


EASA	AIRWORTHINESS DIRECTIVE CANCELLATION NOTICE	
	<p>AD No.: 2012-0137-CN</p> <p>Date: 08 February 2013</p> <p>Note: This Airworthiness Directive (AD) Cancellation Notice (CN) 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>	
Design Approval Holder's Name: ROLLS-ROYCE PLC		Type/Model designation(s): Trent 1000 engines
TCDS Number:	EASA.E.036	
Foreign AD:	Not applicable	
Cancellation:	This Notice cancels EASA AD 2012-0137R1 dated 10 August 2012.	
ATA 72	CANCELLED: Engine – Gearbox Assembly – Replacement	
Manufacturer(s):	Rolls-Royce plc	
Applicability:	<p>Trent 1000-A, 1000-C, 1000-D, 1000-E, 1000-G and 1000-H engines, all serial numbers.</p> <p>These engines are known to be installed on, but not limited to Boeing 787 aeroplanes.</p>	
Reason:	<p>Transfer gearbox (TGB) failures occurred during Trent 1000 engine testing. Engineering investigation determined that the crown wheel gear of the TGB had failed due to corrosion. The latter was the result of a change in a step of the manufacturing process. It was possible to identify a list of potentially affected external gearbox assemblies.</p> <p>This condition, if not corrected, could result in an engine in-flight shutdown, increasing the risk of an emergency landing, possibly resulting in damage to the aeroplane and injury to the occupants.</p> <p>To correct this potential unsafe condition, EASA issued Emergency AD 2012-0137-E (later revised as AD 2012-0137R1) to require replacement of each affected external gearbox assembly with a serviceable part.</p> <p>Since EASA AD 2012-0137R1 was issued, all the affected crown wheel gears manufactured from chemical-etch process have been retrieved, quarantined and subsequently scrapped. In addition, the manufacturing process has been revised to prevent further occurrences. Based on this information, EASA have determined that the unsafe condition, addressed by EASA AD 2012-0137R1, no longer exists and cannot develop on any engine.</p> <p>For the reasons described above, this Notice cancels EASA AD 2012-0137R1.</p>	
Effective Date:	08 February 2013	

Required Action(s) and Compliance Time(s):	None.
Ref. Publications:	Rolls-Royce Trent 1000 Alert NMSB 72-AH052 dated 27 July 2012.
Remarks:	<ol style="list-style-type: none">1. Enquiries regarding this AD-CN should be referred to the Safety Information Section, Executive Directorate, EASA. E-mail: ADs@easa.europa.eu.2. For any question concerning the technical content of this AD-CN, please contact your designated Rolls-Royce representative, or download the publication from your Aeromanager account at www.aeromanager.com, or contact 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.