

WPR22FA151

OPERATIONAL FACTORS

Specialist's Factual Report - Attachment 4

Airplane Information

July 23, 2022

FAA REGISTRY

N-Number Inquiry Results

N-NUMBER ENTERED: 928JP

AIRCRAFT DESCRIPTION

Serial Number	208B2428	Status	Valid
Manufacturer Name	CESSNA	Certificate Issue Date	07/26/2017
Model	208B	Expiration Date	07/31/2023
Type Aircraft	Fixed Wing Single-Engine	Type Engine	Turbo-prop
Pending Number Change	None	Dealer	No
Date Change Authorized	None	Mode S Code (base 8 / Oct)	53156270
MFR Year	2013	Mode S Code (Base 16 / Hex)	ACDCB8
Type Registration	Corporation	Fractional Owner	NO

REGISTERED OWNER

Name	SPIRIT AIR INC		
Street			
City	SALMON	State	IDAHO
County	LEMHI	Zip Code	83467-5163
Country	UNITED STATES		

AIRWORTHINESS

Type Certificate Data Sheet	None	Type Certificate Holder	None
Engine Manufacturer	P&W CANADA	Classification	Standard
Engine Model	PT6A-114A	Category	Normal
A/W Date	01/29/2016	Exception Code	No

The information contained in this record should be the most current Airworthiness information available in the historical aircraft record. However, this data alone does not provide the basis for a determination regarding the

airworthiness of an aircraft or the current aircraft configuration. For specific information, you may request a copy of the aircraft record at <http://aircraft.faa.gov/e.gov/ND/>

