



United Kingdom Civil Aviation Authority

AIRWORTHINESS DIRECTIVE

AD No: G-2003-0001

Issue Date: 15 July 2003

This AD is issued by the UK CAA as the Primary Aviation Authority (ICAO Annex 8 Authority of State of Design) for the affected product(s).

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):

RB211 TRENT 556-61

Type Certificate Data Sheet No: 1056

ATA 73 - ENGINE FUEL CONTROL - FUEL FLOW METER – INSPECTION

Manufacturer(s): Rolls-Royce plc

Applicability: Model RB211 Trent 556-61 engines installed on Airbus A340 aircraft – all engines prior to serial number 71125 except for those serial numbers listed in Rolls-Royce Alert Service Bulletin RB.211-73-AE200 dated 11 July 2003.

Reason: Fuel was observed to be running from the engine fan cowl doors during aircraft taxi in. Subsequent investigation identified the source of the fuel leak to be permanent distortion of the face of the fuel tube connecting flanges at the fuel flow meter. The distortion of the flange is not aggravated by service use but exposure to fuel pressures extrudes the seal through the gap between the flanges, leading to a fuel leak, which could rapidly increase in flight.

Effective Date: 18 July 2003

Compliance/Action: Required within 2 months after the effective date of this Directive, inspect the space between the seal and the HP fuel tube adaptor face on each side of the fuel flow transmitter in accordance with the accomplishment instructions specified in Rolls-Royce Alert Service Bulletin RB.211-73-AE200 dated 11 July 2003 or later CAA approved revision.

Reference Publications: Rolls-Royce Alert Service Bulletin RB.211-73-AE200 may be obtained from Rolls-Royce plc, Technical Publications, PO Box 31, Derby, DE24 8BJ, United Kingdom. Phone: +44 (0)1332 242424, Fax: +44 (0)1332 249936.

Remarks: Enquiries regarding this Directive should be directed to the Civil Aviation Authority, Propulsion Department, Safety Regulation Group, Aviation House, Gatwick Airport South, West Sussex, RH6 0YR, United Kingdom. Phone: +44 (0)1293 573641 Fax: +44 (0) 1293 573979. For questions regarding the technical content of this Directive contact Rolls-Royce plc at the address shown above.

Note: This Directive was issued as an Emergency AD on 15 July 2003.