


EASA	EMERGENCY AIRWORTHINESS DIRECTIVE	
	EAD No.: 2007-0152-E Date: 25 May 2007 [Corrected: 01 June 2007]	
	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.	
Type Approval Holder's Name: Rolls-Royce Deutschland Ltd & Co KG		Type/Model designation(s): BR700-715A1-30, BR700-715B1-30, BR700-715C1-30
TCDS Number: LBA 6336		
Foreign AD: Not applicable.		
Supersedes: Not applicable.		
ATA 72	Engine - High Pressure (HP) Turbine Discs Assembly – Reduction of the Time Limits Manual maximum approved lives	
Manufacturer(s):	Rolls-Royce Deutschland Ltd & Co KG	
Applicability:	All BR700-715A1-30, BR700-715B1-30 and BR700-715C1-30 engines, which have Service Bulletin BR700-72-100801 incorporated. These engines are known to be installed on, but not limited to Boeing 717 aircraft.	
Reason:	<p>It is necessary to change the life limits of the High Pressure (HP) Turbine Stage 1 and Stage 2 Rotor Discs. The maximum approved life of these discs is decreased for all flight missions.</p> <p>This Emergency Airworthiness Directive (EAD) has been raised to instruct mandatory decreased maximum approved lives in the BR715 Time Limits Manual (TLM) T-715-3BR for the HP Turbine Stage 1 Rotor Disc for both Part No. BRH20130 and Part No. BRH20131 and of the High Pressure (HP) Turbine Stage 2 Rotor Disc for both Part No. BRH19423 and Part No. BRH19427 for all flight missions. The life limits are decreased by the same proportion for all flight missions, thus back to birth pro-rata calculations due to the life limit changes are not necessary.</p> <p>This EAD has been corrected due to typographical errors within the tables of the Compliance Paragraph. Reference to High Pressure (HP) Turbine Stage 1 Rotor Disc Part No. BRH2013_ was corrected to read BRH20130. Reference to Engine Flight Mission B1-30 Tropical was corrected to read C1-30 Tropical.</p>	

	Further reference to RRD Non Modification Service Bulletin SB-BR700-72-A900444 was added within the Compliance Paragraph.																																																																				
Effective Date:	31 May 2007																																																																				
Compliance:	<p>Refer to RRD Non Modification Service Bulletin SB-BR700-72-A900444.</p> <p>No later than 30 days after the effective date of this EAD the following mandatory actions need to be completed for each individual BR715 HP Turbine Stage 1 Rotor Disc for both Part No. BRH20130 and Part No. BRH20131 and High Pressure (HP) Turbine Stage 2 Rotor Disc for both Part No. BRH19423 and Part No. BRH19427 installed in a BR700-715A1-30, B1-30 or C1-30 engine:</p> <p>A. Identify the mandatory decreased maximum approved life for the HP Turbine Stage 1 and Stage 2 Rotor Discs listed in the tables below:</p> <table><tr><th rowspan="2">High Pressure (HP) Turbine Stage 1 Rotor Disc</th><th colspan="6">Mandatory Decreased Maximum Approved Life</th></tr><tr><th colspan="3">Engine Thrust Rating</th><th colspan="3">Engine Flight Mission</th></tr><tr><th>Part No.</th><th>A1-30 Design</th><th>B1-30 Design</th><th>C1-30 Design</th><th>A1-30 Hawaiian</th><th>C1-30 Tropical</th><th>C1-30 derated Tropical</th></tr><tr><td>BRH20130</td><td>15971</td><td>13324</td><td>10500</td><td>17647</td><td>3794</td><td>7941</td></tr><tr><td>BRH20131</td><td>15971</td><td>13324</td><td>10500</td><td>17647</td><td>3794</td><td>7941</td></tr></table> <table><tr><th rowspan="2">High Pressure (HP) Turbine Stage 2 Rotor Disc</th><th colspan="6">Mandatory Decreased Maximum Approved Life</th></tr><tr><th colspan="3">Engine Thrust Rating</th><th colspan="3">Engine Flight Mission</th></tr><tr><th>Part No.</th><th>A1-30 Design</th><th>B1-30 Design</th><th>C1-30 Design</th><th>A1-30 Hawaiian</th><th>C1-30 Tropical</th><th>C1-30 derated Tropical</th></tr><tr><td>BRH19423</td><td>21165</td><td>17800</td><td>13372</td><td>21165</td><td>10893</td><td>13461</td></tr><tr><td>BRH19427</td><td>21165</td><td>17800</td><td>13372</td><td>21165</td><td>10893</td><td>13461</td></tr></table> <p><u>NOTE:</u> All lives given in the table above are in flight cycles.</p> <p>B. Record the mandatory maximum approved life in the applicable lifing documentation. It is mandatory to use the values given in the two tables in step A.</p> <p><u>NOTE:</u> The life limits are decreased by the same proportion for all flight missions, thus back to birth pro-rata calculations due to the life limit changes are not required.</p>	High Pressure (HP) Turbine Stage 1 Rotor Disc	Mandatory Decreased Maximum Approved Life						Engine Thrust Rating			Engine Flight Mission			Part No.	A1-30 Design	B1-30 Design	C1-30 Design	A1-30 Hawaiian	C1-30 Tropical	C1-30 derated Tropical	BRH20130	15971	13324	10500	17647	3794	7941	BRH20131	15971	13324	10500	17647	3794	7941	High Pressure (HP) Turbine Stage 2 Rotor Disc	Mandatory Decreased Maximum Approved Life						Engine Thrust Rating			Engine Flight Mission			Part No.	A1-30 Design	B1-30 Design	C1-30 Design	A1-30 Hawaiian	C1-30 Tropical	C1-30 derated Tropical	BRH19423	21165	17800	13372	21165	10893	13461	BRH19427	21165	17800	13372	21165	10893	13461
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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.eu4. For any questions concerning the technical content of the requirements in this EAD, please contact: E-mail: rrd.aog@rolls-royce.com																																																																				