



Airworthiness Directive of The Netherlands

Bijzondere Luchtwaardigheids Aanwijzing - BLA

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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. 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 of the Airworthiness Directive.

BLA nr : 1988-061/2 (A)

Date : February 28, 1997

FOKKER SERVICES B.V.

(formerly Fokker Aircraft B.V.)

Model F.27 Mk.050

RLD Type Certificate Nr.:

T-050-87

ENGINE FUEL & CONTROL - HANDLING BLEED VALVE RELAY - MODIFICATION/REPLACEMENT

Description:

- During the early service history of the Fokker Model F.27 Mk.050, a number of engine flame-out cases were reported, occurring in ice and/or rain conditions at power settings ranging from 45% - 0% engine torque and altitudes of 12,000 ft to 7,500 ft. Investigation revealed that engine tolerance to the ingestion of water and ice could be improved by removing certain type fuel manifold adapter assemblies from service, in combination with a modification of the Handling Bleed Valve (HBV). The combined result would create a function of the HBV that would select the valve fully open in the descent/holding power range, independent of Engine Electronic Control. Tests that were conducted at the time showed that under these conditions, flame-out could not be reproduced. Subsequent service experience and further flame-out tests by the engine manufacturer have revealed negligible differences between suppliers of fuel manifold adapters. For the reasons described above, RLD have decided to re-allow the use of "Delavan" type adapters, and this Airworthiness Directive (BLA) has been revised accordingly. Pratt & Whitney Canada (P&WC) Service Bulletin (SB) 21431 dated July 14, 1995 and Fokker SB F50-73-005 Revision 1 dated January 23, 1997 also pertain to this subject.

Applicability: **Fokker Aircraft B.V.** Model F.27 Mk.050 aircraft, serial numbers 20103 through 20108, and 20110 through 20126.

Effective date: March 15, 1997

Compliance: Required as indicated, unless accomplished previously.
Before any flight into conditions of ice or visible moisture, but not later than October 15, 1988, whichever occurs first, modify the HBV opening function in accordance with the Accomplishment Instructions of Fokker SB F50-73-004 dated July 20, 1988 or a later RLD-approved revision.

Note : Contrary to "NOTE 1" under "B. Reason" in Fokker SB F50-73-005 Revision 1, RLD no longer requires accomplishment of this particular SB.

Remarks:

- Operators of the affected aircraft may obtain copies of the referenced service information upon request directly from **Fokker Services B.V., Technical Support Dept., P.O.Box 75047, 1117 ZN Schiphol Airport, The Netherlands; telephone (31) 20-605-2136; facsimile (31) 20-605-2790; or Pratt & Whitney Canada Inc., Attn. Distribution/Publications, 1000 Marie-Victorin, Longueuil, Quebec, Canada J4G 1A1; telephone (1) 514-647-3307; facsimile (1) 514-647-3374.**
- Compliance with this AD must be recorded in the proper Aircraft Log Book(s).
- This revision supersedes and cancels Airworthiness Directive (BLA) 88-61 (p.n. 88/84) dated July 20, 1988.

Address inquiries concerning this AD to:

Bureau Coordination & Technical Information (CTI); Telephone 31-(0)23-566 3155; Facsimile 31-(0)23-562 3848; Telex 74592 rldli nl