

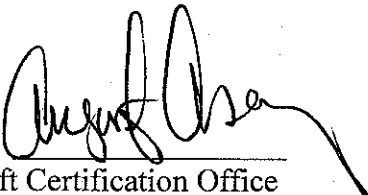
Aerovative Composites, Inc.  
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Anchorage, Alaska 99508  
Document No. SAFMS-180EB Revision: A

FAA APPROVED  
SUPPLEMENTAL AIRPLANE FLIGHT MANUAL  
or  
AIRPLANE FLIGHT MANUAL SUPPLEMENT  
for  
CESSNA MODEL 180, 182, and 185 SERIES AIRPLANES

Reg. No. \_\_\_\_\_

Ser. No. \_\_\_\_\_

This document serves as a Supplemental Airplane Flight Manual (SAFM) for Cessna Model 180C through 180K Series airplanes (through Model 180K S/N 18053000), Cessna Model 182 through 180D Series airplanes (through Model 182D S/N 18253598), Cessna Model 185, 185A, 185B, 185C, 185D, and 185E Series airplanes (Model S/N 632, 185-0001 through S/N 185-1149) or as an Airplane Flight Manual Supplement (AFMS) for Cessna Model 180, 180A, 180B, and 180K Series airplanes. This document must be carried in the airplane at all times when the Aerovative Composites, Inc. Extended Baggage Compartment is installed in accordance with Supplemental Type Certificate (STC) Number SA02180AK. The information contained in this document supplements or supersedes the information made available to the operator by the manufacturer in the form of clearly stated placards, markings, or manuals as required by CAR 3.777(b) or in the form of an FAA approved Airplane Flight Manual (AFM) only in those areas listed. For limitations, procedures, and performance information not contained in this document, consult the basic placards, markings, or manuals or the basic FAA approved airplane flight manual.

FAA Approved:   
Manager, Aircraft Certification Office  
Federal Aviation Administration  
Anchorage, Alaska

DATE: SEP 14 2011

LOG OF REVISIONS

REVISION		PAGES REVISED AND DESCRIPTION OF REVISIONS	APPROVAL SIGNATURE
NO.	DATE		
---		ORIGINAL ISSUE	
A	06/13/2011	All, Added 182 and 185 series.	<i>AAA</i>

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SECTION I. GENERAL: The Aerovative Composites, Inc. P/N 180EB Extended Baggage Compartment consists of a 2-piece fiber composite structural assembly that attaches internally to the aircraft fuselage bulkhead assemblies @ FS 108 and FS 140. It allows for storage of primarily large, light, bulky items in the previously unused fuselage volume between FS 108 and FS 140.

SECTION II. LIMITATIONS:

Aerovative Composites, Inc., Extended Baggage Compartment, P/N 180EB

1. Maximum Weight for Extended Baggage Area is **50 Pounds**.
2. Cessna cargo net (P/N 2015009-3 or equivalent) is a required part of the extended baggage compartment installation.
3. Items placed in the extended baggage compartment shall be of sufficient size to be restrained by the cargo net.
4. The following placards must be installed:

The following placards are required to be located on the face of the bulkhead assembly at fuselage station 108, or on the inside of the baggage door.

**50 POUND MAXIMUM LOAD  
REFER TO WEIGHT & BALANCE DATA  
FOR BAGGAGE/CARGO LOADING**

**CAUTION  
For float-equipped airplanes the allowable weight in the extended  
baggage area may be less than 10 pounds depending on airplane  
loading.**

SECTION III. Weight and Balance

1. It is the responsibility of the pilot and operator to see that the airplane weight and balance are maintained within FAA approved limits.

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SECTION III. Weight and Balance-Continued

2. Use caution to prevent exceeding the aft C.G. limit for floatplanes. It is possible to load outside the aft C.G. limit without exceeding the 50 lb. maximum weight of the extended baggage area. No operations outside the aft C.G. limit are approved by this extended baggage installation.
3. When calculating the airplane gross weight and center of gravity (C.G.) location, the following should be used to determine baggage moment:

Baggage Area	Weight – lbs.	Arm * - in.	Moment – in.-lbs.
Standard Baggage (Area 1.)		(+95) 180 and 182 (+94) 185	
Extended Baggage (Area 2.)		(+124)	

\*Arms are measured from the datum to the center of baggage areas under consideration.

Note:

1. Moment = Weight X Arm.
2. Extended baggage area is between fuselage station 108 and fuselage station 140.
3. Maximum weight for the extended baggage area is 50 pounds.

SECTION IV. EMERGENCY PROCEDURES: Unchanged

SECTION V. NORMAL PROCEDURES: Unchanged

SECTION VI. PERFORMANCE: Unchanged

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