

Datum der Bekanntgabe: 22.12.2005

<p>Muster: Cessna CESSNA 401 CESSNA 404 CESSNA 441</p>	<p>AD der ausländischen Behörde: FAA AD 2005-20-25 Amdt. 39-14321</p>
<p>Geräte-Nr.: 2032, 2032a, 2032b, 2054, 2058</p>	<p>Technische Mitteilungen des Herstellers: Cessna Conquest Service Bulletin CQB05-2 vom 21.02.2005 Cessna Multi-engine Service Bulletin MEB05-1 vom 21.02.2005</p>

Betroffenes Luftfahrtgerät:

Cessna
CESSNA 401, CESSNA 404, CESSNA 441

- **Baureihen:** Cessna 401, 401A, 401B, 402, 402A, 402B, 402C, 404, 411, 411A, 414, 414A, 421, 421A, 421B, 421C, 425 und 441
- **Werk-Nrn.:** Alle nachfolgend aufgeführten Flugzeuge, die mit den zutreffenden Avionik-Schutzschaltern (Avionik Bus Circuit Breaker Switch) der Part-Nummer (P/N) CM3589-50, 593-250-101, 593-250-102, W31-X2M5A-50 oder W31-X1000-50 ausgerüstet sind:

MUSTER / BAUREIHE	WERKNUMMERN
Cessna 401	655 und 401-0001 bis 401-0322
Cessna 401A	655 und 401A0001 bis 401A0132
Cessna 401B	401B0001 bis 401B0221
Cessna 402	402-0001 bis 402-0322
Cessna 402A	402A0001 bis 402A0129
Cessna 402B	402B0001 bis 402B0122, 402B0201 bis 402B0249, 402B0301 bis 402B0455, 402B0501 bis 402B0640, 402B0801 bis 402B0935, 402B1001 bis 402B1100, 402B1201 bis 402B1250 und 402B1301 bis 402B1384
Cessna 402C	689, 402C0001 bis 402C0125, 402C0201 bis 402C0355, 402C0401 bis 402C0528, 402C0601 bis 402C0653, 402C0801 bis 402C0807 und 402C0808 bis 402C1020
Cessna 404	682, 404-0001 bis 404-0136, 404-0201 bis 404-0246, 404-0401 bis 404-0460, 404-0601 bis 404-0695 und 404-0801 bis 404-0859
Cessna 411	642 und 411-0001 bis 411-0250
Cessna 411A	411-0251 bis 411-0300
Cessna 414	667, 414-0001 bis 414-0099, 414-0151 bis 414-0175, 414-0251 bis 414-0280, 414-0351 bis 414-0437, 414-0451 bis 414-0550, 414-0601 bis 414-0655, 414-0801 bis 414-0855 und 414-0901 bis 414-0965

MUSTER / BAUREIHE	WERKNUMMERN
Cessna 414A	414A0001 bis 414A0121, 414A0201 bis 414A0340, 414A0401 bis 414A0535, 414A0601 bis 414A0680, 414A0801 bis 414A0858 und 414A1001 bis 414A1212
Cessna 421	693 und 421-0001 bis 421-0200
Cessna 421A	421A0001 bis 421A0158
Cessna 421B	421B0001 bis 421B0056, 421B0101 bis 421B0147, 421B0201 bis 421B0275, 421B0301 bis 421B0486, 421B0501 bis 421B0665 und 421B0801 bis 421B0970
Cessna 421C	421C0001 bis 421C0171, 421C0201 bis 421C0350, 421C0401 bis 421C0525, 421C0601 bis 421C0715, 421C0801 bis 421C0910, 421C1001 bis 421C1115, 421C1201 bis 421C1257, 421C1401 bis 421C1413 und 421C1801 bis 421C1807
Cessna 425	425-0001 bis 425-0236
Cessna 441	698 und 441-0001 bis 441-0362

Betrifft:

STROMVERSORGUNG (ATA: 24): Schutzschalter zur Absicherung des Avionikstromkreises

Maßnahmen:

Detaillierte Informationen über die durchzuführenden Maßnahmen sind der oben genannten FAA Airworthiness Directive (AD) und den genannten technischen Mitteilungen des Herstellers zu entnehmen. Alle erforderlichen Maßnahmen zur Abstellung des technischen Mangels müssen ordnungsgemäß, vollständig und innerhalb der vorgesehenen Fristen auf Basis der genannten Bezugsdokumente durchgeführt werden. Alle Abweichungen von den Maßnahmen und Fristen dieser Lufttüchtigkeitsanweisung bedürfen der vorherigen Zustimmung durch das Luftfahrt-Bundesamt.

