

---

## 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.

---

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

**AD/ALF/18**

**Turbine Component Life Limits**

**9/2002**

**Applicability:** Honeywell ALF502 and LF507 Series engines identified in the requirement document.

**Requirement:** Remove from service, First Rotor Sealing Plates, First Turbine Rotor Disc and Turbine Spacer per the requirements of FAA AD 2002-12-08.

*Note: FAA AD 2002-12-08, Amdt 39-12780 refers.*

**Compliance:** As detailed in the requirement document with a revised effective date of 5 September 2002.

This Airworthiness Directive becomes effective on 5 September 2002.

**Background:** On-going analysis of field returned hardware has indicated that the low cycle fatigue limits of the turbine hardware are lower than that estimated initially. Hence a lower life limit and a draw down schedule are mandated per this Directive for some turbine hardware.



Eugene Paul Holzapfel  
Delegate of the Civil Aviation Safety Authority

29 July 2002