# 中国民用航空局



# CAAC 适 航 指 令

### AIRWORTHINESS DIRECTIVE

本指令根据中国民用航空规章《民用航空器适航指令规定》(CCAR-39)颁发,内容涉及飞行安全,是强制性措施。如不按规定完成,有关航空器将不再适航。

编号: CAD2006-C208-01R2

修正案号: 39-5237

- 一. 标题: 修改飞行员操作手册(POH)相关部分
- 二. 适用范围:

本指令适用于所有序号的Cessna 208和 208B飞机。

# 三. 参考文件:

- 1、FAA AD 2006-01-11 R1,修正案号: 39-14515, 2006 年 3 月 10 日颁发;
- 2、Cessna Caravan 服务包(Service kit) No.SK208-146, 2004 年 10 月 4 日颁发:
- 3、Cessna Caravan 服务通告 No.CAB95-19, 1995 年 10 月 13 日颁发;
- 4、Cessna Caravan 附件包(Accessory kit)No.AK208-6C 修改版 C, 1993 年 8 月 27 日颁发:
- 5、Cessna Caravan 服务通告 No.CAB93-20 修改版 1, 1995 年 10 月 13 日颁发。

四. 原因、措施和规定 本适航指令替代 CAD2006-C208-01R1, 39-5230

本指令的颁发是由于收到几起在结冰条件下,飞机在空中和地面操作时发生事故的报告。本指令颁发的目的是提供一种安全方法,用

于起飞前探测附着在机翼上表面(重要翼面)的结冰、积雪、霜冻、或泥泞的状况;并通过除去货舱吊舱和起落架整流盖板的冰以降低飞行中的阻力。机翼上表面、货舱吊舱、起落架整流盖板上附着冰可降低飞机性能,从而使飞机不能安全起飞、爬升或保持高度。

自2006年2月22日起,要求完成附件FAA AD 2006-01-11 R1中规定的工作,除非已事先完成。

完成本指令可采取能确保安全的替代方法或调整完成时间,但必须得到适航部门的批准。

附件: FAA AD 2006-01-11 R1(39-14515)

2006-01-11 R1 The Cessna Aircraft Company: Amendment 39-14515; Docket No. FAA-2005-21275; Directorate Identifier 2005-CE-28-AD.

### When Does This AD Become Effective?

(a) This AD becomes effective on February 22, 2006. The effective date of this AD is retained from AD 2006-01-11.

### What Other ADs Are Affected by This Action?

(b) This AD revises AD 2006-01-11, Amendment 39-14450.

# What Airplanes Are Affected by This AD?

(c) This AD affects Models 208 and 208B, all serial numbers, that are certificated in any category.

#### What Is the Unsafe Condition Presented in This AD?

(d) This AD is the result of reports of several accidents involving the affected airplanes during operations in-flight and in ground icing conditions. We are issuing this AD to provide a safe method to detect ice, snow, frost, or slush adhering to the upper wing (a critical surface) prior to takeoff; and to reduce drag in-flight by shedding ice on the cargo pod and landing gear fairings. Ice adhering to the upper wing surface, cargo pod, or landing gear fairings could result in a reduction in airplane performance with the consequences that the airplane cannot perform a safe takeoff or climb or maintain altitude.

## What Must I Do To Address This Problem?

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

Actions	Compliance	Procedures
(1) Install the pilot	Within the	Install the pilot assist
assist handle SK208-146-2	next 125	handle SK208-146-2 subkit
subkit (part number (P/N)	days after	(part number (P/N)
SK208-146-2( (or FAA-	February	SK208-146-2 (or
approved equivalent part	22, 2006	FAA-approved equivalent
number if the airplane	(the	part number) following step
will be operated in the	effective	4 of the Accomplishment
ground icing conditions	date of this	Instructions of Cessna
defined under	AD), unless	Caravan Service Kit No.
"Visual/Tactile Check" in	already	SK208-146, dated October 4,
the LIMITATIONS section	done.	2004.
of the AFM after the		
compliance time).		
(2) 14 CFR 21.303 allows	Not	Not Applicable.
for replacement parts	Applicable	
through parts		
manufacturer approval		
(PMA). The phrase "or		
FAA-approved equivalent		
part number" in this AD is		
intended to signify those		
parts that are PMA parts		
approved through		
identicality to the		
design of the part under		
the type certificate and		
parts to correct the		
unsafe condition under		
PMA (other than		
identicality).		

