

PŘÍKAZ K ZACHOVÁNÍ LETOVÉ ZPŮSOBILOSTI

CAA-AD-116/2001

Datum vydání: 18. prosince 2001

LETOUN - POMOCNÁ ENERGETICKÁ JEDNOTKA (APU) - ELEKTROINSTALACE - KONTROLA/VÝMĚNA

Týká se: letadel Boeing 737-100, -200 a -200C; uvedených v Boeing Special Attention Service Bulletin 737-24-1144, Revision 1, vydaném dne 21. června 2001; certifikovaných v kterékoliv kategorii.

Datum účinnosti: 24. ledna 2002

Provést v termínech: Jak je popsáno v FAA AD 2001-24-33, od data účinnosti tohoto PZZ.

Postup provedení prací: Dle FAA AD 2001-24-33 (příloha tohoto PZZ).

Poznámky: Provedení tohoto PZZ musí být zapsáno do letadlové knihy. Případné dotazy týkající se tohoto PZZ adresujte na ÚCL sekce technická - Ing. Toman. Pokud to vyžaduje povaha tohoto PZZ, musí být zapracován do příslušné části dokumentace pro obsluhu, údržbu a opravy letadla. Tento PZZ byl vypracován na základě FAA AD 2001-24-33.

Ing. Pavel MATOUŠEK
Ředitel sekce technické
Úřad pro civilní letectví

2001-24-33 Boeing: Amendment 39-12550. Docket 2001-NM-221-AD.

Applicability: Model 737-100, -200, and -200C series airplanes; as listed in Boeing Special Attention Service Bulletin 737-24-1144, Revision 1, dated June 21, 2001; 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 a short circuit and resultant arcing between the power feeder wire bundle for the auxiliary power unit (APU) generator and the first officer's elevator down control cable, which could sever the control cable, and, if combined with a subsequent failure of the captain's elevator down control cable, result in loss of elevator control of the airplane, accomplish the following:

Inspection and Corrective Actions

(a) Within 18 months after the effective date of this AD, perform a one-time detailed visual inspection for damage (i.e., chafing) of the power feeder wire bundle for the APU generator (wire bundle W146) and the first officer's elevator down control cable and for proper separation between that control cable and wire bundle, and attach wire bundle W146 to adjacent wire bundles, as applicable. Do these actions according to Boeing Special Attention Service Bulletin 737-24-1144, Revision 1, dated June 21, 2001.

Note 2: For the purposes of this AD, a detailed visual inspection is defined as: "An intensive visual examination of a specific structural area, system, installation, or assembly to detect damage, failure, or irregularity. Available lighting is

normally supplemented with a direct source of good lighting at intensity deemed appropriate by the inspector. Inspection aids such as mirror, magnifying lenses, etc., may be used. Surface cleaning and elaborate access procedures may be required."

(1) If no damage to the control cable or wire bundle is found, and if the distance between the control cable and wire bundle is equal to or greater than the minimum separation distance specified in the service bulletin: No further action is required.

(2) If any damage to the first officer's elevator down cable is found: Before further flight, replace the elevator down control cable with a new cable according to the service bulletin, and do paragraph (a)(4) of this AD.

(3) If any damage to the power feeder wire bundle for the APU generator (wire bundle W146) is found: Before further flight, repair the wire bundle according to the service bulletin, and do paragraph (a)(4) of this AD.

(4) If the distance between the control cable and wire bundle is less than the minimum separation distance specified in the service bulletin: Before further flight, reroute the wire bundle by turning wire bundle clamps to a position that provides minimum separation between the wire bundle and control cable, according to the service bulletin.

Alternative Methods of Compliance

(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, Seattle Aircraft Certification Office (ACO), FAA. Operators shall submit their requests through an appropriate FAA Principal Maintenance Inspector, who may add comments and then send it to the Manager, Seattle ACO.

Note 3: Information concerning the existence of approved alternative methods of compliance with this AD, if any, may be obtained from the Seattle ACO.

Special Flight Permits

(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.

Incorporation by Reference

(d) The actions shall be done in accordance with Boeing Special Attention Service Bulletin 737-24-1144, Revision 1, dated June 21, 2001. 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 Boeing Commercial Airplane Group, P.O. Box 3707, Seattle, Washington 98124-2207. 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.

Effective Date

(e) This amendment becomes effective on January 16, 2002.

Issued in Renton, Washington, on November 28, 2001.

Vi L. Lipski,

Manager, Transport Airplane Directorate, Aircraft Certification Service.

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