



United Kingdom Civil Aviation Authority

AIRWORTHINESS DIRECTIVE

AD No: G-2005-0017

Issue Date: 6 July 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 2005-6050 on 6 July 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:

Type/Model Designation(s):

BAE SYSTEMS (OPERATIONS) LIMITED

BAE 146 AND AVRO 146-RJ

Type Certificate Data Sheet No: BA16

Superseded/ Revised ADs: None

ATA 52 – MLG DOOR HINGES – INSPECTION/RECTIFICATION

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

Applicability: All Models BAe 146 and AVRO RJ series aeroplanes that have not been modified in accordance with BAe Systems Operations modification HCM01689A Inspection Service Bulletin 52-113 rev 1.

Reason: The Type Certificate Holder has received a number of recent in-service reports of Main Landing Gear door hinge bracket failures caused by stress corrosion of the bearing housing, accelerated by the subsequent expansion of the existing corrosion products. Hinge failure could result in door separation and represents a threat to the undercarriage systems and/or to those on the ground.

Effective Date: 29 July 2005

Compliance/Action: Within 12 months of the effective date of this AD, or prior to achieving 16 years from the date of construction, whichever is the later, for aircraft manufactured before the 1st March 1991, or within 2 years of the effective date of this AD for aircraft manufactured after 28th February 1991. Inspect the left and right main landing gear door hinge bracket assemblies in accordance with Paragraph 2C of BAE Systems (Operations) Service Bulletin 52-113 rev.1 or later EASA approved revision. Rectification where necessary must be performed in accordance with Paragraph 2D of BAE Systems (Operations) Service Bulletin 52-113 rev.1 or later EASA approved revision prior to further flight.

Reference Publications: BAE Systems (Operations) Service Bulletin ISB 52-113 may be obtained from Project Management Group, Customer Information Department, BAE Systems (Operations) Ltd, Prestwick International Airport, Ayrshire, KA9 2RW, Scotland. Telephone: +44 (0) 1292 675207 Fax: +44 (0) 1292 675704 E-mail: RApublications@baesystems.com

Remarks: Enquiries regarding this Directive should be referred to Certification and Approvals Department, Civil Aviation Authority, Safety Regulation Group, Aviation House, Gatwick Airport South, West Sussex, RH6 0YR, United Kingdom. Telephone: +44 (0) 1293 573315 Facsimile: +44 (0) 1293 573976 E-mail: Department.Certification@srg.caa.co.uk