

(i) Repeat the actions required by paragraphs (g)(1)(i) through (iii) of this AD inclusive, every 25 hours TIS since the last ESM, or exhaust system inspection, whichever occurs later.

(ii) Repeat the actions required by paragraphs (g)(2)(i) through (iii) of this AD inclusive, every 100 hours TIS after the last ESM, or torque check of the exhaust system flange nuts, whichever occurs later.

(4) For all engines with more than 1,000 hours TIS since the last ESM:

(i) Repeat the actions required by paragraphs (g)(1)(i) through (iii) of this AD inclusive, every 50 hours TIS since the last ESM, or exhaust system inspection, whichever occurs later.

(ii) Repeat the actions required by paragraphs (g)(2)(i) through (iii) of this AD inclusive, every 100 hours TIS since the last ESM, or torque check of the exhaust system flange nuts, whichever occurs later.

#### (h) Definitions

For the purposes of this AD, ESM is any maintenance that requires the removal and replacement of any exhaust system pipe or turbocharger mounting bracket, or the re-torqueing of the exhaust flange mounting nuts.

#### (i) Terminating Action

The requirement in Required Action paragraph 3., to submit a survey to Lycoming Engines ends one year after the effective date of this AD, but, the exhaust system inspections in Required Actions paragraph 1., and torque checks of the exhaust system flange nuts, in Required Actions paragraph 2., are still required.

#### (j) Paperwork Reduction Act Burden Statement

A federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with a collection of information subject to the requirements of the Paperwork Reduction Act unless that collection of information displays a current valid OMB Control Number. The OMB Control Number for this information collection is 2120-0056. Public reporting for this collection of information is estimated to be approximately 5 minutes per response, including the time for reviewing instructions, completing and reviewing the collection of information. All responses to this collection of information are mandatory. Comments concerning the accuracy of this burden and suggestions for reducing the burden should be directed to the FAA at: 800 Independence Ave. SW., Washington, DC 20591, Attn: Information Collection Clearance Officer, AES-200.

#### (k) Alternative Methods of Compliance (AMOCs)

The Manager, New York Aircraft Certification Office, FAA, may approve AMOCs for this AD. Use the procedures found in 14 CFR 39.19 to make your request.

#### (l) Related Information

(1) For more information about this AD, contact Norman Perenson, Aerospace Engineer, New York Aircraft Certification

Office, FAA, Engine & Propeller Directorate, 1600 Stewart Avenue, Suite 410, Westbury, NY 11590; phone: 516-228-7337; fax: 516-794-5531; email: [Norman.Perenson@faa.gov](mailto:Norman.Perenson@faa.gov).

(2) Lycoming Engines MSB No. 614A, dated October 10, 2014, which is not incorporated by reference in this AD, can be obtained from Lycoming Engines using the contact information in paragraph (m)(3) of this AD.

#### (m) Material Incorporated by Reference

(1) The Director of the Federal Register approved the incorporation by reference (IBR) of the service information listed in this paragraph under 5 U.S.C. 552(a) and 1 CFR part 51.

(2) You must use this service information as applicable to do the actions required by this AD, unless the AD specifies otherwise.

(i) Lycoming Engines Mandatory Service Bulletin No. 627C, dated November 17, 2016.

(ii) Reserved.

(3) For Lycoming Engines service information identified in this AD, contact Lycoming Engines, 652 Oliver Street, Williamsport, PA 17701; phone: 800-258-3279; fax: 570-327-7101; Internet: [www.lycoming.com/Lycoming/SUPPORT/TechnicalPublications/ServiceBulletins.aspx](http://www.lycoming.com/Lycoming/SUPPORT/TechnicalPublications/ServiceBulletins.aspx).

(4) You may view this service information at FAA, Engine & Propeller Directorate, 1200 District Avenue, Burlington, MA. For information on the availability of this material at the FAA, call 781-238-7125.

(5) You may view this service information at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: <http://www.archives.gov/federal-register/cfr/ibr-locations.html>.

Issued in Burlington, Massachusetts, on May 24, 2017.

**Carlos A. Pestana,**

*Acting Assistant Directorate Manager, Engine & Propeller Directorate, Aircraft Certification Service.*

[FR Doc. 2017-12075 Filed 6-12-17; 8:45 am]

**BILLING CODE 4910-13-P**

## DEPARTMENT OF TRANSPORTATION

### Federal Aviation Administration

#### 14 CFR Part 39

**[Docket No. FAA-2016-9553; Directorate Identifier 2016-NE-29-AD; Amendment 39-18904; AD 2017-11-05]**

**RIN 2120-AA64**

#### **Airworthiness Directives; Rolls-Royce Corporation Turbofan Engines**

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

**ACTION:** Final rule.

**SUMMARY:** We are adopting a new airworthiness directive (AD) for certain Rolls-Royce Corporation (RRC) AE 3007C and 3007C1 turbofan engines.

