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## AIRWORTHINESS DIRECTIVE

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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.

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### Allied Signal (Lycoming) Turbine Engines - ALF502 and LF507 Series

**AD/ALF/20**

**Flow Divider Fuel Tube - Inspection**

**3/2003  
DM**

**Applicability:** Honeywell ALF502 Series engines as identified in the Requirement Document.

**Requirement:** Carry out inspection as detailed in FAA AD 2003-02-01, Amdt 39-13017.

**Compliance:** Within 100 flight hours after the effective date of this Directive.

This Airworthiness Directive becomes effective on 29 January 2003.

**Background:** Inadequate clamping resulted in fatigue failure of primary fuel supply tube on an ALF502 engine causing engine fire. This Directive mandates an inspection to ensure that fuel tubes are clamped per the design requirements.



James Coyne  
Delegate of the Civil Aviation Safety Authority

24 January 2003