

<b>EASA</b>	<b>AIRWORTHINESS DIRECTIVE</b>
	<p style="text-align: center;"><b>AD No : 2007-0087</b></p> <p style="text-align: center;"><b>Date: 30 March 2007</b></p>
No person may operate an aircraft to which an Airworthiness Directive applies, except in accordance with the requirements of that Airworthiness Directive unless otherwise agreed with the Authority of the State of Registry.	
<p><b>Type Approval Holder's Name:</b></p> <p>BAE SYSTEMS (OPERATIONS) LTD</p>	<p><b>Type/Model designation(s):</b></p> <p>HP 137 Jetstream MK 1, Jetstream Series 200, 3100 and 3200</p>
TCDS Number: UK BA4 and BA15	
Foreign AD: Not applicable	
Supersedure: Not applicable	
<b>ATA 32</b>	<b>Landing Gear – Main Landing Gear (MLG) Radius Rod – Inspection / Replacement</b>
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 Mk1, Jetstream Series 200, 3100 and 3200 aeroplanes, all models (variants), all serial numbers, if MLG radius rod cylinders with part number (P/N) 1847/A to 1847/L and 1862/A to 1862/L without strike-off 12 or 13 are installed.
Reason:	<p>There has been a report of landing gear radius rods suffering cracks starting in the flashline near the microswitch boss. 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. This AD mandates additional inspections considered necessary to address the identified unsafe condition.</p> <p>Note: The cause of this cracking is not related to previous cracking of the radius rod cylinder addressed by BAE Systems SB 32-JA040945 (CAA AD G-2005-0010), however, the consequences of a failure are the same.</p>
Effective Date:	13 April 2007

Compliance:	<p>Required as indicated, unless accomplished previously:</p> <ol style="list-style-type: none"> <li>(1) Within the next 3 months after the effective date of this directive, inspect the Main Landing Gear Radius Rod Forged Cylinder Flashline in accordance with the accomplishment instructions of BAE Systems (Operations) Ltd Service Bulletin 32-JA060741 Original Issue or later approved revisions;</li> <li>(2) If cracks are found, before next flight, replace the radius rod assembly with a serviceable unit;</li> <li>(3) Thereafter, at intervals not to exceed 12 months, repeat the inspection as required by paragraph (1) of this directive;</li> <li>(4) During each radius rod overhaul, accomplish APPH Service Bulletin 1847-32-12 or 1862-32-12, as applicable, or perform a fluorescent dye penetrant inspection of the cylinder counterbore in accordance with APPH Component Maintenance Manual (CMM) 32-10-16 at Revision 11 or higher.</li> </ol> <p><b>Note 1:</b> Replacement of the affected radius rod assembly by installing a P/N 1847/A to 1847/L with strike-off 12 or 13, or 1847/M or later, and P/N 1862/A to 1862/L with strike-off 12 or 13, or 1862/M or later, constitutes terminating action for the repetitive inspection requirements of this directive.</p> <p><b>Note 2:</b> After 13 July 2007, no person may install a spare radius rod assembly on an aircraft unless it has been inspected in accordance with the requirements of this directive.</p>
Ref. Publications:	BAE SYSTEMS (Operations) Limited Service Bulletin 32-JA060741 Original Issue or later approved revisions.
Remarks:	<ol style="list-style-type: none"> <li>1. If requested and appropriately substantiated the responsible EASA manager for the related product has the authority to accept Alternative Methods of Compliance (AMOC) for this AD.</li> <li>2. This AD was posted on 06 March 2007 as PAD 07-024 for consultation until 27 March 2007. No comments were received during the consultation period.</li> <li>3. Enquiries regarding this AD should be referred to the AD Focal Point – Certification Directorate, EASA, E-mail: <a href="mailto:ADs@easa.europa.eu">ADs@easa.europa.eu</a></li> <li>4. For any questions concerning the technical content of the requirements in this AD, please contact Project Management Group, Customer Information Department, BAE SYSTEMS (OPERATIONS), Prestwick International Airport, Ayrshire, KA9 2RW, Scotland. Ph: +44 1292 675207, Fax: +44 1292 675704, E-mail: <a href="mailto:Rpublications@baesystems.com">Rpublications@baesystems.com</a></li> </ol>