This AD was prompted by analysis and by cracks found in the high-pressure turbine (HPT) wheel during an inspection. This AD requires replacement of the affected HPT wheels at new, lower life limits. We are issuing this AD to correct the unsafe condition on these products.

**DATES:** This AD is effective July 18, 2017.

The Director of the Federal Register approved the incorporation by reference of a certain publication listed in this AD as of July 18, 2017.

**ADDRESSES:** For service information identified in this final rule, contact Rolls-Royce Corporation, 450 South Meridian Street, Mail Code NB-01-06, Indianapolis, IN 46225; phone: 317-230-3774; email: [indy.pubs.services@rolls-royce.com](mailto:indy.pubs.services@rolls-royce.com); Internet: [www.rolls-royce.com](http://www.rolls-royce.com). You may view this service information at the FAA, Engine & Propeller Directorate, 1200 District Avenue, Burlington, MA. For information on the availability of this material at the FAA, call 781-238-7125. It is also available on the Internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2016-9553.

#### Examining the AD Docket

You may examine the AD docket on the Internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2016-9553; or in person at the Docket Management Facility between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The AD docket contains this AD, the regulatory evaluation, any comments received, and other information. The address for the Docket Office (phone: 800-647-5527) is Document Management Facility, U.S. Department of Transportation, Docket Operations, M-30, West Building Ground Floor, Room W12-140, 1200 New Jersey Avenue SE., Washington, DC 20590.

**FOR FURTHER INFORMATION CONTACT:** Kyri Zaroyiannis, Aerospace Engineer, Chicago Aircraft Certification Office, Small Airplane Directorate, FAA, 2300 E. Devon Ave., Des Plaines, IL 60018; phone: 847-294-7836; fax: 847-294-7834; email: [kyri.zaroyiannis@faa.gov](mailto:kyri.zaroyiannis@faa.gov).

#### **SUPPLEMENTARY INFORMATION:**

##### **Discussion**

We issued a notice of proposed rulemaking (NPRM) to amend 14 CFR part 39 by adding an AD that would apply to certain RRC AE 3007C and 3007C1 model turbofan engines. The NPRM published in the **Federal Register** on February 22, 2017 (82 FR

11327) (“the NPRM”). The NPRM was prompted by analysis and by cracks found in the HPT wheel during an inspection. The NPRM proposed to require replacement of the affected HPT wheels at new, lower life limits. We are issuing this AD to prevent uncontained failure of the HPT wheels, damage to the engine, and damage to the airplane.

**Comments**

We gave the public the opportunity to participate in developing this AD. We have considered the comment received.

An individual commenter supported the NPRM.

**Conclusion**

We reviewed the relevant data, considered the comments received, and determined that air safety and the public interest require adopting this AD as proposed.

**Related Service Information Under 1 CFR Part 51**

We reviewed RRC Alert Service Bulletin (ASB) AE 3007C–A–72–318, Revision 2, dated September 23, 2016.

The ASB provides updated life limits for the affected HPT wheels. This service information is reasonably available because the interested parties have access to it through their normal course of business or by the means identified in the ADDRESSES section.

**Costs of Compliance**

We estimate that this AD affects 307 engines installed on airplanes of U.S. registry.

We estimate the following costs to comply with this AD:

**ESTIMATED COSTS**

Action	Labor cost	Parts cost	Cost per product	Cost on U.S. operators
Replacement of HPT wheel (Part Number (P/N) 23062373, 23065891, or 23070664) at reduced life.	0 work-hours × \$85 per hour = \$0.	\$39,171 (pro-rated cost of part).	\$39,171	\$3,838,758
Replacement of HPT wheel (P/N 23063462, 23065892, 23069116, 23069592, or 23074643) at reduced life.	0 work-hours × \$85 per hour = \$0.	\$21,911 (pro-rated cost of part).	21,911	4,579,399

**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**

This AD will not have federalism implications under Executive Order 13132. This AD will 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 this AD:

- (1) Is not a “significant regulatory action” under Executive Order 12866,
- (2) Is not a “significant rule” under DOT Regulatory Policies and Procedures (44 FR 11034, February 26, 1979),

(3) Will not affect intrastate aviation in Alaska to the extent that it justifies making a regulatory distinction, and

(4) Will not have a significant economic impact, positive or negative, on a substantial number of small entities under the criteria of the Regulatory Flexibility Act.