OTHER OWNER NAMES

None

TEMPORARY CERTIFICATES

None

FUEL MODIFICATIONS

None

DEREGISTERED AIRCRAFT

None



Airframe Make & Model
CESSNA 208B

WO#

Date
25-Mar-2022

Airframe Serial Number
208B2428

Work Performed By

Airframe Hours
5116.90

Operator
Gem Air, LLC

Airframe Landings
4497

— Performed the Following Scheduled Items

01. 5 - GDL-69A ICA - Annual Visual Inspection - Work Description: Performed the annual inspection requirements for the DDL-69A, no defects were noted during the visual inspection - Reference Garmin Document # 190-00355-00 Rev F or later version (Section 4.3) Next Due - 31-MAR-2023
02. 5 - GTX-345 ADSB - ICA - Annual Visual inspection of the equipment - Work Description: Performed the annual inspection of the GTX-345 ADSB ICA, no discrepancies were noted during this visual inspection - Reference Garmin Document # 190-00734-11 Rev. 6 September 2017 or later version (Section 4.4) Next Due - 31-MAR-2023
03. 5 - INSPECTION DOCUMENT 0A - Annual Inspection - Work Description: Complied with the Annual Inspection in reference with C208MM Inspection Document 0A - Reference attached sheets Next Due - 31-MAR-2023
04. 5 - Portable Fire Extinguisher NFPA-10 Check - Work Description: Removed fire extinguisher from aircraft, performed the monthly inspection of the portable fire extinguisher IAW AMEREX Service Manual 05604 and NFPA #10 monthly inspection standards. Found weight to be within the recommended value listed on the extinguisher label, all physical attributes of the extinguisher appear to be in working order, gauge indicates in green arc. Reinstalled extinguisher into bracket on aircraft. No defects noted. Next Due - 25-APR-2022
05. 5 15-01 - INSPECTION DOCUMENT 01 - Work Description: Complied with Inspection document 01 - see attached sheets for documentation, discrepancies and corrective actions noted during the inspection. Next Due - 25-MAR-2023
06. 5 15-02 - INSPECTION DOCUMENT 02 - Work Description: Complied with Inspection Document 02 by following the C208B MM 05-15-02 task card - see attached sheets for documentation Next Due - 25-MAR-2024
07. 5 15-08 - INSPECTION DOCUMENT 08 - Work Description: Complied with Inspection document 08 - see attached sheets for documentation, discrepancies and corrective actions noted during the inspection. Next Due - 25-MAR-2024 H: 5516.90
08. 5 15-09 - INSPECTION DOCUMENT 09 - Work Description: Complied with Inspection Document 09. See Discrepancy Sheet for any faults and corrective action taken. Next Due - 25-MAR-2023 H: 5916.90
09. 5 15-0A - INSPECTION DOCUMENT 0A - 100 HOUR - Work Description: Performed 100 hour inspection in reference with Part 43 Appendix D of Title 14 and the Cessna Model 208B Maintenance Manual 05-20-00-750. Found all AD's to be in compliance at this time - See attached sheets for documentation, discrepancies and corrective actions Next Due - H: 5216.90
10. 5 15-11 - INSPECTION DOCUMENT 11 - Work Description: Complied with Inspection Document 11 by following the C208B MM 05-15-11 task card - see attached sheets for documentation Next Due - 25-MAR-2024 H: 6716.90
11. 5 15-20 - INSPECTION DOCUMENT 20 - 14 CFR 91.207 - Work Description: Complied with Inspection Document 20 and performed the ARTEX ME 406 Emergency Locator Transmitter Functional Check to the satisfaction of CFR 91.207(d). Operational check good, no defects noted Next Due - 25-MAR-2023
12. 5 7005 - NO. 1 ENGINE - MINOR INSPECTION - Work Description: Performed 100 hour inspection in reference with part 43 Appendix D of Title 14 and the Cessna 208B Maintenance Manual 05-20-00-750 along with PW PT6A-114A MM 72-00-00 Engine Minor inspection/routine. Oil Filter, P3 Filter and Fuel Filter due at 5539.6 Performed Engine Run - No Leaks noted - Operation check normal Next Due - H: 5216.90
13. 25 B256003 - ARTEX ME406 EMERGENCY LOCATOR TRANSMITTER (ELT) FUNCTIONAL CHECK TASK 25-60-00-721 (INSPECTION DOCUMENT 20) - Work Description: Removed ARTEX ME406 ELT and performed functional check task 25-60-00-721, found ELT to operate normally, g-switch activation normal, reinstalled ELT into original location -- Op Check good CW 91.207 D Next Due - 25-MAR-2023
14. 27 00-01 - INSPECTION OF THE FLAP BELL CRANK (P/N 2622281-2, -12) - Work Description: Complied with INSPECTION OF THE FLAP BELL CRANK (P/N 2622281-2, -12) as required. No defects noted. Next Due - L: 4997
15. 27 00-01 - INSPECTION OF THE FLAP BELL CRANK (P/N 2692001-2) - Work Description: Complied with INSPECTION OF THE FLAP BELL CRANK (P/N 2692001-2). No defects noted. Next Due - L: 4997
16. 61 0040 - NO. 1 PROPELLER - INSPECTION PROPELLER - Work Description: Performed 100 hour inspection in reference with Part 43 Appendix D of Title 14 and the Cessna Model 208B Maintenance Manual 05-20-00-750 and Hartzell Maintenance Manual Supplement Document NO. 208-3BP -MMS - Performed operational runs and cycled propeller through all angles, no defects noted, op ck good Next Due - 25-MAR-2023 H: 5216.90
17. 72 0006 - NO. 1 ENGINE - CHECK MAGNETIC CHIP DETECTORS - Work Description: Removed chip detectors, cleaned, inspected and performed continuity check per PW Maintenance Manual 79-20-02, and reinstalled chip detectors. Performed engine runs to verify no leaks - found to be satisfactory at this time Next Due - H: 5216.90
18. 72 0013 - NO. 1 ENGINE - CLEAN OR REPLACE FILTER ON PNEUMATIC SYSTEM - Work Description: Removed, cleaned and reinstalled the air filter on the pneumatic system in reference with C208B MM 36-10-01 Next Due - H: 5216.90
19. 72 0014 - NO. 1 ENGINE - CLEAN AND INSPECTION P3 FILTER DRAIN HOUSING ASSEMBLY (POST SB 1495) - Work Description: Removed P3 filter housing, cleaned, inspected and re-installed P3 filter - no defects were noted during this inspection. Next Due - H: 5216.90
20. 72 1001 - ENGINE TREND MONITORING Next Due - 24-APR-2022
21. 79 7001 - NO.1 ENGINE OIL ANALYSIS - Work Description: Complied with oil analysis by taking a sample from the engine oil reservoir and sending it to AvLab for analysis Next Due - H: 5216.90

— Performed the Following Component Changes

22. 37 11-02 - VACUUM SYSTEM CENTRAL AIR FILTER DISCARD - Work Description: Removed Vacuum System Central Air Filter and Installed New filter in its location Exp / Due Date: 04-Jul-2022 Next Due - 04-JUL-2022 H: 5516.90

