

The authority citation for these special conditions is as follows:

Authority 49 U.S.C. 106(g), 40113, and 44701; 14 CFR 21.16 and 21.17; 14 CFR 11.38 and 11.19.

The Special Conditions

Accordingly, pursuant to the authority delegated to me by the Administrator, the following special conditions are issued as part of the type certification basis for Cessna Aircraft Company, model 525C (CJ4) airplanes.

Cessna Aircraft Company, model 525C (CJ4) Li-ion battery installation.

In lieu of the requirements of 14 CFR part 23, § 23.1353 (a) through (e), Li-ion batteries and battery installations on the Cessna Aircraft Company, model 525C (CJ4) airplane must be designed and installed as follows:

(1) Safe cell temperatures and pressures must be maintained during any probable charging or discharging condition, or during any failure of the charging or battery monitoring system not shown to be extremely remote. The Li-ion battery installation must be designed to preclude explosion or fire in the event of those failures.

(2) Li-ion batteries must be designed to preclude the occurrence of self-sustaining, uncontrolled increases in temperature or pressure.

(3) No explosive or toxic gasses emitted by any Li-ion battery in normal operation or as the result of any failure of the battery charging or monitoring system, or battery installation not shown to be extremely remote, may accumulate in hazardous quantities within the airplane.

(4) Li-ion batteries that contain flammable fluids must comply with the flammable fluid fire protection requirements of 14 CFR part 23, § 23.863(a) through (d).

(5) No corrosive fluids or gasses that may escape from any Li-ion battery may damage surrounding airplane structure or adjacent essential equipment.

(6) Each Li-ion battery installation must have provisions to prevent any hazardous effect on structure or essential systems that may be caused by the maximum amount of heat the battery can generate during a short circuit of the battery or of its individual cells.

(7) Li-ion battery installations must have a system to control the charging rate of the battery automatically, so as to prevent battery overheating or overcharging, and

(i) A battery temperature sensing and over-temperature warning system with a means for automatically disconnecting the battery from its charging source in

the event of an over-temperature condition, or,

(ii) A battery failure sensing and warning system with a means for automatically disconnecting the battery from its charging source in the event of battery failure.

(8) Any Li-ion battery installation whose function is required for safe operation of the airplane, must incorporate a monitoring and warning feature that will provide an indication to the appropriate flight crewmembers, whenever the capacity and SOC of the batteries have fallen below levels considered acceptable for dispatch of the airplane.

(9) The Instructions for Continued Airworthiness (ICAW) must contain recommended manufacturers maintenance and inspection requirements to ensure that batteries, including single cells, meet a safety function level essential to the aircraft's continued airworthiness.

(i) The ICAW must contain operating instructions and equipment limitations in an installation maintenance manual.

(ii) The ICAW must contain installation procedures and limitation in a maintenance manual, sufficient to ensure that cells or batteries, when installed according to the installation procedures, still meet safety functional levels, essential to the aircraft's continued airworthiness. The limitation must identify any unique aspects of the installation.

(iii) The ICAW must contain corrective maintenance procedures to functionally check battery capacity at manufacturers recommended inspection intervals.

(iv) The ICAW must contain scheduled servicing information to replace batteries at manufacturers recommended replacement time.

(v) The ICAW must contain maintenance inspection requirements to visually check for a battery and/or charger degradation.

(10) The ICAW must contain requirements that batteries in a rotating stock (spares) that have experienced degraded charge retention capability or other damage due to prolonged storage must be functionally checked at manufacturers recommended inspection intervals before installation.

(11) The System Safety Assessment process must address the software and complex hardware levels for the sensing, monitoring and warning systems, if these systems contain complex devices. The functional hazard assessment (FHA) for the system is required based on the intended functions described. The criticality of the specific functions will be

determined by the safety assessment process for compliance with 14 CFR part 23, § 23.1309, and Advisory Circular 23.1309-1D contains acceptable means for accomplishing this requirement. For determining the failure condition, the criticality of a function will include the mitigating factors. The failure conditions must address the loss of function and improper operations.

These special conditions are not intended to replace 14 CFR part 23, § 23.1353 in the certification basis of the Cessna Aircraft Company, model 525C (CJ4) airplanes. These special conditions apply only to Li-ion batteries and battery installations. The battery requirements of 14 CFR part 23, § 23.1353 would remain in effect for batteries and battery installations on the Cessna Aircraft Company, model 525C (CJ4) airplane that do not use Li-ion chemistry.

Issued in Kansas City, Missouri, on August 19, 2009.

