


EASA	AIRWORTHINESS DIRECTIVE	
	AD No.: 2012-0266	
	Date: 18 December 2012	
<p>Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EC) No 216/2008 on behalf of the European Community, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation.</p>		
<p>This AD is issued in accordance with EU 748/2012, Part 21.A.3B. In accordance with EC 2042/2003 Annex I, Part M.A.301, the continuing airworthiness of an aircraft shall be ensured by accomplishing any applicable ADs. Consequently, no person may operate an aircraft to which an AD applies, except in accordance with the requirements of that AD, unless otherwise specified by the Agency [EC 2042/2003 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [EC 216/2008, Article 14(4) exemption].</p>		
Design Approval Holder's Name:	ROLLS-ROYCE plc	Type/Model designation(s): RB211-535 Engines
TCDS Numbers:	United Kingdom No.1044 and No.1049	
Foreign AD:	Not applicable	
Supersedure:	None	
ATA 72	Engine – Low Pressure Turbine Stage 2 Discs – Life Limits	
Manufacturer(s):	Rolls-Royce plc	
Applicability:	<p>RB211-535E4-37, RB211-535E4-B-37 and RB211-535E4-C-37 engines, all serial numbers. These engines are known to be installed on, but not limited to, Boeing 757 series aeroplanes.</p> <p>RB211-535E4-B-75 engines, all serial numbers. These engines are known to be installed on, but not limited to, Tupolev TU 204 series aeroplanes.</p>	
Reason:	<p>A recent re-evaluation of Critical Part lives carried out by Rolls-Royce revealed changes to the thermal profile and stresses in certain features of the low pressure turbine (LPT) Stage 2 disc. These changes have resulted in a reduction of the cyclic life of the LPT stage 2 discs.</p> <p>Operation of an engine equipped with a Critical Part that has exceeded its cyclic life may result in Critical Part failure, consequent release of high energy debris, damage to the aeroplane and/or injury to occupants.</p> <p>For the reason described above, this AD requires the implementation of new provisional life limits to the LPT stage 2 discs, as well as replacement of LPT stage 2 discs, depending on the new provisional life limits and other operational criteria.</p>	
Effective Date:	01 January 2013	

<p>Required Action(s) and Compliance Time(s):</p>	<p>Required as indicated, unless accomplished previously:</p> <ol style="list-style-type: none"> (1) Within 30 calendar days after the effective date of this AD, determine the accumulated cyclic life since new of each LPT Stage 2 disc and assign the appropriate life limit to each LPT Stage 2 disc in accordance with the instructions of Section 3 of Rolls-Royce Alert Non-Modification Service Bulletin (NMSB) RB.211-72-AH029. (2) Following accomplishment of the actions as specified by (1) above, replace each LPT Stage 2 disc with a serviceable part within the criteria as specified in, and in accordance with the instructions of, Section 3 of Rolls-Royce Alert NMSB RB.211-72-AH029.
<p>Ref. Publications:</p>	<p>Rolls-Royce Alert NMSB RB.211-72-AH029, initial issue, dated 13 December 2012.</p> <p>The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.</p>
<p>Remarks:</p>	<ol style="list-style-type: none"> 1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD. 2. Based on the required actions and the compliance time, EASA have decided to issue a Final AD with Request for Comments, postponing the public consultation process until after publication. 3. Enquiries regarding this AD should be referred to the Safety Information Section, Executive Directorate, EASA. E-mail: ADs@easa.europa.eu. 4. For any question concerning the technical content of the requirements in this AD, please contact your designated Rolls-Royce representative or download the publication from your Aeromanager account at www.aeromanager.com. <p>If you do not have a designated representative or Aeromanager account, please contact Corporate Communications at Rolls-Royce plc., PO Box 31, Derby, DE24 8BJ, The United Kingdom, telephone: +44 (0) 1332 242424, or send an e-mail through http://www.rolls-royce.com/contact/civil_team.jsp identifying the correspondence as being related to Airworthiness Directives.</p>