, Kansas City, Missouri 64106. For information on the availability of this material at the FAA, call (816) 329-4148.

(5) You may view this service information that is incorporated by reference at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: <http://www.archives.gov/federal-register/cfr/ibr-locations.html>.

Issued in Kansas City, Missouri on January 14, 2015.

**Kelly A. Broadway,**

*Acting Manager, Small Airplane Directorate, Aircraft Certification Service.*

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**DEPARTMENT OF TRANSPORTATION**

**Federal Aviation Administration**

**14 CFR Part 39**

**[Docket No. FAA-2014-0624; Directorate Identifier 2014-NM-005-AD; Amendment 39-18072; AD 2015-02-05]**

**RIN 2120-AA64**

**Airworthiness Directives; The Boeing Company Airplanes**

**AGENCY:** Federal Aviation Administration (FAA), DOT.

**ACTION:** Final rule.

**SUMMARY:** We are adopting a new airworthiness directive (AD) for all The Boeing Company Model 717-200 airplanes; Model DC-10-10, DC-10-10F, DC-10-15, DC-10-30, DC-10-30F (KC-10A and KDC-10), DC-10-40 and DC-10-40F airplanes; Model MD-10-

10F and MD-10-30F airplanes; Model DC-9-81 (MD-81), DC-9-82 (MD-82), DC-9-83 (MD-83), and DC-9-87 (MD-87) airplanes; Model MD-88 airplanes; and Model MD-90-30 airplanes. This AD was prompted by reports of latent air data transducer degradation. This AD requires revising the maintenance or inspection program, as applicable, to incorporate special compliance items (SCIs). We are issuing this AD to prevent erroneous air data information, which could lead to a mid-air collision within reduced vertical separation minimum (RVSM) airspace.

**DATES:** This AD is effective March 5, 2015.

The Director of the Federal Register approved the incorporation by reference of certain publications listed in this AD as of March 5, 2015.

**ADDRESSES:** For service information identified in this AD, contact Boeing Commercial Airplanes, Attention: Data & Services Management, 3855 Lakewood Boulevard, MC D800-0019, Long Beach, CA 90846-0001; telephone 206-544-5000, extension 2; fax 206-766-5683; Internet <https://www.myboeingfleet.com>. You may view this referenced service information at the FAA, Transport Airplane Directorate, 1601 Lind Avenue SW., Renton, WA. For information on the availability of this material at the FAA, call 425-227-1221.

**Examining the AD Docket**

You may examine the AD docket on the Internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2014-0624; or in person at the Docket Management Facility between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The AD docket contains this AD, the regulatory evaluation, any comments received, and other information. The address for the Docket Office (phone: 800-647-5527) is Docket Management Facility, U.S. Department of Transportation, Docket Operations, M-30, West Building Ground Floor, Room W12-140, 1200 New Jersey Avenue SE., Washington, DC 20590.

**FOR FURTHER INFORMATION CONTACT:**

Jeffrey W. Palmer, Aerospace Engineer, Systems and Equipment Branch, ANM-130L, Los Angeles Aircraft Certification Office (ACO), FAA, 3960 Paramount Boulevard, Lakewood, CA 90712-4137; phone: 562-627-5351; fax: 562-627-5210; email: [jeffrey.w.palmer@faa.gov](mailto:jeffrey.w.palmer@faa.gov).

**SUPPLEMENTARY INFORMATION:**

**Discussion**

We issued a notice of proposed rulemaking (NPRM) to amend 14 CFR part 39 by adding an AD that would apply to all The Boeing Company Model 717-200 airplanes; Model DC-10-10, DC-10-10F, DC-10-15, DC-10-30, DC-10-30F (KC-10A and KDC-10), DC-10-40 and DC-10-40F airplanes; Model MD-10-10F and MD-10-30F airplanes; Model DC-9-81 (MD-81), DC-9-82 (MD-82), DC-9-83 (MD-83), and DC-9-87 (MD-87) airplanes; Model MD-88 airplanes; and Model MD-90-30 airplanes. The NPRM published in the **Federal Register** on September 12, 2014 (79 FR 54672). The NPRM was prompted by reports of latent air data transducer degradation. The NPRM proposed to require revising the maintenance or inspection program, as applicable, to incorporate SCIs. We are issuing this AD to correct the unsafe condition on these products.

**Comments**

We gave the public the opportunity to participate in developing this AD. We have considered the comment received. Boeing stated that it concurred with the NPRM (79 FR 54672, September 12, 2014).

**Conclusion**

We reviewed the relevant data, considered the comments received, and determined that air safety and the public interest require adopting this AD as proposed, except for minor editorial changes. We have determined that these minor changes:

- Are consistent with the intent that was proposed in the NPRM (79 FR 54672, September 12, 2014) for correcting the unsafe condition; and
- Do not add any additional burden upon the public than was already proposed in the NPRM (79 FR 54672, September 12, 2014).

**Related Service Information**

We reviewed Boeing Report No. MDC-02K1003, Trijet Special Compliance Item (SCI) Report 34-4, "Functional Test of the Captain and First Officer's Altimeter," Revision K, dated February 1, 2013; and Boeing Report No. MDC-92K9145, Twinjet SCI Report 34-1—"Functional Test of the Captain and First Officer's Altimeter," Revision M, dated February 5, 2013. The service information describes procedures for a functional test of the captain and first officer's altimeters. You can find this information at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2014-0624.