

United States of America
Department of Transportation — Federal Aviation Administration
Supplemental Type Certificate

Number SA4625NM

This certificate, issued to Aero Twin, Inc.

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 23 of the Federal Aviation Regulations.* *Complete certification basis is specified in Type Certificate Data Sheet Number A37CE, Revision 4.

Original Product — Type Certificate Number: A37CE
Make: Cessna
Model: 208, 208A, and 208B.

Description of Type Design Change:

Fabrication and installation of Aero Twin, Inc., EB8-200 extended baggage kit in accordance with Aero Twin, Inc., Master Drawing List No. EB8-200 dated March 8, 1990, or later FAA approved revision.

Limitations and Conditions:

The approval of this change in type design applies to the basic Cessna 208, 208A, and 208B airplanes only. This approval should not be extended to other aircraft of these models on which other previously approved modifications are incorporated unless it is determined by the installer that the modifications will introduce no adverse effect on the airworthiness of such aircraft.

(See Continuation Sheet Page 3 of 3)

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: October 5, 1987

Date reissued:

Date of issuance: March 8, 1990

Date amended:



By direction of the Administrator
Alan C. Strickfaden
Alan C. Strickfaden, (Signature) Supervisor
Anchorage Aircraft Certification Field Office
Northwest Mountain Region

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

United States of America
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Supplemental Type Certificate
(Continuation Sheet)

Number SA4625NM

Limitations and Conditions: (Continued)

Cessna 208, 208A, and 208B airplanes modified in accordance with this Certificate must be operated in accordance with FAA approved Aero Twin, Inc. Airplane Flight Manual Supplement dated March 8, 1990, or later FAA approved revision.

Cessna 208, 208A, and 208B airplanes modified in accordance with this Certificate must be maintained in accordance with Aero Twin, Inc., Cessna 208 Caravan Extended Baggage Kit Number EB8-200 Instructions for Continued Airworthiness dated January 23, 1990, or later FAA approved revision.

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.



**FAA APPROVED
AIRPLANE FLIGHT MANUAL SUPPLEMENT
FOR
CESSNA MODELS
208, 208A & 208B**

REGISTRATION NO. _____

SERIAL NO. _____

This supplement must be attached to the Cessna Aircraft Company Pilots Operating Handbook and FAA Approved Flight Manual for the Cessna 208, 208A, or 208B airplane when the Aero Twin, Inc. Cessna 208 Extended Baggage Kit Number EB8-200 is installed in accordance with Supplemental Type Certificate (STC) Number SA4625NM. The Cessna Pilots Operating Handbooks and FAA Approved Airplane Flight Manual (POH/AFM) for various models of the Cessna 208 Caravan I series are identified by the following Cessna part numbers:

<u>Model</u>	<u>Serial Numbers</u>	<u>POH/AFM Cessna P/N</u>
208	20800001 thru 20800060	D1286-13PH
208	20800061 and up	D1307-13PH
208A	20800007 and up	D1287-13PH
208B	208B0001 and up	D1309-13PH

The information contained herein supplements of supersedes the information in the basic Pilots Operating Handbook and FAA Approved Airplane Flight Manual only in those areas listed herein. For limitations, procedures, and performance not contained in this Supplement, consult the basic Pilot's Operating Handbook and FAA Approved Airplane Flight Manual.

FAA Approved: Greg Holt
Greg Holt, Manager
FAA Anchorage ACO
ACE-115N

Date: 11-9-4

LOG OF REVISIONS			
REVISION		PAGES REVISED AND DESCRIPTION OF REVISION	APPROVAL SIGNATURE
NO.	DATE		
-----	3/8/90	Original Issue	-----
A	5/4/90	Revised Pages 2, 4, and 5 per ECO AT-07	-----
B	14-Oct-04	Revised complete document Per ECO AT-99	

SECTION 1 GENERAL

This airplane has been equipped with the Aero Twin Inc. Extended Baggage Kit No. EB8-200. This kit is located at the rear of the cargo area, starting at fuselage station 308 for the Cessna 208 and 208A or fuselage station 356 for the Cessna 208B. This region is separated from the standard cargo area by a partition net. The extended baggage must be installed at all times. An optional baggage kit floor access panel may be installed. The panel must be securely installed for all flight operations. The access panel allows maintenance staff quick and easy access to airframe equipment located underneath the extended baggage kit floor.

