AlliedSignal (Lycoming) Turbine Engines - ALF502 and LF507 Series

AIRWORTHINESS DIRECTIVE

For the reasons set out in the background section, the CASA delegate whose signature appears below issues the following Airworthiness Directive (AD) under subregulation 39.1 (1) of CAR 1998. The AD requires that the action set out in the requirement section (being action that the delegate considers necessary to correct the unsafe condition) be taken in relation to the aircraft or aeronautical product mentioned in the applicability section: (a) in the circumstances mentioned in the requirement section; and (b) in accordance with the instructions set out in the requirement section; and (c) at the time mentioned in the compliance section.

AD/ALF/17 No. 4 and 5 Duplex Bearing Assembly 8/2001

Applicability: Honeywell (formerly AlliedSignal) ALF502L, ALF502R and LF507 series engines installed on Canadair CL-600, BAe 146 and AVRO RJ series aircraft.

Requirement: Replace the No. 4 and 5 duplex bearing assembly with an improved single No. 4 bearing assembly in accordance with Honeywell Service Bulletin (SB) ALF/LF 72-1030, Revision 3, dated 3 April 2001 or SB ALF/LF 72-1040, Revision 2, dated 3 April 2001, as applicable.

Note 1: FAA AD 2000-05-14 Amendment 39-11624, paragraph (e) refers.

Note 2: Incorporation of earlier versions of SB ALF/LF 72-1030 or SB ALF/LF 72-1040 (as applicable) meet the intent of this Directive.

Note 3: Incorporation of this Directive is terminating action for Requirement 1 of AD/ALF/14 Amdt 3.

Compliance: Within 6000 hours time in service or 6000 cycles in service from the date of this Directive whichever occurs first.

This Airworthiness Directive becomes effective on 9 August 2001.

Background: This Directive is issued to prevent the No. 4 and 5 duplex bearing failure, which may result in a stage 4 low pressure turbine rotor failure, an uncontained engine failure and damage to the aircraft.

Eugene Paul Holzapfel
Delegate of the Civil Aviation Safety Authority

29 June 2001

The above AD is notified in the *Commonwealth of Australia Gazette* on 11 July 2001.