Equivalent replacement parts to correct the unsafe condition under PMA (other than identicality) may also be installed provided they meet current airworthiness standards, which include those actions cited in this AD.  (3) Insert the text in Appendix 1 of this AD after the "OTHER LIMITATIONS" in the LIMITATIONS section of the Cessna Models 208 or (the 208B Pilot's Operating Handbook (POH) and FAA-approved Airplane Flight Manual (AFM).  (4) For Cessna Model 208B Within the with Pratt & Whitney of canada Ltd., PT6A-114 with Prop engine installed (600 SHP) or equipped with a cargo pod (the carbon in the aircraft number) equipped with a cargo pod (the carbon in the aircraft number) following the Installation			
unsafe condition under PMA (other than identicality) may also be installed provided they meet current airworthiness standards, which include those actions cited in this AD.  (3) Insert the text in Appendix 1 of this AD next 125 at least a private pilot after the "OTHER days after LIMITATIONS" in the LIMITATIONS section of the Cessna Models 208 or the Cessna Models 208 or the Cessna Models 208 or the AD unless already insert the pOH to comply with this action. Make an entry into the appropriate sections of the POH to comply with this action. Make an entry into the aircraft records showing compliance with portion of the AD in accordance with section 43. 9 of the Federal Aviation Regulations (14 CFR 43. 9).  (4) For Cessna Model 208B Within the with Pratt & Whitney of Canada Ltd., PT6A-114 Turbo Prop engine installed (600 SHP) or  Turbo Prop engine installed (600 SHP) or  Turbo Prop engine installed (600 SHP) or	Equivalent replacement		
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208B Pilot's Operating Handbook (POH) and FAA-approved Airplane Flight Manual (AFM).  Fl	LIMITATIONS section of	22, 2006	Aviation Regulations (14 CFR
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Canada Ltd., PT6A-114 days after kit (part number (P/N) Turbo Prop engine February AK208-6C2) (or FAA-approved installed (600 SHP) or 22, 2006 equivalent part number)	(4) For Cessna Model 208B	Within the	Install the cargo pod and
Turbo Prop engine February AK208-6C2) (or FAA-approved installed (600 SHP) or 22, 2006 equivalent part number)	with Pratt & Whitney of	next 125	landing gear fairing deice
installed (600 SHP) or 22, 2006 equivalent part number)	Canada Ltd., PT6A-114	days after	kit (part number (P/N)
	Turbo Prop engine	February	AK208-6C2) (or FAA-approved
equipped with a cargo pod (the following the Installation	installed (600 SHP) or	22, 2006	equivalent part number)
	equipped with a cargo pod	(the	following the Installation

and pneumatic deicing boots, do one of the following: (i) Install Cessna Accessory Kit AK208-6C per Cessna Service Bulletin CAB95-19: or. (ii)Install a placard in view of the pilot which states "This airplane is prohibited from flight in known or forecast icing".

effective already done.

Instructions of Cessna date of this Caravan Service Bulletin No. AD), unless CAB95-19, dated October 13, 1995, and Cessna Caravan Accessory Kit No. AK208-6C, Revision C, dated August 27, 1993. 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) may install the placard as specified in paragraph (e) (4) of this AD. You may insert a copy of this AD into the appropriate sections of the POH to comply with this action. Make an entry into the aircraft records showing compliance with portion of the AD in accordance with section 43.9 of the Federal Aviation Regulations (14 CFR 43.9).

(5) For all Cessna Model Within the 208 and 208B airplanes equipped with a cargo poddays after and pneumatic deicing boots and not included in 22, 2006 paragraph (e) (4) of this (the AD, do one of the |following: (i) Install Cessna Accessory Kit AK208-6C per Cessna

next 125 February effective already

Do the installation following the Installation Instructions of Cessna Caravan Service Bulletin No. CAB93-20, Revision 1, dated October 13, 1995, and Cessna Caravan Accessory Kit No. date of thisAK208-6C, Revision C, issued AD), unless August 27, 1993. The owner/operator holding at

Service Bulletin CAB93-20 done.	least a private pilot
Revision 1; or. (ii)	certificate as authorized by
Install a placard in view	section 43.7 of the Federal
of the pilot with the	Aviation Regulations (14 CFR
following words: "This	43.7) may install the
airplane is prohibited	placard as specified in
from flight in known or	paragraph (e)(5)(ii) of this
forecast icing".	AD. Make an entry into the
	aircraft records showing
	compliance with portion of
	the AD in accordance with
	section 43.9 of the Federal
	Aviation Regulations (14 CFR
	43.9).
(6) Insert the text in Before	The owner/operator holding
Appendix 2 of this AD in further	at least a private pilot
the "KINDS OF OPERATION flight	certificate as authorized by
LIMITS" in the after	section 43.7 of the Federal
LIMITATIONS section of compliance	ce Aviation Regulations (14 CFR
the Cessna Models 208 or to	43.7) may insert the
208B Pilot's Operating paragraph	information into the POH as
Handbook (POH) and (e) (4) (i)	specified in paragraph
FAA-approved Airplane or	(e)(3) of this AD. You may
Flight Manual (AFM). (e) (5) (i)	insert a copy of this AD into
of this A	AD. the appropriate sections of
	the POH to comply with this
	action. Make an entry into
	the aircraft records showing
	compliance with portion of
	the AD in accordance with
	section 43.9 of the Federal
	Aviation Regulations (14 CFR
	43.9).
(7) Delete the text in Before	The owner/energter helding
I I	The owner/operator holding

the "REQUIRED EQUIPMENT"in the LIMITATIONS section of the Cessna Models 208 or to 208B Pilot's Operating Handbook (POH) and FAA-approved Airplane Flight Manual (AFM) Supplement S1 "Known Icing Equipment".

flight after compliance paragraph (e) (4) (i)or (e)(5)(i)

certificate as authorized by section 43.7 of the Federal Aviation Regulations (14 CFR 43.7) may insert the information into the POH as specified in paragraph (e) (3) of this AD. You may insert a copy of this AD into of this AD. the appropriate sections of the POH to comply with this action. Make an entry into the aircraft records showing compliance with portion of the AD in accordance with section 43.9 of the Federal Aviation Regulations (14 CFR 43.9).

