

Engine model	Engine manual part number (P/N)	Part nomenclature	Inspect per manual section	Inspection/check
7R4D/D1/E/E1 .....	785058 and 785059 .....	All HPT Stage 1—2 Disks and Hubs .....	72-51-00	Inspection/Check-03.
		All LPT Stage 3—6 Disks and Hubs .....	72-52-00	Inspection/Check-03.
		All HPT Stage 1 Disk Web Cooling Holes .....	72-51-06	Inspection/Check-02.

\* P/N 770407 and 770408 are customized versions of P/N 646028 engine manual.

(2) For the purposes of these mandatory inspections, piece-part opportunity means:

- (i) The part is considered completely disassembled when done in accordance with the disassembly instructions in the manufacturer's engine manual; and
- (ii) The part has accumulated more than 100 cycles-in-service since the last piece-part opportunity inspection, provided that the part was not damaged or related to the cause for its removal from the engine."

**Alternative Methods of Compliance**

(g) You must perform these mandatory inspections using the ALS of the Instructions for Continued Airworthiness and the applicable Engine Manual unless you receive approval to use an alternative method of compliance under paragraph (h) of this AD. Section 43.16 of the Federal Aviation Regulations (14 CFR 43.16) may not be used to approve alternative methods of compliance or adjustments to the times in which these inspections must be performed.

(h) The Manager, Engine Certification Office, has the authority to approve alternative methods of compliance for this AD if requested using the procedures found in 14 CFR 39.19.

**Maintaining Records of the Mandatory Inspections**

(i) You have met the requirements of this AD when you change the manufacturer's Instructions for Continued Airworthiness ALS specified in paragraph (f) of this AD, and, for air carriers operating under part 121 of the Federal Aviation Regulations (14 CFR part 121), when you modify your continuous airworthiness maintenance plan to reflect those changes. You do not need to record each piece-part inspection as compliance to this AD but you must maintain records of those inspections according to the regulations governing your operation. For air carriers operating under part 121, you may use either the system established to comply with section 121.369 or an alternative accepted by your principal maintenance inspector if that alternative:

- (1) Includes a method for preserving and retrieving the records of the inspections resulting from this AD; and
- (2) Meets the requirements of section 121.369(c); and
- (3) Maintains the records either indefinitely or until the work is repeated.

(j) These record keeping requirements apply only to the records used to document the mandatory inspections required as a result of revising the ALS of the Instructions for Continued Airworthiness as specified in paragraph (f) of this AD, and do not alter or amend the record keeping requirements for any other AD or regulatory requirement.

Issued in Burlington, Massachusetts, on October 27, 2005.

**Peter A. White,**  
*Acting Manager, Engine and Propeller Directorate, Aircraft Certification Service.*  
 [FR Doc. 05-21804 Filed 11-1-05; 8:45 am]  
**BILLING CODE 4910-13-P**

**DEPARTMENT OF TRANSPORTATION**

**Federal Aviation Administration**

**14 CFR Part 39**

[Docket No. 92-ANE-34-AD]

RIN 2120-AA64

**Airworthiness Directives; Honeywell International Inc., (Formerly AlliedSignal, Inc. and Textron Lycoming) ALF502L Series and ALF502R Series Turbofan Engines**

**AGENCY:** Federal Aviation Administration (FAA), DOT.

**ACTION:** Notice of proposed rulemaking (NPRM).

**SUMMARY:** The FAA proposes to supersede an existing airworthiness directive (AD), AD 95-04-11, for Honeywell International Inc., (formerly AlliedSignal, Inc. and Textron Lycoming) ALF502L series and ALF502R series turbofan engines. That AD currently establishes stress rupture retirement life limits for certain third stage turbine discs used in conjunction with certain third stage turbine nozzles. This proposed AD would bring requirements forward and unchanged, from the previous AD for ALF502R series turbofan engines. Also, this proposed AD would establish new reduced stress rupture retirement life limits for certain part numbers (P/Ns) of third stage turbine disc and shaft assemblies installed in ALF502L series turbofan engines. This proposed AD would also require removing those same parts from service using a drawdown schedule. This proposed AD results from a report of failure of a third stage turbine disc and shaft assembly, leading to turbine blade release and separation of the exhaust nozzle. We are proposing this AD to prevent total loss of engine power, in-flight engine shutdown, release of turbine blades, separation of

the exhaust nozzle, and possible damage to the airplane.

