



Nr. NL-2005-013

Distribution : **L**

Date : October 17, 2005

Type Certificate Holder :

FOKKER SERVICES B.V.

(formerly Fokker Aircraft B.V.)

F28 Mark 0070 and Mark 0100

EASA Type Certificate Nr.

A.037

Caution

This Airworthiness Directive is issued by the Minister of Transport, Public Works and Water Management in accordance with the Aviation Act 2001 (Wet Luchtvaart), Article 3.22. Airworthiness Directives affect aviation safety. These are regulations which require immediate attention. No person may operate an aircraft to which an Airworthiness Directive applies, except in accordance with the requirements thereof, unless otherwise agreed with the Authority of the State of Registry (EC2042/2003, M.A.201 & M.A.303).

THIS AIRWORTHINESS DIRECTIVE IS PUBLISHED BY THE CAA-NL :

- acting for and on behalf of the European Aviation Safety Agency (EASA), the Airworthiness Authority (ICAO Annex 8) of the State of Design for the affected product(s) with reference to 21 A.037B (a) and (b); and
- has been approved under EASA reference Number 2005-6364 dated October 14, 2005

Supersedure : Not Applicable

Subject : FUSELAGE - WING-TO-FUSELAGE FAIRINGS ABOVE THE MLG WHEEL BAYS - INSPECTION

Applicability : Fokker Aircraft B.V. Model F.28 Mk.0070 and Mk.0100 aircraft, all serial numbers.

Reason : Reports have been received from Fokker 100 (F28 Mark 0100) operators where the crew experienced difficulties with roll control. Analysis suggests that these phenomena are due to frozen water on the aileron pulleys that are installed on the Center Wing Spar and located in the Main Landing Gear (MLG) wheel bays. Investigation has confirmed that improper closure of the aerodynamic seals of the wing-to-fuselage fairings above the MLG wheel bays can cause rainwater, wash-water or de-icing fluid to leak into the aileron pulleys. This condition, if not corrected, can lead to further incidents of frozen water on aileron pulleys during operation of the aircraft, resulting in restricted roll control and/or higher control forces. 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 requires the inspection of the wing-to-fuselage fairings and, if necessary, the accomplishment of appropriate corrective action(s).

Effective date : November 1, 2005

Mandatory Actions and Compliance Times : Required as indicated, unless accomplished previously.

- Within the next 12 months after the effective date of this directive, inspect the wing-to-fuselage fairings in accordance with Section 3 Accomplishment Instructions of Fokker Service Bulletin F100-53-101 dated September 30, 2005 or a later CAA-NL approved revision;
- If no indications of incorrect fit, damage or wear are found, no further action is required and the aircraft may be returned to service;
- When incorrect fit, damage or wear is found, before next flight, take the necessary corrective action as specified in Section 3 Accomplishment Instructions of Fokker SB F100-53-101 dated September 30, 2005 or a later CAA-NL approved revision;
- When incorrect fit, damage or wear is found, within 7 days after the inspection, report the findings to the Type Certificate Holder of the aircraft, address listed elsewhere in this directive.

Reference Publication(s) :

Fokker SBF100-53-101

Fokker 70/100 AMM

Fokker MCNM F100-102

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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 can be downloaded from www.myfokkerfleet.com.
- Compliance with this directive must be recorded in the proper Aircraft Log Book(s).

Address inquiries concerning this AD to : Civil Aviation Authority, Aircraft Division, Section C&D, P.O. Box 5003, 2130 NL Hoofddorp, The Netherlands; telephone +31-23-566-3155; facsimile +31-23-566-3006; e-mail Info.Register@ivw.nl

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