PN Off	SN Off	PN On	SN On	Removal Reason	Inst. Part Status	Exp / Due Date	MSN	TSN	LSN
AAD9-18-1	na	AAD9-18-1	na	[S] Scheduled	[N] New	04-Jul-2022	6	400.00	-
23. 37 11-03 - VACUUM RELIEF VALVE FILTER DISCARD - Work Description: Removed Vacuum relief filter and discarded, installed new filter in its location Exp / Due Date: 31-Aug-2022 Next Due - 31-AUG-2022 H: 5516.90

PN Off	SN Off	PN On	SN On	Removal Reason	Inst. Part Status	Exp / Due Date	MSN	TSN	LSN
B3-5-1	NA	B3-5-1	NA	[S] Scheduled	[N] New	31-Aug-2022	12	400.00	-

N928JP

Airframe Logbook Entry

87 - 2/2

Version: 1

I Certify that This Aircraft has been Inspected IAW Cessna Caravan Progressive Inspection Program And Found To Be In Airworthy Condition And Returned To Service For Work Performed

Inspector

License / Cert #

Signature

Date

TIMOTHY DINGLER ASP/IA

A031088

[Redacted Signature]

3.25.22

Engine Make & Model
PT6A-114A

WO#

Date
25-Mar-2022Engine Serial Number
PCE-PC2051

Work Performed By

Engine Hours
5116.90Operator
Gem Air, LLCEngine Cycles
4497.00

— Performed the Following Scheduled Items —

01. 5 - INSPECTION DOCUMENT 0A - Annual Inspection - Work Description: Complied with the Annual Inspection in reference with C208MM Inspection Document 0A - Reference attached sheets Next Due - 31-MAR-2023
02. 5 15-01 - INSPECTION DOCUMENT 01 - Work Description: Complied with Inspection document 01 - see attached sheets for documentation, discrepancies and corrective actions noted during the inspection. Next Due - 25-MAR-2023
03. 5 15-02 - INSPECTION DOCUMENT 02 - Work Description: Complied with Inspection Document 02 by following the C208B MM 05-15-02 task card - see attached sheets for documentation Next Due - 25-MAR-2024
04. 5 15-0A - INSPECTION DOCUMENT 0A - 100 HOUR - Work Description: Performed 100 hour inspection in reference with Part 43 Appendix D of Title 14 and the Cessna Model 208B Maintenance Manual 05-20-00-750. Found all AD's to be in compliance at this time - See attached sheets for documentation, discrepancies and corrective actions Next Due - H: 5216.90
05. 5 7005 - NO. 1 ENGINE - MINOR INSPECTION - Work Description: Performed 100 hour inspection in reference with part 43 Appendix D of Title 14 and the Cessna 208B Maintenance Manual 05-20-00-750 along with PW PT6A-114A MM 72-00-00 Engine Minor inspection/routine. Oil Filter, P3 Filter and Fuel Filter due at 5539.6 Performed Engine Run - No Leaks noted - Operation check normal Next Due - H: 5216.90
06. 61 0040 - NO. 1 PROPELLER - INSPECTION PROPELLER - Work Description: Performed 100 hour inspection in reference with Part 43 Appendix D of Title 14 and the Cessna Model 208B Maintenance Manual 05-20-00-750 and Hartzell Maintenance Manual Supplement Document NO. 208-3BP -MMS - Performed operational runs and cycled propeller through all angles, no defects noted, op ck good Next Due - 25-MAR-2023 H: 5216.90
07. 72 0006 - NO. 1 ENGINE - CHECK MAGNETIC CHIP DETECTORS - Work Description: Removed chip detectors, cleaned, inspected and performed continuity check per PW Maintenance Manual 79-20-02, and reinstalled chip detectors. Performed engine runs to verify no leaks - found to be satisfactory at this time Next Due - H: 5216.90
08. 72 0013 - NO. 1 ENGINE - CLEAN OR REPLACE FILTER ON PNEUMATIC SYSTEM - Work Description: Removed, cleaned and reinstalled the air filter on the pneumatic system in reference with C208B MM 36-10-01 Next Due - H: 5216.90
09. 72 0014 - NO. 1 ENGINE - CLEAN AND INSPECTION P3 FILTER DRAIN HOUSING ASSEMBLY (POST SB 1495) - Work Description: Removed P3 filter housing, cleaned, inspected and re-installed P3 filter - no defects were noted during this inspection. Next Due - H: 5216.90
10. 72 1001 - ENGINE TREND MONITORING Next Due - 24-APR-2022
11. 79 7001 - NO.1 ENGINE OIL ANALYSIS - Work Description: Complied with oil analysis by taking a sample from the engine oil reservoir and sending it to AvLab for analysis Next Due - H: 5216.90

