

2009-24-12 Honeywell International Inc. (Formerly AlliedSignal, Textron Lycoming, and Avco Lycoming): Amendment 39-16104. Docket No. FAA-2008-1019; Directorate Identifier 2007-NE-49-AD.

Effective Date

(a) This airworthiness directive (AD) becomes effective January 4, 2010.

Affected ADs

(b) None.

Applicability

(c) This AD applies to Honeywell International Inc. models LTS101-600A-2, -600A-3, -600A-3A, -650B-1, -650B-1A, -650C-2, -650C-3, -650C-3A, -750A-1, -750A-3, -750B-1, -750B-2, and -750C-1 turboshaft engines and LTP101-600A-1A and -700A-1A turboprop engines with certain gas generator turbine discs, part number (P/N) 4-111-015-14, installed. These engines are installed on, but not limited to, Eurocopter France AS350, Eurocopter Deutschland GMBH BK117, and Bell Helicopter Textron 222 helicopters; and Page Thrush, Air Tractor AT-302, Industrie Aeronautiche e Meccaniche (formerly Piaggio & Co.) P166-DL3, Pacific Aero 08-600, and Riley International R421 airplanes.

Unsafe Condition

(d) This AD results from an error in a change to the engineering drawing for the gas generator turbine disc from which Honeywell manufactured 260 discs. We are issuing this AD to prevent rupture of the gas generator turbine disc, which could result in uncontained engine failure and damage to the aircraft.

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.

Drawdown Schedule and New Reduced Life Limit for Certain Gas Generator Turbine Discs

(f) For model LTS101-600, -650, and -750 series turboshaft engines and model LTP101-600A-1A and -700A-1A turboprop engines that have a gas generator turbine disc serial number (SN) specified in Appendix 1 of Honeywell International Inc. Service Bulletin (SB) LT 101-71-00-0002, Revision 26, dated April 2, 2008, remove the engine using the drawdown schedule specified in Table 1 of this AD.

Table 1--Drawdown Schedule

Engine Model	If disc cycle count on the effective date of this AD is	Then remove disc
(1) LTS101–600, –650, and –750 series turboshaft engines.	≤(i) Fewer than 4,940 cycles-since-new (CSN).	Before accumulating 5,040 CSN.
	(ii) 4,940 or more CSN.	Within 100 cycles-in-service (CIS).
≤(2) LTP101–600A–1A and –700A–1A turboprop engines.	(i) Fewer than 2,720 CSN.	Before accumulating 2,770 CSN.
	(ii) 2,720 or more CSN.	Within 50 CIS.

Installation Prohibitions

(g) After the effective date of this AD, don't install any model LTS101-600, -650, or -750 series turboshaft engine that has a gas generator turbine disc, P/N 4-111-015-14, with a SN listed in Appendix 1 of Honeywell International Inc. SB LT 101-71-00-0002, Revision 26, dated April 2, 2008; if that disc has 5,040 or more CSN.

(h) After the effective date of this AD, don't install any model LTP101-600A-1A or -700A-1A turboprop engine that has a gas generator turbine disc, P/N 4-111-015-14, with a SN listed in Appendix 1 of Honeywell International Inc. SB LT 101-71-00-0002, Revision 26, dated April 2, 2008; if that disc has 2,770 or more CSN.

Alternative Methods of Compliance

(i) 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.

Related Information

(j) Contact Robert Baitoo, Aerospace Engineer, Los Angeles Aircraft Certification Office, FAA, Transport Airplane Directorate, 3960 Paramount Blvd., Lakewood, CA 90712-4137; e-mail: robert.baitoo@faa.gov; telephone (562) 627-5245; fax (562) 627-5210, for more information about this AD.

Material Incorporated by Reference

(k) You must use Appendix 1 of Honeywell International Inc. Service Bulletin LT 101-71-00-0002, Revision 26, dated April 2, 2008, to determine the gas generator turbine disc serial numbers affected by this AD. The Director of the Federal Register approved the incorporation by reference of this service bulletin in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Contact Honeywell International Inc., P.O. Box 52181, Phoenix, AZ 85072-2181; telephone (800) 601-3099 (U.S.A.) or (602) 365-3099 (International); or go to: <https://portal.honeywell.com/wps/portal/aero>, for a copy of this service information. You may review copies at the FAA, New England Region, 12 New England Executive Park, Burlington, MA; or at the National Archives and Records Administration (NARA).

For information on the availability of this material at NARA, call 202- 741-6030, or go to:
<http://www.archives.gov/federal-register/cfr/ibr-locations.html>.