



CIVIL AVIATION AUTHORITY
CZECH REPUBLIC

*Airport Ruzyne, 160 08 Prague 6
Tel: 420 2 33320922, fax: 420 2 20562270*

AIRWORTHINESS DIRECTIVE

Number: CAA-AD-022/2003R1

Supersedes CAA-AD-022/2003

Date of issue: March 06, 2003

TELAIR International GmbH

APPLIANCE - CARGO/BAGGAGE COMPARTMENT (ATA 25) - SUBSTANDARD SCREWS - REPLACEMENT - CANCELLED

Applicability: - Main Deck Cargo Handling System P/N 193100-5, 193100-15, 193100-505

- Linear Actuator P/N 1564T100-Series

- Power Drive Unit P/N 119100-3, 127100-1

- Loading Bridge Assembly P/N 137300-1, 137301-1

- Latches used in Airbus Cargo Loading Systems

These Systems can be installed in the following Aircraft: - Boeing 747, 767, Airbus A300, A310, A319, A320, A330, A340, - BO105, - BRAVO

Effective date: March 20, 2003

Compliance: Required as indicated LBA AD 2003-080/2.

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, Ruzyne Airport, 160 08 Prague 6, Czech Republic, tel.: 420 2 33320922, fax: 420 2 20562270.

Ing. Pavel MATOUŠEK
Director of Airworthiness Division
CAA CZ

Luftfahrt-Bundesamt AD No.: 2003-080/2

Effective Date: 06 March 2003.

TELAIR

Affected:

Kind of aeronautical product: Furnishings Equipment

Manufacturer: TELAIR International GmbH, Hausham, Germany

Type: TELAIR International Furnishings Equipment Systems

Models affected:

- Main Deck Cargo Handling System P/N 193100-5, 193100-15, 193100-505
- Linear Actuator P/N 1564T100-Series
- Power Drive Unit P/N 119100-3, 127100-1
- Loading Bridge Assembly P/N 137300-1, 137301-1
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Serial numbers affected:

All P/N's of the mentioned Systems equipped with utilizing 100° Countersunk Screws with the following Part Numbers (P/N's): MS24693-C10, MS24693-C29, MS24693-C47, MS24693-C202, MS24693-C225, MS24693-C269, MS24693-C274, MS24693-C295, MS24693-C296, MS24693-C298, MS24693-C304, MS24693-C305

German Type Certificate No.: None

Subject:

Furnishings Equipment, Cargo-Baggage Compartment Equipment Systems, ATA-Code 25-50-00 - exchange of substandard screws

Reason:

TELAIR International has determined that certain batches of screws with above mentioned part numbers were manufactured to substandard tolerances. It is possible for the suspect screws to develop cracks in the head that spread to the threads thereby reducing the holding effectiveness of the screw.

The actions specified by this Airworthiness Directive are intended to prevent a decrease in the structure integrity of the mentioned furnishing equipment systems because of bolt failures.

Action:

By continuing the Static Load Tests with Channel components of the Boeing B747 Main Deck Systems, P/N 193100-15, which have been performed by the company TELAIR, the critical operation cases of the "Suspect MS Screw" have been sufficiently tested. The test results of altogether 7 fracture tests in Z direction (tension load of the MS screw) and 7 fracture tests in Y direction (shear force on the MS screw) show that no deterioration in the stability of the screws is visible. Moreover, in the meantime, investigation reports of independent laboratories as well as investigation results from the manufacturers of the MS screws are in hand providing no indication of an inferior stability of the defective screws concerned.

On account of these facts we now feel compelled to withdraw LTA 2003-080.

Compliance:

LTA 2003-080 is cancelled with immediate effect.

Technical publication of the manufacturer:

TELAIR International Service Bulletin SB 100000-25-001 Revision dated February 21, 2003 becomes herewith part of this AD and may be obtained from Messrs.:

TELAIR International
Mr. Norbert Berghausen QA Manager
Obere Tiefenbachstrasse 8
83734 Hausham
G E R M A N Y
Phone ++49-8026-398-32
Facsimile ++49-8026-5056-30

Enquiries regarding this Airworthiness Directive should be referred to Mr. Martin Borsum, Airworthiness Directive Section, at the above address, fax-no. 0049 531/2355-725. Please note, that in case of any difficulty, reference should be made to the German issue!
LTA's / AD's and Technical Notes are published on the internet at <http://www.lba.de>