

DEPARTMENT OF TRANSPORTATION**Federal Aviation Administration****14 CFR Part 39**

[Docket No. 2001–NM–364–AD]

RIN 2120–AA64

Airworthiness Directives; Dassault Model Falcon 2000 Series Airplanes

AGENCY: Federal Aviation Administration, DOT.

ACTION: Notice of proposed rulemaking (NPRM).

SUMMARY: This document proposes the adoption of a new airworthiness directive (AD) that is applicable to certain Dassault Model Falcon 2000 series airplanes. This proposal would require performing an inspection to determine the serial number on the identification plate on each of the three hydraulic shut-off valve (HSOV) actuators on the left-hand and right-hand hydraulic reservoirs, and replacing an HSOV actuator with a new HSOV actuator, if necessary. This action is necessary to ensure that proper HSOV actuators are installed on the hydraulic fluid reservoirs. In the event of an engine fire, a faulty HSOV, if not corrected, could allow the flow of flammable fluid to the engine nacelle, which could result in an engine nacelle fire that could not be readily extinguished. This action is intended to address the identified unsafe condition.

DATES: Comments must be received by September 23, 2002.

ADDRESSES: Submit comments in triplicate to the Federal Aviation Administration (FAA), Transport Airplane Directorate, ANM–114, Attention: Rules Docket No. 2001–NM–364–AD, 1601 Lind Avenue, SW., Renton, Washington 98055–4056. Comments may be inspected at this location between 9 a.m. and 3 p.m., Monday through Friday, except Federal holidays. Comments may be submitted via fax to (425) 227–1232. Comments may also be sent via the Internet using the following address: *9-anm-nprmcomment@faa.gov*. Comments sent via fax or the Internet must contain “Docket No. 2001–NM–364–AD” in the subject line and need not be submitted in triplicate. Comments sent via the Internet as attached electronic files must be formatted in Microsoft Word 97 for Windows or ASCII text.

The service information referenced in the proposed rule may be obtained from Dassault Falcon Jet, P.O. Box 2000, South Hackensack, New Jersey 07606. This information may be examined at

the FAA, Transport Airplane Directorate, 1601 Lind Avenue, SW., Renton, Washington.

FOR FURTHER INFORMATION CONTACT: Tom Groves, Aerospace Engineer, International Branch, ANM–116, FAA, Transport Airplane Directorate, 1601 Lind Avenue, SW., Renton, Washington 98055–4056; telephone (425) 227–1503; fax (425) 227–1149.

SUPPLEMENTARY INFORMATION:**Comments Invited**

Interested persons are invited to participate in the making of the proposed rule by submitting such written data, views, or arguments as they may desire. Communications shall identify the Rules Docket number and be submitted in triplicate to the address specified above. All communications received on or before the closing date for comments, specified above, will be considered before taking action on the proposed rule. The proposals contained in this action may be changed in light of the comments received.

Submit comments using the following format:

- Organize comments issue-by-issue. For example, discuss a request to change the compliance time and a request to change the service bulletin reference as two separate issues.
- For each issue, state what specific change to the proposed AD is being requested.
- Include justification (*e.g.*, reasons or data) for each request.

Comments are specifically invited on the overall regulatory, economic, environmental, and energy aspects of the proposed rule. All comments submitted will be available, both before and after the closing date for comments, in the Rules Docket for examination by interested persons. A report summarizing each FAA-public contact concerned with the substance of this proposal will be filed in the Rules Docket.

Commenters wishing the FAA to acknowledge receipt of their comments submitted in response to this action must submit a self-addressed, stamped postcard on which the following statement is made: “Comments to Docket Number 2001–NM–364–AD.” The postcard will be date stamped and returned to the commenter.

Availability of NPRMs

Any person may obtain a copy of this NPRM by submitting a request to the FAA, Transport Airplane Directorate, ANM–114, Attention: Rules Docket No. 2001–NM–364–AD, 1601 Lind Avenue, SW., Renton, Washington 98055–4056.

Discussion

The Direction Générale de l’Aviation Civile (DGAC), which is the airworthiness authority for France, notified the FAA that an unsafe condition may exist on certain Dassault Model Falcon 2000 series airplanes. The DGAC advises that it has received reports of a batch of faulty hydraulic shut-off valve (HSOV) actuators that may be installed on the hydraulic reservoirs of certain Model Falcon 2000 series airplanes. The left-hand hydraulic reservoir has two HSOV actuators, and the right-hand hydraulic reservoir has one HSOV actuator. An HSOV actuator is intended to close the HSOV in order to stop the flow of flammable fluid to the engine nacelle in the event of a fire. The faulty HSOV actuators have defective switches and may not close the HSOVs when required. The cause of these faulty HSOV actuators has been attributed to a manufacturing process error during the production of the HSOV actuators. This condition, if not corrected, could allow the flow of flammable fluid to the engine nacelle, which could result in an engine nacelle fire that could not be readily extinguished.

