

that the safety issue is severe enough that failure of the canard inboard flap hinge support brackets must be prevented and cracks in this area must be detected before further operation.

#### Alternative Methods of Compliance (AMOCs)

(h) The Manager, Standards Office, Small Airplane Directorate, FAA, ATTN: Karl Schletzbaum, Aerospace Engineer, ACE-112, Small Airplane Directorate, 901 Locust, Room 301, Kansas City, Missouri 64106; telephone: 816-329-4146; facsimile: 816-329-4090, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19.

(i) AMOCs approved for AD 2004-11-04 are approved for this AD.

#### Related Information

(j) Malaysian AD No. CAM AD 001-01-2004 R1, dated December 23, 2005, and Australian AD No. CASA AD/X-TS/5, dated August 21, 2003, revised April 2, 2004, also address the subject of this AD. To get copies of the documents referenced in this AD, contact CTRM Aviation Sdn. Bhd. (formerly known as Eagle Aircraft Sdn. Bhd.), Locked Bag 1028, Pejabat Pos Besar Melaka, 75150 Melaka, Malaysia; telephone: 06 317 1007; facsimile: 06 317 7023. To view the AD docket, go to the Docket Management Facility; U.S. Department of Transportation, 400 Seventh Street, SW., Nassif Building, Room PL-401, Washington, DC, or on the Internet at <http://dms.dot.gov>. The docket number is Docket No. FAA-2006-23786; Directorate Identifier 2006-CE-11-AD.

Issued in Kansas City, Missouri, on July 3, 2006.

**David R. Showers,**

*Acting Manager, Small Airplane Directorate, Aircraft Certification Service.*

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BILLING CODE 4910-13-P

## DEPARTMENT OF TRANSPORTATION

### Federal Aviation Administration

#### 14 CFR Part 39

[Docket No. FAA-2006-24825; Directorate Identifier 2006-NE-17-AD]

RIN 2120-AA64

#### Airworthiness Directives; Rolls-Royce Deutschland Ltd & Co KG (Formerly Rolls-Royce, plc.) Dart 528, 529, 532, 535, 542, and 555 Series Turbofan Engines

**AGENCY:** Federal Aviation Administration (FAA), DOT.

**ACTION:** Notice of proposed rulemaking (NPRM).

**SUMMARY:** The FAA proposes to adopt a new airworthiness directive (AD) for Rolls-Royce Deutschland Ltd & Co KG (RRD) Dart 528, 529, 532, 535, 542, and

555 series turbofan engines. This proposed AD would require a dimensional inspection of the intermediate pressure turbine (IPT) disk or an ultrasonic inspection of the seal arm contact between the high pressure turbine (HPT) and the IPT disk seal arm and rework or replacement of the IPT disk if wear outside acceptable limits is found. This proposed AD results from reports of a number of HPT disk failures, some of which resulted in portions of the HPT disk being released. We are proposing this AD to prevent HPT disk failure, which can result in an uncontained engine failure and damage to the airplane.

**DATES:** We must receive any comments on this proposed AD by September 11, 2006.

**ADDRESSES:** Use one of the following addresses to comment on this proposed AD.

- DOT Docket Web site: Go to <http://dms.dot.gov> and follow the instructions for sending your comments electronically.

- Government-wide rulemaking Web site: Go to <http://www.regulations.gov> and follow the instructions for sending your comments electronically.

- Mail: Docket Management Facility; U.S. Department of Transportation, 400 Seventh Street, SW., Nassif Building, Room PL-401, Washington, DC 20590-0001.

- Fax: (202) 493-2251.

- Hand Delivery: Room PL-401 on the plaza level of the Nassif Building, 400 Seventh Street, SW., Washington, DC, between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays.

Contact Rolls-Royce Deutschland Ltd & Co KG, Eschenweg 11, D-15827 Dahlewitz, Germany; telephone 49 (0) 33-7086-1768; fax 49 (0) 33-7086-3356 for the service information identified in this proposed AD.

#### FOR FURTHER INFORMATION CONTACT:

Jason Yang, Aerospace Engineer, Engine Certification Office, FAA, Engine and Propeller Directorate, 12 New England Executive Park, Burlington, MA 01803; telephone (781) 238-7747; fax (781) 238-7199.

#### SUPPLEMENTARY INFORMATION:

##### Comments Invited

We invite you to submit any written relevant data, views, or arguments regarding this proposal. Send your comments to an address listed under **ADDRESSES**. Include "Docket No. FAA-2006-24825; Directorate Identifier 2006-NE-17-AD" in the subject line of your comments. We specifically invite comments on the overall regulatory, economic, environmental, and energy

aspects of the proposed AD. We will consider all comments received by the closing date and may amend the proposed AD in light of those comments.