Kim Smith,

Manager, Small Airplane Directorate, Aircraft Certification Service.

[FR Doc. E9-20726 Filed 8-26-09; 8:45 am]

BILLING CODE 4910-13-P

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

[Docket No. FAA-2007-28035; Directorate Identifier 2006-NM-293-AD; Amendment 39-15998; AD 2009-18-02]

RIN 2120-AA64

Airworthiness Directives; Boeing Model 767 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 Boeing Model 767 airplanes. This AD requires sealing certain fasteners and stiffeners in the fuel tank, changing certain wire bundle clamp configurations on the fuel tank walls, inspecting certain fasteners in the fuel tanks and to determine the method of attachment of the vortex generators, and corrective action if necessary. This AD results from fuel system reviews conducted by the manufacturer. We are issuing this AD to prevent possible ignition sources in the auxiliary fuel tank, main fuel tanks, and surge tanks caused by a wiring short or lightning strike, which could result in fuel tank

explosions and consequent loss of the airplane.

DATES: This AD becomes effective October 1, 2009.

The Director of the Federal Register approved the incorporation by reference of certain publications listed in the AD as of October 1, 2009.

ADDRESSES: For service information identified in this AD, contact Boeing Commercial Airplanes, Attention: Data & Services Management, P.O. Box 3707, MC 2H-65, Seattle, Washington 98124-2207; telephone 206-544-5000, extension 1; fax 206-766-5680; e-mail me.boecom@boeing.com; Internet <https://www.myboeingfleet.com>.

Examining the AD Docket

You may examine the AD docket on the Internet at <http://www.regulations.gov>; or in person at the Docket Management Facility between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The AD docket contains this AD, the regulatory evaluation, any comments received, and other information. The address for the Docket Office (telephone 800-647-5527) is the Document Management Facility, U.S. Department of Transportation, Docket Operations, M-30, West Building Ground Floor, Room W12-140, 1200 New Jersey Avenue, SE., Washington, DC 20590.

FOR FURTHER INFORMATION CONTACT: Douglas Bryant, Aerospace Engineer, Propulsion Branch, ANM-140S, FAA, Seattle Aircraft Certification Office, 1601 Lind Avenue, SW., Renton, Washington 98057-3356; telephone (425) 917-6505; fax (425) 917-6590.

SUPPLEMENTARY INFORMATION:

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 Boeing Model 767 airplanes. That supplemental NPRM was published in the **Federal Register** on October 16, 2008 (73 FR 61378). That supplemental NPRM proposed to require sealing certain fasteners and stiffeners in the fuel tank, changing certain wire bundle clamp configurations on the fuel tank walls, inspecting additional fasteners in the fuel tanks and to determine the method of attachment of the vortex generators, and corrective action if necessary.

Comments

We provided the public the opportunity to participate in the development of this AD. We have considered the comments received on the supplemental NPRM.

Support for the NPRM

Boeing concurs with the contents of the NPRM.

Request for Final Rule To Include Reference to Supplemental Type Certificate (STC) ST01920SE

Delta requests that the final rule include a reference to STC ST01920SE, dated October 15, 2008, which installs winglets on certain Boeing 767 airplanes that have similar fastener sealing requirements in coincidental locations defined in the proposed AD. Delta states that including the specific common areas of the referenced STC in the final

rule would simplify compliance if the STC has already been incorporated, and also preclude de-modification if the STC is incorporated after the AD.

We partially agree with the commenter's statement. The requirements for fasteners that penetrate the fuel tank are the same in both the STC and AD. We disagree with referencing the STC in the AD because there is insufficient information contained in the request to identify the specific areas that are common between the STC and AD. However, the commenter may formally request an approval for an alternative method of compliance, as provided by paragraph (h) of this AD, if the request includes more specific information to enable us to determine whether the proposed method would provide an adequate level of safety.

Conclusion

We have carefully reviewed the available data, including the comments received, and determined that air safety and the public interest require adopting the AD as proposed in the supplemental NPRM.

Costs of Compliance

There are about 925 airplanes of the affected design in the worldwide fleet. The following table provides the estimated costs for U.S. operators to comply with this AD. There are no U.S.-registered airplanes in Group 3 of Boeing Service Bulletin 767-57A0102. The average labor rate is \$80 per work hour.