Fristen:

Alle anzuwendenden Fristen sind der oben genannten FAA Airworthiness Directive (AD) zu entnehmen. Die Laufzeit aller anzuwendenden Fristen beginnt mit dem Datum der Inkraftsetzung der genannten FAA Airworthiness Directive (AD).

Diese Lufttüchtigkeitsanweisung entspricht hinsichtlich der durchzuführenden Maßnahmen und Fristen der FAA AD 2005-20-25 Amdt. 39-14321

Durch die vorgenannten Mängel ist die Lufttüchtigkeit des Luftfahrtgerätes derart beeinträchtigt, daß es nach Ablauf der genannten Fristen nur in Betrieb genommen werden darf, wenn die angeordneten Maßnahmen ordnungsgemäß durchgeführt worden sind. Im Interesse der Sicherheit des Luftverkehrs, das in diesem Fall das Interesse des Adressaten am Aufschub der angeordneten Maßnahmen überwiegt, ist es erforderlich, die sofortige Vollziehung dieser LTA anzuordnen.

Rechtsbehelfsbelehrung:

Gegen diese Verfügung kann innerhalb eines Monats nach Bekanntgabe Widerspruch eingelegt werden. Der Widerspruch ist schriftlich oder zur Niederschrift beim Luftfahrt-Bundesamt, Hermann-Blenk-Str. 26, 38108 Braunschweig einzulegen.

LTA's werden auch im Internet unter <http://www.lba.de> publiziert
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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/aircraft/safety/alerts/

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).

2005-20-25 The Cessna Aircraft Company: Amendment 39-14321; Docket No. FAA-2005-21173; Directorate Identifier 2005-CE-22-AD.

When Does This AD Become Effective?

- (a) This AD becomes effective on November 9, 2005.

What Other ADs Are Affected By This Action?

- (b) None.

What Airplanes Are Affected by This AD?

- (c) This AD affects the following airplane models and serial numbers that are:

- (1) Equipped with an avionics bus circuit breaker switch, part number (P/N) CM3589-50, 593-250-101, 593-250-102, W31-X2M5A-50, or W31-X1000-50; and
(2) certificated in any category:

Model	Serial numbers
401	655 and 401-0001 through 401-0322.
401A	655 and 401A0001 through 401A0132.
401B	401B0001 through 401B0221.
402	402-0001 through 402-0322.
402A	402A0001 through 402A0129.
402B	402B0001 through 402B0122, 402B0201 through 402B0249, 402B0301 through 402B0455, 402B0501 through 402B0640, 402B0801 through 402B0935, 402B1001 through 402B1100, 402B1201 through 402B1250, and 402B1301 through 402B1384.
402C	689, 402C0001 through 402C0125, 402C0201 through 402C0355, 402C0401 through 402C0528, 402C0601 through 402C0653, 402C0801 through 402C0807, and 402C0808 through 402C1020.
404	682, 404-0001 through 404-0136, 404-0201 through 404-0246, 404-0401 through 404-0460, 404-0601 through 404-0695, and 404-0801 through 404-0859.
411	642 and 411-0001 through 411-0250.
411A	411-0251 through 411-0300.
414	667, 414-0001 through 414-0099, 414-0151 through 414-0175, 414-0251 through 414-0280, 414-0351 through 414-0437, 414-0451 through 414-0550, 414-0601 through 414-0655, 414-0801 through 414-0855, and 414-0901 through 414-0965.

Model	Serial numbers
414A	414A0001 through 414A0121, 414A0201 through 414A0340, 414A0401 through 414A0535, 414A0601 through 414A0680, 414A0801 through 414A0858, and 414A1001 through 414A1212.
421	693 and 421-0001 through 421-0200.
421A	421A0001 through 421A0158.
421B	421B0001 through 421B0056, 421B0101 through 421B0147, 421B0201 through 421B0275, 421B0301 through 421B0486, 421B0501 through 421B0665, and 421B0801 through 421B0970.
421C	421C0001 through 421C0171, 421C0201 through 421C0350, 421C0401 through 421C0525, 421C0601 through 421C0715, 421C0801 through 421C0910, 421C1001 through 421C1115, 421C1201 through 421C1257, 421C1401 through 421C1413, and 421C1801 through 421C1807.
425	425-0001 through 425-0236.
441	698 and 441-0001 through 441-0362.

What is the Unsafe Condition Presented in This AD?