Explanation of Relevant Service Information

Dassault has issued Service Bulletin F2000–A223, dated October 17, 2001, which describes procedures for an inspection to determine the serial number on the identification plate on each of the three HSOV actuators on the left-hand and right-hand hydraulic reservoirs. The service bulletin also describes procedures for replacing an HSOV actuator with a new HSOV actuator (including torquing the screw), if necessary. Accomplishment of the actions specified in the service bulletin is intended to adequately address the identified unsafe condition. The DGAC classified this service bulletin as mandatory and issued French airworthiness directive 2001–497–011(B), dated October 17, 2001, in order to assure the continued airworthiness of these airplanes in France. The French airworthiness directive contains a typographical error in that it references Dassault Service Bulletin “F2000–223” instead of Dassault Service Bulletin F2000–A223.

FAA’s Conclusions

This airplane model is manufactured in France and is type certificated for operation in the United States under the provisions of section 21.29 of the Federal Aviation Regulations (14 CFR 21.29) and the applicable bilateral

airworthiness agreement. Pursuant to this bilateral airworthiness agreement, the DGAC has kept the FAA informed of the situation described above. The FAA has examined the findings of the DGAC, reviewed all available information, and determined that AD action is necessary for products of this type design that are certificated for operation in the United States.

Explanation of Requirements of Proposed Rule

Since an unsafe condition has been identified that is likely to exist or develop on other airplanes of the same type design registered in the United States, the proposed AD would require accomplishment of the actions specified in the Dassault service bulletin described previously.

Cost Impact

The FAA estimates that 87 airplanes of U.S. registry would be affected by this proposed AD, that it would take approximately 2 work hours per airplane to accomplish the proposed actions, and that the average labor rate is \$60 per work hour. Based on these figures, the cost impact of the proposed AD on U.S. operators is estimated to be \$10,440, or \$120 per airplane.

The cost impact figure discussed above is based on assumptions that no operator has yet accomplished any of the proposed requirements of this AD action, and that no operator would accomplish those actions in the future if this proposed 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 proposed herein would 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 proposal would not have federalism implications under Executive Order 13132.

For the reasons discussed above, I certify that this proposed regulation (1) is not a "significant regulatory action" under Executive Order 12866; (2) is not a "significant rule" under the DOT Regulatory Policies and Procedures (44 FR 11034, February 26, 1979); and (3) if promulgated, 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 copy of the draft regulatory evaluation prepared for this action is contained in the Rules Docket. A copy of it may be obtained by contacting the Rules Docket at the location provided under the caption **ADDRESSES**.

List of Subjects in 14 CFR Part 39

Air transportation, Aircraft, Aviation safety, Safety.

The Proposed Amendment

Accordingly, pursuant to the authority delegated to me by the Administrator, the Federal Aviation Administration proposes to amend 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:

Dassault Aviation: Docket 2001–NM–364–AD.

Applicability: Model Falcon 2000 series airplanes, serial numbers 2 through 132, except serial numbers 123, 130, and 131; certificated in any category; excluding those airplanes on which the actions specified in Dassault Service Bulletin F2000–A223, dated October 17, 2001, has been done.

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 (c) 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 an engine nacelle fire that cannot be readily extinguished, accomplish the following:

Inspection

(a) Within 3 months after the effective date of this AD, inspect to determine the serial number on the identification plate on each of the three hydraulic shut-off valve (HSOV) actuators on the left-hand and right-hand

hydraulic reservoirs, per the Accomplishment Instructions of the service bulletin.

Corrective Action

(b) If any serial number specified in paragraph 2.B.(3) of the Accomplishment Instructions of Dassault Service Bulletin F2000–A223, dated October 17, 2001, is found during the inspection required by paragraph (a) of this AD, before further flight, replace the HSOV actuator with a new HSOV actuator (including torquing the screw), per the Accomplishment Instructions of Dassault Service Bulletin F2000–A223, dated October 17, 2001.

Alternative Methods of Compliance

(c) 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, International Branch, ANM–116, Transport Airplane Directorate, FAA. Operators shall submit their requests through an appropriate FAA Principal Maintenance Inspector, who may add comments and then send it to the Manager, International Branch, ANM–116.

Note 2: Information concerning the existence of approved alternative methods of compliance with this AD, if any, may be obtained from the International Branch, ANM–116.

Special Flight Permits

(d) 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.

Note 3: The subject of this AD is addressed in French airworthiness directive 2001–497–011(B), dated October 17, 2001.

Issued in Renton, Washington, on August 19, 2002.

Vi L. Lipski,

Manager, Transport Airplane Directorate, Aircraft Certification Service.

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DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

[Docket No. 2001–NM–277–AD]

RIN 2120–AA64

Airworthiness Directives; McDonnell Douglas Model DC–9–10, DC–9–20, DC–9–30, DC–9–40, and DC–9–50 Series Airplanes

AGENCY: Federal Aviation Administration, DOT.

ACTION: Notice of proposed rulemaking (NPRM).

SUMMARY: This document proposes the adoption of a new airworthiness