



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 : 1999-138

(A)

Date : October 29, 1999

FOKKER SERVICES B.V.

(formerly Fokker Aircraft B.V.)

Model F.28 series, All Marks

RLD Type Certificate Nrs.:

A23F; T-100-87

LANDING GEAR - MLG TORQUE LINK DAMPERS - REPLACEMENT/MODIFICATION

Description:

During the investigation of an incident where a Fokker 100 (F.28 Mk.0100) experienced a main landing gear (MLG) separation after landing, it was found that this had been caused by a performance degradation of the damper and resulting loss of damping capability. This degradation was due to a combination of damper anomalies, i.e. a broken retainer ring, a shim between the damper housing and the cap which was too thick. Damper performance degradation, however, is not detectable during normal operations. This condition, if not corrected, could lead to further incidents of main landing gear high amplitude oscillation in a lateral torsional mode, possibly resulting in main landing gear damage or separation. To counter this eventuality, Menasco Aerospace and Fokker Services have developed a MLG damper modification which is the subject of Menasco Component Service Bulletin (SB) 23700-32-14. RLD have reviewed all available information and have established that mandatory action is warranted. For this reason, Fokker Services have issued SB F28/32-157 and SB F100-32-114 to cover the modification for F.28 "Fellowship" series and Fokker 70/100 designs, respectively. Since an unsafe condition has been identified that is likely to exist or develop on other aircraft of the same and similar type design, this Airworthiness Directive (BLA) requires the modification of all affected MLG torque link dampers, or replacement with modified units.

Applicability: Fokker Aircraft B.V. Model F.28, All Marks, all serial numbers.

Effective date: November 20, 1999

Compliance: Required as indicated, unless accomplished previously.

Within the limits as given in **TABLE 1** of this directive, modify or replace the MLG torque link dampers in accordance with the Accomplishment Instructions of Fokker Services' SB F28/32-157 or SB F100-32-114, as applicable, both dated October 1, 1999 or a later RLD-approved revision.

Menasco Aerospace SB's 23700-32-14 and 41050-32-16, both dated September 3, 1999 also pertain to this subject.

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.**
- Compliance with this AD must be recorded in the proper Aircraft Log Book(s).

Address inquiries concerning this AD to:

Bureau Coordination & Technical Information (CTI); Telephone 31-(0)23-566 3155; Facsimile 31-(0)23-566 3006; Telex 74592 rldli nl
E-mail "info.register@rld.minvenw.nl"

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TABLE 1

Fokker F.28 Model (Mark) designation	MLG manufactured by	MLG Mod.Status	Compliance required after the effective date of this directive
Mk.0100	Dowty Aerospace; MD	pre- MD SB F100-32-50	within 15 months
Mk.0100	Dowty Aerospace; MD	post- MD SB F100-32-50	within 21 months
Mk.0100	Menasco Aerospace		within 24 months
Mk.0070	Menasco Aerospace		within 24 months
Mk.1000 thru Mk.4000 series	Dowty Aerospace; MD		within 24 months

MD = Messier-Dowty, Ltd.