We will post all comments we receive, without change, to <http://dms.dot.gov>, including any personal information you provide. We will also post a report summarizing each substantive verbal contact with FAA personnel concerning this proposed AD. Using the search function of the DMS Web site, anyone can find and read the comments in any of our dockets, including the name of the individual who sent the comment (or signed the comment on behalf of an association, business, labor union, etc.). You may review the DOT's complete Privacy Act Statement in the **Federal Register** published on April 11, 2000 (65 FR 19477-78) or you may visit <http://dms.dot.gov>.

#### Examining the AD Docket

You may examine the docket that contains the proposal, any comments received, and any final disposition in person at the DMS Docket Offices between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The Docket Office (telephone (800) 647-5227) is on the plaza level of the Department of Transportation Nassif Building at the street address stated in **ADDRESSES**. Comments will be available in the AD docket shortly after the DMS receives them.

#### Discussion

The Luftfahrt-Bundesamt (LBA), which is the airworthiness authority for Germany, recently notified us that an unsafe condition may exist on RRD Dart 528, 529, 532, 535, 542, and 555 turbofan engines. The LBA advises that since 1972, there have been a number of HPT disk failures on in-service engines, three of which resulted in release of the HPT turbine disk. Fretting between the HPT disk and the IPT disk seal arms caused the release. We are proposing this AD to prevent HPT disk failure, which can result in an uncontained engine failure and damage to the airplane.

We have reviewed and approved the technical contents of RRD DART Service Bulletin (SB) Da72-536, Revision 1, dated August 25, 2003, and SB Da72-538, dated June 10, 2005. SB Da72-536 describes procedures for conducting an ultrasonic inspection to determine if a gap exists between the HPT and IPT disk seal arms. SB Da72-538 describes procedures for a dimensional inspection of the IPT disk and rework or replacement of the IPT disk if wear

outside acceptable limits is found. The LBA classified this SB as mandatory and issued airworthiness directive D-2005-197, dated June 30, 2005, in order to ensure the airworthiness of these engines in Germany.

#### Differences Between This Proposed AD and the Manufacturer's Service Information

Because the service information was developed before the proposed AD, the compliance times permitted to conduct the inspections differ.

#### FAA's Determination and Requirements of the Proposed AD

These engines, manufactured in the United Kingdom, are type-certificated for operation in the United States under the provisions of section 21.29 of the Federal Aviation Regulations (14 CFR 21.29) and the applicable bilateral airworthiness agreement. In keeping with this bilateral airworthiness agreement, the LBA kept us informed of the situation described above. We have examined the LBA's findings, reviewed all available information, and determined that AD action is necessary for products of this type design that are certificated for operation in the United States. We are proposing this AD, that would require a dimensional inspection of the IPT disk or an ultrasonic inspection of seal arm contact between the HPT and the IPT disk seal arm, and rework or replacement of the IPT disk, if wear outside acceptable limits is found. The proposed AD would require you to use the service information described previously to perform these actions.

#### Costs of Compliance

We estimate that this proposed AD would affect 30 RRD Dart 528, 529, 532, 535, 542, and 555 series turboprop engines installed on airplanes of U.S. registry. We also estimate that it would take about 50 work-hours per engine to perform the proposed actions, and that the average labor rate is \$80 per work-hour. Required parts would cost about \$50,000 per IPT disk. We estimate that 25 percent, or eight engines, would require IPT disk replacement. Based on these figures, we estimate the total cost of the proposed AD to U.S. operators to be \$500,000.

#### Authority for This Rulemaking

Title 49 of the United States Code specifies the FAA's authority to issue rules on aviation safety. Subtitle I, Section 106, describes the authority of the FAA Administrator. Subtitle VII, Aviation Programs, describes in more

detail the scope of the Agency's authority.

We are issuing this rulemaking under the authority described in Subtitle VII, Part A, Subpart III, Section 44701, "General requirements." Under that section, Congress charges the FAA with promoting safe flight of civil aircraft in air commerce by prescribing regulations for practices, methods, and procedures the Administrator finds necessary for safety in air commerce. This regulation is within the scope of that authority because it addresses an unsafe condition that is likely to exist or develop on products identified in this rulemaking action.

#### Regulatory Findings

We have determined that this proposed AD would not have federalism implications under Executive Order 13132. This proposed AD would not have a substantial direct effect on the States, on the relationship between the national Government and the States, or on the distribution of power and responsibilities among the various levels of government.

For the reasons discussed above, I certify that the proposed regulation:

1. Is not a "significant regulatory action" under Executive Order 12866;
2. Is not a "significant rule" under the DOT Regulatory Policies and Procedures (44 FR 11034, February 26, 1979); and
3. Would not have a significant economic impact, positive or negative, on a substantial number of small entities under the criteria of the Regulatory Flexibility Act.

