

Airworthiness Directive of The Netherlands

Bijzondere Luchtwaardigheids Aanwijzing - BLA

Correspondence address
P.O. Box 575, 2130 AN Hoofddorp, The Netherlands

BLA nr. 2003-089/2 (A)

Date : December 27, 2004

FOKKER SERVICES B.V.
(formerly Fokker Aircraft B.V.)
F.27 Mk.050, Mk.0502 and Mk.0604

CAA-NL Type Certificate Nr.

T-050-87

Caution

In accordance with the Aviation Act 2001 (Wet Luchtvaart), Article 3.22, the following Airworthiness Directive (BLA) is issued by the Minister of Transport, Public Works and Water Management. 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 thereof.

THIS AIRWORTHINESS DIRECTIVE IS PUBLISHED BY THE CAA-NL :

- acting for and on behalf of the European Aviation Safety Agency (EASA), as the Primary Airworthiness Authority (ICAO Annex 8 Authority of the State of Design) for the affected product(s); and
- has been approved under EASA reference Number 2004-12540 dated December 27, 2004.

PROPELLERS - FEATHERING PUMP & GASKET - REPLACEMENT

Description :

In-service experience with the Fokker 50 (F.27 Mk.050, Mk.0502) and safety analysis have revealed that if a bobbin seal gets damaged during installation of the feathering pump, any oil leakage may remain unnoticed during the required post-installation ground test/leak check until the feathering pump gasket gets soaked with oil and bursts. These particular gaskets were introduced during production on aircraft serial number 20196 and up and may have been retrofitted on earlier aircraft through application of (optional) Fokker Service Bulletin (SB) F50-61-014. This condition, if not corrected, could result in an In-Flight Shut-Down (IFSD) event. Recent in-service experience with the feathering pump replacement procedure has led to more detailed and improved instructions for the removal/installation of the feathering pump. Since an unsafe condition has been identified that may still exist or develop on aircraft of this type design, this revised Airworthiness Directive (BLA) retains the requirement to replace the original gaskets P/N F8200-200-001 with improved units P/N W8200-200-001 which have two oil leak passages to allow the detection of oil leakage during the ground test/leak check. In addition, it also expands the applicability to require for all aircraft that feathering pumps are replaced in accordance with more detailed and improved feathering pump removal/installation procedures.

Applicability : Fokker Aircraft B.V. Model F.27 Mk.050, Mk.0502 and Mk.0604 aircraft, all serial numbers.

Effective date : January 1, 2005

Compliance : Required as indicated, unless accomplished previously.

(a) **For aircraft serial numbers 20103 thru 20195, if in post-SB F50-61-014 configuration; and serial numbers 20196 and up:** At the first opportunity after the effective date of this directive, e.g. scheduled or unscheduled feathering pump or engine change, replace the affected gaskets P/N F8200-200-001 with the improved units, P/N W8200-200-001 in accordance with Fokker Services SB F50-61-022 dated March 31, 2003, including Change Notification (SBCN) SBF50-61-022/01 dated December 20, 2004; or a later CAA-NL approved revision of the referenced SB;

Note : The SBCN introduces changes to SBF50-61-022 as a result of Fokker Services Manual Change Notification-Maintenance (MCNM) F50-035 Revision 1 and MCNM F50-040 Revision 1, both dated December 15, 2004. It also requires replacement of the original issue of MCNM F50-040 attached to SBF50-61-022 with revision 1 of MCNM F50-040. Fokker Services All Operator Message AOF50.037#02 dated December 15, 2004 also pertains to this subject.

(b) As of September 1, 2003 (the effective date of the original issue of this directive), no spare gaskets P/N F8200-200-001 may be installed on aircraft or on Quick Engine Change (QEC) units as replacement parts, unless modified into P/N W8200-200-001 in accordance with Figure 2 of the referenced SB.

(c) **For all aircraft serial numbers** : As of the effective date of this directive, any future (scheduled or unscheduled) replacement of the feathering pump must be accomplished in accordance with the removal/installation instructions as contained in Fokker Services MCNM F50-035 Rev.1 (or F50-040 Rev.1 if in a post SBF50-61-022 configuration) as referenced above.

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).
- This revision supersedes and cancels Airworthiness Directive (BLA) 2003-089 dated July 31, 2003.

Address inquiries concerning this AD to :

Aircraft Division, Section C&D; telephone +31-23-566-3155; facsimile +31-23-566-3006; e-mail Info.Register@ivw.nl.

SUPERSEDED