

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

[Docket No. 2001-NM-315-AD; Amendment 39-13011; AD 2002-26-22]

RIN 2120-AA64

Airworthiness Directives; Raytheon Model Hawker 800XP Airplanes

AGENCY: Federal Aviation Administration, DOT.

ACTION: Final rule.

SUMMARY: This amendment adopts a new airworthiness directive (AD), applicable to certain Raytheon Model Hawker 800XP airplanes, that requires installing jumper wires on the computer control switches to power the digital electronic engine control when overspeed protection is selected, and tying and stowing the jumper wires on the switches. The actions specified by this AD are intended to prevent loss of the overspeed protection function without the flightcrew's awareness, due to missing jumper wires, which could result in engine overspeed and possible uncommanded engine shutdown. This action is intended to address the identified unsafe condition.

DATES: Effective February 18, 2003.

The incorporation by reference of certain publications listed in the regulations is approved by the Director of the Federal Register as of February 18, 2003.

ADDRESSES: The service information referenced in this AD may be obtained from Raytheon Aircraft Company, Department 62, PO Box 85, Wichita, Kansas 67201-0085. This information may be examined at the Federal Aviation Administration (FAA), Transport Airplane Directorate, Rules Docket, 1601 Lind Avenue, SW., Renton, Washington; at the FAA, Wichita Aircraft Certification Office, 1801 Airport Road, Room 100, Mid-Continent Airport, Wichita, Kansas; or at the Office of the Federal Register, 800 North Capitol Street, NW., suite 700, Washington, DC.

FOR FURTHER INFORMATION CONTACT: Jeff Pretz, Aerospace Engineer, Airframe and Propulsion Branch, ACE-118W, FAA, Wichita Aircraft Certification Office, 1801 Airport Road, Room 100, Mid-Continent Airport, Wichita, Kansas 67209; telephone (316) 946-4153; fax (316) 946-4407.

SUPPLEMENTARY INFORMATION: A proposal to amend part 39 of the Federal Aviation Regulations (14 CFR part 39) to include an airworthiness directive (AD) that is applicable to certain Raytheon Model Hawker 800XP airplanes was published in the Federal Register on September 25, 2002 (67 FR 60191). That action proposed to require installing jumper wires on the computer control switches to power the digital electronic engine control when overspeed protection is selected, and tying and stowing the jumper wires on the switches.

Comments

Interested persons have been afforded an opportunity to participate in the making of this amendment. No comments were submitted in response to the proposal or the FAA's determination of the cost to the public.

Explanation of Editorial Change

We have changed the service bulletin citation throughout this final rule to exclude the Service Bulletin/Kit Drawing Report Fax. (This form is intended to be completed by operators and submitted to the manufacturer to report compliance; however, this AD does not include such a requirement.)

Conclusion

After careful review of the available data, the FAA has determined that air safety and the public interest require the adoption of the rule with the change previously described. The FAA has determined that this change will neither increase the economic burden on any operator nor increase the scope of the AD.

Cost Impact

There are approximately 250 Model 800XP airplanes of the affected design in the worldwide fleet. The FAA estimates that 193 airplanes of U.S. registry will be affected by this AD. It will take approximately 5 work hours per airplane for airplanes with two oxygen bottles, and 6 work hours per airplane for airplanes with three oxygen bottles, to accomplish the required actions, at an average labor rate of \$60 per work hour. The cost of required parts will be nominal. Based on these figures, the cost impact of the AD on U.S. operators is estimated to be \$300 per airplane (for airplanes with two oxygen bottles) or \$360 per airplane (for airplanes with three oxygen bottles).

The cost impact figure discussed above is based on assumptions that no operator has yet accomplished any of the requirements of this AD action, and that no operator would accomplish those actions in the future if this AD were not adopted. The cost impact figures discussed in AD rulemaking actions represent only the time necessary to perform the specific actions actually required by the AD. These figures typically do not include incidental costs, such as the time required to gain access and close up, planning time, or time necessitated by other administrative actions.