We prepared a summary of the costs to comply with this proposal and placed it in the AD Docket. You may get a copy of this summary at the address listed under **ADDRESSES**.

#### List of Subjects in 14 CFR Part 39

Air transportation, Aircraft, Aviation safety, Safety.

#### The Proposed Amendment

Under the authority delegated to me by the Administrator, the Federal Aviation Administration proposes to amend 14 CFR part 39 as follows:

#### PART 39—AIRWORTHINESS DIRECTIVES

1. The authority citation for part 39 continues to read as follows:

**Authority:** 49 U.S.C. 106(g), 40113, 44701.

#### § 39.13 [Amended]

2. The FAA amends § 39.13 by adding the following new airworthiness directive:

**Rolls-Royce Deutschland Ltd & Co KG (formerly Rolls-Royce, PLC.):** Docket No.

FAA-2006-24825; Directorate Identifier 2006-NE-17-AD.

#### Comments Due Date

- (a) The Federal Aviation Administration (FAA) must receive comments on this airworthiness directive (AD) action by September 11, 2006.

#### Affected ADs

- (b) None.

#### Applicability

- (c) This AD applies to Rolls-Royce Deutschland Ltd & Co KG (RRD) Dart 528, 529, 532, 535, 542, and 555 series turboprop engines. These engines are installed on, but not limited to, Hawker Siddeley, Argosy AW.650, Fairchild Hiller F-27, F-27A, F-27B, F-27F, F-27G, F-27J, FH-227, FH-227B, FH-227C, FH-227D, FH-227E, Fokker F.27 all marks; British Aircraft Corporation Viscount 744, 745D and 810; and Gulfstream G-159 airplanes.

#### Unsafe Condition

- (d) This AD results from reports of a number of high pressure turbine (HPT) disk failures, some of which resulted in portions of the HPT disk being released. We are issuing this AD to prevent HPT disk failure, which can result in an uncontained engine failure and damage to the airplane.

#### Compliance

- (e) You are responsible for having the actions required by this AD performed within the compliance times specified unless the actions have already been done.

#### Intermediate Pressure Turbine (IPT) Disk and HPT/IPT Disk Seal Arm Inspections

- (f) Within 60 days after the effective date of the AD, do either of the following:

- (1) Perform a dimensional inspection of the IPT disk and repair or replace the IPT disk, if necessary using paragraph 3 of the Accomplishment Instructions of RRD Service Bulletin (SB) Da72-538, dated June 10, 2005; Or

- (2) Perform an ultrasonic inspection of the disk seal arm contact between the HPT and the IPT using paragraph 3 of the Accomplishment Instructions of RRD SB Da72-536, Revision 1, dated August 25, 2003.

- (i) If wear is outside allowable limits, before December 31, 2006, perform a dimensional inspection and repair or replace the IPT disk, if necessary. Use paragraph 3 of the Accomplishment Instructions of RRD SB Da72-538, dated June 10, 2005.

- (ii) If wear is within allowable limits, perform a dimensional inspection of the IPT disk at the next engine shop visit or at next overhaul, whichever occurs first and repair or replace the IPT disk, if necessary. Use paragraph 3 of the Accomplishment Instructions of RRD SB Da72-538, dated June 10, 2005.

#### Alternative Methods of Compliance (AMOCs)

- (g) The Manager, Engine Certification Office, has the authority to approve alternative methods of compliance for this AD if requested using the procedures found in 14 CFR 39.19.

**Related Information**

(h) LBA airworthiness directive D-2005-197, dated June 30, 2005, also addresses the subject of this AD.

Issued in Burlington, Massachusetts, on July 5, 2006.

**Francis A. Favara,**

*Manager, Engine and Propeller Directorate, Aircraft Certification Service.*

[FR Doc. E6-10772 Filed 7-10-06; 8:45 am]

**BILLING CODE 4910-13-P**

**DEPARTMENT OF TRANSPORTATION****Federal Aviation Administration****14 CFR Part 39**

[Docket No. 2002-NE-40-AD]

RIN 2120-AA64

**Airworthiness Directives; Rolls-Royce plc RB211-524 Series Turbofan Engines**

**AGENCY:** Federal Aviation Administration (FAA), DOT.

**ACTION:** Notice of proposed rulemaking (NPRM).

**SUMMARY:** The FAA proposes to supersede an existing airworthiness directive (AD) for Rolls Royce plc (RR) RB211-524 series turbofan engines with certain part number (P/N) intermediate pressure compressor (IPC) stage 5 disks installed. That AD currently requires new reduced IPC stage 5 disk cyclic limits. This proposed AD would require the same reduced IPC stage 5 disk cyclic limits, the requirement to remove from service affected disks that already exceed the new reduced cyclic limit, and to remove from service other affected disks before exceeding their cyclic limits using a drawdown schedule. This proposed AD also would exempt disks reworked to RR Service Bulletin (SB) RB.211-72-E182, Revision 1, dated July 30, 2004, and would allow an on-wing eddy current inspection (ECI) on RB211-524G and RB211-524H series engines. This proposed AD results from the manufacturer issuing a revised Alert Service Bulletin (ASB) to remove certain disks from applicability, and to allow an on-wing ECI on RB211-524G and RB211-524H series engines. We are proposing this AD to prevent failure of the IPC stage 5 disk, which could result in uncontained engine failure and possible damage to the airplane.

