



## 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 : 1996-133/2 (A)

Date : January 31, 1997

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

RLD Type Certificate Nr.:

T-100-87

### LANDING GEAR - MLG MAIN FITTING SUB-ASSEMBLY - INSPECTION/REWORK

#### Description:

A report has been received of a cracked main fitting sub-assembly of a Messier-Dowty Main Landing Gear (MLG), installed on a Fokker Model F.28 Mk.0100 aircraft. The crack extended from the area of the side stay attachment lug to the base of the main fitting. Apparently, the crack initiated from the bottom of the affected lug's internal diameter. Investigation revealed that the failure was caused by corrosion of the area, resulting from damage to the surface protection during honing of the bushes. Since an unsafe condition was identified that might exist or develop on other aircraft of the same type design, Airworthiness Directive (BLA) 1996-133 was issued to require a one-time Eddy Current inspection of the affected area on certain main fitting sub-assemblies, and rework as necessary. Since issuance of that BLA, Messier-Dowty has amended the affected service publication by introducing intermediate inspections, safely allowing the inspection required by paragraph (a) of this directive to be postponed another 4 months. RLD concurs with this alternative means of compliance, and this directive has been revised accordingly.

Applicability: **Fokker Aircraft B.V.** Model F.28 Mk.0100, all serial numbers, if equipped with **Messier-Dowty** (formerly Dowty Aerospace) MLG units and MLG Main Fittings, Part- and Serial Numbers as listed in Messier-Dowty Ltd. Service Bulletin (SB) F100-32-86 Revision 1 (R1) dated November 1, 1996; and **Messier-Dowty** MLG Main Fitting units held as spares, Part- and Serial Numbers as listed in Messier-Dowty Ltd. SB F100-32-86 R1 dated November 1, 1996.

Effective date: March 1, 1997

Compliance: Required as indicated, unless accomplished previously.

(a) Within six calendar months after November 15, 1996 (the effective date of the original issue of this directive) perform a one-time eddy current inspection on all affected Messier-Dowty MLG Main Fitting Sub-Assemblies P/N 201072283, 201072284 and 201251258, including units held as spares, in accordance with part A.(3) of section 3. Accomplishment Instructions of Messier-Dowty SB F100-32-86 dated October 3, 1996 or SB F100-32-86 R1 dated November 1, 1996 or a later CAA-approved revision;

(b) As an alternative to paragraph (a) of this directive, before further flight after the effective date of this directive, and thereafter at intervals not to exceed 60 days, inspect the affected Messier-Dowty MLG Main Fitting Sub-Assemblies P/N 201072283, 201072284 and 201251258, in accordance with Appendix B of Messier-Dowty SB F100-32-86 R1 dated November 1, 1996 or a later CAA-approved revision; thereafter, not later than September 30, 1997, comply with the requirements of paragraph (a) of this directive.

(c) If, during any inspection as required by paragraph (a) or (b) of this directive, as applicable, any defects are found, before further flight, re-inspect and rework in accordance with parts A.(4) and/or A.(5), as applicable, of section 3. Accomplishment Instructions of Messier-Dowty SB F100-32-86 dated October 3, 1996 or SB F100-32-86 R1 dated November 1, 1996 or a later CAA-approved revision;

(d) A copy of the inspection findings report must be sent to Messier-Dowty Limited, or to the regional Messier-Dowty Customer Support Centre.

**Note :** Fokker SB F100-32-105 R1 dated January 6, 1997 also pertains to this subject.

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Remarks:

- Operators of the affected aircraft may obtain copies of the referenced service information upon request directly from **Messier-Dowty Ltd, Customer Support, Cheltenham Road, Gloucester GL2 9QH, United Kingdom; telephone (44) 1452-712-424; facsimile (44) 1452-713-821; and 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.**
- Compliance with this AD must be recorded in the proper Aircraft Log Book(s).
- Where applicable, the requirements of this directive must be integrated into the aircraft's Maintenance Schedule.
- This revision supersedes and cancels Airworthiness Directive (BLA) 1996-133 dated October 31, 1996.

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