ESTIMATED COSTS

Boeing Service Bulletin	Group	Work hours	Parts	Cost per airplane	Number of U.S.-registered airplanes	Fleet cost
767-57A0100	1	6	minimal	\$480	341	\$163,680
	2	114	minimal	9,120	21	191,520
	3	1	none	80	17	1,360
767-57A0102	1	246	1,632	21,312	341	7,267,392
	2	874	1,304	71,224	21	1,495,704
	3	24	338	2,258	0	0

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):

2009-18-02 Boeing: Amendment 39-15998. Docket No. FAA-2007-28035; Directorate Identifier 2006-NM-293-AD.

Effective Date

- (a) This AD becomes effective October 1, 2009.

Affected ADs

- (b) None.

Applicability

(c) This AD applies to Model 767-200, -300, -300F, and -400ER series airplanes; certificated in any category; as identified in Boeing Service Bulletin 767-57A0100, Revision 1, dated June 19, 2008; and Boeing Service Bulletin 767-57A0102, Revision 1, dated November 27, 2007.

Unsafe Condition

(d) This AD results from fuel system reviews conducted by the manufacturer. We are issuing this AD to prevent possible ignition sources in the auxiliary fuel tank, main fuel tanks, and surge tanks caused by a wiring short or lightning strike, which could result in fuel tank explosions and consequent loss of the airplane.

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.

Fastener Sealant Application

(f) For airplanes identified in Boeing Service Bulletin 767-57A0100, Revision 1, dated June 19, 2008: Within 60 months after the effective date of this AD, do the actions in paragraphs (f)(1) and (f)(2) of this AD in accordance with the Accomplishment Instructions of Boeing Service Bulletin 767-57A0100, Revision 1, dated June 19, 2008, as applicable.

(1) For Groups 1 and 2 airplanes: Seal the ends of the fasteners on the brackets that hold the vortex generators, and seal the ends of the fasteners on certain stiffeners on the rear spar, as applicable.

(2) For Group 3 airplanes: Do a detailed inspection to determine the method of attachment of the vortex generators and, before further flight, do all applicable specified corrective actions.

Wire Bundle Sleeve and Clamp Installation and Fastener Sealant Application

(g) For airplanes identified in Boeing Service Bulletin 767-57A0102, Revision 1, dated November 27, 2007: Within 60 months after the effective date of this AD, do the actions specified in paragraphs (g)(1), (g)(2),

and (g)(3) of this AD, as applicable, in accordance with the Accomplishment Instructions of Boeing Service Bulletin 767-57A0102, Revision 1, dated November 27, 2007.

(1) Change the wire bundle clamp configurations at specified locations on the fuel tank walls.

(2) Seal the fasteners and certain stiffeners at specified locations in the fuel tank.

(3) Do a detailed inspection of the sealant of the fasteners in the auxiliary tank center bay and rib 28 of the left and right main fuel tanks. Seal any unsealed fasteners before further flight.

Note 1: For the purposes of this AD, a detailed inspection is: "An intensive examination of a specific item, installation, or assembly to detect damage, failure, or irregularity. Available lighting is normally supplemented with a direct source of good lighting at an intensity deemed appropriate. Inspection aids such as mirror, magnifying lenses, etc., may be necessary. Surface cleaning and elaborate procedures may be required."

Alternative Methods of Compliance (AMOCs)

(h)(1) The Manager, Seattle Aircraft Certification Office (ACO), FAA, has the authority to approve AMOCs for this AD, if requested in accordance with the procedures found in 14 CFR 39.19. Send information to ATTN: Douglas Bryant, Aerospace Engineer, Propulsion Branch, ANM-140S, FAA, Seattle Aircraft Certification Office, 1601 Lind Avenue, SW., Renton, Washington 98057-3356; telephone (425) 917-6505; fax (425) 917-6590.

(2) To request a different method of compliance or a different compliance time for this AD, follow the procedures in 14 CFR 39.19. Before using any approved AMOC on any airplane to which the AMOC applies, notify your appropriate principal inspector (PI) in the FAA Flight Standards District Office (FSDO), or lacking a PI, your local FSDO.

Material Incorporated by Reference

(i) You must use the service information contained in Table 1 of this AD to do the actions required by this AD, unless the AD specifies otherwise.

TABLE 1—MATERIAL INCORPORATED BY REFERENCE

Document	Revision	Date
Boeing Service Bulletin 767-57A0102	01	November 27, 2007.
Boeing Service Bulletin 767-57A0100	01	June 19, 2008.

(1) The Director of the Federal Register approved the incorporation by reference of this service information under 5 U.S.C. 552(a) and 1 CFR part 51.

