

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 : 93-036/2 (A)

Date : August 31, 1994

FOKKER AIRCRAFT B.V.

Model F.28 Mk.0100

Type Certificate Nr.:

T-100-87

DOORS - SMALL CARGO DOOR HINGE ASSEMBLY - INSPECTION/REPLACEMENT

Description:

- Service experience with the early Fokker Model F.28 series aircraft has shown that cargo door hinges, made of AL2024-T4 aluminium, which are used on this type of aircraft, are sensitive to stress corrosion cracking.
- The small (downward-opening) cargo doors on the Fokker F.28 Mk.0100 are equipped with hinge assemblies
- Part Numbers (P/N) A28410-405 and -407, which are made of the same material. The first issue of this
- Airworthiness Directive (BLA) required a one-time inspection of the affected cargo door hinges. The RLD have
- now reviewed and approved Fokker Service Bulletin (SB) F100-52-055 and Maintenance Review Board (MRB)
- Document Task Number 523052-00-04, establishing a repeat inspection interval and providing for
- replacement of the hinge assemblies with improved units, P/N D28410-409.
- Since an unsafe condition has been identified that is likely to exist or develop on aircraft of this type design,
- the present AD is revised to require an initial inspection as a precautionary measure to detect any corrosion
- cracks, repeat inspections to guarantee continued structural integrity, and, if cracks are found, replacement of
- the hinge assembly with an improved unit.

Applicability: **Fokker Aircraft B.V.** Model F.28 Mk.0100 aircraft, serial numbers 11244 through 11408, if equipped with small cargo door hinges P/N's A28410-405 and/or A28410-407.

Effective date: September 07, 1994

Compliance: Required as indicated, unless accomplished previously.

- (a) Before accumulating 36 calendar months since new, High-Frequency Eddy Current (HFEC) inspect the fuselage-mounted half of the affected cargo door hinge assemblies P/N A28410-405 and -407 in accordance with section 2. Accomplishment Instructions of Fokker SB F100-52-048 dated March 05, 1993 or a later RLD-approved revision; or
- (b) For aircraft which have already accumulated or exceeded 33 calendar months since new on the effective date of this AD, within three months after the effective date of this AD, HFEC inspect the fuselage-mounted half of the affected cargo door hinge assemblies P/N A28410-405 and -407 in accordance with section 2. Accomplishment Instructions of Fokker SB F100-52-048 dated March 05, 1993 or a later RLD-approved revision;
- (c) Thereafter, at intervals not to exceed 6 calendar months, accomplish a repeat HFEC inspection of the fuselage-mounted half of the affected cargo door hinge assemblies P/N A28410-405 and -407 in accordance with section 2. Accomplishment Instructions of Fokker SB F100-52-055 dated July 20, 1994 or a later RLD approved revision;
- (d) When, during any inspection as required by paragraphs (a), (b) or (c) of this directive, cracks are found, before further flight, except as provided in section 2. Accomplishment Instructions, Par.C, NOTE of Fokker SB F100-52-055, replace with a new hinge assembly P/N D28410-409, in accordance with Fokker SB F100-52-043 (to be issued).

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- **Note:** After replacement of all cargo door hinge assemblies P/N A28410-405 and A28410-407 with
- P/N D28410-409, the periodical inspections of this directive are no longer required. Report all findings to the
- manufacturer.

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).
- - Where applicable, the requirements of this AD must be integrated into the aircraft's Maintenance Schedule.
- This revision supersedes and cancels Airworthiness Directive (BLA) 93-036 dated March 17, 1993.

Address inquiries concerning this AD to:

Bureau Coordination & Technical Information (CTI)

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