



United Kingdom Civil Aviation Authority

AIRWORTHINESS DIRECTIVE

AD No: G-2004-0025

Issue Date: 27 October 2004

This AD is issued by the UK CAA acting for and on behalf of the European Aviation Safety Agency as the Primary Aviation Authority (ICAO Annex 8 Authority of State of Design) for the affected product(s).

Approved by the European Aviation Safety Agency under approval number 2004-10605 on 20 October 2004.

In accordance with Article 9(7)(b) of the Air Navigation Order 2000 as amended the following action required by this Airworthiness Directive (AD) is mandatory for applicable aircraft registered in the United Kingdom.

No person may operate an aircraft to which an AD applies except in accordance with the requirements of that AD unless otherwise agreed with the Authority of the State of Registry.

Type Approval Holders Name:

ROLLS-ROYCE PLC

Type/Model Designation(s):

ROLLS-ROYCE RB211 TRENT 768-60, 772-60, 772B-60

Type Certificate Data Sheet No: 1050

Superseded/ Revised ADs: None

ATA 73 - FUEL AND CONTROL – EEC SOFTWARE – MODIFICATION

Manufacturer(s): Rolls-Royce plc

Applicability: Models RB211 Trent 768-60, 772-60, 772B-60 engines installed in Airbus A330 aeroplanes.

Reason: There have been six events of in-service of loss of engine parameters displayed in the aircraft cockpit, combined with a freezing of engine power setting for the affected engine. Subsequent investigation has established the cause to be a fault in the engine software. A safety assessment has identified that this could result in hazardous asymmetric thrust, if the event were to occur during a take-off roll and in response the crew attempted to abort the take-off. This Airworthiness Directive requires the introduction of revised engine software.

Effective Date: 1 November 2004

Compliance/Action: Prior to 31 July 2006 install an EEC incorporating software to A12.4, or later approved standard of engine control software, in accordance with Rolls-Royce Alert Service Bulletin RB211-73-AE324 (original or later issue).

Reference Publications: Rolls-Royce Alert Service Bulletin RB211-73-AE324 original or later issue may be obtained from Publication Services, Rolls-Royce plc, P O Box 31, Derby, DE24 8BJ, United Kingdom.

Remarks: Enquiries regarding this AD may be directed to Civil Aviation Authority, Safety Regulation Group, Propulsion Department, Aviation House, Gatwick Airport South, West Sussex, RH6 0YR, United Kingdom. Phone: +44 (0) 1293 573199 Fax: +44 (0) 1293 573979 E-mail: tony.boud@srg.caa.co.uk.