I Certify that This Aircraft has been Inspected IAW Cessna Caravan Progressive Inspection Program And Found To Be In Airworthy Condition And Returned To Service For Work Performed

Inspector

License / Cert #

Signature

Date

TIMOTHY DINGLER JSP/IA 4031088

3.25.22

[Federal Register: June 17, 1996 (Volume 61, Number 117)]
[Rules and Regulations]
[Page 30505]
From the Federal Register Online via GPO Access [wais.access.gpo.gov]
[DOCID:fr17jn96-6]

DEPARTMENT OF TRANSPORTATION

14 CFR Part 39

[Docket No. 96-CE-05-AD; Amendment 39-9591; AD 96-09-15]

RIN 2120-AA64

Airworthiness Directives; Cessna Aircraft Company Models 208 and 208B Airplanes

AGENCY: Federal Aviation Administration, DOT.

ACTION: Final rule; correction.

SUMMARY: This action makes a correction to Airworthiness Directive (AD) 96-09-15 concerning all Cessna Aircraft Company (Cessna) Models 208 and 208B airplanes, which was published in the Federal Register on May 7, 1996 (61 FR 20641). That publication incorrectly references a cue for the pilot or crew member in severe icing conditions. The AD currently requires the pilot to follow certain visual cues during flight in icing conditions and the third of these cues requires the pilot to look at the engine propeller spinner. This cue is inappropriate for this type of airplane. The intent of the AD in paragraph (a) (1), first bullet, third cue, should not be a requirement for the Cessna Models 208 and 208B. This action corrects the AD to reflect this change.

EFFECTIVE DATE: June 11, 1996.

FOR FURTHER INFORMATION CONTACT: Mr. John Dow, Aerospace Engineer, FAA, Small Airplane Directorate, 1201 Walnut, suite 900, Kansas City, Missouri 64106; telephone (816) 426-6934; facsimile (816) 426-2169.

SUPPLEMENTARY INFORMATION: On May 7, 1996, the Federal Aviation Administration (FAA) issued AD 96-09-15, Amendment 39-9591 (61 FR 20641, May 7, 1996), which applies to all Cessna Models 208 and 208B airplanes. This AD requires a revision in the Airplane Flight Manual (AFM) by incorporating a warning into the Limitations Section of the AFM. Within this warning (in the first bulleted paragraph) are cues for the pilot to follow during flight in severe icing conditions. The third cue references accumulation of ice on the engine propeller spinner.

Need for the Correction

The AD incorrectly references the " * * * engines propeller spinner * * *" which is not appropriate for the type design of these Cessna Models 208 and 208B airplanes. These airplanes are single engine designs which would not allow the pilot to see the engine propeller spinner from the cockpit.

Correction of Publication

Accordingly, the publication of May 7, 1996 (61 FR 20641), of Amendment 39-9591; AD 96-09-15, which was the subject of FR Doc. 96-10729, is corrected as follows:

§39.13 [Corrected] -

On page 20642, in the third column, section 39.13, paragraph (a) (1), line 17 from the top of the column, disregard and delete "-Accumulation of ice on the engine propeller spinner * * *".

Action is taken herein to clarify this requirement of AD 96-09-15 and to add this AD correction to section 39.13 of the Federal Aviation Regulations (14 CFR 39.13).

The effective date remains June 11, 1996.

Issued in Kansas City, Missouri on June 10, 1996.

Henry A. Armstrong,

Acting Manager, Small Airplane Directorate, Aircraft Certification Service.

