



[4910-13-P]

**DEPARTMENT OF TRANSPORTATION**

**Federal Aviation Administration**

**14 CFR Part 39**

**[Docket No. FAA-2018-0706; Product Identifier 2018-NM-086-AD]**

**RIN 2120-AA64**

**Airworthiness Directives; Dassault Aviation Airplanes**

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

**ACTION:** Notice of proposed rulemaking (NPRM).

**SUMMARY:** We propose to adopt a new airworthiness directive (AD) for certain Dassault Aviation Model FAN JET FALCON, and FAN JET FALCON SERIES C, D, E, F, and G airplanes. This proposed AD was prompted by a determination of the need for a revision to the airplane airworthiness limitations to introduce changes to the maintenance requirements and airworthiness limitations. This proposed AD would require revising the maintenance or inspection program, as applicable, to incorporate new airworthiness limitations and maintenance requirements. We are proposing this AD to address the unsafe condition on these products.

**DATES:** We must receive comments on this proposed AD by [INSERT DATE 45 DAYS AFTER DATE OF PUBLICATION IN THE FEDERAL REGISTER].

**ADDRESSES:** You may send comments, using the procedures found in 14 CFR 11.43 and 11.45, by any of the following methods:

- Federal eRulemaking Portal: Go to <http://www.regulations.gov>. Follow the instructions for submitting comments.

- Fax: 202-493-2251.

- Mail: U.S. Department of Transportation, Docket Operations, M-30, West Building Ground Floor, Room W12-140, 1200 New Jersey Avenue SE., Washington, DC 20590.

- Hand Delivery: Deliver to Mail address above between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays.

For service information identified in this NPRM, contact Dassault Falcon Jet Corporation, Teterboro Airport, P.O. Box 2000, South Hackensack, NJ 07606; telephone 201-440-6700; Internet <http://www.dassaultfalcon.com>. You may view this service information at the FAA, Transport Standards Branch, 2200 South 216th St., Des Moines, WA. For information on the availability of this material at the FAA, call 206-231-3195.

### **Examining the AD Docket**

You may examine the AD docket on the Internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2018-0706; or in person at Docket Operations between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The AD docket contains this NPRM, the regulatory evaluation, any comments received, and other information. The street address for Docket Operations (phone: 800-647-5527) is in the ADDRESSES section. Comments will be available in the AD docket shortly after receipt.

**FOR FURTHER INFORMATION CONTACT:** Tom Rodriguez, Aerospace Engineer,

International Section, Transport Standards Branch, FAA, 2200 South 216th St.,  
Des Moines, WA 98198; telephone and fax 206-231-3226.

**SUPPLEMENTARY INFORMATION:**

**Comments Invited**

We invite you to send any written relevant data, views, or arguments about this proposal. Send your comments to an address listed under the ADDRESSES section. Include “Docket No. FAA-2018-0706; Product Identifier 2018-NM-086-AD” at the beginning of your comments. We specifically invite comments on the overall regulatory, economic, environmental, and energy aspects of this NPRM. We will consider all comments received by the closing date and may amend this NPRM because of those comments.

We will post all comments we receive, without change, to <http://www.regulations.gov>, including any personal information you provide. We will also post a report summarizing each substantive verbal contact we receive about this NPRM.

**Discussion**

The European Aviation Safety Agency (EASA), which is the Technical Agent for the Member States of the European Union, has issued EASA AD 2018-0083, dated April 16, 2018 (referred to after this as the Mandatory Continuing Airworthiness Information, or “the MCAI”), to correct an unsafe condition for certain Dassault Aviation Model FAN JET FALCON and FAN JET FALCON SERIES C, D, E, F, and G airplanes. The MCAI states:

The airworthiness limitations and certification maintenance instructions for the Dassault Fan Jet Falcon aeroplanes, which are approved by EASA, are currently defined and published in the Dassault Fan Jet Falcon Aircraft Maintenance Manual (AMM) chapter 5-40. These instructions have been identified as mandatory for continued airworthiness.

Failure to accomplish these instructions could result in an unsafe condition [among other things, fatigue cracking and damage in principal structural elements; such fatigue cracking and damage could result in reduced structural integrity of the airplane].

Consequently, EASA issued AD 2014-0021 [which corresponds to FAA AD 2014-26-07, Amendment 39-18058 (80 FR 2815, January 21, 2015) (“AD 2014-26-07”)] to require accomplishment of the maintenance tasks, and implementation of the airworthiness limitations, as specified in Dassault Fan Jet Falcon AMM chapter 5-40 Revision 15.

