

**DEPARTMENT OF TRANSPORTATION****Federal Aviation Administration****14 CFR Part 39**

[Docket No. 98-NM-84-AD; Amendment 39-10911; AD 98-24-25]

RIN 2120-AA64

**Airworthiness Directives; Lockheed Model L-188A and L-188C Series Airplanes**

**AGENCY:** Federal Aviation Administration, DOT.

**ACTION:** Final rule.

**SUMMARY:** This amendment adopts a new airworthiness directive (AD), applicable to all Lockheed Model L-188A and L-188C series airplanes, that requires revising the Airplane Flight Manual to provide the flightcrew with modified procedures and limitations for operating in icing conditions. This amendment is prompted by incidents and accidents involving airplanes equipped with turboprop engines that experienced tailplane stall due to ice accretion on the horizontal stabilizer of the airplane. The actions specified by this AD are intended to prevent undetected accretion of ice on the horizontal stabilizer, which could result in ice contaminated tailplane stall and consequent loss of pitch control.

**DATES:** Effective December 30, 1998.

The incorporation by reference of certain publications listed in the regulations is approved by the Director of the **Federal Register** as of December 30, 1998.

**ADDRESSES:** The service information referenced in this AD may be obtained from Lockheed Aeronautical Systems Support Company (LASSC), Field Support Department, Dept. 693, Zone 0755, 2251 Lake Park Drive, Smyrna, Georgia 30080. This information may be examined at the Federal Aviation Administration (FAA), Transport Airplane Directorate, Rules Docket, 1601 Lind Avenue, SW., Renton, Washington; or at the FAA, Small Airplane Directorate, Atlanta Aircraft Certification Office, One Crown Center, 1895 Phoenix Boulevard, suite 450, Atlanta, Georgia; or at the Office of the Federal Register, 800 North Capitol Street, NW., suite 700, Washington, DC.

**FOR FURTHER INFORMATION CONTACT:** Thomas Peters, Aerospace Engineer, Systems and Flight Test Branch, ACE-116A, FAA, Small Airplane Directorate, Atlanta Aircraft Certification Office, One Crown Center, 1895 Phoenix Boulevard, suite 450, Atlanta, Georgia

30337-2748; telephone (770) 703-6063; fax (770) 703-6097.

**SUPPLEMENTARY INFORMATION:** A proposal to amend part 39 of the Federal Aviation Regulations (14 CFR part 39) to include an airworthiness directive (AD) that is applicable to all Lockheed Model L-188A and L-188C series airplanes was published in the **Federal Register** on August 13, 1998 (63 FR 43340). That action proposed to require revising the Airplane Flight Manual to provide the flightcrew with modified procedures and limitations for operating in icing conditions.

**Comments**

Interested persons have been afforded an opportunity to participate in the making of this amendment. Due consideration has been given to the single comment received.

The commenter supports the proposed rule.

**Conclusion**

After careful review of the available data, including the comment noted above, the FAA has determined that air safety and the public interest require the adoption of the rule as proposed.

**Cost Impact**

There are approximately 75 airplanes of the affected design in the worldwide fleet. The FAA estimates that 32 airplanes of U.S. registry will be affected by this AD, that it will take approximately 1 work hour per airplane to accomplish the required incorporation of the AFM revisions, and that the average labor rate is \$60 per work hour. Based on these figures, the cost impact of the AD on U.S. operators is estimated to be \$1,920, or \$60 per airplane.

The cost impact figure discussed above is based on assumptions that no operator has yet accomplished any of the requirements of this AD action, and that no operator would accomplish those actions in the future if this AD were not adopted.

**Regulatory Impact**

The regulations adopted herein will not have substantial direct effects 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. Therefore, in accordance with Executive Order 12612, it is determined that this final rule does not have sufficient federalism implications to warrant the preparation of a Federalism Assessment.

For the reasons discussed above, I certify that this action (1) is not a

“significant regulatory action” under Executive Order 12866; (2) is not a “significant rule” under DOT Regulatory Policies and Procedures (44 FR 11034, February 26, 1979); and (3) 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. A final evaluation has been prepared for this action and it is contained in the Rules Docket. A copy of it may be obtained from the Rules Docket at the location provided under the caption **ADDRESSES**.

**List of Subjects in 14 CFR Part 39**

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

**Adoption of the Amendment**

Accordingly, pursuant to the authority delegated to me by the Administrator, the Federal Aviation Administration amends part 39 of the Federal Aviation Regulations (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. Section 39.13 is amended by adding the following new airworthiness directive:

**98-24-25 Lockheed:** Amendment 39-10911. Docket 98-NM-84-AD.

**Applicability:** All Model L-188A and L-188C series airplanes, certificated in any category.

**Note 1:** This AD applies to each airplane identified in the preceding applicability provision, 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 (b) 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 the unsafe condition has not been eliminated, the request should include specific proposed actions to address it.