(d) This AD is the result of reports of smoke and a burning smell in the cockpit. The actions specified in this AD are intended to prevent failure of the avionics bus circuit breaker switch, which could result in smoke and a burning smell in the cockpit. This failure could lead to reduced ability to control the airplane.

What Must I do to Address This Problem?

(e) To address this problem, you must do the following:

Actions	Compliance	Procedures
(1) Inspect the avionics bus circuit breaker switch to determine the part number (P/N) and date code. (i) If the P/N is CM3589-50, 593-250-101, 593-250-102, W31-X2M5A-50, or W31-X1000-50; and (ii) The date code is 0434 or later; then (iii) No further action is required.	Within the next 200 hours time-in-service (TIS), the next 12 months, or at the next scheduled inspection, after November 9, 2005 (the effective date of this AD), whichever occurs first.	<i>For Models 425 and 441 airplanes,</i> follow the procedures in Cessna Conquest Service Bulletin CQB05-2, dated February 21, 2005, and the applicable maintenance manual. <i>For all other affected airplane models,</i> follow the procedures in Cessna Multi-engine Service Bulletin MEB05-1 dated February 21, 2005, and the applicable maintenance manual.
(2) If the P/N is CM3589-50, 593-250-101, 593-250-102, W31-X2M5A-50, or W31-X1000-50 and there is no date code, replace the avionics bus circuit breaker switch with a P/N CM3589-50 that has a date code of 0434 or later.	Before further flight after the inspection required in paragraph (e)(1) of this AD.	<i>For Models 425 and 441 airplanes,</i> follow the procedures in Cessna Conquest Service Bulletin CQB05-2, dated February 21, 2005, and the applicable maintenance manual. <i>For all other affected airplane models,</i> follow the procedures in Cessna Multi-engine Service Bulletin MEB05-1, dated February 21, 2005, and the applicable maintenance manual.

Actions	Compliance	Procedures
(3) If the P/N is CM3589-50, 593-250-101, 593-250-102, W31-X2M5A-50, or W31-X1000-50, or W31-X1000-50 and the date code is earlier than 0434, the part has a safe life limit of 1,000 hours TIS and must be replaced within the 1,000-hour time limit with a P/N CM3589-50 that has a date code of 0434 or later.	Within the 1,000-hour TIS safe life limit	<i>For Models 425 and 441 airplanes,</i> follow the procedures in Cessna Conquest Service Bulletin CQB05-2, dated February 21, 2005, and the applicable maintenance manual. <i>For all other affected airplane models,</i> follow the procedures in Cessna Multi-engine Service Bulletin MEB05-1, dated February 21, 2005, and the applicable maintenance manual.
(4) Do not install a P/N CM3589-50, 593-250-101, 593-250-102, W31-X2M5A-50, or W31-X1000-50 that does not have a date code or has a date code earlier than 0434.	As of November 9, 2005 (the effective date of this AD).	Not applicable.

May I Request an Alternative Method of Compliance?

(f) You may request a different method of compliance or a different compliance time for this AD by following the procedures in 14 CFR 39.19. Unless FAA authorizes otherwise, send your request to your principal inspector. The principal inspector may add comments and will send your request to the Manager, Wichita Aircraft Certification Office (ACO), FAA. For information on any already approved alternative methods of compliance, contact Gerald Pilj, Aerospace Engineer, FAA Wichita ACO, 1801 Airport Road, Mid-Continent Airport, Wichita, Kansas 67209; telephone: (316) 946-4151; facsimile: (316) 946-4107.

Does This AD Incorporate Any Material by Reference?

(g) You must do the actions required by this AD following the instructions in Cessna Conquest Service Bulletin CQB05-2, dated February 21, 2005, and Cessna Multi-engine Service Bulletin MEB05-1, dated February 21, 2005. The Director of the Federal Register approved the incorporation by reference of this service bulletin in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. To get a copy of this service information, contact The Cessna Aircraft Company, Citation Marketing Division, Product Support P.O. Box 7706, Wichita, Kansas 67277; telephone: (316) 517-5800; facsimile: (316) 942-9006. To review copies of this service information, go to the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, go to: http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html or call (202) 741-6030. To view the AD docket, go to the Docket Management Facility; U.S. Department of Transportation, 400 Seventh Street, SW., Nassif Building, Room PL-401, Washington, DC 20590-001 or on the Internet at <http://dms.dot.gov>. The docket number is FAA-2005-21173; Directorate Identifier 2005-CE-22-AD.

Issued in Kansas City, Missouri, on September 28, 2005.

David R. Showers,
Acting Manager, Small Airplane Directorate, Aircraft Certification Service.
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