



CIVIL AVIATION AUTHORITY
CZECH REPUBLIC
Airworthiness Division

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AIRWORTHINESS DIRECTIVE

Number: CAA-AD-092/2003 - correction

Date of issue: January 14, 2004

TITEFLEX CORPORATION

APPLIANCE - HOSES - INSPECTION

Applicability: This AD applies to certain Titeflex Corporation hoses that are identified by Boeing part number (P/N), or for certain hoses, by Titeflex parts manufacturer approval (PMA) P/N in this AD. These hoses are used on, but not limited to, Boeing 737-300, -400, -500, - 600, -700, -700C, -800, and -900; 757-200 and -300; 767-200, -300, and -300F; and 747-400 airplanes.

Effective date: February 19, 2004

Compliance: Required as indicated FAA AD 2003-23-05 Correction.

Remarks: The compliance of this AD must be recorded in Aircraft Logbook, where applicable the requirements of this AD must be integrated into Aircraft Technical Documentation. Address inquiries concerning this AD to: Civil Aviation Authority, Airworthiness Division, Ruzyně Airport, 160 08 Prague 6, Czech Republic, tel.: 420 2 33320922, fax: 420 2 20562270.

Ing. Pavel MATOUŠEK
Director

2003-23-05 Titeflex Corporation: Amendment 39-13369. Docket No. 2002-NE-22-AD.

Effective Date

(a) This AD becomes effective December 24, 2003.

Affected ADs

(b) None.

Applicability

(c) This AD applies to certain Titeflex Corporation hoses that are identified by Boeing part number (P/N), or for certain hoses, by Titeflex parts manufacturer approval (PMA) P/N in this AD. These hoses are used on, but not limited to, Boeing 737-300, -400, -500, - 600, -700, -700C, -800, and -900; 757-200 and -300; 767-200, -300, and -300F; and 747-400 airplanes.

Unsafe Condition

(d) This AD is prompted by certain Titeflex Corporation hoses discovered with incorrect heat treatment of B-nuts. The actions specified in this AD are intended to prevent fire extinguishing system and fuel system hose failure due to improperly heat treated aluminum B-nuts.

Compliance

(e) Compliance with this AD is required as indicated, unless already done.

(f) Within 24 months after the effective date of this AD, inspect the manufacture date code on all hoses listed in Table 1 of this AD. Use the Accomplishment Instructions of the applicable Boeing alert service bulletins (ASB) contained in the following Table 1.

Table 1.--Applicable Hose P/Ns

Airplane model	Boeing hose P/N	Titeflex PMA P/N	Used for	Applicable alert service bulletin
(1) 737-300, -400, and -500 airplanes.	S312N512-5 S312N512-6 BACH5R0110YP BACH5S0110XN	113701-5 113701-6	Engine and cargo compartment fire extinguishing bottles.	737-26A1108, Revision 1, dated June 27, 2002.
(2) 737-600, -700,-700C, -800, -900 airplanes.	S316A001-1 S316A001-2 S312N512-15 S312N512-17 S312N512-18 BACH5R0110YP BACH5S0110XN	115398-1 115398-2 113701-15 113701-17 113701-18	Engine, auxiliary power unit (APU), and cargo compartment and fire extinguishing bottles, and wing-to-strut fuel hoses.	737-26A1109, Revision 2, dated May 8, 2003.
(3) 747-400 airplanes	BACH5R0080YY BACH5R0140YU BACH5S0140XT BACH5R0186YY BACH5R0186XX BACH5S0080XX BACH5S0110XN		Forward cargo and main deck cargo compartment fire extinguishing bottles.	747-26A2269, Revision 1, dated June 6, 2002.
(4) 757-200 airplanes	S312N512-1 S312N512-2 S312N512-3	113701-1 113701-2 113701-3	Engine, APU, and cargo compartment fire extinguishing	757-26A0043, Revision 1, dated November 14, 2002.

	S312N512-4 BACH5R0110YP BACH5S0110XN No Number	113701-4 109422	bottles.	
(5) 757-300 airplanes	S312N512-1 S312N512-2 S312N512-3 S312N512-4 BACH5R0110YP BACH5S0074XN Optional 453N2240-33	113701-1 113701-2 113701-3 113701-4	Engine and cargo compartment fire extinguishing bottles.	757-26A0044, Revision 1, dated November 14, 2002.
(6) 767-200, -300, and -300F airplanes.	BACH5R0085YU BACH5R0140YU BACH5S0077XT BACH5S0140XT BACH5S0184XX BACH5R0127YY		Cargo compartment fire extinguishing bottles.	767-26A0121, dated December 19, 2001.

(g) If the hose manufacture date code is before 11/99 or after 1/01, or if the manufacture date is 11/99 through 1/01 and there is a permanent white dot on the ID band, no further action is required for that hose.

(h) If the hose manufacture date code is 11/99 through 1/01 inclusive and there is no permanent white dot on the ID band, replace the hose with a serviceable hose or perform an indirect conductive inspection/test for proper heat treat. Use the accomplishment instructions of the applicable ASB listed in Table 1 of this AD.

(i) Replace the hose with a serviceable hose if any B-nut is improperly heat treated.

Credit For Previous Inspections

(j) Previous inspections performed using ASB 737-26A1108, dated November 15, 2001, ASB 737-26A1109, dated November 15, 2001, ASB 737-26A1109, Revision 1, dated November 7, 2002, ASB 747-26A2269, dated November 1, 2001, ASB 757-26A0043, dated November 15, 2001, and ASB 757-26A0044, dated November 15, 2001, comply with the inspection requirements of this AD.

Alternative Methods of Compliance

(k) The Manager, Boston Aircraft Certification Office, has the authority to approve alternative methods of compliance for this AD if requested using the procedures found in 14 CFR 39.19.

Material Incorporated by Reference

(l) The Director of the Federal Register approved the incorporation by reference of the documents listed in the following Table 2 in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. You can get a copy from Boeing Commercial Airplane Group, PO Box 3707, Seattle, Washington 98124-2207. You can review copies at the FAA, New England Region, Office of the Regional Counsel, 12 New England Executive Park, Burlington, MA; or at the Office of the Federal Register, 800 North Capitol Street, NW, suite 700, Washington, DC.

Table 2.--Incorporation by Reference

Alert service bulletin	Page number(s)	Revision	Date
737-26A1108 Total Pages: 48	ALL	1	June 27, 2002.
737-26A1109 Total Pages: 68	ALL	2	May 8, 2003.

747-26A2269 Total Pages: 36	ALL	1	June 6, 2002.
757-26A0043 Total Pages: 40	ALL	1	November 14, 2002.
757-26A0044 Total Pages: 34	ALL	1	November 14, 2002.
767-26A0121 Total Pages: 20	ALL	Original	December 19, 2001.

Related Information

(m) None.

▼ Footer Information

Issued in Burlington, Massachusetts, on November 10, 2003.
Francis A. Favara,
Acting Manager, Engine and Propeller Directorate,
Aircraft Certification Service.
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