



Nr. NL-2006-008

Distribution : **L**

Date : July 14, 2006

Type Certificate Holder :

FOKKER SERVICES B.V.
(formerly Fokker Aircraft B.V.)

F27 Mark 050 and 0502; and F28 Mark 0100

EASA Type Certificate Nr.

A.036; A.037

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).

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 2006-0193 dated July 7, 2006.

Supersedure : Not Applicable

Subject : EQUIPMENT & FURNISHINGS - PASSENGER SERVICE UNIT - INSPECTION/MODIFICATION

Applicability : Fokker Aircraft B.V. Model F27 Mark 050 and 0502 aircraft, serial numbers 20103 thru 20335, if equipped with Honeywell International (Grimes Aerospace) Passenger Service Units (PSU) Part Number (P/N) 10-1178-xx series; and F28 Mark 0100 aircraft, all serial numbers if equipped with Honeywell International (Grimes Aerospace) PSU P/N 10-1178-xx series or 10-1571-xx series, unless modified per SBF100-25-070.

Reason : Recently, a Fokker 100 (F28 Mark 0100) operator noted that the electrical connectors of the PSU's did not lock properly during installation in the aircraft. The PSU panels installed in Fokker 50 (F27 Mark 050 and Mark 0502) aircraft are similar to those installed in the Fokker 100. Investigation revealed that the lack of locking is caused by the tolerance in thickness of the gaskets (seals) inside the PSU connectors. This condition, if not corrected, may cause the connector to overheat, leading to electrical arcing and subsequent failure of the PSU Panels. In such instances, smoke is likely to be emitted. To remedy and prevent these problems, the PSU manufacturer Honeywell International Aerospace Electronic Systems (formerly known as Grimes Aerospace Company), has narrowed the tolerances of these gaskets. Since an unsafe condition has been identified that is likely to exist or develop on aircraft of these type designs, this Airworthiness Directive requires inspection and, where necessary, replacement of the affected PSU Panel J1 and J2 Interface Connector gaskets.

Effective date : August 1, 2006

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

(a) Within the next 36 calendar months after the effective date of this directive, inspect the affected Honeywell International (Grimes Aerospace) PSU Panel Interface Connectors in accordance with Part 3. Accomplishment Instructions of Fokker Service Bulletin SBF50-25-061 or SBF100-25-108, as applicable, both dated March 31, 2006 or a later EASA-approved revision;

(b) When discrepancies are found, before next flight, take the necessary corrective actions as detailed in Part 3. Accomplishment Instructions of Fokker SBF50-25-061 or SBF100-25-108, as applicable, both dated March 31, 2006 or a later EASA-approved revision.

Reference Publication(s) :

Fokker Services SBF50-25-061

Fokker Services SBF100-25-108

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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, Airworthiness Inspectorate, 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.