

## **DEPARTMENT OF TRANSPORTATION**

### **Federal Aviation Administration**

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

**[Docket No. FAA-2007-28810; Directorate Identifier 2007-NM-104-AD; Amendment 39-15226; AD 2007-21-08]**

**RIN 2120-AA64**

#### **Airworthiness Directives; Hawker Beechcraft Model Hawker 800XP Airplanes**

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

**ACTION:** Final rule.

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**SUMMARY:** The FAA is adopting a new airworthiness directive (AD) for certain Hawker Beechcraft Model Hawker 800XP airplanes. This AD requires doing an inspection of panel DA wiring for clearance and for signs of chafing or exposed conductors, and repairing or replacing the wires and cable ties if necessary. This AD results from reports of wire bundle interference in the DA panel, chafed wire bundles, and exposed conductors. We are issuing this AD to prevent chafing of wire bundles, which could cause an electrical short and consequent loss of several functions essential for safe flight and smoke or fire in the flight compartment and main cabin.

**DATES:** This AD becomes effective November 20, 2007.

The Director of the Federal Register approved the incorporation by reference of a certain publication listed in the AD as of November 20, 2007.

**ADDRESSES:** For service information identified in this AD, contact Hawker Beechcraft Corporation, 9709 East Central, Wichita, Kansas 67206.

#### **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 (telephone 800-647-5527) is the 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:** Philip Petty, Aerospace Engineer, Electrical Systems and Avionics, ACE-119W, FAA, Wichita Aircraft Certification Office, 1801 Airport Road, Room 100, Mid-Continent Airport, Wichita, Kansas 67209; telephone (316) 946-4139; fax (316) 946-4107.

## **SUPPLEMENTARY INFORMATION:**

### **Discussion**

The FAA issued a notice of proposed rulemaking (NPRM) to amend 14 CFR part 39 to include an AD that would apply to certain Hawker Beechcraft Model Hawker 800XP airplanes. That NPRM was published in the Federal Register on July 30, 2007 (72 FR 41465). That NPRM proposed to require doing an inspection of panel DA wiring for clearance and for signs of chafing or exposed conductors, and repairing or replacing the wires and cable ties if necessary.

### **Comments**

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

### **Conclusion**

We have carefully reviewed the available data and determined that air safety and the public interest require adopting the AD as proposed.

### **Costs of Compliance**

There are about 438 airplanes of the affected design in the worldwide fleet. This AD affects about 292 airplanes of U.S. registry. The required inspection takes about 2 work hours per airplane, at an average labor rate of \$80 per work hour. Based on these figures, the estimated cost of this AD for U.S. operators is \$46,720, or \$160 per airplane.

### **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 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); and
- (3) 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.

We prepared a regulatory evaluation of the estimated costs to comply with this AD and placed it in the AD docket. See the ADDRESSES section for a location to examine the regulatory evaluation.

### **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 Federal Aviation Administration (FAA) amends § 39.13 by adding the following new airworthiness directive (AD):



**2007-21-08 Hawker Beechcraft Corporation (formerly Raytheon Aircraft Company):**  
Amendment 39-15226. Docket No. FAA-2007-28810; Directorate Identifier 2007-NM-104-AD.

**Effective Date**

- (a) This AD becomes effective November 20, 2007.

**Affected ADs**

- (b) None.

**Applicability**

- (c) This AD applies to Hawker Beechcraft Model Hawker 800XP airplanes, certificated in any category; as identified in Raytheon Service Bulletin SB 24-3772, dated February 2006.

**Unsafe Condition**

- (d) This AD results from reports of wire bundle interference in the DA panel, chafed wire bundles, and exposed conductors. We are issuing this AD to prevent chafing of wire bundles, which could cause an electrical short and consequent loss of several functions essential for safe flight and smoke or fire in the flight compartment and main cabin.

**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.

**Inspection and Corrective Actions**

- (f) Within 600 flight hours or 12 months after the effective date of this AD, whichever occurs first, do a detailed inspection of panel DA wiring for clearance and for signs of chafing or exposed conductors, in accordance with the Accomplishment Instructions of Raytheon Service Bulletin SB 24-3772, dated February 2006. If any wire is touching the panel, structure, or equipment, or if evidence of chafing or exposed conductors exists, before further flight, repair or replace the wires and cable ties with new ones, in accordance with the service bulletin.

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."

- (g) Although Raytheon Service Bulletin SB 24-3772, dated February 2006, specifies to submit certain information to the manufacturer, this AD does not include that requirement.

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

(h)(1) The Manager, Wichita Aircraft Certification Office, FAA, has the authority to approve AMOCs for this AD, if requested in accordance with the procedures found in 14 CFR 39.19.

(2) To request a different method of compliance or a different compliance time for this AD, follow the procedures in 14 CFR 39.19. Before using any approved AMOC on any airplane to which the AMOC applies, notify your appropriate principal inspector (PI) in the FAA Flight Standards District Office (FSDO), or lacking a PI, your local FSDO.

## **Material Incorporated by Reference**

(i) You must use Raytheon Service Bulletin SB 24-3772, dated February 2006, to perform the actions that are required by this AD, unless the AD specifies otherwise. The Director of the Federal Register approved the incorporation by reference of this document in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Contact Hawker Beechcraft Corporation, 9709 East Central, Wichita, Kansas 67206, for a copy of this service information. You may review copies at the FAA, Transport Airplane Directorate, 1601 Lind Avenue, SW., Renton, Washington; or 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 Renton, Washington, on October 3, 2007.

Ali Bahrami,

Manager, Transport Airplane Directorate, Aircraft Certification Service.

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