**DATES:** We must receive any comments on this proposed AD by September 11, 2006.

**ADDRESSES:** Use one of the following addresses to comment on this proposed AD:

- By mail: Federal Aviation Administration (FAA), New England Region, Office of the Regional Counsel, Attention: Rules Docket No. 2002-NE-40-AD, 12 New England Executive Park, Burlington, MA 01803.

- By fax: (781) 238-7055.

- By e-mail: [9-ane-adcomment@faa.gov](mailto:9-ane-adcomment@faa.gov).

You can get the service information identified in this proposed AD from Rolls-Royce plc, P.O. Box 31 Derby, DE248BJ, United Kingdom; telephone 011-44-1332-242424; fax 011-44-1332-249936.

You may examine the AD docket, by appointment, at the FAA, New England Region, Office of the Regional Counsel, 12 New England Executive Park, Burlington, MA.

**FOR FURTHER INFORMATION CONTACT:** Ian Dargin, Aerospace Engineer, Engine Certification Office, FAA, Engine and Propeller Directorate, 12 New England Executive Park, Burlington, MA 01803; telephone (781) 238-7178; fax (781) 238-7199.

**SUPPLEMENTARY INFORMATION:****Comments Invited**

We invite you to send any written relevant data, views, or arguments regarding this proposal. Send your comments to an address listed under **ADDRESSES**. Include "AD Docket No. 2002-NE-40-AD" in the subject line of your comments. If you want us to acknowledge receipt of your mailed comments, send us a self-addressed, stamped postcard with the docket number written on it; we will date-stamp your postcard and mail it back to you. We specifically invite comments on the overall regulatory, economic, environmental, and energy aspects of the proposed AD. If a person contacts us verbally, and that contact relates to a substantive part of this proposed AD, we will summarize the contact and place the summary in the docket. We will consider all comments received by the closing date and may amend the proposed AD in light of those comments.

**Examining the AD Docket**

You may examine the AD Docket (including any comments and service information), by appointment, between 8 a.m. and 4:30 p.m., Monday through Friday, except Federal holidays. See **ADDRESSES** for the location.

**Discussion**

On July 18, 2005, the FAA issued AD 2005-15-13, Amendment 39-14202 (70 FR 43036, July 26, 2005). That AD requires:

- Establishing new reduced IPC stage 5 disk cyclic limits.

- Removing from service affected disks that already exceed the new reduced cyclic limit.

- Removing from service other affected disks before exceeding their cyclic limits, using a drawdown schedule.

- Allowing optional inspections at each shop visit or an on-wing ECI to extend the disk life beyond the specified life.

**Actions Since We Issued AD 2005-15-13**

Since we issued that AD, the manufacturer issued a new revision to ASB RB.211-72-AD428 to reference AD G-2005-0008.

**Relevant Service Information**

We have reviewed and approved the technical contents of RR ASB No. RB.211-72-AD428, Revision 5, dated March 18, 2005, that specifies a drawdown schedule for removing from service affected IPC stage 5 disks, using new RR Time Limits Manual (TLM), 05-10-01 cyclic limits. The ASB also describes procedures for optional inspections at each shop visit to extend the disk life beyond the lives specified. The Civil Aviation Authority (CAA), the airworthiness authority of the United Kingdom (U.K.), has classified this service bulletin as mandatory and issued AD G-2005-0008 to ensure the airworthiness of these RR turbofan engines in the U.K. We have also reviewed and approved the technical contents of the following SBs:

- SB No. RB.211-72-E148, dated March 13, 2003,

- SB No. RB.211-72E150, Revision 1, dated June 4, 2003, and

- SB No. RB.211-72-E171, Revision 1, dated February 8, 2005.

These SBs provide an optional on-wing ECI of the affected disks, to extend the disk life beyond the lives specified.

**Differences Between the Proposed AD and the Service Information**

This proposed AD adds a requirement to comply with the reduced cyclic life limits not later than 30 days after the effective date of this AD.

**Bilateral Agreement Information**

This engine model is manufactured in the U.K., and is type-certificated for operation in the United States under the provisions of section 21.29 of the Federal Aviation Regulations (14 CFR 21.29) and the applicable bilateral airworthiness agreement. Under this bilateral airworthiness agreement, the CAA has kept us informed of the situation described above.