
AIRWORTHINESS DIRECTIVE

For the reasons set out in the background section, the CASA delegate whose signature appears below issues the following Airworthiness Directive (AD) under subregulation 39.1 (1) of CASR 1998. The AD requires that the action set out in the requirement section (being action that the delegate considers necessary to correct the unsafe condition) be taken in relation to the aircraft or aeronautical product mentioned in the applicability section: (a) in the circumstances mentioned in the requirement section; and (b) in accordance with the instructions set out in the requirement section; and (c) at the time mentioned in the compliance section.

Hose Assemblies

AD/HOSE/8

Titeflex Hoses

7/2004

Applicability: Titeflex Corporation hoses installed on, but not limited to, Boeing 737-300, -400, -500, -600, -700, -700C, -800, -900, 747-400, 757-200, -300, 767-200, -300, and -300F aeroplanes.

Requirement:

1. Inspect the manufacture date code on all hoses listed in Table 1 of this Directive. Use the Accomplishment Instructions of the applicable Boeing alert service bulletins (ASB) contained in Table 1 of this Directive.
2. 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.
3. 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.
4. Replace the hose with a serviceable hose if any B-nut is improperly heat-treated.

Table 1. --Applicable Hose P/Ns

Aeroplane model	Boeing hose P/N	Titeflex PMA P/N	Used for	Applicable alert service bulletin
(1) 737-300, -400, and -500 aeroplanes.	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.

CIVIL AVIATION SAFETY AUTHORITY

SCHEDULE OF AIRWORTHINESS DIRECTIVES

Hose Assemblies

AD/HOSE/8 (continued)

(2) 737-600, -700,-700C, -800, -900 aeroplanes.	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 aeroplanes	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 aeroplanes	S312N512-1 S312N512-2 S312N512-3 S312N512-4 BACH5R0110YP BACH5S0110XN No Number	113701-1 113701-2 113701-3 113701-4 109422	Engine, APU, and cargo compartment fire extinguishing bottles.	757-26A0043, Revision 1, dated November 14, 2002.
(5) 757-300 aeroplanes	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 aeroplanes.	BACH5R0085YU BACH5R0140YU BACH5S0077XT BACH5S0140XT BACH5S0184XX BACH5R0127YY		Cargo compartment fire extinguishing bottles.	767-26A0121, dated December 19, 2001.

Hose Assemblies

AD/HOSE/8 (continued)

Note: FAA AD 2003-23-05 Amdt 39-13369 refers.

Compliance: For Requirements 1, 2, and 3: Unless previously inspected in accordance with 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, within 24 months from the effective date of this Directive.

For Requirement 4: Before further flight following the inspections detailed in Requirement 3 of this Directive.

This Airworthiness Directive becomes effective on 8 July 2004.

Background: Certain Titeflex Corporation hoses discovered with incorrect heat treatment of B-nuts prompt this Directive that is issued to prevent fire extinguishing system and fuel system hose failure due to improperly heat-treated aluminium B-nuts.



James Coyne
Delegate of the Civil Aviation Safety Authority

28 May 2004