

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:

2003-03-07 Embraer: Amendment 39-13031. Docket 99-NM-83-AD.

Applicability: Model EMB-145 series airplanes, serial numbers 145004 through 145058 inclusive, and 145060; 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 (c) 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 reduced structural integrity of the wing flap support structure, accomplish the following:

Reinforcement Installation

(a) Prior to the accumulation of 8,000 total flight cycles, or within 45 days after the effective date of this AD, whichever occurs later, install reinforcements in the lower portion of rib 15 on the left-hand and right-hand sides of the airplane in accordance with EMBRAER Service Bulletin 145-57-0008, Change No. 01, dated February 12, 1999; Change No. 02, dated April 7, 1999; or Change No. 03, dated May 14, 1999.

(b) Installation in accordance with EMBRAER Service Bulletin 145-57-0008, dated October 21, 1998, accomplished prior to the effective date of this AD, is also acceptable for compliance with the requirements of paragraph (a) of this AD.

Alternative Methods of Compliance

(c) 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,

International Branch, ANM-116, Transport Airplane Directorate, FAA. Operators shall submit their requests through an appropriate FAA Principal Maintenance Inspector, who may add comments and then send it to the Manager, International Branch, ANM-116.

Note 2: Information concerning the existence of approved alternative methods of compliance with this AD, if any, may be obtained from the International Branch, ANM-116.

Special Flight Permits

(d) 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.

Incorporation by Reference

(e) Unless otherwise specified by this AD, the installation shall be done in accordance with EMBRAER Service Bulletin 145-57-0008, Change No. 01, dated February 12, 1999; EMBRAER Service Bulletin 145-57-0008, Change No. 02, dated April 7, 1999; or EMBRAER Service Bulletin 145-57-0008, Change No. 03, dated May 14, 1999. EMBRAER Service Bulletin 145-57-0008, Change No. 01, dated February 12, 1999, contains the following effective pages:

Page number	Change no. shown on page	Date shown on page
1, 2	01	February 12, 1999.
3-10	Original	October 21, 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 Empresa Brasileira de Aeronautica S.A. (EMBRAER), P.O. Box 343—CEP 12.225, Sao Jose dos Campos—SP, Brazil. Copies may be inspected at the FAA, Transport Airplane Directorate, 1601 Lind Avenue, SW., Renton, Washington; or at the Office of the Federal Register, 800 North Capitol Street, NW., suite 700, Washington, DC.

Note 3: The subject of this AD is addressed in Brazilian airworthiness directive 1999-01-02R1, dated March 15, 1999.

Effective Date

(f) This amendment becomes effective on March 5, 2003.

Issued in Renton, Washington, on January 22, 2003.

Vi L. Lipski,

Manager, Transport Airplane Directorate,
Aircraft Certification Service.

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DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

[Docket No. 2001-NM-274-AD; Amendment 39-13029; AD 2003-03-05]

RIN 2120-AA64

Airworthiness Directives; Boeing Model 737-300, -400, and -500 Series Airplanes

AGENCY: Federal Aviation Administration, DOT.

ACTION: Final rule.

SUMMARY: This amendment supersedes an existing airworthiness directive (AD), applicable to certain Boeing Model 737-300, -400, and -500 series airplanes, that currently requires replacement, with new parts, of the existing actuators or the rod ends on the existing actuators at wing leading edge slat positions 1, 2, 5, and 6. This amendment adds a one-time inspection of all the rod ends on the actuators of the wing leading edge slats to determine if vibro-engraving was used to identify the parts, and corrective action, if necessary. This amendment is

prompted by reports indicating that vibro-engraving was found on new rod ends during installation; such part markings create stress risers that reduce the fatigue life of the rod ends. The actions specified by this AD are intended to prevent fatigue cracking, which could result in failure of the rod ends, uncommanded deployment of the wing leading edge slat, and consequent reduced controllability of the airplane. This action is intended to address the identified unsafe condition.

DATES: Effective March 5, 2003.

The incorporation by reference of Boeing Alert Service Bulletin 737-27A1243, dated July 26, 2001, excluding Evaluation Form; and Boeing Alert Service Bulletin 737-27A1211, Revision 2, dated December 21, 2000, including Information Notice 737-27A1211 IN 03, dated July 26, 2001, excluding Evaluation Form; as listed in the regulations, is approved by the Director of the Federal Register as of March 5, 2003.

The incorporation by reference of Boeing Alert Service Bulletin 737-27A1211, dated November 19, 1998; and Revision 1, dated December 9, 1999; as listed in the regulations, was approved