

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 : 93-055 (A)
Date : April 23, 1993

FOKKER AIRCRAFT B.V.
Model F.28 series

Seq.: 157

Type Certificate Nr.:

A23F

DOORS - BELLY CARGO DOOR HINGES - REPLACEMENT

Description:

In 1987, during routine maintenance, two operators discovered fractured cargo door (piano-type) hinges on Fokker F.28 aircraft. The investigation at the time revealed cracks in the hinge attachment lugs, which appeared to be due to stress corrosion. The cracks initiate at the hinge-pin bore and extend into the attachment flanges of the fuselage-mounted part of the hinge. These stress corrosion cracks are very unpredictable and can only be found at a late stage in crack growth. Airworthiness Directive (BLA) 87-53 was issued to require a one-time inspection of the affected hinges. Subsequently, the rate of the relevant inspection in the Operator's Maintenance Program (OMP) was increased from once every three years to once per year. During November 1989, however, fatigue cracks were discovered in the cargo door hinge of another F.28 aircraft. As a result, two new items have been introduced in the F.28 Structural Integrity Program, to require initial and periodical inspections of all (pre-SBF28/52-110) hinges for stress corrosion - and fatigue cracks.

Since the unsafe condition described may still exist or develop on other aircraft of the same type design, this Airworthiness Directive (BLA) is issued to prevent possible failure of the affected hinges and requires the replacement of all P/N A28410-401, -403 and -405 forward and centre cargo door hinges with P/N D28410-409 hinges; and the replacement of all P/N A33260-401 and -403 aft cargo door hinges with P/N W33002-704 hinges. The new type hinges are modified for better fatigue resistance and manufactured from AL7075-T73 aluminium, which is much less sensitive to stress corrosion cracking.

Effectivity: F.28 aircraft (except Mk.0100), all serial numbers.

Effective date: May 01, 1993

Compliance: Required within the next 48 calendar months after the effective date of this AD, unless accomplished previously.

Accomplishment: In accordance with Fokker Service Bulletin F.28/52-110 dated April 07, 1993 or a later RLD-approved revision.

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).
- * - This Airworthiness Directive supersedes and cancels BLA 87-53 (p.n. 87/78) dated June 10, 1987.

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