

Issued in Renton, Washington, on July 20, 2006.

Ali Bahrami,

Manager, Transport Airplane Directorate,  
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## DEPARTMENT OF TRANSPORTATION

### Federal Aviation Administration

#### 14 CFR Part 39

[Docket No. FAA-2006-24868; Directorate Identifier 2006-NM-103-AD; Amendment 39-14698; AD 2006-15-17]

RIN 2120-AA64

#### Airworthiness Directives; Fokker Model F.28 Mark 0070 and 0100 Airplanes

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

**ACTION:** Final rule.

**SUMMARY:** The FAA is adopting a new airworthiness directive (AD) for all Fokker Model F.28 Mark 0070 and 0100 airplanes. This AD requires modification of the wiring distribution of the alternating current bus transfer power system and the right-hand and left-hand windshield anti-icing system, as necessary. This AD results from a report of electrical sparks coming out of the flight deck from a panel behind the left seat. We are issuing this AD to prevent failure of the sliding window heating element(s), due to electrical overload, which could result in smoke and fire in the cockpit.

**DATES:** This AD becomes effective September 5, 2006.

The Director of the Federal Register approved the incorporation by reference of a certain publication listed in the AD as of September 5, 2006.

**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 Fokker Services B.V., Technical Services Dept., P.O. Box 231, 2150 AE Nieuw-Vennep, the Netherlands, for service information identified in this AD.

**FOR FURTHER INFORMATION CONTACT:** Tom Rodriguez, Aerospace Engineer, International Branch, ANM-116, Transport Airplane Directorate, FAA, 1601 Lind Avenue, SW., Renton, Washington 98057-3356; telephone (425) 227-1137; fax (425) 227-1149.

#### SUPPLEMENTARY INFORMATION:

##### Examining the Docket

You may examine the airworthiness directive (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 notice of proposed rulemaking (NPRM) to amend 14 CFR part 39 to include an AD that would apply to all Fokker Model F.28 Mark 0070 and 0100 airplanes. That NPRM was published in the **Federal Register** on May 25, 2006 (71 FR 30072). That NPRM proposed to require modification of the wiring distribution of the alternating current bus transfer power system and the right-hand and left-hand windshield anti-icing system, as 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

This AD will affect about 10 airplanes of U.S. registry. The required actions will take about 3 work hours per airplane, at an average labor rate of \$80 per work hour. Based on these figures, the estimated cost of the AD for U.S. operators is \$2,400, or \$240 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):

**2006-15-17 Fokker Services B.V.:**  
Amendment 39-14698. Docket No. FAA-2006-24868; Directorate Identifier 2006-NM-103-AD.

##### Effective Date

- (a) This AD becomes effective September 5, 2006.

**Affected ADs**

(b) None.

**Applicability**

(c) This AD applies to all Fokker Model F.28 Mark 0070 and 0100 airplanes, certificated in any category.

**Unsafe Condition**

(d) This AD results from a report of electrical sparks coming out of the flight deck from a panel behind the left seat. We are issuing this AD to prevent failure of the sliding window heating element(s), due to

electrical overload, which could result in smoke and fire in the cockpit.

**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.

**Modification of Wiring Distribution**

(f) Within 36 months after the effective date of this AD, modify the wiring distribution of the alternating current bus transfer power system and the right-hand and

left-hand windshield anti-icing system, by accomplishing all of the actions specified in the Accomplishment Instructions of Fokker Service Bulletin SBF100-30-027, dated May 9, 2005, as applicable; including Fokker Manual Change Notification—Maintenance Documentation MCNM F100-098, dated May 9, 2005, and the drawings listed in Table 1 of this AD. (To conform to certain Office of the Federal Register requirements for incorporating these materials by reference, the table identifies the date of the service bulletin for undated drawings.)

TABLE 1.—DRAWINGS INCLUDED IN FOKKER SERVICE BULLETIN SBF100-30-027

Fokker drawing	Sheet	Issue	Date
W41043 .....	007	H .....	May 9, 2005.
W41043 .....	008	H .....	May 9, 2005.
W41249 .....	006	F .....	May 9, 2005.
W41249 .....	007	F .....	May 9, 2005.
W41249 .....	008	F .....	May 9, 2005.
W41249 .....	009	G .....	May 9, 2005.
W41249 .....	010	G .....	May 9, 2005.

**Alternative Methods of Compliance (AMOCs)**

(g)(1) The Manager, International Branch, ANM-116, Transport Airplane Directorate, FAA, has the authority to approve AMOCs for this AD, if requested in accordance with the procedures found in 14 CFR 39.19.

(2) Before using any AMOC approved in accordance with § 39.19 on any airplane to which the AMOC applies, notify the appropriate principal inspector in the FAA Flight Standards Certificate Holding District Office.

**Related Information**

(h) Dutch airworthiness directive NL-2005-009, dated June 30, 2005, also addresses the subject of this AD.

**Material Incorporated by Reference**

(i) You must use Fokker Service Bulletin SBF100-30-027, dated May 9, 2005; including Fokker Manual Change Notification—Maintenance Documentation MCNM F100-098, dated May 9, 2005; and the Fokker drawings identified in Table 2 of this AD; 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 Fokker Services B.V., Technical Services Dept., P.O. Box 231, 2150 AE Nieuw-Vennep, the Netherlands, 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](http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html).

