

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 : 91-111/2 (A)
Date : July 12, 1993

FOKKER AIRCRAFT B.V.
Model F.27 Series

Seq.: 106

Type Certificate Nr.:

A22F

STRUCTURES - AN-BOLTS - REPLACEMENT

Description:

Service experience has shown that a number of AN-bolts, installed on Fokker F.27 aircraft, are located in places which are critical to the safety of flight. During 1991, the F.27 Aging Aircraft Working Group (AAWG) recommended to make replacement mandatory. After careful review of the available data, the RLD has concurred with this advice, although failure of some of these bolts is not considered to be potentially catastrophic. Since an unsafe condition may exist or develop on other aircraft of the same type design, this Airworthiness Directive (BLA) is revised to require the replacement of a limited number of AN-bolts with more reliable NAS 1307/1308 bolts, which are manufactured to a superior specification MIL-B-7838A.

Effectivity:

F.27 aircraft (except Mk.050), serial numbers as listed in Fokker Service Bulletin (SB) F27/51-10 revision 2 dated June 12, 1993.

Effective date: August 01, 1993

Compliance: Required before January 01, 1995, unless accomplished previously:
To prevent failure of certain AN-bolts, accomplish the following:

(a) Replace the affected eight (8) AN-bolts part number (P/N) AN178-13A and four (4) AN-bolts P/N AN178-26A in the nacelle brace installation (IPC Chapter 2B14300, items 15, 23 and 24) with bolts P/N NAS1308-11D and P/N NAS1308-34D, respectively; and replace the eight (8) AN-bolts P/N AN178-26A that attach the engine mount to the nacelle firewall with bolts P/N NAS1308-34D, in accordance with Engineering Modification Instruction (EMI) No.171, as detailed in Fokker SB F27/51-10 revision 2 dated June 12, 1993 or a later RLD-approved revision;

(b) In the connection between the nose landing gear bracket and the forward pressure bulkhead, replace AN-bolt P/N AN7-14A with bolt P/N NAS1307-15D, replace AN-bolt P/N AN7-16A with bolt P/N NAS1307-19D, replace three AN-bolts P/N AN8-16A with bolts P/N NAS1308-17D, and replace AN-bolt P/N AN8-17A with bolt P/N NAS1308-19D, in accordance with Figure No.7 in Fokker SB F27/51-10 revision 2 dated June 12, 1993 or a later RLD-approved revision.

Correspondence address

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

Telephone 31-(0)2503-63131