Since that [EASA] AD was issued, Dassault issued Revision 17 of the Dassault Fan Jet Falcon AMM chapter 5-40, which introduces new and more restrictive maintenance requirements and/or airworthiness limitations.

For the reason described above, this [EASA] AD retains the requirements of EASA AD 2014-0021, which is superseded, and requires accomplishment of the actions specified in Revision 17 of the Dassault Fan Jet Falcon AMM chapter 5-40, (hereafter referred to as ‘the ALS’ in this [EASA] AD).

You may examine the MCAI in the AD docket on the Internet at

<http://www.regulations.gov> by searching for and locating Docket No. FAA-2018-0706.

### **Relationship Between Proposed AD and AD 2014-26-07**

This NPRM does not propose to supersede AD 2014-26-07. Rather, we have determined that a stand-alone AD would be more appropriate to address the changes in

the MCAI. This proposed AD would require revising the maintenance or inspection program, as applicable, to incorporate new airworthiness limitations and maintenance requirements. Accomplishment of the proposed actions would then terminate all of the requirements of AD 2014-26-07.

### **Related Service Information under 1 CFR part 51**

Dassault has issued Chapter 5-40, Airworthiness Limitations, DGT 131028, Revision 17, dated September 2017, of the Dassault Aviation Falcon 20 Maintenance Manual. This service information includes life limits for certain components, including the engine front mounts and the legs of the nose landing gear and main landing gear. In addition, this service information describes maintenance tasks for, among other systems, the air conditioning system and the passenger/crew door warning system. This service information is reasonably available because the interested parties have access to it through their normal course of business or by the means identified in the ADDRESSES section.

### **FAA's Determination**

This product has been approved by the aviation authority of another country, and is approved for operation in the United States. Pursuant to our bilateral agreement with the State of Design Authority, we have been notified of the unsafe condition described in the MCAI and service information referenced above. We are proposing this AD because we evaluated all the relevant information and determined the unsafe condition described previously is likely to exist or develop on other products of the same type design.

### **Proposed Requirements of this NPRM**

This proposed AD would require revising the maintenance or inspection program, as applicable, to include new airworthiness limitations and maintenance requirements.

This proposed AD would require revisions to certain operator maintenance documents to include new actions (e.g., inspections). Compliance with these actions is required by 14 CFR 91.403(c). For airplanes that have been previously modified, altered, or repaired in the areas addressed by this proposed AD, the operator may not be able to accomplish the actions described in the revisions. In this situation, to comply with 14 CFR 91.403(c), the operator must request approval for an alternative method of compliance according to paragraph (j)(1) of this proposed AD. The request should include a description of changes to the required inspections that will ensure the continued operational safety of the airplane.

### **Differences Between this Proposed AD and the MCAI**

The MCAI specifies that if there are findings from the airworthiness limitations section (ALS) tasks, corrective actions must be accomplished in accordance with Dassault maintenance documentation. However, this proposed AD does not include that requirement. Operators of U.S.-registered airplanes are required by general airworthiness and operational regulations to perform maintenance using methods that are acceptable to the FAA. We consider those methods to be adequate to address any corrective actions necessitated by the findings of ALS inspections required by this proposed AD.

### **Costs of Compliance**

We estimate that this proposed AD affects 168 airplanes of U.S. registry. We estimate the following costs to comply with this proposed AD:

We have determined that revising the maintenance or inspection program takes an average of 90 work-hours per operator, although we recognize that this number may vary from operator to operator. In the past, we have estimated that this action takes 1 work-hour per airplane. Since operators incorporate maintenance or inspection program changes for their affected fleet(s), we have determined that a per-operator estimate is more accurate than a per-airplane estimate. Therefore, we estimate the total cost per operator to be \$7,650 (90 work-hours x \$85 per work-hour).

#### **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.

This proposed AD is issued in accordance with authority delegated by the Executive Director, Aircraft Certification Service, as authorized by FAA Order 8000.51C. In accordance with that order, issuance of ADs is normally a function of the Compliance and Airworthiness Division, but during this transition period, the Executive Director has delegated the authority to issue ADs applicable to transport category airplanes to the Director of the System Oversight Division.

### **Regulatory Findings**

We determined that this proposed AD would not have federalism implications under Executive Order 13132. This proposed AD 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.

For the reasons discussed above, I certify 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);
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.

### **The Proposed Amendment**

Accordingly, under the authority delegated to me by the Administrator, the FAA proposes to amend 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):

**Dassault Aviation:** Docket No. FAA-2018-0706; Product Identifier 2018-NM-086-AD.

**(a) Comments Due Date**

We must receive comments by [INSERT DATE 45 DAYS AFTER DATE OF PUBLICATION IN THE FEDERAL REGISTER].

