

2010-06-11 Honeywell International Inc. (Formerly AlliedSignal Inc., formerly Garrett Turbine Engine Company): Amendment 39-16235. Docket No. FAA-2009-0331; Directorate Identifier 2008-NE-40-AD.

Effective Date

(a) This airworthiness directive (AD) becomes effective April 21, 2010.

Affected ADs

(b) None.

Applicability

(c) This AD applies to Honeywell International Inc. TFE731-2, TFE731-2A, TFE731-2C, TFE731-3, TFE731-3A, TFE731-3AR, TFE731-3B, TFE731-3BR, TFE731-3C, TFE731-3CR, TFE731-3D, TFE731-3DR, TFE731-3R, TFE731-4, TFE731-4R, TFE731-5, TFE731-5AR, TFE731-5BR, and TFE731-5R series turbofan engines with certain second stage low-pressure compressor rotor (LPCR) discs, part number (P/N) 3072396-1 or 3075190-1, and/or certain third stage LPCR discs, P/N 3072397-1 or 3075192-1, installed. These engines are installed on, but not limited to, the airplanes listed in Table 1 of this AD.

Table 1--Installed on Airplanes by Manufacturer

Manufacturer	Model
Dassault-Aviation or Dassault Aviation	Falcon 10 (Falcon 100) and Mystere-Falcon 20, 50, 900 and MF900 series.
Cessna Aircraft Company	Model 650, Citation III, VI, and VII.
Gulfstream Aerospace LP	1125 Westwind Astra.
Israel Aircraft Industries	1124 and 1124A (Westwind).
Learjet Inc.	31, 31A, 35, 35A, 36, 36A, 55, 55B, 55C, and M31.
Lockheed Martin Corporation (formerly Lockheed-Georgia)	1329-23A, 1329-23D, 1329-23E, and 1329-25.
Raytheon Corporate Jets (formerly British Aerospace and Hawker Beechcraft Corporation)	DH.125 Series 1A, 3A, and 3A/RA, HS.125 Series F3B and F3B/RA, BH.125 and DH.125 Series 400A, HS.125 Series 403B, F400B, and F403B, HS.125 Series 600A, BH.125 Series 600A, HS.125 Series F600B, 700A, and 700B, BAe.125 Series 800 and 1000, and Hawker 800 and 850XP series.

Unsafe Condition

(d) This AD results from a report of cracks found during a fluorescent penetrant inspection (FPI) of the disc bore. We are issuing this AD to prevent an uncontained failure of a second stage LPCR disc and/or a third stage LPCR disc due to cracks in the bore, which could result in 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.

Removing LPCR Discs From Service

(f) For engines with any of the serial number (S/N) LPCR discs listed in Table 5 of Honeywell International Inc. Alert Service Bulletins (ASBs) TFE731-72-A3748, dated August 21, 2008, and/or Table 5 of TFE731-72-A3749, dated August 21, 2008, remove those LPCR discs from service within 100 cycles-in-service (CIS) after the effective date of this AD.

(g) For engines with any of the S/N LPCR discs listed in Table 6 of Honeywell International Inc. ASBs TFE731-72-A3748, dated August 21, 2008, and/or Table 6 of TFE731-72-A3749, dated August 21, 2008, do the earlier of the following:

- (1) Remove the LPCR disc from service within 2,000 CIS after the effective date of this AD, or
- (2) Remove the LPCR disc from service the next time the intermediate case is removed from the low-pressure compressor case.

Installation Prohibition

(h) After the effective date of this AD, do not install any of the S/Ns of LPCR discs listed in Table 5 of Honeywell International Inc. ASBs TFE731-72-A3748, dated August 21, 2008, and the discs listed in Table 5 of TFE731-72-A3749, dated August 21, 2008, into any engine. Also, do not install any of the S/Ns of LPCR discs listed in Table 6 of Honeywell International Inc. ASBs TFE731-72-A3748, dated August 21, 2008, and the discs listed in Table 6 of TFE731-72-A3749, dated August 21, 2008, into any engine.

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 Joseph Costa, Aerospace Engineer, Los Angeles Aircraft Certification Office, FAA, Transport Airplane Directorate, 3960 Paramount Blvd., Lakewood, CA 90712-4137; e-mail: joseph.costa@faa.gov; telephone: (562) 627-5246; fax: (562) 627- 5210, for more information about this AD.

Material Incorporated by Reference

(k) You must use the service information specified in the following Table 2 to identify the affected discs requiring removal. The Director of the Federal Register approved the incorporation by reference of the documents listed in the following Table 2 in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Contact Honeywell Engines and Systems Technical Publications and Distribution, M/S 2101-201,

P.O. Box 52170, Phoenix, AZ 85072-2170, telephone: Global Customer Care toll free (800) 601-3099; International callers (602) 365-3099, 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](http://www.archives.gov/federal-register/cfr/ibr-locations.html).

Table 2--Incorporation by Reference

Honeywell International Inc. Alert Service Bulletin No.	Page	Revision	Date
TFE731-72-A3748 Total Pages: 18	All	Original	August 21, 2008
TFE731-72-A3749 Total Pages: 14	All	Original	August 21, 2008