[FR Doc. 96-15139 Filed 6-14-96; 8:45 am]

BILLING CODE 4910-13-P

[Federal Register: May 28, 1996 (Volume 61, Number 103)]
[Rules and Regulations]
[Page 26425-26426]
From the Federal Register Online via GPO Access [wais.access.gpo.gov]
[DOCID:fr28my96-6]

DEPARTMENT OF TRANSPORTATION

14 CFR Part 39

[Docket No. 96-CE-05-AD; Amendment 39-9591; AD 96-09-15]

RIN 2120-AA64

Airworthiness Directives; Cessna Aircraft Company Models 208 and 208B Airplanes; Correction

AGENCY: Federal Aviation Administration, DOT.

ACTION: Final rule; correction.

SUMMARY: This action makes a correction to Airworthiness Directive (AD) 96-09-15 concerning all Cessna Aircraft Company (Cessna) Models 208 and 208B airplanes, which was published in the Federal Register on May 7, 1996 (61 FR 20641). That publication incorrectly references a cue for the pilot or crew member in severe icing conditions. The AD currently requires the pilot to follow certain visual cues during flight in icing conditions and the second of these cues requires the pilot to look at the upper surface of the wing. The word "upper" is wrong in the second cue. The intent of the AD in paragraph (a) (1), first bullet, second cue, is to require the pilot or crew member to look at the "lower" surface of the wing. This action corrects the AD to reflect this change.

EFFECTIVE DATE: June 11, 1996.

FOR FURTHER INFORMATION CONTACT: Mr. John Dow, Aerospace Engineer, FAA, Small Airplane Directorate, 1201 Walnut, suite 900, Kansas City, Missouri 64106; telephone (816) 426-6934; facsimile (816) 426-2169.

SUPPLEMENTARY INFORMATION: On May 7, 1996, the Federal Aviation Administration (FAA) issued AD 96-09-15, Amendment 39-9591 (61 FR 20641, May 7, 1996), which applies to all Cessna Models 208 and 208B airplanes. This AD requires a revision in the Airplane Flight Manual (AFM) by incorporating a warning into the Limitations Section of the AFM. Within this warning (in the first bulleted paragraph) are cues for the pilot to follow during flight in severe icing conditions. The second cue references accumulation of ice on the upper surface of the wing aft of the protected area.

Need for the Correction

The AD incorrectly references the ". . . upper surface of the wing. . ." instead of the lower surface of the wing. Cessna Models 208 and 208B airplanes are designed with the wings sitting high on the body of the airplane, which would not allow the pilot to visually check the upper surface of the wings on the airplane during flight without exiting the airplane.

Correction of Publication

Accordingly, the publication of May 7, 1996 (61 FR 20641), of Amendment 39-9591; AD 96-09-15, which was the subject of FR Doc. 96-10729, is corrected as follows:

§39.13 [Corrected]

On page 20642, in the third column, §39.13, paragraph (a)(1) of the AD, line 15 from the top of the column, correct "-Accumulation of ice on the upper surface" to read "-Accumulation of ice on the lower surface".

Action is taken herein to clarify this requirement of AD 96-09-15 and to add this AD correction to §39.13 of the Federal Aviation Regulations (14 CFR 39.13).

The effective date remains June 11, 1996.

Issued in Kansas City, Missouri on May 17, 1996.

Michael Gallagher,

Manager, Small Airplane Directorate, Aircraft Certification Service.

[FR Doc. 96-13061 Filed 5-24-96; 8:45 am]

BILLING CODE 4910-13-U

[Federal Register: May 7, 1996 (Volume 61, Number 89)]
[Rules and Regulations]
[Page 20641-20643]
From the Federal Register Online via GPO Access [wais.access.gpo.gov]
[DOCID:fr07my96-26]

DEPARTMENT OF TRANSPORTATION

14 CFR Part 39

[Docket No. 96-CE-05-AD; Amendment 39-9591; AD 96-09-15]

RIN 2120-AA64

Airworthiness Directives; Cessna Aircraft Company Models 208 and 208B Airplanes

AGENCY: Federal Aviation Administration, DOT.

ACTION: Final rule

SUMMARY: This amendment adopts a new airworthiness directive (AD) that applies to all Cessna Aircraft Company (Cessna) Models 208 and 208B airplanes. This action requires revising the Airplane Flight Manual (AFM) to provide the flight crew with recognition cues for, and procedures for exiting from, severe icing conditions, and to limit or prohibit the use of various flight control devices. This amendment is prompted by results of a review of the requirements for certification of the airplane in icing conditions, new information on the icing environment, and icing data provided currently to the flight crews. The actions specified by this AD are intended to minimize the potential hazards associated with operating the airplane in freezing rain or freezing drizzle conditions by providing more clearly defined procedures and limitations associated with such conditions.