**DATES:** We must receive any comments on this proposed AD by January 3, 2006.

**ADDRESSES:** Use one of the following addresses to comment on this proposed AD:

- By mail: Federal Aviation Administration (FAA), New England Region, Office of the Regional Counsel, Attention: Rules Docket No. 92-ANE-34-AD, 12 New England Executive Park, Burlington, MA 01803-5299.

• By fax: (781) 238-7055.

• By e-mail: [9-ane-adcomment@faa.gov](mailto:9-ane-adcomment@faa.gov).

Contact Honeywell Engines, Systems & Services, Customer Support Center, M/S 26-06/2102-323, P.O. Box 29003, Phoenix, AZ 85038-9003; telephone (800) 601-3099, for the service information identified in this proposed AD.

You may examine the AD docket at the FAA, New England Region, Office of the Regional Counsel, 12 New England Executive Park, Burlington, MA.

**FOR FURTHER INFORMATION CONTACT:** Robert Baitoo, Aerospace Engineer, Los Angeles Aircraft Certification Office, FAA, Transport Airplane Directorate, 3960 Paramount Blvd., Lakewood, CA 90712-4137; telephone: (562) 627-5245, fax: (562) 627-5210.

**SUPPLEMENTARY INFORMATION:**

**Comments Invited**

We invite you to send any written relevant data, views, or arguments regarding this proposal. Send your comments to an address listed under **ADDRESSES**. Include "AD Docket No. 92-ANE-34-AD" in the subject line of your comments. If you want us to acknowledge receipt of your mailed comments, send us a self-addressed, stamped postcard with the docket number written on it; we will date-stamp your postcard and mail it back to you. We specifically invite comments on the overall regulatory, economic, environmental, and energy aspects of the proposed AD. If a person contacts us verbally, and that contact relates to a substantive part of this proposed AD, we will summarize the contact and place the summary in the docket. We will consider all comments received by

the closing date and may amend the proposed AD in light of those comments.

### Examining the AD Docket

You may examine the AD Docket (including any comments and service information), by appointment, between 8 a.m. and 4:30 p.m., Monday through Friday, except Federal holidays. See **ADDRESSES** for the location.

### Discussion

On March 2, 1995, we issued AD 95-04-11, Amendment 39-9163 (60 FR 11621, April 3, 1995), applicable to ALF502L series and ALF502R series turbofan engines. That AD established stress rupture retirement life limits for certain third stage turbine discs used in conjunction with certain third stage turbine nozzles. That AD resulted from introduction of an improved design third stage turbine nozzle, and a new reduced stress rupture retirement life limit for certain third stage turbine discs on the ALF502L series engines. That condition, if not corrected, could result in total loss of engine power, in-flight engine shutdown, and possible damage to the airplane.

### Actions Since AD 95-04-11 Was Issued

Since we issued that AD, we received a report of a third stage turbine disc and shaft assembly failure in an ALF502L-2C engine. The rim of the disc ruptured during airplane climb, resulting in release of turbine blades and separation of the exhaust nozzle. Honeywell International Inc. has also cited several other separation incidents of third stage turbine blades, resulting in airplane and engine damage. The third stage turbine disc and shaft assemblies involved in these events were all of the Honeywell Pre SB No. ALF502L 72-232 configuration.

### Relevant Service Information

We have reviewed and approved the technical contents of Honeywell International Service Bulletin (SB) No. ALF502 72-0004, Revision 17, dated January 16, 2005. That SB establishes new reduced service life limits for third stage turbine disc and shaft assemblies installed in ALF502L series turbofan engines that have operated in the Pre SB No. ALF502L 72-232 configuration. That SB also describes procedures for calculating the remaining service life of certain third stage turbine disc and shaft assemblies that have operated in Pre and Post SB No. ALF502L 72-232 configurations.

