


EASA	AIRWORTHINESS DIRECTIVE	
	<p style="text-align: center;">AD No : 2007-0086</p> <p style="text-align: center;">Date: 30 March 2007</p>	
<p>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.</p>		
<p>Type Approval Holder's Name : Rolls-Royce Deutschland Ltd & Co KG</p>	<p>Type/Model designation(s) : Tay 650-15, Tay 651-54</p>	
<p>TCDS Number: LBA 6328</p>		
<p>Foreign AD: Not applicable</p>		
<p>Supersedure: LBA AD D-2005-252R1 (EASA Approval No. 2005-6179]</p>		
<p>ATA 72</p>	<p>Engine - High Pressure Turbine - Reduction of Declared Safe Cyclic Lives</p>	
<p>Manufacturer(s):</p>	<p>Rolls-Royce plc</p>	
<p>Applicability:</p>	<p>All Tay 650-15 and Tay 651-54 engines with High Pressure Turbine Stage 1 Disc Part Number JR 32013 (pre SB TAY-72-1241 standard). These engines are known to be installed, but not limited to Fokker 100 and Boeing 727 aircraft.</p>	
<p>Reason:</p>	<p>The safe cyclic lives of the High Pressure Turbine Stage 1 Disc Part Number JR 32013 have been re-calculated. Exceeding the cyclic life limits could potentially result in non-contained disc failure.</p> <p>The Initial Issue and Revision 1 of Non-Modification Service Bulletin TAY-72-A1676 introduced a reduction to the cyclic life limits of the HP turbine stage 1 disc. The reduced cyclic life limits were applicable to both standards of the HP turbine stage 1 discs with the part number JR32013 (Vapour blasted HP turbine stage 1 disc of pre Service Bulletin TAY-72-1241 standard) and with the part number JR33838 (Shot peened HP turbine stage 1 disc of Service Bulletin TAY-72-1241 standard).</p> <p>The requirements of LBA AD D-2005-252R1 (EASA Approval No. 2005-6179] are retained for part number JR32013.</p> <p>Further analysis has shown that the cyclic life limits of the HP turbine stage 1 disc with the part number JR33838 can be restored to the</p>	

	<p>original cyclic life limits, before the Initial Issue and Revision 1 of this Non-Modification Service Bulletin.</p> <p>This Airworthiness Directive is therefore only applicable for the HP turbine stage 1 disc with the part number JR32013.</p>
Effective Date:	13 April 2007
Compliance:	<p>After the 31 August 2005 accomplish the following:</p> <ol style="list-style-type: none"> 1. For Tay 650-15 engines, with affected High Pressure Turbine Stage 1 Disc, that had been exposed to flight profiles that are different to the currently operated profile, the cyclic life consumption for the High Pressure Turbine Stage 1 Discs must be re-established as defined in Rolls-Royce Deutschland Alert Non-Modification Service Bulletin TAY-72-A1676 Revision 2, dated 23 March 2007. 2. For Tay 650-15 and Tay 651-54 engines replace affected High Pressure Turbine Stage 1 Discs at or before reaching the cyclic life limits as defined in Rolls-Royce Deutschland Alert Non-Modification Service Bulletin TAY-72A-1676 Revision 2, dated 23 March 2007.
Ref. Publications:	<p>Rolls-Royce Deutschland Alert Non-Modification Service Bulletin TAY-72-A1676 Revision 2, dated 23 March 2007</p> <p>Tay 650-15 Time Limits Manual T-TAY-3RR, chapter 05-10-01</p> <p>Tay 651-54 Time Limits Manual T-TAY-5RR, chapter 05-10-01</p>
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 (AMOCs) for this AD. 2. Required actions and the risk allowance have granted publication and notification of an immediate AD, ruling out the public consultation process. 3. Enquiries regarding this Airworthiness Directive should be referred to the AD Focal Point - 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: Rolls-Royce Deutschland Ltd & Co KG Service Engineering, Eschenweg 11, D-15827 Blankenfelde-Mahlow, Germany Telephone +49 (0) 1712310248; Facsimile +49 (0) 33 7086 3613, tech.help@rolls-royce.com