EFFECTIVE DATE: June 11, 1996.

ADDRESSES: Information that relates to this AD may be examined at the Federal Aviation Administration (FAA), Central Region, Office of the Assistant Chief Counsel, Attention: Rules Docket 96-CE-05-AD, Room 1558, 601 E. 12th Street, Kansas City, Missouri 64106.

FOR FURTHER INFORMATION CONTACT: Mr. John Dow, Aerospace Engineer, FAA, Small Airplane Directorate, 1201 Walnut, suite 900, Kansas City, Missouri 64106; telephone (816) 426-6934; facsimile (816) 426-2169.

SUPPLEMENTARY INFORMATION: A proposal to amend part 39 of the Federal Aviation Regulations (14 CFR part 39) to include an AD that would apply to Cessna Models 208 and 208B airplanes was published in the Federal Register on January 25, 1996 (61 FR 2178). The action proposed to require revising the Airplane Flight Manual (AFM) to specify procedures that would prohibit flight in freezing rain or freezing drizzle conditions (as determined by certain visual cues), limit or prohibit the use of various flight control devices, and provide the flight crew with recognition cues for, and procedures for exiting from, severe icing conditions.

Disposition of Comments

For the disposition of comments on this rulemaking action, see Docket No. 96-CE-01; Amendment 39-9587; AD 96-09-11, Airworthiness Directives; de Havilland, Inc. DHC-6 Series Airplanes, published elsewhere in this issue of the Federal Register.

Conclusion

After careful review of the available data, including the comments noted above, the FAA has determined that air safety and the public interest require the adoption of the rule with the changes previously described. The FAA has determined that these changes will neither increase the economic burden on any operator nor increase the scope of the AD.

Cost Impact

The FAA estimates that 169 airplanes in the U.S. registry will be affected by this AD, that it will take approximately 1 workhour per airplane to accomplish the required action, and that the average labor rate is approximately \$60 an hour. Since an owner/operator who holds at least a private pilot's certificate as authorized by sections 43.7 and 43.11 of the Federal Aviation Regulations (14 CFR 43.7 and 43.11) can accomplish the required action, the only cost impact upon the public is the time it would take the affected airplane owner/operators to incorporate the AFM revisions.

In addition, the FAA recognizes that this AD may impose operational costs. However, those costs are incalculable because the frequency of occurrence of the specified conditions and the associated additional flight time cannot be determined. Nevertheless, because of the severity of the unsafe condition addressed, the FAA has determined that continued operational safety necessitates the imposition of these costs.

Regulatory Impact

The regulations adopted herein will not have substantial direct effects 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, in accordance with Executive Order 12612, it is determined that this final rule does not have sufficient federalism implications to warrant the preparation of a Federalism Assessment.

For the reasons discussed above, I certify that this action (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. A copy of the final 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, Incorporation by reference, Safety.

Adoption of the Amendment

Accordingly, pursuant to the authority delegated to me by the Administrator, the Federal Aviation Administration amends 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 USC 106(g), 40113, 44701.

§39.13 [Amended]

2. Section 39.13 is amended by adding a new airworthiness directive (AD) to read as follows:

AIRWORTHINESS DIRECTIVE

Aircraft Certification Service
Washington, DC



U.S. Department
of Transportation
**Federal Aviation
Administration**

We post ADs on the internet at "www.airweb.faa.gov/rgl"

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).

CORRECTION:

[*Federal Register*: May 28, 1996 (Volume 61, Number 103); Page 26425-26426]

[*Federal Register*: June 17, 1996 (Volume 61, Number 117); Page 30505]

www.access.gpo.gov/su_docs/aces/aces140.html

96-09-15 Cessna Aircraft Company: Amendment 39-9591; Docket No. 96-CE-05-AD.

Applicability: Models 208 and 208B airplanes (all serial numbers), certificated in any category.

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 (d) 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 minimize the potential hazards associated with operating the airplane in severe icing conditions by providing more clearly defined procedures and limitations associated with such conditions, accomplish the following:

(a) Within 30 days after the effective date of this AD, accomplish the requirements of paragraphs (a)(1) and (a)(2) of this AD.

Note 2: Operators must initiate action to notify and ensure that flight crewmembers are apprised of this change.

