EASA AD No.: 2014-0086R1

EASA	AIRWORTHINESS DIRECTIVE	
	AD No.: 2014-0086R1	
	Date: 16 May 2014	
	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 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].

Design Approval Holder's Name:		Type/Model designation(s):
ROLLS-ROYCE	pic	RB211 Trent 500 engines
TCDS Number:	E.060	
Foreign AD:	Not applicable	
Revision:	This AD revises EASA AD 20	014-0086 dated 11 April 2014.
ATA 73	Engine Fuel and Cont Modification / Replace	rol – Engine Electronic Controller – ement
Manufacturer(s):	Rolls-Royce plc (RR)	
Applicability:	RB211 Trent 553-61, 553, 560-61 and 560A2-61 eng	A2-61, 556-61, 556A2-61, 556B-61, 556B2-61, gines, all serial numbers.
	These engines are known series aeroplanes.	to be installed on, but not limited to, Airbus A340
Reason:	ground maintenance runn flutter Keep Out Zone (KC (IP) turbine overspeed eve	by RR has identified the risk of fan flutter during ing, which indicated the need to introduce a fan DZ). In addition, following Intermediate Pressure ents experienced on other Trent series engines, rotection against IP shaft failures in the event of an entified.
	of uncontained high energing in IP turbine overspeed, If uncontained high energy of	nultiple fan blade failures and consequent release gy debris. An unprotected IP shaft failure may resure turbine burst and, ultimately, release of debris. These conditions, if not corrected, could educed control of, the aeroplane.
		ally unsafe conditions, RR developed improved ler (EEC) software that provides a fan flutter KOZ ainst IP shaft failures.
	introduction of the improve	d above, EASA issued AD 2014-0086 to require ed EEC software, either by modification (software C, or replacement with an EEC that contains the

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	This AD is revised to allow installation of an unmodified engine or unmodified EEC unit on an aeroplane, provided the engine/EEC is modified before next flight after installation of the engine or EEC, as applicable.		
Effective Date:	Revision 1: 16 May 2014		
	Original issue: 18 April 2014		
Required Action(s) and Compliance Time(s):	Required as indicated, unless accomplished previously:		
	(1) Within 3 months or 200 flight cycles, whichever occurs first after 18 April 2014 [the effective date of the original issue of this AD], modify the engine by installing software standard L6.1.2 in the EEC, or by replacing the EEC with a unit that contains software standard L6.1.2, in accordance with the instructions of Section 3 of RR Service Bulletin (SB) RB.211-73-AH531.		
	(2) From the effective date of this AD, installation of a pre-mod 73-AH531 engine on an aeroplane, or a pre-mod 73-AH531 EEC on an installed engine, is allowed, provided that, within the compliance time of paragraph (1) or this AD, or before next flight of the aeroplane, whichever occurs later, the engine/EEC is modified in accordance with the instructions of Section 3 of RR SB RB.211-73-AH531.		
	(3) Installation on an engine or on an EEC of a later software standard, approved by EASA, or approved under RR DOA, is an acceptable method of compliance with the requirements of this AD.		
Ref. Publications:	RR SB RB.211-73-AH531 original issue, dated 15 January 2014, or Revision 1 dated 7 March 2014.		
	The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.		
Remarks:	If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.		
	 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, Executive Directorate, EASA. E-mail: ADs@easa.europa.eu .		
	 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. 		
	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		
	email from http://www.rolls-royce.com/contact/civil_team.jsp identifying the correspondence as being related to Airworthiness Directives .		