



United Kingdom Civil Aviation Authority

AIRWORTHINESS DIRECTIVE

AD No: G-2003-0006

Issue Date: 25 November 2003

This AD is issued by the UK CAA as the Primary Airworthiness 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:

Type/Model Designation(s):

ROLLS-ROYCE plc

RB211-22B

CORRECTION to AD No G-2003-0006 dated 18 September 2003

Type Certificate Data Sheet No: 1039

ATA 72 - ENGINE – GROUP A (CRITICAL) PARTS – FOCUSED INSPECTIONS

Manufacturer(s): Rolls-Royce plc

Applicability: Model RB211-22B Series engines installed on, but not limited to, Lockheed L-1011 aeroplanes certificated in any category.

Reason: To prevent Group A (Critical) rotating engine part failure, which could result in an uncontained engine failure and damage to the aeroplane.

This correction has been issued to clarify that compliance action should only be carried out at an appropriate level of engine workshop visit, and to ensure common text with the Time Limits Manual reference.

Effective Date: 26 September 2003

Compliance/Action:

A Within 40 days from the effective date of this Directive, at each engine workshop visit inspect the Group A components listed in Table 1 of the Directive when these components are disassembled to piece-part level. This shall be carried out in accordance with the disassembly procedures contained in the Engine Manual and referenced in Time Limits Manual 05-20-01, dated 1 July 2002.

The inspections to be carried out on these Group A components are those referred to as, "Focus Inspect" in the relevant Engine Manual inspection task, and are applicable when the following conditions are satisfied:

(1) The component has been completely disassembled to piece-part level in accordance with the appropriate disassembly procedures contained in the Engine Manual,
and

The part has accumulated in excess of 100 flight cycles in service since the last piece-part inspection,

or

(2) The component removal was for damage or a cause directly related to its removal,

or

(3) Where serviceable used components, for which the inspection history is not fully known, are being returned to service.

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The list of Group A Parts is specified below:

Part Nomenclature	Part No.	Engine Manual Inspection Task
Low Pressure Compressor Rotor Disc	All	72-31-12-200-006
Low Pressure Compressor Rotor Shaft	All	72-31-20-200-000
Intermediate Pressure Compressor Rotor Shaft Stages 1 to 5	All	72-32-31-200-000
Intermediate Pressure Compressor Rotor Shaft Stages 6 to 7	All	72-32-31-200-001
Intermediate Pressure Compressor Rotor Rear Stubshaft	All	72-33-21-200-000
High Pressure Compressor Rotor Stage 1 to 2 Disc Shaft	All	72-41-31-200-000
High Pressure Compressor Rotor Stage 3 Disc	All	72-41-31-200-001
High Pressure Compressor Rear Rotor Shaft Assembly	All	72-41-31-200-002
Compressor/Turbine Joint Flange Support Disc	All	72-41-31-200-003
High Pressure Turbine Disc	All	72-41-51-200-000
Intermediate Pressure Turbine Disc	All	72-51-31-200-000
Intermediate Pressure Turbine Shaft	All	72-51-33-200-000
Low Pressure Stage 1 Turbine Disc	All	72-51-61-200-000
Low Pressure Stage 2 Turbine Disc	All	72-51-61-200-001
Low Pressure Stage 3 Turbine Disc	All	72-51-61-200-002
Low Pressure Turbine Shaft	All	72-51-63-200-000

Table 1

- B** Unless already accomplished, operators must amend their Approved Maintenance Programmes to reflect the inspection requirements stated above.
- C** Operators must maintain records of the Mandatory inspections arising from this Directive, as they are accomplished throughout the life of each Group A component.

Reference Publications: Rolls-Royce RB211–22B series Time Limits Manual Reference 05-20-01, dated 1 July 2002 or later CAA approved revision. Copies 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 Airworthiness Directive should be directed to the Civil Aviation Authority, Safety Regulation Group, Propulsion Department, Aviation House, Gatwick Airport South, West Sussex, RH6 0YR. Phone: +44 (0) 1293 573856 Fax: +44 (0) 1293 573979 E-mail: pete.woollacott@srg.caa.co.uk.