TABLE 2.—ATTACHED DRAWINGS INCORPORATED BY REFERENCE

Fokker drawing	Sheet	Issue	Date
W41043 .....	007	H .....	May 9, 2005.
W41043 .....	008	H .....	May 9, 2005.
W41249 .....	006	F .....	May 9, 2005.
W41249 .....	007	F .....	May 9, 2005.
W41249 .....	008	F .....	May 9, 2005.
W41249 .....	009	G .....	May 9, 2005.
W41249 .....	010	G .....	May 9, 2005.

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Ali Bahrami,

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Aircraft Certification Service.

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## DEPARTMENT OF TRANSPORTATION

### Federal Aviation Administration

#### 14 CFR Part 39

[Docket No. 2001-NM-387-AD; Amendment 39-14696; AD 2006-15-15]

RIN 2120-AA64

#### Airworthiness Directives; McDonnell Douglas Model DC-9-81 (MD-81), DC-9-82 (MD-82), DC-9-83 (MD-83), DC-9-87 (MD-87), and MD-88 Airplanes

AGENCY: Federal Aviation Administration, DOT.

ACTION: Final rule.

**SUMMARY:** This amendment adopts a new airworthiness directive (AD), applicable to certain McDonnell Douglas airplane models, that requires a one-time inspection for chafing or signs of arcing of the wire bundle for the auxiliary hydraulic pump, and other specified and corrective actions, as applicable. This AD also requires that, for certain airplanes, installation of additional protective sleeving on the upper portion of the auxiliary hydraulic pump wire assembly. This AD results from reports of shorted wires and evidence of arcing on the power cables of the auxiliary hydraulic pump, as well as a fuel system reviews conducted by the manufacturer. We are issuing this AD to prevent shorted wires or arcing at the auxiliary hydraulic pump, which could result in loss of auxiliary hydraulic power, or a fire in the wheel well of the airplane. The actions specified by this AD are also intended to reduce the potential of an ignition source adjacent to the fuel tanks, which, in combination with flammable fuel vapors, could result in a fuel tank explosion and consequent loss of the airplane.

**DATES:** Effective September 5, 2006.

The incorporation by reference of a certain publication listed in the regulations is approved by the Director of the Federal Register as of September 5, 2006.

**ADDRESSES:** The service information referenced in this AD may be obtained from Boeing Commercial Airplanes, Long Beach Division, 3855 Lakewood Boulevard, Long Beach, California 90846, Attention: Data and Service

Management, Dept. C1-L5A (D800-0024). This information may be examined at the FAA, Transport Airplane Directorate, 1601 Lind Avenue, SW., Renton, Washington; or at the FAA, Los Angeles Aircraft Certification Office, 3960 Paramount Boulevard, Lakewood, California.

#### FOR FURTHER INFORMATION CONTACT:

Elvin Wheeler, Aerospace Engineer, Systems and Equipment Branch, ANM-130L, FAA, Los Angeles Aircraft Certification Office, 3960 Paramount Boulevard, Lakewood, California 90712-4137; telephone (562) 627-5344; fax (562) 627-5210.

#### 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 McDonnell Douglas Model DC-9-81 (MD-81), DC-9-82 (MD-82), DC-9-83 (MD-83), DC-9-87 (MD-87), and MD-88 airplanes, was published as a second supplemental notice of proposed rulemaking (NPRM) in the **Federal Register** on March 14, 2006 (71 FR 13050). That action proposed to require a one-time inspection for chafing or signs of arcing of the wire bundle for the auxiliary hydraulic pump, and other specified and corrective actions, as applicable. That action also proposed to require, for certain airplanes, installation of additional protective sleeving on the upper portion of the auxiliary hydraulic pump wire assembly.

#### Comments

We provided the public the opportunity to participate in the development of this AD. No comments have been received on the second supplemental NPRM or on the determination of the cost to the public.

#### Explanation of Changes to the Second Supplemental NPRM

In paragraph (a) of the second supplemental NPRM we inadvertently referred to Configurations 1 through 3 when we should have referred to Configurations 1 through 4. It was our intent that the requirements of paragraph (a) apply to Configurations 1 through 4 airplanes, as described in the referenced Boeing Alert Service Bulletin MD80-29A070, Revision 1, dated July 28, 2005. As described in the preamble of the second supplemental NPRM, we added paragraph (c) to this AD to give credit for actions done before the effective date of this AD in accordance with the original issue of Boeing Alert Service Bulletin MD80-29A070, dated August 3, 2004, except that the

additional requirements of paragraph (b) of this AD must be done on airplanes in Configuration 4, as defined in Boeing Alert Service Bulletin MD80-29A070, Revision 1. Therefore, we have revised paragraph (a) of this AD accordingly. We also have clarified the Cost Impact section of this AD in regard to the airplane configurations.

#### Conclusion

We have carefully reviewed the available data and determined that air safety and the public interest require adopting the AD with the change described previously. We have 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 1,063 airplanes of the affected design in the worldwide fleet. We estimate that 732 airplanes of U.S. registry (i.e., airplane Configurations 1 through 4; we do not know how many airplanes are in Configuration 4) will be affected by this AD, that it will take up to 12 work hours per airplane to accomplish the required inspection and other specified actions, and that the average labor rate is \$65 per work hour. Required parts will cost up to \$524 per airplane. Based on these figures, the cost impact of this AD on U.S. operators is estimated to be up to \$954,528, or up to \$1,304 per airplane.

For airplanes in Configuration 4, as defined in Boeing Alert Service Bulletin MD80-29A070, Revision 1, it will take approximately 2 work hours to accomplish the required additional wiring protection, at an average labor rate of \$65 per work hour. Required parts will cost approximately \$40 per airplane. Based on these figures, the cost impact of this action on an affected airplane is estimated to be \$170 per airplane.

The cost impact figures discussed above are 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 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.