


EASA	AIRWORTHINESS DIRECTIVE	
	AD No.: 2015-0058	
	Date: 02 April 2015 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.	
This AD is issued in accordance with EU 748/2012, Part 21.A.3B. In accordance with EU 1321/2014 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 [EU 1321/2014 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [EC 216/2008, Article 14(4) exemption].		
Design Approval Holder's Name: ROLLS-ROYCE plc	Type/Model designation(s): RB211-535E4 engines	
TCDS Number:	EASA.E.061	
Foreign AD:	Not applicable	
Supersedure:	None	
ATA 72	Engine – Critical Parts – Identification / Replacement	
Manufacturer(s):	Rolls-Royce plc	
Applicability:	RB211-535E4-37, RB211-535E4-B-37 and RB211-535E4-C-37 engines, all serial numbers (s/n). These engines are known to be installed on, but not limited to, Boeing 757 series aeroplanes.	
Reason:	<p>A review of operational flight data has revealed that some RB211-535 engines may have been operated beyond the currently valid datum flight profile (FP) published in the applicable Aircraft Maintenance Manuals. The purpose of the datum FPs are to establish the operational limits (life limits) within which the corresponding critical parts are allowed to remain installed.</p> <p>To identify the location and current operators of the engines on which the affected parts are installed, Rolls-Royce published worldwide (WW) communication, reference WW/11174/2 dated 22 January 2015, which identifies certain parts, some of which are believed to have exceeded their respective safe cyclic life.</p> <p>This condition, if not corrected, may lead to critical part failure, possibly resulting in release of high energy debris, damage to the aeroplane and/or injury to the occupants.</p> <p>For the reasons described above, this AD requires identification and removal from service of the affected parts.</p> <p>This AD is considered to be an interim action, further AD action may follow.</p>	
Effective Date:	09 April 2015	

<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 days after the effective date of this AD, determine whether any part, identified by Part Number (P/N) and s/n in Appendix 1 of this AD, is installed on the engine. A review of engine maintenance records is acceptable to make this determination, provided those records are complete and can be relied upon for that purpose. (2) Within the compliance time specified in Appendix 1 of this AD, as applicable, replace the affected parts with serviceable parts (see paragraph (3) of this AD). This can be accomplished by using the instructions of the applicable Engine Manual. (3) For the purpose of this AD, and in addition to the applicable serviceability criteria, a serviceable part is a part having a P/N not listed in Appendix 1 of this AD; or a part having a P/N listed in Appendix 1 of this AD, but having a different s/n as those listed in Appendix 1 of this AD. (4) From the effective date of this AD, do not install a part identified in Appendix 1 of this AD on an engine, and do not install a replacement engine on an aeroplane, unless it has been determined that no part identified in Appendix 1 of this AD is installed on that engine.
<p>Ref. Publications:</p>	<p>Rolls Royce plc WW/11174/2, dated 22 January 2015.</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, Certification 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, P.O. Box 31, Derby, DE24 8BJ, United Kingdom. Telephone: +44 (0)1332 242424, or</p> <p>email from http://www.rolls-royce.com/contact/civil_team.jsp identifying the correspondence as being related to Airworthiness Directives.</p>

Appendix 1 – Critical Parts to be Removed From Service, installed on engines with serial number (ESN) as indicated below

Part Name	P/N	Part s/n	ESN	Compliance Time (FC or Calendar Days, whichever occurs first after the effective date of this AD)
HP Turbine Disc	UL27681	LDRCZ10710	30734	100 FC, or 45 days
LP Turbine 2 Disc	FW16689	SETM07779	31361	
HP Turbine Disc	UL27681	LDRCZ12147	30753	150 FC, or 67 days
LP Turbine 2 Disc	FW16689	SETM05499	30877	

SUPERSEDED