



Nr. NL-2005-010 R1 Distribution : **L**

Date : September 7, 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), as Airworthiness Authority (ICAO Annex 8) of the State of Design for the affected product(s) with reference to 21A.3B (a) and (b); and
- has been approved under EASA reference Number 2005-6232 dated September 7, 2005.

Supersedure : This AD supersedes and cancels AD NL-2005-010 dated August 31, 2005.

Subject : FUEL - MAIN LANDING GEAR BAY FUEL/HYDRAULIC LINES - INSPECTION

Applicability : Fokker Aircraft B.V. Model F28 Mark 0070 and Mark 0100 aircraft, all serial numbers.

Reason :

During regular operations with a Fokker 100 (F28 Mark 0100), a fuel leak was found in the Left (LH) Main Landing Gear (MLG) Bay. The subsequent investigation revealed that a fuel line was chafed through, caused by interference with a hydraulic line. During manufacturing of the aircraft, a minimum distance of three (3) mm (0.118 inch) was maintained between fuel- and hydraulic lines. During operation of the aircraft or during the accomplishment of maintenance tasks, loads induced on these lines can reduce this distance sufficiently enough to cause interference between them. Interference between fuel lines and hydraulic lines can ultimately result in sufficient wear to the fuel lines to cause a fuel leak. This condition, if not corrected, could lead to further cases of fuel leakage in the MLG Bay, in the vicinity of hot brakes, potentially resulting in a MLG Bay fire. Since an unsafe condition has been identified that may exist or develop on aircraft of the same type design, this Airworthiness Directive requires a one-time inspection of the clearance between the fuel lines and hydraulic lines in the LH and RH MLG Bays and, if necessary, corrective action.

Effective date : September 20, 2005

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

(a) Within the next 6 months after the effective date of this directive, inspect the clearance between the fuel lines and hydraulic lines in the LH and RH MLG Bays in accordance with Section 3 Accomplishment Instructions, Part 1, of Fokker Service Bulletin (SB) F100-28-041 dated July 20, 2005 or a later CAA-NL approved revision;

(b) When clearances between the affected lines are found of 3 mm (0.118 inch) or more in both MLG Bays, no further action is required and the aircraft may be returned to service;

(c) When a clearance between the affected lines is found of less than 3 mm (0.118 inch) and there are chafing marks on the fuel lines, before the next flight, **replace the affected fuel line and** modify or readjust, as applicable, the attachment of the affected fuel lines and hydraulic lines in accordance with Section 3 Accomplishment Instructions, Part 2, of Fokker SB F100-28-041 dated July 20, 2005 or a later CAA-NL approved revision;

(d) When a clearance between the affected lines is found of less than 3 mm (0.118 inch) and there are no chafing marks on the fuel lines, within the next 6 months after the inspection as required by paragraph (a) of this directive, modify or readjust, as applicable, the attachment of the affected fuel lines and hydraulic lines in accordance with Section 3 Accomplishment Instructions, Part 2, of Fokker SB F100-28-041 dated July 20, 2005 or a later CAA-NL approved revision.

AD Nr. NL-2005-010 R1

Reference Publication(s) :

Fokker Services SBF100-28-041

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 575, 2130 AN Hoofddorp, The Netherlands; telephone +31-23-566-3155; facsimile +31-23-566-3006; e-mail Info.Register@ivw.nl.