

[Federal Register: August 2, 2005 (Volume 70, Number 147)]
[Rules and Regulations]
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[DOCID:fr02au05-9]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

[Docket No. FAA-2005-20111; Directorate Identifier 2004-NM-154-AD; Amendment 39-14207; AD 2005-16-02]

RIN 2120-AA64

Airworthiness Directives; Raytheon Model HS.125 Series 700A Airplanes, Model BAe.125 Series 800A Airplanes, and Model Hawker 800 and Hawker 800XP Airplanes

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

ACTION: Final rule.

SUMMARY: The FAA is adopting a new airworthiness directive (AD) for certain Raytheon Model HS.125 series 700A airplanes, Model BAe.125 series 800A airplanes, and Model Hawker 800 and Hawker 800XP airplanes. This AD requires inspecting to determine the current rating of the circuit breakers of certain cockpit ventilation and avionics cooling system blowers; and replacing the circuit breakers and modifying the blower wiring, as applicable. This AD results from a report indicating that a blower motor seized up and gave off smoke. We are issuing this AD to prevent smoke and fumes in the cockpit in the event that a blower motor seizes and overheats due to excessive current draw.

DATES: Effective September 6, 2005.

The Director of the Federal Register approved the incorporation by reference of a certain publication listed in the AD as of September 6, 2005.

ADDRESSES: You may examine the AD docket on the Internet at <http://dms.dot.gov> or in person at the Docket Management Facility, U.S. Department of Transportation, 400 Seventh Street, SW., Nassif Building, Room PL-401, Washington, DC.

Contact Raytheon Aircraft Company, Department 62, P.O. Box 85, Wichita, Kansas 67201-0085, for service information identified in this AD.

FOR FURTHER INFORMATION CONTACT: Philip Petty, Aerospace Engineer, Electrical Systems Branch, 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:

Examining the Docket

You may examine the AD docket on the Internet at <http://dms.dot.gov> or in person at the Docket Management Facility office between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The Docket Management Facility office (telephone (800) 647-5227) is located on the plaza level of the Nassif Building at the street address stated in the ADDRESSES section.

Discussion

The FAA issued a supplemental notice of proposed rulemaking (NPRM) to amend 14 CFR part 39 to include an AD that would apply to certain Raytheon Model HS.125 series 700A airplanes, Model BAe.125 series 800A airplanes, and Model Hawker 800 and Hawker 800XP airplanes. That supplemental NPRM was published in the Federal Register on May 9, 2005 (70 FR 24341). That supplemental NPRM proposed to require inspecting to determine the current rating of the circuit breakers of certain cockpit ventilation and avionics cooling system blowers; and replacing the circuit breakers and modifying the blower wiring, as applicable.

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 350 airplanes of the affected design in the worldwide fleet. This AD will affect about 250 airplanes of U.S. registry. The required inspection will take about 1 work hour per airplane, at an average labor rate of \$65 per work hour. Based on these figures, the estimated cost of this AD on U.S. operators is \$16,250, or \$65 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):

AIRWORTHINESS DIRECTIVE



Aircraft Certification Service
Washington, DC

U.S. Department
of Transportation
**Federal Aviation
Administration**

We post ADs on the internet at "www.faa.gov"

The following Airworthiness Directive issued by the Federal Aviation Administration in accordance with the provisions of Title 14 of the Code of Federal Regulations (14 CFR) part 39, applies to an aircraft model of which our records indicate you may be the registered owner. Airworthiness Directives affect aviation safety and are regulations which require immediate attention. You are cautioned that no person may operate an aircraft to which an Airworthiness Directive applies, except in accordance with the requirements of the Airworthiness Directive (reference 14 CFR part 39, subpart 39.3).

2005-16-02 Raytheon Aircraft Company: Amendment 39-14207. Docket No. FAA-2005-20111; Directorate Identifier 2004-NM-154-AD.

Effective Date

- (a) This AD becomes effective September 6, 2005.

Affected ADs

- (b) None.

Applicability

(c) This AD applies to Raytheon Model HS.125 series 700A airplanes, BAe.125 series 800A airplanes, and Model Hawker 800 and Hawker 800XP airplanes; certificated in any category; equipped with Brailsford TBL-2.5 blowers; as identified in Raytheon Service Bulletin SB 24-3272, Revision 1, dated October 2000.

Unsafe Condition

(d) This AD results from a report indicating that a cockpit ventilation and avionics cooling system blower motor seized up and gave off smoke. We are issuing this AD to prevent smoke and fumes in the cockpit in the event that a blower motor seizes and overheats due to excessive current draw.

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 6 months after the effective date of this AD, whichever occurs first, inspect to determine the current rating of the circuit breakers of certain cockpit ventilation and avionics cooling system blowers; and, before further flight, replace the circuit breakers and modify the blower wiring, as applicable; by doing all the actions in accordance with the Accomplishment Instructions of Raytheon Service Bulletin SB 24-3272, Revision 1, dated October 2000; except as provided by paragraphs (g) and (h) of this AD.

Contacting the Manufacturer

(g) Where the service bulletin specifies contacting the manufacturer for information if any difficulties are encountered while accomplishing the service bulletin, this AD requires you to contact the Manager, Wichita Aircraft Certification Office (ACO), FAA.

No Reporting Requirement

(h) Although the service bulletin referenced in this AD specifies to submit certain information to the manufacturer, this AD does not include this requirement.

Alternative Methods of Compliance (AMOCs)

(i) The Manager, Wichita ACO, has the authority to approve AMOCs for this AD, if requested in accordance with the procedures found in 14 CFR 39.19.

Material Incorporated by Reference

(j) You must use Raytheon Service Bulletin SB 24-3272, Revision 1, dated October 2000, 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 Raytheon Aircraft Company, Department 62, P.O. Box 85, Wichita, Kansas 67201-0085, for a copy of this service information. You may review copies at the Docket Management Facility, U.S. Department of Transportation, 400 Seventh Street SW., Room PL-401, Nassif Building, Washington, DC; on the Internet at <http://dms.dot.gov>; or at the National Archives and Records Administration (NARA). For information on the availability of this material at the NARA, call (202) 741-6030, or go to http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

Issued in Renton, Washington, on July 21, 2005.

Kevin M. Mullin,

Acting Manager, Transport Airplane Directorate, Aircraft Certification Service.

[FR Doc. 05-15011 Filed 8-1-05; 8:45 am]

BILLING CODE 4910-13-P