### FAA's Determination and Requirements of the Proposed AD

We have evaluated all pertinent information and identified an unsafe condition that is likely to exist or develop on other products of this same type design. We are proposing this AD, which would require:

- Bringing requirements forward and unchanged from AD 95-04-11 for ALF502R series turbofan engines; and
- For ALF502L series turbofan engines, establishing new reduced service life limits for third stage turbine disc and shaft assemblies, P/N 2-143-030-05; P/N 2-143-030-08; P/N 2-143-030-14; P/N 2-143-030-R21; P/N 2-143-030-22; and P/N 2-143-030-23, that have operated in the Honeywell Pre SB No. ALF502L 72-232 configuration; and
- Removing those same parts from service using a drawdown schedule.
- Limiting the special flight permits for this AD by allowing a onetime special flight if the disc life limit has been reached.

The proposed AD would require that you calculate the remaining service life of certain third stage turbine disc and shaft assemblies using the service information described previously.

### Costs of Compliance

There are about 180 Honeywell International, Inc. ALF502L, ALF502L-2, ALF502L-2A, ALF502L-2C, ALF502L-3, and ALF502R series turbofan engines of the affected design in the worldwide fleet. We estimate the proposed AD would affect 170 engines installed on airplanes of U.S. registry. We also estimate that it would take about 14 work hours per engine to perform the proposed actions, and that the average labor rate is \$65 per work hour. The prorated cost of a replacement third stage turbine disc and shaft assembly is estimated to be \$40,000. Based on these figures, we estimate the total labor cost of the proposed AD on U.S. operators to be \$6,954,700.

### Authority for This Rulemaking

Title 49 of the United States Code specifies the FAA's authority to issue rules on aviation safety. Subtitle I, Section 106, describes the authority of the FAA Administrator. Subtitle VII, Aviation Programs, describes in more detail the scope of the Agency's authority.

We are issuing this rulemaking under the authority described in Subtitle VII, Part A, Subpart III, Section 44701, "General requirements." Under that section, Congress charges the FAA with promoting safe flight of civil aircraft in

air commerce by prescribing regulations for practices, methods, and procedures the Administrator finds necessary for safety in air commerce. This regulation is within the scope of that authority because it addresses an unsafe condition that is likely to exist or develop on products identified in this rulemaking action.

### Regulatory Findings

We have determined that this proposed AD would not have federalism implications under Executive Order 13132. This proposed AD would not have a substantial direct effect on the States, on the relationship between the national Government and the States, or on the distribution of power and responsibilities among the various levels of government.

For the reasons discussed above, I certify that the proposed regulation:

1. Is not a "significant regulatory action" under Executive Order 12866;
2. Is not a "significant rule" under the DOT Regulatory Policies and Procedures (44 FR 11034, February 26, 1979); and
3. Would not have a significant economic impact, positive or negative, on a substantial number of small entities under the criteria of the Regulatory Flexibility Act.

We prepared a summary of the costs to comply with this proposal and placed it in the AD Docket. You may get a copy of this summary by sending a request to us at the address listed under **ADDRESSES**. Include "AD Docket No. 92-ANE-34-AD" in your request.

### List of Subjects in 14 CFR Part 39

Air transportation, Aircraft, Aviation safety, Safety.

### The Proposed Amendment

Accordingly, under the authority delegated to me by the Administrator, the Federal Aviation Administration proposes to amend 14 CFR part 39 as follows:

### PART 39—AIRWORTHINESS DIRECTIVES

1. The authority citation for part 39 continues to read as follows:

**Authority:** 49 U.S.C. 106(g), 40113, 44701.

#### § 39.13 [Amended]

2. The FAA amends § 39.13 by removing Amendment 39-9163 (60 FR 11621, April 3, 1995) and by adding a new airworthiness directive to read as follows:

**Honeywell International Inc. (formerly AlliedSignal, Inc. and Textron Lycoming):** Docket No. 92-ANE-34-AD.

**Comments Due Date**

(a) The Federal Aviation Administration (FAA) must receive comments on this airworthiness directive (AD) action by January 3, 2006.

