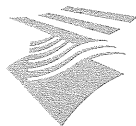


Airworthiness Directive of the Netherlands



Ministry of Transport, Public Works and Water Management

Directorate-General of Civil Aviation

Aeronautical Inspection Directorate

Bijzondere Luchtwaardigheids Aanwijzing (BLA)

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. They 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 : 93-051/3 (A)
Date : April 29, 1994

FOKKER AIRCRAFT B.V.
Model F.28 Mk.0100

Type Certificate Nr.:

T-100-87

FLIGHT CONTROLS - ELEVATOR BCU BACKLASH REMOVER MECHANISM - INSPECTION

Description:

During recent maintenance on a Fokker F.28 Mk.0100, the pivot bolts and bushes of the backlash remover lever (P/N 12777-3) mechanism on the elevator Booster Control Unit (BCU) were found to be corroded. A subsequent investigation uncovered four (4) similar cases with other operators. This particular mechanism prevents backlash in the elevator control forces when the elevator BCU is not hydraulically powered, providing the pilot with full manual control of the elevator system. Corrosion on these bolts and bushes causes the backlash remover mechanism to stick, which results in deteriorated elevator control when the BCU is in MANUAL mode. Since the unsafe condition described may exist or develop on other aircraft of the same type design, this Airworthiness Directive (BLA) is issued to prevent backlash in the elevator controls and requires periodic operational checks of the backlash remover lever mechanism and, when necessary, the inspection and replacement of the affected pivot bolts and bushes.

Applicability: Fokker Aircraft B.V. Model F.28 Mk.0100 aircraft, all serial numbers, if equipped with Menasco Aerospace Elevator Booster Control Unit (BCU), part number (P/N) 23400-3 or P/N 23400-5, serial numbers MC-001 through MC-288.

Effective date: May 06, 1994

Compliance: Required as indicated, unless accomplished previously:

(a) Within the next 500 flight cycles or 60 calendar days after the effective date of this AD, whichever occurs first, and thereafter at intervals not to exceed 500 flight cycles or 60 calendar days, whichever occurs first, perform an operational check for backlash in the elevator mechanical control system in accordance with Part 1 of the ACCOMPLISHMENT INSTRUCTIONS of Fokker Service Bulletin (SB) F100-27-052 dated March 25, 1993 or Revision 1, dated March 29, 1994, or a later RLD-approved revision;

(b) If, during a check as required by paragraph (a) of this AD, any backlash is detected in the control column, before further flight, inspect the elevator BCU backlash remover mechanism P/N 12777-() in accordance with Part 2 of the ACCOMPLISHMENT INSTRUCTIONS of Fokker SB F100-27-052 dated March 25, 1993 or Revision 1, dated March 29, 1994, or a later RLD-approved revision;

(c) If, during an inspection as required by paragraph (b) of this AD, either bolt P/N NAS6204C22D or P/N NAS6204C13D cannot move freely or is found corroded, replace any affected bolts with airworthy parts in accordance with the Aircraft Maintenance Manual;

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Note 1: Replacement of the bolts does not alter the periodic operational check or the inspection requirements of this Airworthiness Directive.

■ Replacement of an Elevator Booster Control Unit with a BCU P/N 23400-3 or -5 is considered terminating action for the inspection requirements of this AD only when a unit with serial number other than MC-001 through MC-288 is installed.

Note 2: If no anomalies are detected during an inspection as required by paragraph (b) of this AD, continue with appropriate trouble-shooting procedures in accordance with the Aircraft Maintenance Manual.

■ **Note 3:** After the affected Elevator Booster Control Units P/N 23400-3 or -5 have been modified in accordance with Fokker SB F100-27-061 dated March 02, 1994 and Menasco Aerospace SB 23400-27-15 dated October 1993, the inspections of this AD are no longer required.

■ Reason for revision: Correct identification of affected BCU part numbers.

Remarks:

- Operators of the affected aircraft may obtain copies of the referenced service information upon request directly from the manufacturer.
- Compliance with this AD must be recorded in the proper Aircraft Log Book(s).
- Where applicable, the requirements of this AD must be integrated into the aircraft's Maintenance Schedule.
- - This revision supersedes and cancels Airworthiness Directive (BLA) 93-051/2, dated March 11, 1994.

Address inquiries concerning this AD to:

Bureau Coordination & Technical Information (CTI)
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