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

Air transportation, Aircraft, Aviation safety, Incorporation by reference, Safety.

**Adoption of the Amendment**

Accordingly, under the authority delegated to me by the Administrator, the FAA amends 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 (AD):

**2017–11–05 Roll-Royce Corporation (Type Certificate previously held by Allison Engine Company):** Amendment 39–18904; Docket No. FAA–2016–9553; Directorate Identifier 2016–NE–29–AD.

**(a) Effective Date**

This AD is effective July 18, 2017.

**(b) Affected ADs**

None.

**(c) Applicability**

(1) This AD applies to Rolls-Royce Corporation (RRC) AE 3007C and 3007C1 turbofan engines with 1st stage high-pressure turbine (HPT) wheels, part number (P/N) 23062373, 23065891, or 23070664; or with 2nd stage HPT wheels, P/N 23063462, 23065892, 23069116, 23069592 (except those serial numbers (S/Ns) noted in paragraph (c)(2) of this AD), or 23074643, installed.

(2) This AD does not apply to RRC AE 3007C and 3007C1 turbofan engines with 2nd stage HPT wheels, P/N 23069592, with S/Ns listed in Table 6 of RRC Alert Service Bulletin (ASB) AE 3007C–A–72–318, Revision 2, dated September 23, 2016, installed.

**(d) Subject**

Joint Aircraft System Component (JASC) Code 7250, Turbine/turboprop Engine, Turbine Section.

**(e) Unsafe Condition**

This AD was prompted by analysis and by cracks found in the HPT wheel during an inspection. We are issuing this AD to prevent uncontained failure of the HPT wheels, damage to the engine, and damage to the airplane.

**(f) Compliance**

Comply with this AD within the compliance times specified, unless already done.

(1) For all RRC AE 3007C or C1 engines with an installed 1st stage HPT wheel, P/N 23062373, 23065891, or 23070664, or 2nd stage HPT wheel, P/N 23063462, 23065892, 23069116, 23069592 (except those S/Ns excluded by paragraph (c)(2) of this AD) or 23074643, after the effective date of this AD, remove the affected wheels before exceeding the new life limits identified in paragraph C., Table 1 of RRC ASB AE 3007C–A–72–318, Revision 2, dated September 23, 2016.

(2) After the effective date of this AD, do not return to service any engine with an HPT turbine wheel, with an affected P/N and an S/N, with a wheel life that exceeds the new life limits identified in paragraph C., Table 1 of RRC ASB AE 3007C-A-72-318, Revision 2, dated September 23, 2016.

**(g) Alternative Methods of Compliance (AMOCs)**

The Manager, Chicago Aircraft Certification Office, FAA, may approve AMOCs for this AD. Use the procedures found in 14 CFR 39.19 to make your request.

**(h) Related Information**

For more information about this AD, contact Kyri Zaroyiannis, Aerospace Engineer, Chicago Aircraft Certification Office, Small Airplane Directorate, FAA, 2300 E. Devon Ave., Des Plaines, IL 60018; phone: 847-294-7836; fax: 847-294-7834; email: [kyri.zaroyiannis@faa.gov](mailto:kyri.zaroyiannis@faa.gov).

**(i) Material Incorporated by Reference**

(1) The Director of the Federal Register approved the incorporation by reference (IBR) of the service information listed in this paragraph under 5 U.S.C. 552(a) and 1 CFR part 51.

(2) You must use this service information as applicable to do the actions required by this AD, unless the AD specifies otherwise.

(i) Rolls-Royce Corporation (RRC) Alert Service Bulletin AE 3007C-A-72-318, Revision 2, dated September 23, 2016.

(ii) Reserved.

(3) For RRC service information identified in this AD, contact Rolls-Royce Corporation, 450 South Meridian Street, Mail Code NB-01-06, Indianapolis, IN 46225; phone: 317-230-3774; email: [indy.pubs.services@rolls-royce.com](mailto:indy.pubs.services@rolls-royce.com); Internet: [www.rolls-royce.com](http://www.rolls-royce.com).

(4) You may view this service information at the FAA, Engine & Propeller Directorate, 1200 District Avenue, Burlington, MA 01803. For information on the availability of this material at the FAA, call 781-238-7125.

