

# Airworthiness Directive of the Netherlands



Ministry of Transport, Public Works and Water Management

Directorate-General of Civil Aviation

Aeronautical Inspection Directorate

Bijzondere Luchtwaardigheids Aanwijzing (BLA)

## Caution

*In accordance with the Civil Air Navigation Regulations (RTL), Articles 76 and 88, the following Airworthiness Directive (BLA) is issued by the Director-General of Civil Aviation of the Netherlands (Directeur-Generaal van de Rijksluchtvaartdienst -RLD). Airworthiness Directives affect aviation safety. They are regulations which require immediate attention. You are cautioned that no person may operate an aircraft to which an Airworthiness Directive applies, except in accordance with the requirements of the Airworthiness Directive.*

**BLA nr : 94-157 (A)**

Date : November 24, 1994

**FOKKER AIRCRAFT B.V.**

Model F.28 Mk.0100

Type Certificate Nr.:

T-100-87

## DOORS - CARGO DOOR FRAME - REINFORCEMENT

### Description:

Recent stress analyses and destructive tests on the frames of Fokker Model F.28 Mk.0100 large cargo doors have shown that fatigue cracks may develop in the area of the hook latch fittings. To ensure structural integrity, the introduction of repetitive inspections for the affected structural parts was considered. However, accessibility for inspection is very poor with regard to the location of the cracks in the door frames, and an inspection in this area would almost certainly require partial disassembly of the affected cargo door. In addition, the tests have demonstrated a high probability for the occurrence of cracks, which would eventually require repair of these door frames. Consequently, Fokker Aircraft have developed a modification that repairs possible existing cracks and prevents the development of new cracks in the affected large cargo door frames. RLD has reviewed and approved Fokker Service Bulletin (SB) F100-52-050 Revision 1, dated September 14, 1994, that describes the reinforcement of the Large Cargo Door Frames. Since an unsafe condition has been identified that is likely to exist or develop on other aircraft of the same type design, this Airworthiness Directive (BLA) requires the installation of two reinforcement plates under each hook latch fitting of each large cargo door.

**Applicability:** Fokker Aircraft B.V. Model F.28 Mk.0100 aircraft, serial numbers as listed in Fokker SB F100-52-050, Revision 1, dated September 14, 1994.

**Effective date:** December 01, 1994

**Compliance:** Required as indicated, unless previously accomplished.

(a) Before accumulating 11,000 flight cycles since new, install two reinforcement plates under each hook latch fitting of each large cargo door, in accordance with the Accomplishment Instructions of Fokker SB F100-52-050, dated September 28, 1993, or Revision 1, dated September 14, 1994 or a later RLD-approved revision.

(b) For aircraft that have already accumulated more than 10,500 flight cycles on the effective date of this AD, within the next 500 flight cycles after the effective date of this AD, install two reinforcement plates under each hook latch fitting of each large cargo door, in accordance with the Accomplishment Instructions of Fokker SB F100-52-050, dated September 28, 1993, or Revision 1, dated September 14, 1994 or a later RLD-approved revision.

(c) Concurrent with the requirement of paragraph (b) of this AD, aircraft that have accumulated or exceeded 11,000 flight cycles on the moment of modification must be inspected in order to detect and repair any possible cracks prior to modification. Contact Fokker Aircraft B.V. for inspection instructions.

### Remarks:

- Operators of the affected aircraft may obtain copies of the referenced service information upon request directly from the manufacturer.
- Compliance with this AD must be recorded in the proper Aircraft Log Book(s).

Address inquiries concerning this AD to:

Bureau Coordination & Technical Information (CTI)

Telephone 31-(0)2503-63155; Facsimile 31-(0)2503-40741; Telex 74592 rldli nl

Correspondence address

P.O. box 575, 2130 AN Hoofddorp, the Netherlands

Telephone 31-(0)2503-63131