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## **DEPARTMENT OF TRANSPORTATION**

### **Federal Aviation Administration**

#### **14 CFR Part 39**

**[Docket No. FAA-2010-0954; Directorate Identifier 2010-NM-078-AD; Amendment 39-16596; AD 2011-03-12]**

**RIN 2120-AA64**

**Airworthiness Directives; Hawker Beechcraft Corporation (Type Certificate Previously Held by Raytheon Aircraft Company; Beech Aircraft Corporation) Model 400A and 400T Airplanes**

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

**ACTION:** Final rule.

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**SUMMARY:** We are adopting a new airworthiness directive (AD) for the products listed above. This AD requires a detailed inspection for proper sealant of the left and right pylon firewall structures, and corrective actions if necessary. This AD results from reports of missing sealant on the left and right pylon firewall structures. We are issuing this AD to detect and correct missing sealant on the left and right pylon firewall structures, which, in the event of an engine fire, could result in flames penetrating the seams in the firewall between the engine and the aft fuselage, and a subsequent uncontrolled fire in the aft fuselage.

**DATES:** This AD is effective March 14, 2011.

The Director of the Federal Register approved the incorporation by reference of a certain publication listed in the AD as of March 14, 2011.

**ADDRESSES:** For service information identified in this AD, contact Hawker Beechcraft Corporation, Department 62, P.O. Box 85, Wichita, Kansas 67201-0085; telephone 316-676-8238; fax 316-676-6706; e-mail [tmdec@hawkerbeechcraft.com](mailto:tmdec@hawkerbeechcraft.com); Internet [https://www.hawkerbeechcraft.com/service\\_support/pubs](https://www.hawkerbeechcraft.com/service_support/pubs). You may review copies of the referenced service information at the FAA, Transport Airplane Directorate, 1601 Lind Avenue, SW., Renton, Washington. For information on the availability of this material at the FAA, call 425-227-1221.

#### **Examining the AD Docket**

You may examine the AD docket on the Internet at <http://www.regulations.gov>; 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:** Thomas Teplik, Aerospace Engineer, Systems and Propulsion Branch, ACE-116W, FAA, Wichita Aircraft Certification Office (ACO), 1801 Airport Road, Room 100, Mid-Continent Airport, Wichita, Kansas 67209; phone: (316) 946-4196; fax: (316) 946-4107; e-mail: Thomas.Teplik@faa.gov.

## **SUPPLEMENTARY INFORMATION:**

### **Discussion**

We issued a notice of proposed rulemaking (NPRM) to amend 14 CFR part 39 to include an airworthiness directive (AD) that would apply to the specified products. That NPRM was published in the Federal Register on October 1, 2010 (75 FR 60669). That NPRM proposed to require a detailed inspection for proper sealant of the left and right pylon firewall structures, and corrective actions if necessary.

### **Comments**

We gave the public the opportunity to participate in developing this AD. We received no comments on the NPRM or on the determination of the cost to the public.

### **Conclusion**

We reviewed the relevant data and determined that air safety and the public interest require adopting the AD as proposed—except for minor editorial changes. We have determined that these minor changes:

- Are consistent with the intent that was proposed in the NPRM for correcting the unsafe condition; and
- Do not add any additional burden upon the public than was already proposed in the NPRM.

### **Costs of Compliance**

We estimate that this AD affects 165 airplanes of U.S. registry.

We estimate the following costs to comply with this AD:

| <b>Estimated costs</b> |                                       |                   |                         |                               |
|------------------------|---------------------------------------|-------------------|-------------------------|-------------------------------|
| <b>Action</b>          | <b>Labor cost</b>                     | <b>Parts cost</b> | <b>Cost per product</b> | <b>Cost on U.S. operators</b> |
| Inspection             | 1 work-hour X \$85<br>per hour = \$85 | \$0               | \$85                    | \$14,025                      |

### **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, 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):



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**2011-03-12 Hawker Beechcraft Corporation (Type Certificate Previously Held by Raytheon Aircraft Company; Beech Aircraft Corporation):** Amendment 39-16596; Docket No. FAA-2010-0954; Directorate Identifier 2010-NM-078-AD.

## Effective Date

- (a) This AD is effective March 14, 2011.

## Affected ADs

- (b) None.

