

EASA	AIRWORTHINESS DIRECTIVE
	<p>AD No.: 2013-0296</p> <p>Date: 11 December 2013</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 EU 748/2012, Part 21.A.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>	
<p>Design Approval Holder's Name: Rolls-Royce Deutschland Ltd & Co KG</p>	<p>Type/Model designation(s): BR700-710A2-20 and BR700-710C4-11 engines</p>
TCDS Number:	EASA.E.018
Foreign AD:	Not applicable
Supersedure:	None
ATA 72	Engine – High Pressure Compressor and Combustion Fairings – Inspection / Replacement
Manufacturer(s):	Rolls-Royce Deutschland Ltd & Co KG (RRD)
Applicability:	<p>BR700-710A2-20 engines, manufacturer serial numbers (MSN) from 22138 through 22150 (inclusive).</p> <p>BR700-710C4-11 engines, MSN from 15887 through 15899 (inclusive), which have hardware configuration standard 710C4-11 engraved on the engine data plate (RRD Service Bulletin (SB) SB-BR700-72-101466 standard not incorporated).</p> <p>These engines are known to be installed on, but not limited to, Gulfstream GV-SP (G500, G550) and Bombardier BD-700-1A10, BD-700-1A11 series aeroplanes.</p>
Reason:	<p>The results of a recent production quality review revealed a possibility of installation on an engine of upper left high pressure compressor (HPC) fairings and upper left, upper right and lower right Combustion Section Fairings, having a potential profile non-conformity.</p> <p>This condition, if not detected and corrected, could lead to a gap between the HPC and Combustion Section Fairings, resulting in reduced engine fire extinguishing capability and, consequently, an uncontrolled nacelle fire.</p> <p>To address this potential unsafe condition, RRD issued Alert Non Modification Service Bulletin (NMSB) SB-BR700-72-A900297 to provide inspection and replacement instructions for HPC Fairings and NMSB SB-BR700-72-A900298 to provide instructions for Combustion Section Fairing replacement.</p> <p>For the reasons described above, this AD requires inspection of the upper left</p>

	HPC Fairing and, depending on findings, replacement with a serviceable part. In addition, this AD requires replacement of the upper left, upper right and lower right Combustion Section Fairings of affected engines with serviceable parts.
Effective Date:	25 December 2013
Required Action(s) and Compliance Time(s):	<p>Required as indicated, unless accomplished previously:</p> <ol style="list-style-type: none"> (1) Within 500 engine flight hours (FH) after the effective date of this AD, or before release to service of an engine after an engine shop visit, whichever occurs first, inspect the upper left HPC Fairing in accordance with the accomplishment instructions of RRD NMSB SB-BR700-72-A900297. (2) If, during the inspection as required by paragraph (1) of this AD, an upper left HPC Fairing with a profile non-conformity, as specified in NMSB SB-BR700-72-A900297, is detected, before next flight, replace the upper left HPC Fairing with a serviceable part in accordance with the accomplishment instructions of RRD NMSB SB-BR700-72-A900297. <p>For BR700-710A2-20 engines with MSN 22138 and 22139 and BR700-710C4-11 engines with MSN from 15887 through 15891 (inclusive):</p> <ol style="list-style-type: none"> (3) Within 500 engine FH after the effective date of this AD, or before release to service of an engine after an engine shop visit, whichever occurs first, replace an upper left, upper right and lower right Combustion Section Fairing with a serviceable part in accordance with the accomplishment instructions of RRD SB-BR700-72-A900298.
Ref. Publications:	<p>RRD Alert NMSB SB-BR700-72-A900297 Initial Issue, dated 02 September 2013;</p> <p>RRD Alert NMSB SB-BR700-72-A900298 Initial Issue, dated 02 September 2013.</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"> 1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD. 2. This AD was posted on 11 November 2013 as PAD 13-163 for consultation until 09 December 2013. No comments were received during the consultation period. 3. Enquiries regarding this AD should be referred to the Safety Information Section, Executive Directorate, EASA. E-mail: ADs@easa.europa.eu. 4. For any question concerning the technical content of the requirements in this AD, please contact: Rolls-Royce Deutschland Ltd & Co KG Eschenweg 11, Dahlewitz 15827 Blankenfelde-Mahlow Germany Telephone: +49 (0) 33 7086 1200 Fax: +49 (0) 33 7086 1212 E-mail: rrd.tech.help@rolls-royce.com.