


EASA	EMERGENCY AIRWORTHINESS DIRECTIVE	
	<p>AD No.: 2013-0030-E</p> <p>Date: 13 February 2013</p> <p>Note: This Emergency 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>		
<p>Design Approval Holder's Name: ROLLS-ROYCE plc</p>		<p>Type/Model designation(s): RB211 Trent 700 engines</p>
TCDS Number:	EASA.E.042	
Foreign AD:	Not applicable	
Supersedure:	None	
ATA 72		
Engine – Air Guide Tube / Phonic Ring – Inspection		
Manufacturer(s):	Rolls-Royce plc	
Applicability:	<p>RB211 Trent 700 series engines, serial numbers 41073, 41134, 41206, 41170, 41065, 41128, 41242, 41244, 41224 and 41225.</p> <p>These engines are known to be installed on, but not limited to, Airbus A330 series aeroplanes.</p>	
Reason:	<p>During overhaul of a Trent 700 engine, it has been discovered that installation of an air guide tube had been omitted during the build of the engine, due to a mix of pre- and post-SB 72-D351 parts. The affected engine had a pre-SB 72-D351 low pressure turbine (LPT) installed and had inadvertently been fitted with a post-SB 72-D351 phonic ring. Further investigation on the maintenance records of other Trent 700 engines concluded that a limited number of engines may have been similarly re-assembled incorrectly following maintenance.</p> <p>This condition, if not detected and corrected, could lead to failure of the central oil tube and oil leakage into the LPT, possibly resulting in uncontained LPT failure and consequent damage to, and reduced control of, the aeroplane.</p> <p>For the reasons described above, this AD requires a one-time inspection to determine what standard of phonic ring is installed and, depending on findings, corrective action. Identification of a post-SB 72-D351 phonic ring Part Number (P/N) FW17273 confirms that the pre-SB 72-D351 air guide tube is not installed.</p>	
Effective Date:	13 February 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) Before next flight after the effective date of this AD, remove the LPT bearing housing end cover (refer to the applicable Aircraft Maintenance Manual, Task 72-55-41-000-801) and inspect the LPT phonic ring to determine whether the P/N is the pre-SB 72-D351 standard (P/N FK14556), or the post-SB 72-D351 standard (P/N FW17273). (2) If, during the inspection as required by paragraph (1) of this AD, a P/N FW17273 phonic ring is found to be installed, before next flight, contact Rolls-Royce for approved corrective instructions and accomplish those instructions accordingly. (3) From the effective date of this AD, do not install an affected engine (s/n as identified in the Applicability of this AD) on an aeroplane, unless it has been inspected and, depending on findings, corrected in accordance with the requirements of this AD.
<p>Ref. Publications:</p>	<p>Rolls-Royce NMSB RB.211-72-D351 Revision 1 dated 16 November 2004.</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. The results of the safety assessment have indicated the need for immediate publication and notification, without the full public consultation process. 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, or contact at Rolls-Royce plc. Corporate Communications, P.O. Box 31, Derby, DE24 8BJ, 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.