

Airworthiness Directive of The Netherlands

Bijzondere Luchtwaardigheids Aanwijzing - BLA

Correspondence address
P.O. Box 575, 2130 AN Hoofddorp, The Netherlands

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. 2004-022 (A)

Date : February 27, 2004

FOKKER SERVICES B.V.
(formerly Fokker Aircraft B.V.)
F.28 Mk.0100

CAA-NL Type Certificate Nr.

T-100-87

THIS AIRWORTHINESS DIRECTIVE IS PUBLISHED BY THE CAA-NL :

- acting for and on behalf of the European Aviation Safety Agency (EASA), as the Primary Airworthiness Authority (ICAO Annex 8 Authority of the State of Design) for the affected product(s); and
- has been approved under EASA reference Number 1653 on 25 February 2004.

EQUIPMENT & FURNISHINGS - PASSENGER SERVICE UNITS - MODIFICATION

Description :

Over the years, operators have reported incidents of smoke in the passenger compartment during flight, apparently due to overheating of a Passenger Service Unit (PSU). Investigation has shown the overheating to occur due to water leakage onto the PSU electrical connector. This moisture could result from water condensation on the air-conditioning ducts or exposed/not-insulated structure. In 1994, then TC-holder Fokker Aircraft issued Service Bulletin (SB) F100-25-068 to address this problem, which recommends a one-time inspection of the PSU panels and, if leakage is detected, the cleaning and sealing of the connector and modification of the PSU panel. As the smoke problems appeared to be minor and were not considered hazardous at the time, the inspection and modification were not made MANDATORY. However, a recent incident has been reported of burning smell and smoke in the passenger compartment during flight, leading to a return to the airport and an emergency evacuation. This case was also attributed to moisture ingress into the J1 interface connector of an unsealed/unmodified PSU panel. In view of the above, the CAA-NL have determined that overheating of PSU panels can still occur, due to moisture ingress. This condition, if not corrected, could lead to further incidents of cabin smoke, which is now regarded as a significant safety issue. Since an unsafe condition has been identified that is likely to exist or develop on other aircraft of the same type design, this BLA requires the sealing and modification of all PSU panels.

Applicability : Fokker Aircraft B.V. Model F.28 Mk.0100 aircraft, all serial numbers, if Grimes Aerospace PSU Part Number (P/N) 10-1178-(series) or P/N 10-1571-(series) are installed.

Effective date : March 20, 2004

Compliance : Required as indicated, unless accomplished previously.

Within the next three years after the effective date of this directive, accomplish the following :

(a) Modify the affected Grimes Aerospace Passenger Service Units in accordance with Grimes Aerospace Company SB 10-1178-33-0040 Revision 1 dated March 25, 1996 or SB 10-1571-33-0041 dated October 15, 1993, as applicable; and

(b) Clean and seal the PSU panel/aircraft interface connector in accordance with Part 2.

Accomplishment Instructions of Fokker Services SB F100-25-097 dated December 30, 2003 or a later CAA-NL approved revision.

BLA nr : 2004-022

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@stork.com; or from **Grimes Aerospace Company (Honeywell Lighting & Electronics), Product Support Group, 240 Twain Avenue, Urbana, Ohio 43078, United States of America;** telephone (1) 937-484-2000; facsimile (1) 937-484-2008; website www.grimesaero.com; e-mail urbana.ebiz@honeywell.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.

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