



United Kingdom Civil Aviation Authority

AIRWORTHINESS DIRECTIVE

AD No: G-2006-0003

Issue Date: 2 February 2006

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 2006-0039 on 31 January 2006.

In accordance with Article 10 of the Air Navigation Order 2005 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:

BAE SYSTEMS (OPERATIONS) LIMITED

Type/Model Designation(s):

**HP 137 JETSTREAM MK 1, JETSTREAM
SERIES 200, 3100 AND 3200**

Type Certificate Data Sheet No: BA4 & BA15

Superseded AD: 006-02-2003

ATA 57 – WING - INSPECTION OF BOLTS AT WING STUB SPIGOT POST ASSEMBLY AT FRAME 199

Manufacturer(s): Handley Page Ltd, Scottish Aviation Ltd, British Aerospace PLC, British Aerospace (Commercial Aircraft) Ltd, British Aerospace Regional Aircraft Ltd, Jetstream Aircraft Ltd, British Aerospace (Operations) Ltd.

Applicability: All Models Jetstream HP137 Mark 1 and Jetstream Series 200, 3100 and 3200 aeroplanes.

Reason: In-service reports have been received by BAE of failed bolts fitted to frame 199 wing spigot post assembly. If left uncorrected failure of these bolts will severely compromise the structural integrity of the wing to fuselage attachment. Failure of which would lead to loss of the aircraft. To address these concerns, BAE issued SB 57-JA020740 original issue in February 2003 mandated by CAA AD 006-02-2003. Recently received additional information has caused BAE to raise the Service Bulletin to revision 2. Revision 2 of the SB introduces various changes. One is substantive, it relates to the need to check for correct washer installation. Incorrect installation could lead to fretting and fatigue crack initiation in the fitting followed by failure or bending loads in the bolt leading to failure of the affected bolts. If left uncorrected failure of these bolts or a wing fitting will severely compromise the structural integrity of the wing to fuselage attachment. Failure of which would lead to loss of the aircraft. This substantive change to the service bulletin necessitates the raising of this superseding AD.

Effective Date: 28 February 2006

Compliance/Action: Required from the effective date of this AD, comply with the requirements given in BAE Jetstream Series 3100 and 3200 Service Bulletin 57-JA020740 Wing – Inspection of bolts at wing stub spigot post assembly at frame 199 Revision 2 or later approved revisions.

Reference Publications: BAE SYSTEMS (Operations) Limited Service Bulletins may be obtained from Project Management Group, Customer Information Department, BAE SYSTEMS (Operations) Limited, Prestwick International Airport, Ayrshire, KA9 2RW, Scotland. Telephone: +44 (0) 1292 675207 Facsimile: +44 (0) 1292 675704 E-mail: RApublications@baesystems.com

Remarks: Enquiries regarding this Airworthiness Directive may be directed to Civil Aviation Authority, Safety Regulation Group, AD Unit, Strategy & Standards Department, Aviation House, Gatwick, Airport South, West Sussex, RH6 0YR, United Kingdom. Telephone: +44 (0) 1293 573802 Facsimile: +44 (0) 1293 573993 E-mail: ad.unit@srg.caa.co.uk