



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).

Nr. NL-2006-005

Distribution : **L**

Date : April 13, 2006

Type Certificate Holder :

FOKKER SERVICES B.V.

(formerly Fokker Aircraft B.V.)

F27 Mark 050, Mark 0502 and Mark 0604

EASA Type Certificate Nr.

A.036

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 2006-0086 dated April 12, 2006.

Supersedure : Not Applicable

Subject : POWER PLANT - ENGINE MOUNT TUBING & END FITTINGS - INSPECTION

Applicability : Fokker Aircraft B.V. Model F27 Mark 050, Mark 0502 and Mark 0604 aircraft, all serial numbers, unless the engine mount frames have been inspected previously in accordance with the Fokker 50/60 Maintenance Review Board (MRB) Document, Task Numbers 712000-00-09 and 712000-00-10.

Reason : During scheduled MRB mid-life X-ray inspections of Fokker 50 (F27 Mark 050) engine mount frames, severe internal corrosion of the tubes was discovered. In some locations, the depth of the corrosion spots appeared to be more than 50 percent of material thickness. In these cases, Fokker Services advised repair of the affected tubes of the engine mount frames and supplemental inspections. The interior of the tubes and end-fittings of the engine mount frames have been preserved with a film of preservation oil. Premature degradation of this synthetic preservation oil is considered to be the cause of the corrosion. This condition, if not corrected, could ultimately lead to failure of the engine mounting frame in cases where multiple tubes are severely affected. 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 engine mount tubing and end fittings for corrosion, the reporting of the inspection results to Fokker Services and corrective action, as necessary. This is considered to be an interim action; a requirement for a mandatory repetitive inspection will be detailed in a future revision of the MRB document.

Effective date : May 1, 2006

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

(a) Within two years after the effective date of this directive, perform an X-ray inspection on the engine mount tubing and end fittings in accordance with Section 3. Accomplishment Instructions of Fokker Service Bulletin SBF50-71-047 dated February 15, 2006 or a later EASA-approved revision;

(b) Within 7 days after the accomplishment of the inspection as required by paragraph (a) of this directive, in accordance with the procedure as described in the referenced Service Bulletin, report all inspection results to the aircraft Type Certificate holder, Fokker Services, address to be found in the "remarks" section of this directive;

(c) After May 1, 2008, no spare engine mount may be installed on any aircraft as a replacement part, unless it has been X-ray inspected in accordance with Section 3. Accomplishment Instructions of Fokker Component Service Bulletin (CSB) F8200-035-71-12 dated February 15, 2006 or a later EASA-approved revision.

Reference Publication(s) :

Fokker Services SBF50-71-047

Fokker Services CSB F8200-035-71-12

AD Nr. NL-2006-005

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.