


EASA	NOTIFICATION OF A PROPOSAL TO ISSUE AN AIRWORTHINESS DIRECTIVE	
	PAD No.: 12-118 Date: 12 September 2012 Note: This Proposed Airworthiness Directive (PAD) is issued by EASA, acting in accordance with Regulation (EC) No 216/2008 on behalf of the European Community, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation.	
	In accordance with the EASA Continuing Airworthiness Procedures, the Executive Director is proposing the issuance of an EASA Airworthiness Directive (AD), applicable to the aeronautical product(s) identified below. All interested persons may send their comments, referencing the PAD Number above, to the e-mail address specified in the 'Remarks' section, prior to the consultation closing date indicated.	
Design Approval Holder's Name: BAE SYSTEMS (OPERATIONS) LTD		Type/Model designation(s): HP 137 Jetstream MK1, Jetstream Series 200, 3100 and 3200 aeroplanes
TCDS Number: UK CAA BA4 and EASA.A.191		
Foreign AD: Not applicable		
Supersedure: This AD supersedes EASA AD 2006-0343 dated 09 November 2006.		
ATA 32	Landing Gear - Main Landing Gear Radius Rod / Cylinder - Inspection	
Manufacturer(s):	Handley Page Ltd, Scottish Aviation Limited, British Aerospace plc, British Aerospace Regional Aircraft Ltd, British Aerospace (Commercial Aircraft) Ltd., British Aerospace Regional Aircraft Ltd., Jetstream Aircraft Ltd., British Aerospace (Operations) Ltd.	
Applicability:	HP 137 Jetstream MK1 and Jetstream Series 200, 3100 and 3200 aeroplanes, all serial numbers.	
Reason:	<p>Cases of landing gear radius rod cylinder cracking starting in the retraction fluid connection bore were reported on certain Jetstream aeroplanes.</p> <p>This condition, if not detected and corrected, could lead to loss of the normal hydraulic system and consequent landing gear collapse, possibly resulting in damage to the aeroplane and injury to occupants..</p> <p>To address this potential unsafe condition, UK CAA issued AD G 2005-0010 to require repetitive rotary eddy current inspections of affected cylinders with Part Numbers (P/N) 1847/A to 1847/L and 1862/A to 1862L without strike-off 12 in accordance with the BAE Systems (Operations) Ltd Service Bulletin (SB) 32-JA040945 at the original issue.</p> <p>After that AD was issued, another radius rod crack was detected on a cylinder which was not affected by the applicability of that AD. Prompted by that finding, BAE Systems issued SB32-JA040945 revision 1 and EASA issued AD 2006-0343 to extend the inspection to apply to all radius rod P/N. However, the applicability of that AD incorrectly referred to a limited range of radius rod P/N, despite the fact that the Reason section of EASA AD 2006-0343 correctly explained that the AD was superseding UK CAA AD G-2005-0010 because of</p>	

	<p>the expanded applicability to all radius rod part numbers.</p> <p>For the reasons described above, this AD retains the requirements of EASA AD 2006-0343, which is superseded, extends the inspection requirement of cylinders for cracking to all radius rod cylinder part numbers and, depending on finding, requires the replacement of radius rod assembly with a serviceable part.</p>
Effective Date:	[TBD: 14 days after final AD issue date]
Required Action(s) and Compliance Time(s):	<p>Required as indicated, unless accomplished previously:</p> <ol style="list-style-type: none"> (1) After the effective date of this AD, within the thresholds and intervals specified in, and in accordance with the instructions of, BAE Systems (Operations) Ltd SB 32-JA040945 at revision 1, inspect the main landing gear left hand and right hand radius rod cylinders. <p>Note: Inspections accomplished prior to the effective date of this AD in accordance with EASA AD 2006-0343 are acceptable to comply with the requirements of this AD.</p> <ol style="list-style-type: none"> (2) If, during any inspection as required by paragraph (1) of this AD, evidence of cracking is identified, before next flight, replace the radius rod assembly in accordance with the instructions of BAE Systems (Operations) Ltd SB 32-JA040945 revision 1. (3) Replacement of a radius rod assembly on an aeroplane, as required by paragraph (2) of this AD, does not constitute terminating action for the inspections required by this AD for that aeroplane. (4) From the effective date of this AD, do not install a radius rod assembly on any aeroplane, unless the radius rod assembly is new, or it has passed, prior to installation, the inspection in accordance with BAE Systems (Operations) Ltd SB 32-JA040945 at revision 1.
Ref. Publications:	<p>BAE Systems (Operations) Ltd SB 32-JA040945 revision 1 dated 20 April 2006.</p> <p>The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.</p>
Remarks:	<ol style="list-style-type: none"> 1. This Proposed AD will be closed for consultation on 10 October 2012. 2. Enquiries regarding this PAD should be referred to the Safety Information Section, Executive Directorate, EASA. E-mail: ADs@easa.europa.eu. 3. For any question concerning the technical content of the requirements in this PAD, please contact: <p>BAE SYSTEMS (OPERATIONS) Ltd, Customer Information Department, Prestwick International Airport, Ayrshire, KA9 2RW, Scotland. Ph: +44 1292 675207, Fax: +44 1292 675704, E-mail: RApublications@baesystems.com.</p>