**(b) Affected ADs**

This AD affects AD 2014-26-07, Amendment 39-18058 (80 FR 2815, January 21, 2015) (“AD 2014-26-07”).

**(c) Applicability**

This AD applies to Dassault Aviation Model FAN JET FALCON, and FAN JET FALCON SERIES C, D, E, F, and G airplanes, certificated in any category, all serial numbers, except those on which the Dassault Fan Jet Falcon Supplemental Structural Inspection Program (Service Bulletin (SB) 730) has been embodied into the airplane’s maintenance program.

**(d) Subject**

Air Transport Association (ATA) of America Code 05, Time Limits and Maintenance Checks.

**(e) Reason**

This AD was prompted by a determination of the need for a revision to the airplane airworthiness limitations to introduce changes to the maintenance requirements and airworthiness limitations. We are issuing this AD to address, among other things, fatigue cracking and damage in principal structural elements; such fatigue cracking and damage could result in reduced structural integrity of the airplane.

**(f) Compliance**

Comply with this AD within the compliance times specified, unless already done.

**(g) Revision of Maintenance or Inspection Program**

Within 90 days after the effective date of this AD, revise the maintenance or inspection program, as applicable, to incorporate the airworthiness limitations specified in Chapter 5-40, Airworthiness Limitations, DGT 131028, Revision 17, dated September 2017, of the Dassault Aviation Falcon 20 Maintenance Manual (MM). The initial compliance time for accomplishing the actions is at the applicable time specified in Chapter 5-40, Airworthiness Limitations, DGT 131028, Revision 17, dated September 2017, of the Dassault Aviation Falcon 20 MM; or within 90 days after the effective date of this AD; whichever occurs later. Where the threshold column in the table in paragraph B, Mandatory Maintenance Operations, of Chapter 5-40, Airworthiness Limitations, DGT 131028, Revision 17, dated September 2017, of the Dassault Aviation Falcon 20 MM specifies a compliance time in years, those compliance times are since the date of

issuance of the original French or European Aviation Safety Agency (EASA) airworthiness certificate or date of issuance of the original French or EASA export certificate of airworthiness.

**(h) No Alternative Actions or Intervals**

After accomplishing the revision required by paragraph (g) of this AD, no alternative actions (e.g., inspections) or intervals may be used unless the actions and intervals are approved as an AMOC in accordance with the procedures specified in paragraph (j)(1) of this AD.

**(i) Terminating Action for AD 2014-26-07**

Accomplishing the actions required by paragraph (g) of this AD terminates all of the requirements of AD 2014-26-07.

**(j) Other FAA AD Provisions**

The following provisions also apply to this AD:

**(1) Alternative Methods of Compliance (AMOCs):** The Manager, International Section, Transport Standards Branch, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. In accordance with 14 CFR 39.19, send your request to your principal inspector or local Flight Standards District Office, as appropriate. If sending information directly to the International Section, send it to the attention of the person identified in paragraph (k)(2) of this AD. Information may be emailed to: 9-ANM-116-AMOC-REQUESTS. 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.

**(2) Contacting the Manufacturer:** For any requirement in this AD to obtain corrective actions from a manufacturer, the action must be accomplished using a method approved by the Manager, International Section, Transport Standards Branch, FAA; or the European Aviation Safety Agency (EASA); or Dassault Aviation's EASA Design Organization Approval (DOA). If approved by the DOA, the approval must include the DOA-authorized signature.

**(k) Related Information**

(1) Refer to Mandatory Continuing Airworthiness Information (MCAI) EASA AD 2018-0083, dated April 16, 2018, for related information. This MCAI may be found in the AD docket on the Internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2018-0706.

(2) For more information about this AD, contact Tom Rodriguez, Aerospace Engineer, International Section, Transport Standards Branch, FAA, 2200 South 216th St., Des Moines, WA 98198; telephone and fax 206-231-3226.

(3) For service information identified in this AD, contact Dassault Falcon Jet Corporation, Teterboro Airport, P.O. Box 2000, South Hackensack, NJ 07606; telephone 201-440-6700; Internet <http://www.dassaultfalcon.com>. You may view this service information at the FAA, Transport Standards Branch, 2200 South 216th St., Des Moines, WA. For information on the availability of this material at the FAA, call 206-231-3195.

Issued in Des Moines, Washington, on July 27, 2018.

James Cashdollar,  
Acting Director,  
System Oversight Division,  
Aircraft Certification Service.

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