**Affected ADs**

(b) This AD supersedes AD 95-04-11, Amendment 39-9163.

**Applicability**

(c) This AD applies to Honeywell International Inc., (formerly AlliedSignal, Inc. and Textron Lycoming) ALF502L, ALF502L-2, ALF502L-2A, ALF502L-2C, and ALF502L-3 series turbofan engines with third stage turbine disc and shaft assemblies that have operated in the Honeywell Pre SB No. ALF502L 72-232 configuration. This AD also applies to ALF502R series engines. These engines are installed on, but not limited to, BAe Systems AVRO 146 and Bombardier (Canadair) CL600-1A11 series airplanes.

**Unsafe Condition**

(d) This AD results from a report of failure of a third stage turbine disc and shaft assembly, leading to turbine blade release and separation of the exhaust nozzle. We are issuing this AD to prevent total loss of engine power, in-flight engine shutdown, release of turbine blades, separation of the exhaust nozzle, and possible damage to the airplane.

**Compliance**

(e) You are responsible for having the actions required by this AD performed within the compliance times specified unless the actions have already been done.

**ALF502L Series Turbofan Engines**

*Determination of Third Stage Turbine Disc and Shaft Assembly Drawdown Schedule*

(f) For ALF502L series turbofan engines, determine if the third stage turbine disc and shaft assembly is currently operating in the

Pre SB No. ALF502L 72-232 configuration as follows:

(1) If third stage turbine nozzle assembly, part number (P/N) 2-141-120R56/-57 is installed, then Honeywell SB No. ALF502L 72-232 has been complied with. Proceed to the drawdown schedule in paragraph (h) of this AD.

(2) If any other third stage turbine nozzle assembly is installed, then the engine is in the Pre SB No. ALF502L 72-232 configuration. Proceed to the drawdown schedule in paragraph (g) of this AD.

**Drawdown Schedule for Third Stage Turbine Disc and Shaft Assemblies That Are Operating in the Pre SB No. ALF502L 72-232 Configuration**

(g) For ALF502L series turbofan engines, use the drawdown schedule described in the following Table 1, and replace with serviceable parts:

**TABLE 1.—DRAWDOWN SCHEDULE FOR THIRD STAGE TURBINE DISC AND SHAFT ASSEMBLIES IN PRE SB ALF502L 72-232 CONFIGURATION**

For third stage turbine disc and shaft assembly P/Ns	If hours-in-service (HIS) on the effective date of this AD are	Then remove
2-143-030-05 .....	(1) 5,200 or more HIS .....	Within 50 additional HIS.
2-143-030-08 .....	(2) 5,001 to 5,199 HIS .....	Before reaching 5,250 HIS.
2-143-030-14 .....	(3) 2,551 to 5,000 HIS .....	Within 250 additional HIS.
2-143-030R21 .....	(4) 2,550 or fewer HIS .....	Before reaching 2,800 HIS.
2-143-030-22.		
2-143-030-23.		

**Determination of Drawdown Schedule for Third Stage Turbine Disc and Shaft Assemblies That Have Operated in Pre and Post SB No. ALF502L 72-232 Configurations**

(h) For ALF502L series turbofan engines, with third stage turbine disc and shaft assemblies converted from Pre SB No. ALF502L 72-232 configuration to Post SB

No. ALF502L 72-232 configuration, do the following:

(1) Determine the total HIS accumulated on the third stage turbine disc and shaft assembly at time of installation of third stage turbine nozzle assembly, P/N 2-141-120-R56/-57.

(2) If the total is 2,800 HIS or more, use the drawdown schedule in Table 1 of this AD to remove the assembly from service.

(3) If the total is fewer than 2,800 HIS, calculate the remaining service life using paragraphs 2.A. through 2.B.(4)(i) of the Accomplishment Instructions of Honeywell SB No. ALF502 72-0004, Revision 17, dated January 16, 2005.