(5) You may view this service information at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: <http://www.archives.gov/federal-register/cfr/ibr-locations.html>.

Issued in Burlington, Massachusetts, on May 17, 2017.

**Robert J. Ganley,**

*Acting Manager, Engine & Propeller Directorate, Aircraft Certification Service.*

[FR Doc. 2017-12077 Filed 6-12-17; 8:45 am]

**BILLING CODE 4910-13-P**

**DEPARTMENT OF TRANSPORTATION**

**Federal Aviation Administration**

**14 CFR Part 71**

[Docket No. FAA-2017-0107; Airspace Docket No. 16-AEA-11]

**Amendment and Removal of VOR Federal Airways; Eastern United States**

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

**ACTION:** Final rule.

**SUMMARY:** This action modifies VOR Federal airways V-14, V-265, V-464, and V-552, and removes V-90 in the eastern United States due to the planned decommissioning of the Dunkirk, NY, VORTAC navigation aid, which provides navigation guidance for portions of the above routes.

**DATES:** Effective date 0901, August 17, 2017. The Director of the Federal Register approves this incorporation by reference action under Title 1, Code of Federal Regulations, part 51, subject to the annual revision of FAA Order 7400.11 and publication of conforming amendments.

**ADDRESSES:** FAA Order 7400.11A, Airspace Designations and Reporting Points, and subsequent amendments can be viewed online at [http://www.faa.gov/air\\_traffic/publications/](http://www.faa.gov/air_traffic/publications/). For further information, you can contact the Airspace Policy Group, Federal Aviation Administration, 800 Independence Avenue SW., Washington, DC 20591; telephone: (202) 267-8783. The Order is also available for inspection at the National Archives and Records Administration (NARA). For information on the availability of FAA Order 7400.11A at NARA, call (202) 741-6030, or go to [http://www.archives.gov/federal\\_register/code\\_of\\_federal-regulations/ibr-locations.html](http://www.archives.gov/federal_register/code_of_federal-regulations/ibr-locations.html).

FAA Order 7400.11, Airspace Designations and Reporting Points, is published yearly and effective on September 15.

**FOR FURTHER INFORMATION CONTACT:** Paul Gallant, Airspace Policy Group, Office of Airspace Services, Federal Aviation Administration, 800 Independence Avenue SW., Washington, DC 20591; telephone: (202) 267-8783.

**SUPPLEMENTARY INFORMATION:**

**Authority for This Rulemaking**

The FAA's authority to issue rules regarding aviation safety is found in Title 49 of the United States Code. 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. This rulemaking is promulgated under the authority described in Subtitle VII, Part A, Subpart I, Section 40103. Under that section, the FAA is charged with prescribing regulations to assign the use of the airspace necessary to ensure the safety of aircraft and the efficient use of airspace. This regulation is within the scope of that authority as it modifies the air traffic service route structure in the eastern United States to maintain the efficient flow of air traffic.

**History**

On March 6, 2017, the FAA published in the **Federal Register** a notice of proposed rulemaking (NPRM) (82 FR 12523) Docket No. FAA-2017-0107, to amend VOR Federal airways V-14, V-265, V-464, and V-552, and remove V-90, due to the planned decommissioning of the Dunkirk, NY, VORTAC. Interested parties were invited to participate in this rulemaking effort by submitting written comments on the proposal. One comment was received.

**Discussion of Comment**

The Aircraft Owners and Pilots Association (AOPA) wrote that, for those VOR NAVAIDs that are to be decommissioned, and for those airways that are correspondingly removed, the FAA should create an RNAV waypoint at the previous NAVAID location and retain all fixes and intersections along that route by amending their definition to that of an RNAV waypoint. For this specific action, there are no plans to replace the VORTAC and affected route fixes with RNAV waypoints as suggested. However, the distance measuring equipment (DME) function of the Dunkirk VORTAC will be retained in operation. In addition, to provide alternative navigation guidance in place of the airway segments that are being removed, the following routings are available:

V-14 currently extends between Chisum, NM, and Norwich, CT. This action removes the Dunkirk, NY, VORTAC from the route resulting in a gap in the airway between Erie, PA, and Buffalo, NY. The amended route extends between Chisum, NM, and Erie, PA; and between Buffalo, NY, and Norwich, CT. An alternative around the gap is V-270 from Erie, PA, to Jamestown, NY, then V-115 to Buffalo, NY, then rejoin V-14.

V-90 currently extends between Salem, MI, and Dunkirk, NY. This action cancels the entire route. As an alternative, V-418 currently overlies the