



**United Kingdom  
Civil Aviation Authority**

**AIRWORTHINESS  
DIRECTIVE**

**AD No: G-2005-0010**

Issue Date: 18 April 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 2005-3460 on 15 April 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:

**BAE SYSTEMS (OPERATIONS) LIMITED**

Type Certificate Data Sheet No: BA4 and BA15

Superseded/ Revised ADs: None

Type/Model Designation(s):

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

**ATA 32 – MAIN LANDING GEAR RADIUS ROD – INSPECTION OF CYLINDER FOR CRACKING**

**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:** Models HP 137 Jetstream Mk 1, Jetstream Series 200, 3100 and 3200 aeroplanes with radius rod cylinders part numbers 1847/A to 1847/L and 1862/A to 1862/L without strike-off 12.

**Reason:** There have been two reported cases of landing gear radius rod cylinders suffering cracks starting in the retract fluid connection bore. Such cracks can result in loss of the normal hydraulic system and may lead to a landing gear collapse. Main landing gear collapse is considered as potentially hazardous/catastrophic. The published method for inspecting the cylinders during overhaul is not considered to be appropriate for finding cracks in this particular area. This AD mandates additional inspections considered necessary to address the identified unsafe condition.

**Effective Date:** 29 April 2005

**Compliance/Action:** Required from the effective date of this AD, perform the inspections at the thresholds and intervals specified in BAE Systems Ltd Jetstream Series 3100 and 3200 Service Bulletin 32-JA040945 original issue or later EASA approved revision.

**Reference Publications:** BAE SYSTEMS (Operations) Limited Service Bulletin 32-JA040945 Original Issue 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 Directive should be referred to Certification and Approvals Department, Civil Aviation Authority, Structures and Materials Department, Safety Regulation Group, Aviation House, Gatwick Airport South, West Sussex, RH6 0YR, United Kingdom. Telephone: +44 (0) 1293 573530 Facsimile: +44 (0) 1293 573855 E-mail: Department.Certification@srg.caa.co.uk.