(i) For ALF502L series turbofan engines, use the drawdown schedule described in the following Table 2 to remove the assembly from service:

**TABLE 2.—DRAWDOWN SCHEDULE FOR THIRD STAGE TURBINE DISC AND SHAFT ASSEMBLIES OPERATED IN PRE AND POST SB NO. ALF502L 72-232 CONFIGURATION**

For third stage turbine disc and shaft assembly part numbers:	If HIS on the effective date of this AD are:	Then:
(1) 2-143-030-05, 2-143-030-08, 2-143-030-14.	(i) 30,000 or more HIS .....	Remove within 50 additional HIS.
	(ii) 27,250 to 29,999 HIS .....	Remove within 250 additional HIS.
	(iii) Fewer than 27,250 HIS .....	Remove using Tables 1 through 5 of Honeywell SB No. ALF502 72-0004, Revision 17, dated January 16, 2005.
(2) 2-143-030R21, 2-143-030-23 .....	(i) 24,650 or more HIS .....	Remove within 50 additional HIS.
	(ii) 22,150 to 24,649 HIS .....	Remove within 250 additional HIS.
	(iii) Fewer than 22,150 HIS .....	Remove using Tables 1 through 5 of Honeywell SB No. ALF502 72-0004, Revision 17, dated January 16, 2005.
(3) 2-143-030-22 .....	(i) 50,000 or more HIS .....	Remove within 50 additional HIS.
	(ii) 49,750 to 49,999 HIS .....	Remove within 250 additional HIS.
	(iii) Fewer than 49,750 HIS .....	Remove using Tables 1 through 5 of Honeywell SB No. ALF502 72-0004, Revision 17, dated January 16, 2005.

**ALF502R Series Turbofan Engines****Requirements Brought Forward, and Unchanged From AD 95-04-11**

(j) For ALF502R series turbofan engines, remove from service and replace with a serviceable part third stage turbine disks, P/Ns 2-143-030-05, 2-143-030-08, and 2-143-030-14, as follows:

(1) For disks that have been installed only with third stage turbine nozzles P/Ns 2-141-130-52 or 2-141-120-53, remove from service as follows:

(i) For disks that have accumulated 13,220 or more hours time in service (TIS) since new on April 13, 1995 (the effective date of AD 95-04-11), within the next 80 hours TIS after December 11, 1990, but not to exceed the existing cyclic life limit.

(ii) For disks that have accumulated less than 13,220 hours TIS since new on April 13, 1995, before accumulating more than 13,300 hours TIS since new, but not to exceed the existing cyclic life limit.

(iii) Thereafter, remove disks before accumulating more than 13,300 hours TIS since new, but not to exceed the existing cyclic life limit.

(2) For disks that have been installed only with third stage turbine nozzles, P/Ns 2-141-120-57 or 2-141-120-R56, remove from service as follows:

(i) For disks that have accumulated 27,420 or more hours TIS since new on April 13, 1995, within 80 hours TIS after April 13, 1995, but not to exceed the existing cyclic life limit.

(ii) For disks that have accumulated less than 27,420 hours TIS since new on April 13, 1995, before accumulating more than 27,500 hours TIS since new, but not to exceed the existing cyclic life limit.

(iii) Thereafter, remove disks before accumulating more than 27,500 hours TIS since new, but not to exceed the existing cyclic life limit.

(3) For disks that have been installed with both third stage turbine nozzles, P/Ns 2-141-120-52 or 2-141-120-120-53, and third stage turbine nozzles P/Ns 2-141-120-57 or 2-141-120-R56, remove from service as follows:

(i) Determine the prorated hourly life limit using the procedure defined in the Accomplishment Instructions, Section 2.B.(2) of Textron Lycoming SB No. ALF502 72-0002, Revision 22, dated December 21, 1992. From this prorated hourly life limit, subtract 80 hours TIS to determine the compliance threshold.

(ii) For disks that have equaled or exceeded the compliance threshold on April 13, 1995, within the next 80 hours TIS, but not to exceed the existing cyclic life limit.

(iii) For disks that have accumulated fewer than the compliance threshold on April 13, 1995, before accumulating more than the calculated prorated hourly life limit.

(iv) Thereafter, remove disks at or before accumulating the prorated hourly life limit, but not to exceed the existing cyclic life limit.

