



Airworthiness Directive

D-2005-359

Luffahrt-Bundesamt

Airworthiness Directive Section
Hermann-Blenk-Str. 26
38108 Braunschweig
G E R M A N Y

Rolls-Royce Deutschland

Effective Date: 16 September 2005

Affected:

Kind of aeronautical product: Aircraft Engine
Manufacturer: Rolls-Royce Deutschland Ltd & Co KG, Eschenweg, Dahlewitz, Germany
Type: BR700-715
Models affected: BR700-715A1-30, BR700-715B1-30 and BR700-715C1-30
Serial Numbers affected: All Engines which have an Engine Electronic Controller (EEC) with the part number 114E6112G120 and the serial numbers LHBR0413 to LHBR0419 installed
German Type Certificate No.: 6336

Subject:

Potential failure of the Engine Electronic Controller (EEC).

Reason:

Rolls-Royce Deutschland has been informed by the supplier of the Engine Electronic Controller (EEC) of incorrect application of the thread locking compound on connector nuts in some EECs with the part number 114E6112G120. This incorrect application of the thread locking compound can lead to the connector nuts becoming loose within the EEC and potentially causing a short circuit and subsequently a failure of the EEC. The action specified by this airworthiness directive is intended to prevent a possible failure of the EEC which could result in an engine in-flight shutdown.

Action:

This airworthiness directive requires the replacement of the Engine Electronic Controllers (EECs) with the part number (P/N) 114E6112G120 and the serial numbers (S/Ns) LHBR0413 to LHBR0419 that have the incorrect application of the thread locking compound.

All necessary actions must be performed on the basis of the referenced manufacturer Service Bulletin.

Compliance:

The necessary actions must be carried out:

If both engines on an aircraft have an affected EEC installed, one of the two affected EECs must be replaced before next flight. The other affected EEC must be replaced within the next 50 flight hours.

If only one of the two engines on an aircraft has an affected EEC installed, the affected EEC must be replaced within the next 50 flight hours.

Technical publication of the manufacturer:

Rolls-Royce Deutschland Alert Service Bulletin BR700-73-A900378, initial revision of 16 September 2005. This Service Bulletin becomes herewith part of this AD and can be obtained from:

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Service Engineering
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15827 Dahlewitz
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EASA-Approval

The Luffahrt-Bundesamt has issued this Airworthiness Directive in accordance with Article 10.1 of European Union Regulation 1592/2002.