


EASA	EMERGENCY AIRWORTHINESS DIRECTIVE	
	<p>EAD No.: 2007- 0116-E</p> <p>Date: 04 May 2007</p>	
<p>No person may operate an aircraft to which an Airworthiness Directive applies, except in accordance with the requirements of that Airworthiness Directive unless otherwise agreed with the Authority of the State of Registry.</p>		
<p>Type Approval Holder's Name: Rolls-Royce Deutschland Ltd & Co KG</p>	<p>Type/Model designation(s): BR700-715A1-30 BR700-715B1-30 BR700-715C1-30</p>	
<p>TCDS Number: LBA 6336</p>		
<p>Foreign AD: Not applicable.</p>		
<p>Supersedes: Not applicable.</p>		
<p>ATA 72</p>	<p>Engine - Low Pressure (LP) Compressor (Fan) Disc Assembly – Reduction of the Time Limits Manual maximum approved lives</p>	
<p>Manufacturer(s):</p>	<p>Rolls-Royce Deutschland Ltd & Co KG</p>	
<p>Applicability:</p>	<p>All BR700-715A1-30, BR700-715B1-30 and BR700-715C1-30 engines. These engines are known to be installed on, but not limited to Boeing 717 aircraft.</p>	
<p>Reason:</p>	<p>The application of most recent 3D FEM modeling has resulted in the need to reconsider the disc lives as currently show in the Time Limits Manual.</p> <p>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.</p> <p>This EAD has been raised to mandate a reduction of the maximum approved lives in the BR715 Time Limits Manual (TLM) T-715-3BR 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 under the Hawaiian Flight Mission in order to prevent from</p>	

	the potential of non containment of high energy debris which can lead to a hazardous condition to the aircraft.
Effective Date:	07 May 2007
Compliance:	<p>No later than 100 flight cycles after the effective date of this Airworthiness Directive the following mandatory actions need to be completed for each individual BR715 LP Compressor (Fan) Disc Assembly installed in a BR700-715A1-30, B1-30 or C1-30 engine:</p> <ol style="list-style-type: none"> 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. <ol style="list-style-type: none"> 3.1 If NO, no further action in accordance with this EAD is required. 3.2 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. <ol style="list-style-type: none"> 3.2.1 If NO, no further actions in accordance with this EAD are required. 3.2.2 If YES, reject the relevant BR715 LP Compressor (Fan) Disc Assembly.
Ref. Publications:	BR715 Time Limits Manual (TLM) T-715-3BR
Remarks:	<ol style="list-style-type: none"> 1. If requested and appropriately substantiated the responsible EASA manager for the related product has the authority to accept Alternative Methods of Compliance (AMOC) for this EAD. 2. The safety assessment has requested not to implement the full consultation process and an immediate publication and notification. 3. Enquiries regarding this EAD should be addressed to AD Focal Point, Certification Directorate, EASA. E-mail: ADs@easa.europa.eu 4. For any questions concerning the technical content of the requirements in this EAD, please contact: E-mail: rrd.aog@rolls-royce.com