

Airworthiness Directive of The Netherlands

Bijzondere Luchtwaardigheids Aanwijzing - BLA

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Caution

In accordance with the Aviation Act 2001 (Wet Luchtvaart), Article 3.22, the following Airworthiness Directive (BLA) is issued by the Minister of Transport, Public Works and Water Management. Airworthiness Directives affect aviation safety. These 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 thereof.

BLA nr. 2001-130

(A)

Date : October 31, 2001

FOKKER SERVICES B.V.

(formerly Fokker Aircraft B.V.)

Model F.27 Mk.050, Mk.0502 and Mk.0604

CAA-NL Type Certificate Nr.

T-050-87

PNEUMATIC - BLEED AIR SUPPLY DUCT ASSEMBLY - INSPECTION/MODIFICATION

Description :

During a troubleshooting inspection for hydraulic leakage in the engine controls area, one Fokker 50 (F.27 Mk.050) operator found heat damage in the form of a melted plastic drip tray and discoloured coatings. These were located adjacent to the double-walled Bleed Air Supply Duct assembly in the engine controls area of the nacelle. Further investigation revealed that the inner wall of the Bleed Air Supply Duct was ruptured. In this case, the bleed air escaping from the inner tube had caused the three blanking plugs, which are normally fitted in the outer wall Bleed Air Supply Duct, to blow out, thereby allowing hot bleed air (200-250°C) to vent into the engine controls area (where control cables, electrical wiring, hydraulic components and crossfeed fuel lines are situated) and leading to the heat damage found. Possibly due to the bleed air loss through these holes, the (inner) duct leak switch was not activated. As a result, the corresponding bleed air system was not automatically switched off and no fault indications were presented on the cockpit overhead panel and on the maintenance test panel (MTP). A fleet inspection by the same operator revealed a similar case. 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 a one-time inspection for heat damage and corrective action, as necessary, and also requires a modification to prevent further occurrences.

Applicability : Fokker Aircraft B.V. Model F.27 Mk.050, Mk.0502 and Mk.0604 aircraft, all serial numbers

Effective date : December 1, 2001

Compliance : Required as indicated, unless accomplished previously.

(a) At the next scheduled 4,000 Flight Hours (FH) maintenance task after the effective date of this directive, but not later than 6 months after the effective date of this directive, whichever occurs first, for aircraft that have accumulated 20,000 FH or more; or 1 year after the effective date of this directive, whichever occurs first, for aircraft that have accumulated less than 20,000 FH, inspect the Bleed Air Supply Duct for the presence of Blanking Plugs and the entire Engine Nacelle area for possible heat damage in accordance with Parts B and C, respectively, of the Accomplishment Instructions of Fokker Service Bulletin (SB) F50-36-006 dated October 1, 2001 or a later CAA-NL approved revision;

(b) When damaged or defective parts are found, before next flight, repair or adjust, as necessary, or replace the affected parts with serviceable parts;

(c) Before further flight after the inspections as required by paragraph (a) of this directive, install a clamping device in accordance with Part D of the Accomplishment Instructions of Fokker SB F50-36-006 dated October 1, 2001 or a later CAA-NL approved revision.

Remarks :

- Operators of the affected aircraft may obtain copies of the referenced service information upon request directly from **Fokker Services B.V., Technical Services Dept., P.O.Box 231, 2150 AE Nieuw-Vennep, The Netherlands; telephone (31) 252-627-350; facsimile (31) 252-627-211; e-mail "technicalservices@fokkerservices.storkgroup.com".**
- Compliance with this directive must be recorded in the proper Aircraft Log Book(s).

Address inquiries concerning this AD to :

Aircraft Division, Section C&D; telephone +31-23-566-3155; facsimile +31-23-566-3006; e-mail "info.register@ivw.nl"