SECTION 2 LIMITATIONS

PLACARDS:

At the center of the upper front panel at fuselage station 308 in Cessna models 208 and 208A, and fuselage station 356 in Cessna model 208B:

EXTENDED BAGGAGE
MAX LOAD 100 LBS.

Centered on the emergency locator transmitter (ELT) cover:

ELT IS LOCATED
BEHIND THIS SURFACE

SECTION 3 EMERGENCY PROCEDURES

UNCHANGED

SECTION 4 NORMAL PROCEDURES

Preflight Inspection (CABIN Section):

Extended Baggage – Ensure (1) baggage kit floor access panel is installed (if applicable), (2) all baggage is properly secured, and (3) partition net is installed.

SECTION 5 PERFORMANCE

UNCHANGED

SECTION 6 WEIGHT AND BALANCE

When the Aero Twin Extended Baggage Kit EB8-200 is installed, a new weight and balance must be determined according to the following data and incorporated into the aircraft records.

Equipment Installed	Weight (lbs.)	Arm (inches)	Moment (in.-lbs./1000)
Removed Cabin Rear Wall Assembly (to be determined at installation*):			
Cessna Models 208 or 208A	(-_____)	308.0	(-_____)
Cessna Model 208B	(-_____)	356.0	(-_____)
Install Aero Twin Extended Baggage Kit No. EB8-200:			
Cessna Models 208 or 208A	36.3	327.6	11.89
Cessna Model 208B	36.3	375.6	12.63
Optional baggage kit Floor access panel in Models 208 and 208A	1.25	328	0.41
Optional baggage kit Floor access panel in Model 208B	1.25	376	0.47

The arm of baggage whose weight is evenly distributed over the compartment floor will be identical to that of the compartment itself. The arms of concentrated mass items carried in the baggage compartment must be individually measured, and their individual weights and moments must be used in computing the complete airplane's weight and balance

SECTION 7

AIRPLANE SYSTEMS AND DESCRIPTIONS

The Aero Twin, Inc. Extended Baggage Kit is installed aft of the standard cargo area. The forward end of the extended baggage compartment is located at fuselage station 308 for the Cessna 208 and 208A or fuselage station 356 for the Cessna 208B. The installation has increased the useful cargo capacity by 22 cubic feet, but DOES NOT increase the maximum gross takeoff weight. The useful load of the airplane is decreased by installed weight of the kit less the weight of the removed cabin rear wall assembly. Access to this area is obtained by removing the partition net, fastened to anchor plates around the forward perimeter of the extended baggage compartment.

Cargo up to 100 lbs. can be loaded into the extended baggage area, weight and balance permitting. If the cargo is dense and occupies only a fraction of the volume of the cargo area, it should be tied down at the four corner anchor plates with an optional cargo net (Cessna P/N 2015009-3), or suitable strapping. Heavy objects with small supporting "feet" or protrusions with more than 24 lbs. per square inch of floor area must be supported on pads of some material such as ¼ inch marine plywood, in order to avoid damaging the baggage compartment floor. More diffuse cargo which occupies most of the extended baggage compartment, can be placed in the compartment and retained by the partition net alone.

The partition net must be securely installed before every flight, regardless of loading condition. The optional baggage kit floor access cover must be installed before loading any cargo into the extended baggage area; the access cover must be installed for all flight operations.

SECTION 8

AIRPLANE HANDLING, SERVICE, AND MAINTENANCE

Airplane handling is unchanged. See Instructions for Continued Airworthiness for information on service and maintenance.

SECTION 9

SUPPLEMENTS

This Airplane Flight Manual Supplement must be included in the airplane with the basic Cessna Aircraft Company Pilot's Operating Handbook and FAA Approved Flight Manual.