## Applicability

(c) This AD applies to Hawker Beechcraft Corporation (Type Certificate previously held by Raytheon Aircraft Company; Beech Aircraft Corporation) airplanes, certificated in any category; as identified in paragraphs (c)(1) and (c)(2) of this AD.

(1) Model 400A airplanes having serial numbers RK-337 through RK-484, RK-486 through RK-570 inclusive, RK-572, RK-573, and RK-575 through RK-577 inclusive.

(2) Model 400T airplane having serial number TX-13.

## Subject

- (d) Air Transport Association (ATA) of America Code 54: Nacelles/Pylons.

## Unsafe Condition

(e) This AD results from reports of missing sealant on the left and right pylon firewall structures. The Federal Aviation Administration is issuing this AD to detect and correct missing sealant on the left and right pylon firewall structures, which, in the event of an engine fire, could result in flames penetrating the seams in the firewall between the engine and the aft fuselage, and a subsequent uncontrolled fire in the aft fuselage.

## Compliance

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

## Inspection and Corrective Action

(g) Within 200 flight hours or 12 months after the effective date of this AD, whichever occurs first: Do a detailed inspection for appropriate coverage of firewall sealant of the left and right pylon firewall structure, as specified in the figures of Hawker Beechcraft Mandatory Service Bulletin SB 54-3946, Revision 2, dated February 2010, and all applicable corrective actions; in accordance with

the Accomplishment Instructions of Hawker Beechcraft Mandatory Service Bulletin SB 54-3946, Revision 2, dated February 2010. Do all applicable corrective actions before further flight.

Note 1: For the purposes of this AD, a detailed inspection is: "An intensive examination of a specific item, installation, or assembly to detect damage, failure, or irregularity. Available lighting is normally supplemented with a direct source of good lighting at an intensity deemed appropriate. Inspection aids such as mirror, magnifying lenses, etc., may be necessary. Surface cleaning and elaborate procedures may be required."

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

(h)(1) The Manager, Wichita Aircraft Certification Office (ACO), FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. Send information to ATTN: Thomas Teplik, Aerospace Engineer, Systems and Propulsion Branch, ACE-116W, FAA, Wichita Aircraft Certification Office (ACO), 1801 Airport Road, Room 100, Mid-Continent Airport, Wichita, Kansas 67209; telephone (316) 946-4196; fax (316) 946-4107.

(2) Before using any approved AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the local flight standards district office/certificate holding district office.

### **Related Information**

(i) For more information about this AD, contact Thomas Teplik, Aerospace Engineer, Systems and Propulsion Branch, ACE-116W, FAA, Wichita Aircraft Certification Office (ACO), 1801 Airport Road, Room 100, Mid-Continent Airport, Wichita, Kansas 67209; phone: (316) 946-4196; fax: (316) 946-4107; e-mail: Thomas.Teplik@faa.gov.

### **Material Incorporated by Reference**

(j) You must use Hawker Beechcraft Mandatory Service Bulletin SB 54-3946, Revision 2, dated February 2010, to do the actions required by this AD, unless the AD specifies otherwise.

(1) The Director of the Federal Register approved the incorporation by reference of Hawker Beechcraft Mandatory Service Bulletin SB 54-3946, Revision 2, dated February 2010, under 5 U.S.C. 552(a) and 1 CFR part 51.

(2) For service information identified in this AD, contact Hawker Beechcraft Corporation, Department 62, P.O. Box 85, Wichita, Kansas 67201-0085; telephone 316-676-8238; fax 316-676-6706; e-mail [tmcdc@hawkerbeechcraft.com](mailto:tmcdc@hawkerbeechcraft.com); Internet [https://www.hawkerbeechcraft.com/service\\_support/pubs](https://www.hawkerbeechcraft.com/service_support/pubs).

(3) You may review copies of the service information at the FAA, Transport Airplane Directorate, 1601 Lind Avenue, SW., Renton, Washington. For information on the availability of this material at the FAA, call 425-227-1221.

(4) You may also review copies of the service information that is incorporated by reference at the National Archives and Records Administration (NARA). For information on the availability of this material at an NARA facility, 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).

Issued in Renton, Washington, on January 25, 2011.

Ali Bahrami,  
Manager, Transport Airplane Directorate,  
Aircraft Certification Service.