
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 39.001(1) of CASR 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.

Rolls Royce Germany Turbine Engines - BR700 Series**AD/BR700/9****Fan Disc Retirement Lives****7/2007
TX**

Applicability: Rolls-Royce Deutschland Ltd & Co KG BR700-715A1-30, BR700-715B1-30 and BR700-715C1-30 engines.

Note 1: These engines are known to be installed on, but not limited to Boeing 717 aircraft.

- Requirement:**
1. Amend the Time Limits Manual (TLM) SUBTASK 05-10-01-860-016 by revising the “GIVEN LIFE A1-30 RATING (FLIGHT CYCLES)” for both the BR715 LP Compressor (Fan) Disc Assembly Part No. BRH10048 and BR715 LP Compressor (Fan) Disc Assembly Part No. BRH19253 from 33000 flight cycles to 25000 flight cycles.
 2. Amend any other Reference, where the maximum approved life is quoted for the BR715 LP Compressor (Fan) Disc Assembly Part No. BRH10048 or the BR715 LP Compressor (Fan) Disc Assembly Part No. BRH19253, when installed in the BR700-715A1-30 engine model and operated under the Hawaiian Flight Mission, to the revised maximum approved life of 25000 flight cycles.
 3. Check the Life Limited Parts (LLP) Tracking Sheet for both the BR715 LP Compressor (Fan) Disc Assembly Part No. BRH10048 and BR715 LP Compressor (Fan) Disc Assembly Part No. BRH19253 if the relevant BR715 LP Compressor (Fan) Disc Assembly is currently or has previously been installed in the BR700-715A1-30 engine model and operated under the Hawaiian Flight Mission. Refer to Time Limits Manual (TLM) TASK 05-00-01-800-001 for Recording and Control of the lives of parts.
 - a. If NO, no further action in accordance with this AD is required.
 - b. If YES, up-date all pro rata calculations and complete the LLP Tracking Sheet of the relevant BR715 LP Compressor (Fan) Disc Assembly for both the BR715 LP Compressor (Fan) Disc Assembly Part No. BRH10048 and BR715 LP Compressor (Fan) Disc Assembly Part No. BRH19253, using the revised Hawaiian Flight Mission maximum approved life of 25000 flight cycles and check if their consumed life has exceeded the maximum approved life of the Flight Mission currently installed.

Rolls Royce Germany Turbine Engines - BR700 Series

AD/BR700/9 (continued)

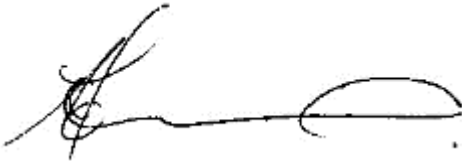
- (i) If NO, no further actions in accordance with this AD are required.
- (ii) If YES, reject the relevant BR715 LP Compressor (Fan) Disc Assembly.

Note 2: EASA Emergency AD 2007-0116-E dated 4 May 2007 refers.

Compliance: No later than 100 flight cycles after the effective date of this AD.

This Airworthiness Directive becomes effective on 11 May 2007.

Background: The most recent 3D FEM modelling has resulted in the need to reconsider the disc lives as currently show in the Time Limits Manual. The current Post Certification Life Statement for the Low Pressure (LP) Compressor (Fan) Disc Assembly revises the Declared Safe Cyclic Life (DSCL) from 33000 flight cycles to 25000 flight cycles for both the BR715 LP Compressor (Fan) Disc Assembly Part No. BRH10048 and BR715 LP Compressor (Fan) Disc Assembly Part No. BRH19253, when installed in the BR700-715A1-30 engine model and operated against the Hawaiian Flight Mission.



Charles Lenarcic
Delegate of the Civil Aviation Safety Authority

8 May 2007