


<b>EASA</b>	<b>AIRWORTHINESS DIRECTIVE</b>	
	<p><b>AD No.: 2010-0162</b></p> <p><b>Date: 04 August 2010</b></p> <p>Note: This Airworthiness Directive (AD) 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.</p>	
<p>This AD is issued in accordance with EC 1702/2003, Part 21A.3B. In accordance with EC 2042/2003 Annex I, Part M.A.301, the continuing airworthiness of an aircraft shall be ensured by accomplishing any applicable ADs. Consequently, no person may operate an aircraft to which an AD applies, except in accordance with the requirements of that AD, unless otherwise specified by the Agency [EC 2042/2003 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [EC 216/2008, Article 14(4) exemption].</p>		
<b>Type Approval Holder's Name:</b>		<b>Type/Model designation(s):</b>
BAE SYSTEMS (OPERATIONS) LTD		Jetstream 3100 and 3200 aeroplanes
TCDS Number:	EASA.A.191	
Foreign AD:	Not applicable	
Supersedure:	None	
<b>ATA 05</b>	<b>Time Limits and Maintenance Checks – Main Landing Gear Radius Rod Mounting Shaft Assembly – Safe Life Limit / Replacement</b>	
Manufacturer(s):	British Aerospace PLC, British Aerospace (Commercial Aircraft) Ltd, British Aerospace Regional Aircraft Ltd, Jetstream Aircraft Ltd and British Aerospace (Operations) Ltd.	
Applicability:	Jetstream Series 3100 and 3200 aeroplanes, all models, all serial numbers.	
Reason:	<p>As a result of the fatigue-testing programme on the Jetstream fatigue test specimen, it has been identified that failure of the undercarriage jack mounting shaft assembly can occur.</p> <p>This condition, if not corrected, could lead to a Main Landing Gear (MLG) collapse on the ground or during landing and consequently damage to the aeroplane or injury to the occupants.</p> <p>BAE SYSTEMS have now defined safe life limits for these components.</p> <p>For the reasons described above, this AD requires the application of safe life limits to these components.</p>	
Effective Date:	18 August 2010	

<p>Required action(s) and Compliance Time(s):</p>	<p>Required as indicated, unless accomplished previously:</p> <p>(1) Within 30 days after the effective date of this AD, establish the number of flight cycles (FC) accumulated since installation of each left and right main landing gear radius rod mounting shaft assemblies in accordance with paragraph 2.(A) of BAE Systems (Operations) Ltd Service Bulletin 05-JA090143.</p> <p>(2) According to the aeroplane type and within the time period indicated in Table 1 of this AD, as applicable, replace each main landing gear radius rod mounting shaft assembly with a serviceable assembly in accordance with BAE Systems (Operations) Ltd Service Bulletin 32-JA990142.</p> <table border="1" data-bbox="491 645 1439 1178"> <thead> <tr> <th data-bbox="496 651 810 801">Aeroplane</th> <th data-bbox="815 651 1129 801">FC accumulated by each assembly (left or right), on the effective date of this AD</th> <th data-bbox="1134 651 1439 801">Compliance time for replacement</th> </tr> </thead> <tbody> <tr> <td data-bbox="496 808 810 987" rowspan="2">Jetstream Series 3100</td> <td data-bbox="815 808 1129 891">37 220 FC or more</td> <td data-bbox="1134 808 1439 891">1 000 FC after the effective date of this AD</td> </tr> <tr> <td data-bbox="815 898 1129 987">Less than 37 220 FC</td> <td data-bbox="1134 898 1439 987">Before the assembly accumulates 38 220 FC</td> </tr> <tr> <td data-bbox="496 994 810 1173" rowspan="2">Jetstream Series 3200</td> <td data-bbox="815 994 1129 1077">30 038 FC or more</td> <td data-bbox="1134 994 1439 1077">1 000 FC after the effective date of this AD</td> </tr> <tr> <td data-bbox="815 1084 1129 1173">Less than 30 038 FC</td> <td data-bbox="1134 1084 1439 1173">Before the assembly accumulates 31 038 FC</td> </tr> </tbody> </table> <p style="text-align: center;"><u>Table 1</u></p> <p><b>Note:</b></p> <p>In the paragraph 2.(B) of BAE Systems (Operations) Ltd Service Bulletin 05-JA090143, it is stated the following “If the cycles accumulated are greater than the safe life limit for the main gear radius rod mounting shaft assembly, then the assembly must be discarded and replaced with a new shaft assembly.” This statement may be ignored as the “grace” period of 1 000 FC applies for assemblies which have exceeded the declared safe lives.</p> <p>(3) After the replacement of a main landing gear radius rod mounting shaft assembly as required by paragraph (1) of this AD and according to the aeroplane type, replace each assembly with a serviceable assembly at intervals not to exceed the following FC accumulation limits :</p> <ul style="list-style-type: none"> <li>- 38 220 FC for Jetstream 3100 series aeroplane, and</li> <li>- 31 038 FC for Jetstream 3200 series aeroplane.</li> </ul> <p>(4) Compliance with the requirements of paragraph (3) of this AD can be demonstrated by:</p> <p>(4.1) Revising as follows the approved aircraft maintenance programme for which the Operator or the Owner ensures the continuing airworthiness of each operated aeroplane:</p> <p style="text-align: center;">Incorporate the limitations defined in table 1 (paragraph 2.(B)) of</p>	Aeroplane	FC accumulated by each assembly (left or right), on the effective date of this AD	Compliance time for replacement	Jetstream Series 3100	37 220 FC or more	1 000 FC after the effective date of this AD	Less than 37 220 FC	Before the assembly accumulates 38 220 FC	Jetstream Series 3200	30 038 FC or more	1 000 FC after the effective date of this AD	Less than 30 038 FC	Before the assembly accumulates 31 038 FC
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	Less than 37 220 FC	Before the assembly accumulates 38 220 FC												
Jetstream Series 3200	30 038 FC or more	1 000 FC after the effective date of this AD												
	Less than 30 038 FC	Before the assembly accumulates 31 038 FC												

	<p>the BAE Systems (Operations) Ltd Service Bulletin 05-JA090143. and</p> <p>(4.2) Complying with the approved aircraft maintenance programme described in paragraph (4.1) of this AD.</p>
Ref. Publications:	<p>BAE Systems (Operations) Ltd Service Bulletin 05-JA090143, Original Issue, dated 30 April 2009.</p> <p>BAE Systems (Operations) Ltd Service Bulletin 32-JA990142, Original Issue, dated 26 March 1999.</p> <p>The use of later approved revisions of these documents is acceptable for compliance with the requirements of this AD.</p>
Remarks :	<ol style="list-style-type: none"> <li>1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.</li> <li>2. This AD was posted on 01 July 2010 as PAD 10-068 for consultation until 29 July 2010. No comments were received during the consultation period.</li> <li>3. Enquiries regarding this AD should be referred to the Airworthiness Directives, Safety Management &amp; Research Section, Certification Directorate, EASA. E-mail <a href="mailto:ADs@easa.europa.eu">ADs@easa.europa.eu</a>.</li> <li>4. For any question concerning the technical content of the requirements in this AD, please contact: BAE Systems (Operations) Ltd, Customer Information Department, Prestwick International Airport, Ayrshire, KA9 2RW, Scotland, United Kingdom; Telephone +44 1292 675207, Facsimile +44 1292 675704; E-mail: <a href="mailto:RApublications@baesystems.com">RApublications@baesystems.com</a>.</li> </ol>