Note: Cessna Caravan Service Bulletin No. CABO4-9, dated October 4, 2004, also addresses the installation of the pilot assist handle.

# May I Request an Alternative Method of Compliance?

(f) The Manager, Wichita Aircraft Certification Office (ACO), FAA, has the authority to approve alternative methods of compliance for this AD, if requested using the procedures found in 14 CFR 39.19. For information on any already approved alternative methods of compliance, contact Paul Pellicano, Aerospace Engineer (Icing), FAA, Small Airplane Directorate, c/o Atlanta ACO, One Crown Center, 1985 Phoenix Boulevard, Suite 450, Atlanta, GA 30349; telephone: (770) 703-6064; facsimile: (770) 703-6097; or Robert P. Busto, Aerospace Engineer, Wichita ACO, FAA, 1801 Airport Road, Wichita, Kansas 67209; telephone: (316) 946-4157; 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 Caravan Service Kit No. SK208-146, dated October 4, 2004 and Cessna Caravan Accessory Kit No. AK208-6C, Revision C, dated August 27, 1993.
- (1) On February 22, 2006 (71 FR 1941, January 12, 2006), and in accordance with 5 U.S.C. 552 (a) and 1 CFR part 51, The Director of the Federal Register previously approved the incorporation by reference of Cessna Caravan Service Kit No. SK208-146, dated October 4, 2004, and Cessna Caravan Accessory Kit No. AK208-6C, Revision C, dated August 27, 1993.
- (2) To get a copy of this service information, contact The Cessna

Aircraft Company, Product Support, P.O. Box 7706, Wichita, Kansas 67277-7706; 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: <a href="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</a> 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 <a href="http://dms.dot.gov">http://dms.dot.gov</a>. The docket number is FAA-2005-21275; Directorate Identifier 2005-CE-28-AD.

Appendix 1 to AD 2006-01-11 R1 Changes to the Cessna Models 208 or 208B Pilot's Operating Handbook (POH) and FAA-Approved Airplane Flight Manual

Affected Cessna Models 208 or 208B Pilot's Operating Handbook (POH) and FAA-Approved Airplane Flight Manual (AFM)

Insert the following text after the "OTHER LIMITATIONS" in the LIMITATIONS section of the Cessna Models 208 or 208B Pilot's

Operating Handbook (POH) and FAA-approved Airplane Flight Manual (AFM):

#### COLD WEATHER OPERATIONS.

The airplane must be equipped with the following equipment when operating at an airport in the ground icing conditions defined under "Visual/Tactile Check" in the LIMITATIONS section:

1. Pilot assist handle, Cessna P/N SK208-146-2 (or FAA-approved equivalent part number).

Appendix 2 to AD 2006-01-11 R1 Changes to the Cessna Models 208 or 208B Pilot's Operating Handbook (POH) and FAA-Approved Airplane Flight Manual

Affected Cessna Models 208 or 208B Pilot's Operating Handbook (POH) and FAA-Approved Airplane Flight Manual (AFM)

Add the following to the equipment listed under "FLIGHT INTO KNOWN ICING" in the "KINDS OF OPERATION LIMITS" in the LIMITATIONS section of the FAA approved Airplane Flight Manual:

Lower main landing gear leading edge deice boots Cargo pod nosecap deice boot

Appendix 3 to AD 2006-01-11 R1 Changes to the Cessna Models 208 or 208B Pilot's Operating Handbook (POH) and FAA-Approved Airplane Flight Manual Supplement S1

Affected Cessna Models 208 or 208B Pilot's Operating Handbook (POH) and FAA-Approved Airplane Flight Manual (AFM) Supplement S1

Remove the paragraph under "REQUIRED EQUIPMENT" in the Limitations section of the FAA-Approved Flight Manual Supplement S1 "Known Icing Equipment", that currently reads as follows:

### CAD2006-C208-01R2 / 39-5237

"The following additional equipment is not required for flight into icing conditions as defined by FAR 25, but may be installed on early serial airplanes by using optional accessory Kit AK208-6. On later serial airplanes, this equipment may be included with the flight into known icing package. If installed, this equipment must be fully operational: "

五. 生效日期: 2006年4月21日

六. 颁发日期: 2006年4月21日

七. 联系人: 钟颖芬

民航中南地区管理局适航审定处

020-86122503