Regulatory Impact

The regulations adopted herein 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. Therefore, it is determined that this final rule does not have federalism implications under Executive Order 13132.

For the reasons discussed above, I certify that this action (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. A final evaluation has been prepared for this action and it is contained in the Rules Docket. A copy of it may be obtained from the Rules Docket at the location provided under the caption ADDRESSES.

List of Subjects in 14 CFR Part 39

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

Adoption of the Amendment

Accordingly, pursuant to the authority delegated to me by the Administrator, the Federal Aviation Administration amends part 39 of the Federal Aviation Regulations (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. Section 39.13 is amended by adding the following new airworthiness directive:

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).

2002-26-22 Raytheon Aircraft Company: Amendment 39-13011. Docket 2001-NM-315-AD.

Applicability: Model Hawker 800XP airplanes, as listed in Raytheon Service Bulletin SB 76-3480, dated August 2001, excluding Service Bulletin/Kit Drawing Report Fax; certificated in any category.

Note 1: This AD applies to each airplane identified in the preceding applicability provision, regardless of whether it has been modified, altered, or repaired in the area subject to the requirements of this AD. For airplanes that have been modified, altered, or repaired so that the performance of the requirements of this AD is affected, the owner/operator must request approval for an alternative method of compliance in accordance with paragraph (b) of this AD. The request should include an assessment of the effect of the modification, alteration, or repair on the unsafe condition addressed by this AD; and, if the unsafe condition has not been eliminated, the request should include specific proposed actions to address it.

Compliance: Required as indicated, unless accomplished previously.

To prevent loss of the overspeed protection function without the flightcrew's awareness, due to missing jumper wires, which could result in engine overspeed and possible uncommanded engine shutdown, accomplish the following:

Jumper Wire Installation

(a) Within 3 months or 300 flight hours after the effective date of this AD, whichever occurs first, do the actions specified in paragraphs (a)(1), (a)(2), and (a)(3) of this AD per Raytheon Service Bulletin SB 76-3480, dated August 2001, excluding Service Bulletin/Kit Drawing Report Fax.

(1) Install a four-inch jumper wire between terminals 1 and 3 on the computer control switch "NF."

(2) Install a six-inch jumper wire between terminals 1 and 3 on the computer control switch "NG."

(3) Tie and stow the jumper wires on the computer control switches "NF" and "NG" using tie-wrap.

Alternative Methods of Compliance

(b) An alternative method of compliance or adjustment of the compliance time that provides an acceptable level of safety may be used if approved by the Manager, Wichita Aircraft Certification Office (ACO), FAA. Operators shall submit their requests through an appropriate FAA Principal Maintenance Inspector, who may add comments and then send it to the Manager, Wichita ACO.

Note 2: Information concerning the existence of approved alternative methods of compliance with this AD, if any, may be obtained from the Wichita ACO.

Special Flight Permits

(c) Special flight permits may be issued in accordance with sections 21.197 and 21.199 of the Federal Aviation Regulations (14 CFR 21.197 and 21.199) to operate the airplane to a location where the requirements of this AD can be accomplished.

Incorporation by Reference

(d) The actions shall be done in accordance with Raytheon Service Bulletin SB 76-3480, dated August 2001, excluding Service Bulletin/Kit Drawing Report Fax. This incorporation by reference was approved by the Director of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Copies may be obtained from Raytheon Aircraft Company, Department 62, PO Box 85, Wichita, Kansas 67201-0085. Copies may be inspected at the FAA, Transport Airplane Directorate, 1601 Lind Avenue, SW., Renton, Washington; at the FAA, Wichita Aircraft Certification Office, 1801 Airport Road, Room 100, Mid-Continent Airport, Wichita, Kansas; or at the Office of the Federal Register, 800 North Capitol Street, NW., suite 700, Washington, DC.

Effective Date

(e) This amendment becomes effective on February 18, 2003.

Issued in Renton, Washington, on December 30, 2002.

Kevin Mullin,

Acting Manager, Transport Airplane Directorate, Aircraft Certification Service.

[FR Doc. 03-150 Filed 1-10-03; 8:45 am]

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