

AIRWORTHINESS DIRECTIVE OF THE NETHERLANDS

(Bijzondere Luchtwaardigheids Aanwijzing - BLA)



Ministry of Transport, Public Works and Water Management

Directorate-General of Civil Aviation

Aeronautical Inspection Directorate

BLA nr: 92-072

Date : July 10, 1992

F O K K E R

Type: F.27 Mk.050

Seq.: 107

Postbus 575 2130 AN Hoofddorp Tel.02503-63131

The following Airworthiness Directive (BLA), issued by the Department of Civil Aviation of the Netherlands (Rijksluchtvaartdienst - RLD) in accordance with the Civil Air Navigation Regulations (RTL), Art.76 and 88, applies to an aircraft model of which our records indicate you may be the registered owner. 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.

ENGINE FUEL & CONTROL - MECHANICAL FUEL CONTROL UNIT - REPLACEMENT

Description:

One incident has been reported, whereby, during flight, the fuel flow of one engine increased beyond its maximum level. The fuel shut-off lever then failed to cut off the fuel flow completely. Although this resulted in an engine/propeller overtorque, the aircraft landed without further incident and the engine was shut down by pulling the fire handle. Subsequent investigation of the mechanical Fuel Control Unit (MFCU) revealed a failure of the internal bypass valve diaphragm, due to incorrect assembly. Since this unsafe condition may exist on other aircraft with the same engine type installed, this Airworthiness Directive (BLA) requires, as a precautionary measure, the replacement of the existing MFCU P/N 3244858-14 with a similar one, P/N 3244858-15, incorporating a redesigned shut-off valve assembly which ensures a complete shut-off even with maximum fuel flow.

Effectivity:

- * F.27 Mk.050 aircraft serial numbers:
20103 to 20242 inclusive
- * Pratt & Whitney Canada PW125B spare engines, serial numbers:
all, prior to serial number PC-E125119
- * Bendix Avelox spare Mechanical Fuel Control Units (MFCUs), P/N 3244858-14,
all serial numbers.

Effective date: July 17, 1992

Compliance: required at the next engine disassembly which ensures both sufficient access to the affected part and availability of all affected spare parts, or before July 01, 1994, whichever comes first.

Accomplishment: In accordance with Fokker Service Bulletin F50-73-014 dated June 23, 1992 or a later RLD-approved revision; and Pratt & Whitney Canada Service Bulletin (SB) No. 21101 Revision 1 dated February 24, 1992 or a later Transport Canada (DOT) approved revision. Pratt & Whitney Canada Service Information Letter (SIL) No. PW-242 also pertains to this subject.

Remarks:

- Operators of the affected aircraft may obtain copies of the ref. service information upon request directly from the manufacturer.
- Compliance with this AD must be recorded in the proper Aircraft Log Book(s).
- If applicable, the requirements of this AD must be integrated into the aircraft's Maintenance Schedule.

Note: Address inquiries regarding this AD to:

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c/o Bureau Technical Administration
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