


<b>EASA</b>	<b>AIRWORTHINESS DIRECTIVE</b>
	<p><b>AD No.: 2008-0176</b></p> <p><b>Date: 18 September 2008</b></p> <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 EC 1702/2003, Part 21A.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><b>Type Approval Holder's Name :</b></p> <p>Rolls-Royce plc</p>	<p><b>Type/Model designation(s) :</b></p> <p>RB211-524 and -535 Series Engines</p>
<p>TCDS Number :     United Kingdom 1043, 1044, 1046, 1048 and 1049</p>	
<p>Foreign AD :         Not applicable</p>	
<p>Supersedure :        None</p>	
<b>ATA 72</b>	<b>Engine – High Pressure Turbine Disc – Inspection</b>
Manufacturer(s):	Rolls-Royce plc
Applicability:	<p>RB211-524, RB211-535C and RB211-535E4 series engines that have High Pressure (HP) Turbine Discs installed, identified by part and serial number in Rolls-Royce Alert Non-Modification Service Bulletin 72-AF996 Revision 1 dated 17 July 2008 (the SB).</p> <p>These engines are known to be installed on, but not limited to, Lockheed Martin L-1011 aircraft, Boeing 747, 757 and 767 series aircraft, and Tupolev Tu204 aircraft.</p>
Reason:	<p>Rolls-Royce has recently discovered that there may be cracks present in certain HP turbine discs, due to a possible error in an eddy current inspection technique carried out during maintenance. The affected part- and serial numbers are identified in Rolls-Royce Alert Non-Modification Service Bulletin 72-AF996 Revision 1 (the SB). This condition, if not corrected, may lead to disc failure and subsequent high-energy debris release.</p> <p>For the reason described above, this new EASA AD requires the removal from service of the affected HP turbine discs and inspection thereof, prior to reinstallation.</p>
Effective Date:	02 October 2008

<p>Required Action(s) and Compliance Time(s):</p>	<p>Required as indicated, unless previously accomplished:</p> <ol style="list-style-type: none"> <li>(1) After the effective date of this AD, within the applicable time period indicated in Section 1.C 'Compliance' of the SB, each HP turbine disc identified in the SB must be removed from the aircraft and replaced with a serviceable disc. Prior to reinstallation on an engine, inspect each HP turbine disc in accordance with the instructions of the SB.</li> <li>(2) HP turbine discs that do not pass the inspection as required by paragraph (1) of this AD shall not be reinstalled on an engine and must be returned to Rolls-Royce for further investigation.</li> <li>(3) After the effective date of this AD, no person shall install any HP turbine disc identified in the SB on any engine, unless it has been inspected in accordance with the instructions of the SB and has passed that inspection.</li> </ol>
<p>Ref. Publications:</p>	<p>Rolls-Royce Alert Non-Modification Service Bulletin 72-AF996 Revision 1 dated 17 July 2008.</p>
<p>Remarks :</p>	<ol style="list-style-type: none"> <li>1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.</li> <li>2. Required actions and the risk assessment have warranted the immediate adoption of this Final AD with request for comments.</li> <li>3. Enquiries regarding this AD should be referred to the Airworthiness Directives, Safety Management &amp; Research Section, Certification Directorate, EASA; E-mail <a href="mailto:ADs@easa.europa.eu">ADs@easa.europa.eu</a></li> <li>4. For any question concerning the technical content of the requirements in this AD, please contact: Rolls-Royce plc. PO Box 31, Derby, DE24 8BJ, United Kingdom; telephone +44 (0) 1332 242424; facsimile +44 (0) 1332 249936. Email: <a href="mailto:tech.help@rolls-royce.com">tech.help@rolls-royce.com</a> or download the publication from <a href="https://www.aeromanager.com">https://www.aeromanager.com</a></li> </ol>