(2) For service information identified in this AD, contact Boeing Commercial Airplanes, Attention: Data & Services Management, P.O. Box 3707, MC 2H-65, Seattle, Washington 98124-2207; telephone 206-544-5000, extension 1; fax 206-766-

5680; e-mail me.boecom@boeing.com; Internet <https://www.myboeingfleet.com>.

(3) You may review copies of the service information at the FAA, Transport Airplane Directorate, 1601 Lind Avenue, SW., Renton, Washington. For information on the availability of this material at the FAA, call 425-227-1221 or 425-227-1152.

(4) You may also review copies of the service information that is incorporated by reference at the National Archives and

Records Administration (NARA). For information on the availability of this material at 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 August 7, 2009.

Stephen P. Boyd,

Acting Manager, Transport Airplane Directorate, Aircraft Certification Service.
[FR Doc. E9-20274 Filed 8-26-09; 8:45 am]
BILLING CODE 4910-13-P

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

[Docket No. FAA-2009-0489; Directorate Identifier 2009-CE-025-AD; Amendment 39-16000; AD 2009-18-04]

RIN 2120-AA64

Airworthiness Directives; Air Tractor, Inc. Models AT-802 and AT-802A Airplanes

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

ACTION: Final rule.

SUMMARY: We are adopting a new airworthiness directive (AD) for certain Air Tractor, Inc. Models AT-802 and AT-802A airplanes. This AD requires installing a rudder-aileron interconnect cable system shield kit and securing any items stowed in the baggage compartment, using tie downs and/or a cargo net until the cable shield kit is installed. We are issuing this AD to prevent jamming of the rudder-aileron interconnect cables by unsecured items

in the baggage compartment, which could result in failure of the rudder-aileron interconnect cable system. This failure could lead to loss of control.

DATES: This AD becomes effective on October 1, 2009.

On October 1, 2009, the Director of the Federal Register approved the incorporation by reference of certain publications listed in this AD.

ADDRESSES: For service information identified in this AD, contact Air Tractor, Inc., P.O. Box 485, Olney, Texas 76374; telephone: (940) 564-5616; facsimile: (940) 564-5612; E-mail: parts@airtractor.com; Internet: <http://www.airtractor.com>.

To view the AD docket, go to U.S. Department of Transportation, Docket Operations, M-30, West Building Ground Floor, Room W12-140, 1200 New Jersey Avenue, SE., Washington, DC 20590, or on the Internet at <http://www.regulations.gov>. The docket number is FAA-2009-0489; Directorate Identifier 2009-CE-025-AD.

FOR FURTHER INFORMATION CONTACT: Andy McAnaul, Aerospace Engineer, 10100 Reunion Pl., Ste. 650, San Antonio, Texas 78216; telephone: (210) 308-3365; fax: (210) 308-3370.

SUPPLEMENTARY INFORMATION:

Discussion

On May 20, 2009, we issued a proposal to amend part 39 of the Federal Aviation Regulations (14 CFR part 39) to include an AD that would apply to certain Models AT-802 and AT-802A

airplanes. This proposal was published in the **Federal Register** as a notice of proposed rulemaking (NPRM) on May 29, 2009 (74 FR 25684). The NPRM proposed to require installing a rudder-aileron interconnect cable system shield kit and securing any items stowed in the baggage compartment, using tie downs and/or a cargo net until the cable shield kit is installed.

Comments

We provided the public the opportunity to participate in developing this AD. We received no comments on the proposal 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 except for minor editorial corrections. We have determined that these minor corrections:

- Are consistent with the intent that was proposed in the NPRM for correcting the unsafe condition; and
- Do not add any additional burden upon the public than was already proposed in the NPRM.

Costs of Compliance

We estimate that this AD affects 210 airplanes in the U.S. registry.

We estimate the following costs to do the modification:

Labor cost	Parts cost	Total cost per airplane	Total cost on U.S. operators
Cable Shield Kit SL#274: 4.5 work-hours × \$80 per hour = \$360	\$860	affects 170 airplanes at \$1,220 each ...	\$207,400
Cable Shield Kit SL#274-2: 4.5 work-hours × \$80 per hour = \$360	540	affects 40 airplanes at \$900 each	36,000

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 AD.

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 the 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 summary of the costs to comply with this AD (and other information as included in the Regulatory Evaluation) and placed it in the AD Docket. You may get a copy of this summary by sending a request to us at the address listed under **ADDRESSES**. Include "Docket No. FAA-2009-0489; Directorate Identifier 2009-CE-025-AD" in your request.

List of Subjects in 14 CFR Part 39

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