



United Kingdom Civil Aviation Authority

AIRWORTHINESS DIRECTIVE

AD No: G-2005-0009

Issue Date: 9 March 2005

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 2005-2100 on 3 March 2005.

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:

BRITISH AEROSPACE (OPERATIONS) LTD

Type/Model Designation(s):

AVRO 146-RJ

Type Certificate Data Sheet No: BA16

Superseded/ Revised ADs: None

ATA 53 - FUSELAGE- CENTRE FUSELAGE SKIN - INSPECTION

Manufacturer(s): British Aerospace Regional Aircraft Ltd, British Aerospace (Operations) Ltd, BAE Systems (Operations) Ltd, British Aerospace (Commercial Aircraft) Ltd, British Aerospace Regional Aircraft Avro International Aerospace.

Applicability: Model AVRO 146-RJ all Series aeroplanes.

Reason: The manufacturer has determined that in order to assure the continued structural integrity of the fuselage skin adjacent to the rib 0 longeron between frames 29 to 31 of the AVRO 146-RJ aircraft a revised inspection programme for this area is considered necessary. Cracking if undetected could lead to catastrophic structural failure. This AD mandates revised inspection tasks and periods, and provides acceptable grace periods for aircraft that are approaching, or have exceeded the new inspection thresholds.

Effective Date: 29 April 2005

Compliance/Action:

- a) Within 30 days from the effective date of this AD, establish from the aircraft's technical records whether the aircraft has previously been inspected in accordance with British Aerospace (Operations) Ltd Avro 146-RJ Maintenance Review Board Report (MRBR) Issue 10 Task SSI 53-20-138 (Maintenance Planning Document Task References 532038DVI-DVI-10000-1 and 532038-DVI-10000-2).
- b) If the inspection has not been previously accomplished, perform a Detailed Visual Inspection of the external fuselage skin adjacent to the longeron at rib 0 from frame 29 to frame 31 in accordance with British Systems (Operations) Service Bulletin ISB 53-177, initial issue or later EASA approved revision at the intervals stated below:
 - i) For aircraft that have accumulated less than 22,000 flight cycles, perform the inspection prior to the accumulation of 22,000 flight cycles or within six months of the effective date of this AD whichever occurs later.
 - ii) For aircraft that have exceeded 22,000 flight cycles perform the inspection prior to accumulation of 24,000 flight cycles or within six months of the effective date of this AD whichever occurs sooner.

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- c) Following accomplishment of the initial inspection in accordance with MRBR Task SSI 53-20-138 or Paragraph B of this AD, perform all repeat inspections at the interval specified in British Systems (Operations) BAe146 MRBR issue 10 or later EASA approved revision.

Note: This AD supersedes the requirements of AD 008-04-83 Revision 1 for the initial accomplishment of MRBR Task SSI 53-20-138 only, all other limitations continue to apply.

Reference Publications: BAE Systems (Operations) Service Bulletin ISB 53-177 may be obtained from Project Management Group, Customer Information Department, BAE Systems (Operations) Ltd, Prestwick International Airport, Ayrshire, KA9 2RW, Scotland. Phone: +44 (0) 1292 675207 Fax: +44 (0) 1292 675704 E-mail: Rapublications@baesystems.com

Remarks: Enquiries regarding this Directive should be referred to Structures and Materials Department, Civil Aviation Authority, Safety Regulation Group, Aviation House, Gatwick Airport South, West Sussex, RH6 0YR, United Kingdom. Phone: +44 (0) 1293 573315 Fax: +44 (0) 1293 573855 E-mail: Department.Certification@srg.caa.co.uk

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