**Compliance:** Required as indicated, unless accomplished previously.

To prevent undetected accretion of ice on the horizontal stabilizer, which could result in ice contaminated tailplane stall and consequent loss of pitch control, accomplish the following:

(a) Within 30 days after the effective date of this AD, revise the Limitations, Normal Procedures, and Performance Sections and Appendix III of the FAA-approved Electra 188A or 188C Airplane Flight Manual (AFM),

as applicable, to include the pages specified in Table 1 (for Model L-188A series airplanes), Table 2 (for Model L-188C series airplanes not equipped with Hamilton Standard propellers), or Table 3 (for Model

L-188C series airplanes equipped with Hamilton Standard propellers) of this AD, as applicable.

TABLE 1.—REVISIONS TO THE ELECTRA 188A AFM FOR ALL MODEL L-188A SERIES AIRPLANES

Section number	Section	Page number	Date shown on page
Preface .....	Log of Pages .....	i	March 10, 1998.
Preface .....	Log of Pages .....	ii	March 10, 1998.
1 .....	Limitations .....	6	December 1, 1997.
3 .....	Normal Procedures .....	10.1	December 1, 1997.
3 .....	Normal Procedures .....	11	March 10, 1998.
3 .....	Normal Procedures .....	12	December 1, 1997.
4 .....	Performance .....	A	December 1, 1997.
4 .....	Performance .....	6	December 1, 1997.
4 .....	Performance .....	8	December 1, 1997.
4 .....	Performance .....	12	December 1, 1997.
4 .....	Performance .....	12.1	December 1, 1997.
4 .....	Performance .....	12.2	December 1, 1997.
Appendix III .....	Alt. Flap Data .....	B	December 1, 1997.

TABLE 2.—REVISIONS TO THE ELECTRA 188C AFM FOR MODEL L-188C SERIES AIRPLANES NOT EQUIPPED WITH HAMILTON STANDARD PROPELLERS

Section number	Section	Page number	Date shown on page
Preface .....	Log of Pages .....	i	March 10, 1998.
Preface .....	Log of Pages .....	ii	March 10, 1998.
1 .....	Limitations .....	6	December 1, 1997.
3 .....	Normal Procedures .....	12.1	December 1, 1997.
3 .....	Normal Procedures .....	13	March 10, 1998.
3 .....	Normal Procedures .....	14	December 1, 1997.
4 .....	Performance .....	A	December 1, 1997.
4 .....	Performance .....	6	December 1, 1997.
4 .....	Performance .....	8	December 1, 1997.
4 .....	Performance .....	12	December 1, 1997.
4 .....	Performance .....	12.1	December 1, 1997.
4 .....	Performance .....	12.2	December 1, 1997.
Appendix III .....	Alt. Flap Data .....	B	December 1, 1997.

TABLE 3.—REVISIONS TO THE ELECTRA 188C AFM FOR MODEL L-188C SERIES AIRPLANES NOT EQUIPPED WITH HAMILTON STANDARD PROPELLERS

Section number	Section	Page number	Date shown on page
Preface .....	Log of Pages .....	i	March 10, 1998.
Preface .....	Log of Pages .....	ii	March 10, 1998.
1 .....	Limitations .....	6	December 1, 1997.
3 .....	Normal Procedures .....	12.1	December 1, 1997.
3 .....	Normal Procedures .....	13	March 10, 1998.
3 .....	Normal Procedures .....	14	December 1, 1997.
A4 .....	Performance .....	A	December 1, 1997.
A4 .....	Performance .....	6	December 1, 1997.
A4 .....	Performance .....	8	December 1, 1997.
A4 .....	Performance .....	12	December 1, 1997.
A4 .....	Performance .....	12.1	December 1, 1997.
A4 .....	Performance .....	12.2	December 1, 1997.
Appendix AIII .....	Alt. Flap Data .....	B	December 1, 1997.

(b) An alternative method of compliance or adjustment of the compliance time that provides an acceptable level of safety may be used if approved by the Manager, Atlanta Aircraft Certification Office (ACO), FAA, Small Airplane Directorate. Operators shall submit their requests through an appropriate

FAA Principal Operations Inspector, who may add comments and then send it to the Manager, Atlanta ACO.

**Note 2:** Information concerning the existence of approved alternative methods of compliance with this AD, if any, may be obtained from the Atlanta ACO.

(c) Special flight permits may be issued in accordance with sections 21.197 and 21.199 of the Federal Aviation Regulations (14 CFR 21.197 and 21.199) to operate the airplane to a location where the requirements of this AD can be accomplished.

(d) The AFM revisions shall be done in accordance with the following Lockheed

Airplane Flight Manuals, which contain the specified list of effective pages:

Airplane flight manuals	Page number	Date shown on page
Electra Model 188A ..... March 10, 1998 .....	Log of Pages ..... Pages i through Jii	March 10, 1998.
Electra Model 188C ..... March 10, 1998 .....	Log of Pages ..... Pages i through Lii	March 10, 1998.