(1) Revise the FAA-approved Airplane Flight Manual (AFM) by incorporating the following into the Limitations Section of the AFM. This may be accomplished by inserting a copy of this AD in the AFM.

"WARNING

Severe icing may result from environmental conditions outside of those for which the airplane is certificated. Flight in freezing rain, freezing drizzle, or mixed icing conditions (supercooled liquid water and ice crystals) may result in ice build-up on protected surfaces exceeding the capability of the

ice protection system, or may result in ice forming aft of the protected surfaces. This ice may not be shed using the ice protection systems, and may seriously degrade the performance and controllability of the airplane.

- During flight, severe icing conditions that exceed those for which the airplane is certificated shall be determined by the following visual cues. If one or more of these visual cues exists, immediately request priority handling from Air Traffic Control to facilitate a route or an altitude change to exit the icing conditions.

–Unusually extensive ice accreted on the airframe in areas not normally observed to collect ice.
–Accumulation of ice on the lower surface of the wing aft of the protected area.

- Since the autopilot may mask tactile cues that indicate adverse changes in handling characteristics, use of the autopilot is prohibited when any of the visual cues specified above exist, or when unusual lateral trim requirements or autopilot trim warnings are encountered while the airplane is in icing conditions.

- All icing detection lights must be operative prior to flight into icing conditions at night. [NOTE: This supersedes any relief provided by the Master Minimum Equipment List (MMEL).]"

(2) Revise the FAA-approved AFM by incorporating the following into the Procedures Section of the AFM. This may be accomplished by inserting a copy of this AD in the AFM.

"THE FOLLOWING WEATHER CONDITIONS MAY BE CONDUCTIVE TO SEVERE IN-FLIGHT ICING:

- Visible rain at temperatures below 0 degrees Celsius ambient air temperature.
- Droplets that splash or splatter on impact at temperatures below 0 degrees Celsius ambient air temperature.

PROCEDURES FOR EXITING THE SEVERE ICING ENVIRONMENT:

These procedures are applicable to all flight phases from takeoff to landing. Monitor the ambient air temperature. While severe icing may form at temperatures as cold as -18 degrees Celsius, increased vigilance is warranted at temperatures around freezing with visible moisture present. If the visual cues specified in the Limitations Section of the AFM for identifying severe icing conditions are observed, accomplish the following:

- Immediately request priority handling from Air Traffic Control to facilitate a route or an altitude change to exit the severe icing conditions in order to avoid extended exposure to flight conditions more severe than those for which the airplane has been certificated.
- Avoid abrupt and excessive maneuvering that may exacerbate control difficulties.
- Do not engage the autopilot.
- If the autopilot is engaged, hold the control wheel firmly and disengage the autopilot.
- If an unusual roll response or uncommanded roll control movement is observed, reduce the angle-of-attack.
- Do not extend flaps during extended operation in icing conditions. Operation with flaps extended can result in a reduced wing angle-of-attack, with the possibility of ice forming on the upper surface further aft on the wing than normal, possibly aft of the protected area.
- If the flaps are extended, do not retract them until the airframe is clear of ice.
- Report these weather conditions to Air Traffic Control."

(b) Incorporating the AFM revisions, as required by this AD, may be performed by the owner/operator holding at least a private pilot certificate as authorized by section 43.7 of the Federal Aviation Regulations (14 CFR 43.7), and must be entered into the aircraft records showing compliance with this AD in accordance with section 43.11 of the Federal Aviation Regulations (14 CFR 43.11).

(c) 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.

(d) 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, Small Airplane Directorate, FAA, 1201 Walnut, suite 900, Kansas City, Missouri 64106. The request shall be forwarded through an appropriate FAA Maintenance Inspector, who may add comments and then send it to the Manager, Small Airplane Directorate.

Note 3: Information concerning the existence of approved alternative methods of compliance with this AD, if any, may be obtained from the Small Airplane Directorate.

(e) All persons affected by this directive may examine information related to this AD at the FAA, Central Region, Office of the Assistant Chief Counsel, Room 1558, 601 E. 12th Street, Kansas City, Missouri 64106.

(f) This amendment (39-9591) becomes effective on June 11, 1996.

Issued in Kansas City, Missouri, on April 24, 1996.

Henry A. Armstrong,

Acting Manager, Small Airplane Directorate, Aircraft Certification Service.

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