**Alternative Methods of Compliance**

(k) The Manager, Los Angeles Aircraft Certification Office, has the authority to

approve alternative methods of compliance for this AD if requested using the procedures found in 14 CFR 39.19.

**Special Flight Permits**

(l) Under 14 CFR part 39.23, we are limiting the special flight permits for this AD by allowing a onetime special flight if the disc life limit has been reached.

**Related Information**

(m) Honeywell SB No. ALF/LF A72-1085, Revision 1, dated January 16, 2005, pertains to the subject of this AD.

Issued in Burlington, Massachusetts, on October 27, 2005.

**Peter A. White,**

*Acting Manager, Engine and Propeller Directorate, Aircraft Certification Service.*

[FR Doc. 05-21802 Filed 11-1-05; 8:45 am]

**BILLING CODE 4910-13-P**

**DEPARTMENT OF TRANSPORTATION****Federal Aviation Administration****14 CFR Part 71****User Input to the Aviation Weather Technology Transfer (AWTT) Board**

**AGENCY:** Federal Aviation Administration (FAA), Department of Transportation (DOT).

**ACTION:** Proposed rule; notice of public meeting.

**SUMMARY:** The FAA will hold an informal public meeting to seek aviation weather user input on convective weather products. Details: November 10, 2005; Orlando Orange County Convention Center, 9800 International Drive, Room N210A, Orlando, Florida 32819, 1 p.m. to 5 p.m. The objective of this meeting is to provide an opportunity for interested Government and commercial sector representatives who use Government-provided aviation weather information in operational decision-making to provide input on FAA's plans for implementing new convective weather products.

**DATES:** The meeting will be held at the Orlando Orange County Convention Center, 9800 International Drive, Room N210A, Orlando, Florida 32819; Times: 1 p.m. to 5 p.m. on November 10, 2005.

**FOR FURTHER INFORMATION CONTACT:** Debi Bacon, Air Traffic Administration, 800 Independence Ave., SW., Washington, DC 20591; telephone number (202) 385-7705; Fax: (202) 385-7701; e-mail: [debi.bacon@faa.gov](mailto:debi.bacon@faa.gov).

**SUPPLEMENTARY INFORMATION:****History**

In 1999, the FAA established an Aviation Weather Technology Transfer

(AWTT) Board to manage the orderly transfer of weather capabilities and products from research and development (R&D) into operations. The Director of the National Airspace (NAS) Weather Office, Operations Planning, Air Traffic Organization chairs the AWTT Board. The board is composed of stakeholders in the Air Traffic and Aviation Safety organizations in the Federal Aviation Administration and the Office of Climate, Water and Weather Services, the Office of Science and Technology, and the National Center for Environmental Predictions (NCEP) in the National Weather Service.

The AWTT Board meets semi-annually or as needed to determine the readiness of weather R&D products for experimental use or full operational use for meteorologists or for end users. The board makes the determination based on technical and operational readiness, cost and benefits, user needs and budget considerations.

FAA has the sole responsibility and authority to make decisions intended to provide a safe, secure, and efficient U.S. national airspace system. However, it behooves FAA to not make decisions in a vacuum. Rather, FAA is seeking inputs from the user community before decisions are finalized.

Industry users are invited to participate in one-day meetings about three times per year to give specific feedback to the Government. Meetings will be focused on a specific domain (e.g. terminal, enroute) or specific weather phenomena (e.g. turbulence, convection). Meetings will include a time for users to provide input on specific weather products and aviation weather road maps and to surface issues or concerns with those products. The industry review sessions will be announced in the **Federal Register** and open to all interested parties.

This meeting is the industry session focused on convective weather products, roadmaps and research activities.

**Meeting Procedures**

(a) The meeting will be informal in nature and will be conducted by representatives of the FAA Headquarters.

(b) The meeting will be open to all persons on a space-available basis. Every effort was made to provide a meeting site with sufficient seating capacity for the expected participation. There will be neither admission fee nor other charge to attend and participate. This meeting is being held in conjunction with the NBAA Convention 2005. There is a charge to attend the NBAA convention; however, any person