This incorporation by reference was approved by the Director of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Copies may be obtained from Lockheed Aeronautical Systems Support Company (LASSC), Field Support Department, Dept. 693, Zone 0755, 2251 Lake Park Drive, Smyrna, Georgia 30080. Copies may be inspected at the FAA, Transport Airplane Directorate, 1601 Lind Avenue, SW., Renton, Washington; or at the FAA, Small Airplane Directorate, Atlanta Aircraft Certification Office, One Crown Center, 1895 Phoenix Boulevard, suite 450, Atlanta, Georgia; or at the Office of the Federal Register, 800 North Capitol Street, NW., suite 700, Washington, DC.

(e) This amendment becomes effective on December 30, 1998.

Issued in Renton, Washington, on November 17, 1998.

**Darrell M. Pederson,**

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

[FR Doc. 98-31319 Filed 11-24-98; 8:45 am]

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## DEPARTMENT OF TRANSPORTATION

### Federal Aviation Administration

#### 14 CFR Part 39

[Docket No. 98-NM-71-AD; Amendment 39-10910; AD 98-24-24]

RIN 2120-AA64

#### **Airworthiness Directives; McDonnell Douglas Model MD-11 Series Airplanes**

**AGENCY:** Federal Aviation Administration, DOT.

**ACTION:** Final rule.

**SUMMARY:** This amendment adopts a new airworthiness directive (AD), applicable to certain MD-11 series airplanes, that requires a one-time visual inspection to detect discrepancies of the seat tracks and adjacent structure underneath lavatories, and repair, if necessary. This amendment also requires installation of a non-metallic barrier on the bottom of each lavatory foot fitting, and replacement of existing seat track fittings with new seat track fittings. This amendment is prompted by reports of galvanic corrosion found

on the seat tracks at attachment points under certain lavatories. The actions specified by this AD are intended to prevent corrosion of seat tracks and adjacent structure. Corrosion of the seat tracks and adjacent structure could result in shifting of lavatories, which could lead to injury of passengers and crew, as well as damage to aircraft structure and systems.

**DATES:** Effective December 30, 1998.

The incorporation by reference of certain publications listed in the regulations is approved by the Director of the Federal Register as of December 30, 1998.

**ADDRESSES:** The service information referenced in this AD may be obtained from The Boeing Company, Douglas Products Division, 3855 Lakewood Boulevard, Long Beach, California 90846, Attention: Technical Publications Business Administration, Dept. C1-L51 (2-60). This information may be examined at the Federal Aviation Administration (FAA), Transport Airplane Directorate, Rules Docket, 1601 Lind Avenue, SW., Renton, Washington; or at the FAA, Transport Airplane Directorate, Los Angeles Aircraft Certification Office, 3960 Paramount Boulevard, Lakewood, California; or at the Office of the Federal Register, 800 North Capitol Street, NW., suite 700, Washington, DC.

#### **FOR FURTHER INFORMATION CONTACT:**

David Hsu, Aerospace Engineer, Airframe Branch, ANM-120L, FAA, Transport Airplane Directorate, Los Angeles Aircraft Certification Office, 3960 Paramount Boulevard, Lakewood, California 90712-4137; telephone (562) 627-5323; fax (562) 627-5210.

#### **SUPPLEMENTARY INFORMATION:**

A proposal to amend part 39 of the Federal Aviation Regulations (14 CFR part 39) to include an airworthiness directive (AD) that is applicable to certain MD-11 series airplanes was published in the **Federal Register** on September 3, 1998 (63 FR 46934). That action proposed to require a one-time visual inspection to detect discrepancies of the seat tracks and adjacent structure underneath lavatories, and repair, if necessary. The action also proposed to require installation of a non-metallic barrier on

the bottom of each lavatory foot fitting, and replacement of existing seat track fittings with new seat track fittings.

#### **Comments**

Interested persons have been afforded an opportunity to participate in the making of this amendment. Due consideration has been given to the single comment received.

The commenter supports the proposed rule.

#### **Conclusion**

After careful review of the available data, including the comment noted above, the FAA has determined that air safety and the public interest require the adoption of the rule as proposed.

#### **Cost Impact**

There are approximately 143 airplanes of the affected design in the worldwide fleet. The FAA estimates that 46 airplanes of U.S. registry will be affected by this AD, that it will take approximately 40 work hours per airplane to accomplish the required inspection, installation, and replacement, and that the average labor rate is \$60 per work hour. Required parts will cost less than \$1,000 per airplane. Based on these figures, the cost impact of the AD on U.S. operators is estimated to be \$156,400, or \$3,400 per airplane.

The cost impact figure discussed above is based on assumptions that no operator has yet accomplished any of the requirements of this AD action, and that no operator would accomplish those actions in the future if this AD were not adopted.

#### **Regulatory Impact**

The regulations adopted herein will not have substantial direct effects 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. Therefore, in accordance with Executive Order 12612, it is determined that this final rule does not have sufficient federalism implications to warrant the preparation of a Federalism Assessment.