

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 : 93-137/2 (A)

Date : February 21, 1994

FOKKER AIRCRAFT B.V.

Model F.28 Mk.0100

Type Certificate Nr. :

T-100-87

STABILIZERS - HORIZONTAL STABILIZER STRUCTURE - MODIFICATION

Description:

During full-scale fatigue tests on the Fokker F.28 Mk.0100 test article for the stabilizers, cracks were found in the flanges of the LH and RH main hinge fittings. If not corrected, these cracks may lead to a deteriorated fatigue life of the horizontal stabilizer main hinge fitting structure. Since the unsafe condition described may exist or develop on other aircraft of the same type design, this Airworthiness Directive (BLA) is issued to detect cracks at an early stage and to improve fatigue life, and requires the inspection, modification and reinforcement of the affected hinge fittings; replacement or modification of connecting angles, as applicable; and a modification to Rib 215.

Applicability: Fokker Aircraft B.V. Model F.28 Mk.0100 aircraft, serial numbers 11244 through 11441, 11443 through 11449 and 11456, as specified in Fokker Service Bulletin (SB) F100-55-021 Revision 2 dated December 27, 1993 or a later RLD-approved revision.

Effective date: March 01, 1994

Compliance: Required as indicated, unless accomplished previously.

Note 1: For aircraft which have already been inspected and/or modified in accordance with Fokker SB F100-55-021 Revision 1 dated September 06, 1993, in compliance with the first issue of this AD, no further action is required.

Before the aircraft accumulates 15,000 flight cycles since new (CSN), accomplish the following:

(a) Inspect the horizontal stabilizer main hinge fitting Hi-lok bolt holes in accordance with Part 5 of the Accomplishment Instructions of Fokker SB F100-55-021 Revision 2 dated December 27, 1993 or a later RLD-approved revision;

Note 2: For aircraft which have not yet accumulated 1,000 CSN on the moment of modification, the inspection of paragraph (a) of this AD is not required.

(1) If any crack indication is found, exceeding the values as specified in the Decision Diagram (Figure 2 of the referenced SB), before further flight, contact Fokker Aircraft for modification instructions, repeat inspections, or repair instructions, as applicable;

(2) If no crack indications are found, or if crack indications are found which are less than or equal to the values as specified in the Decision Diagram (Figure 2 of the ref. SB), modify the aircraft as required by paragraphs (b) and (c) of this AD, as applicable.

(b) Modify the horizontal stabilizer main hinge fittings and replace or modify, as applicable, the connecting angles at Rib 215 as follows:

(1) For aircraft which have not yet accumulated 1,000 CSN, accomplish in accordance with Part 3 or Part 4 of the Accomplishment Instructions of Fokker SB F100-55-021 Revision 2 dated December 27, 1993 or a later RLD-approved revision, as applicable;

Correspondence address

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

Telephone 31-(0)2503-63131

BLA nr: 93-137/2 (A)

(2) For aircraft which have already accumulated 1,000 CSN or more on the moment of modification, accomplish in accordance with Part 6 or Part 7 of the Accomplishment Instructions of Fokker SB F100-55-021 Revision 2 dated December 27, 1993 or a later RLD-approved revision, as applicable.

(c) Modify Rib 215 of the horizontal stabilizer to close the lightening holes in accordance with Part 8 of the Accomplishment Instructions of Fokker SB F100-55-021 Revision 2 dated December 27, 1993 or a later RLD-approved revision, if applicable.

Reason for revision: Service experience with the modification has resulted in revised Accomplishment Instructions in the affected Service Bulletin.

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 revision supersedes and cancels Airworthiness Directive (BLA) 93-137, dated October 06, 1993.

Address inquiries concerning this AD to:

Bureau Coordination & Technical Information (CTI)
Telephone 31-(0)2503-63155; Facsimile 31-(0)2503-40741; Telex 74592 rldi nl