

		AEROCET Incorporated		
ISSUE DATE:	6/04/01	TITLE: AIRPLANE FLIGHT MANUAL SUPPLEMENT SUBTITLE: AEROCET MODEL SP1-100 CARGO POD FOR CESSNA 180 & 185 AIRCRAFT	PAGE	1 of 4
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FAA-APPROVED

**AIRPLANE FLIGHT MANUAL SUPPLEMENT OR
SUPPLEMENTAL AIRPLANE FLIGHT MANUAL**

**CESSNA MODELS 180, 180A, 180B, 180C, 180D, 180E, 180F, 180G 180H, 180J, 180K,
185, 185A, 185B, 185C, 185D, 185E, A185E, AND A185F AIRPLANES**

WITH


AEROCET "SKYPOD" CARGO BELLY POD P/N SP1-100

Registration Number _____
Serial Number _____


This document serves as a Airplane Flight Manual Supplement for Cessna Models 180, 180A, and 180B airplanes or as a Supplemental Airplane Flight Manual for Cessna Model 180C, 180D, 180E, 180F, 180G, 180H, 180J, 180K, 185, 185A, 185B, 185C, 185D, 185E, A185E, and A185F airplanes. This document must be carried in the airplane at all times when the Aerocet Skypod, P/N SP1-100, is installed in accordance with Supplemental Type Certificate No. SA02179AK. The information contained in this document supplements or supercedes 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, only in those areas listed herein. 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, Seattle Aircraft Certification Office

FAA Approved Date: _____

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Log of Revisions

REV.	PAGES AFFECT.	DESCRIPTION	DATE	APPROVED
OR	ALL	Original Release	6/04/01	
A	ALL	<p>Reformatted document with Aerocet logo and header throughout.</p> <p>Changed company name multiple places within document from "Alaska SkyCraft" to "Aerocet". Locations include; Cover page title text and Supplement Block statement, page 1, Section 1, paragraph 1, page 3, and Section 6, paragraph 1, page 4.</p> <p>Added "Log of Revisions", page 2 to document.</p>	12/01/11	

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FLIGHT MANUAL SUPPLEMENT AEROCET MODEL SP1-100 CARGO POD

SECTION 1: GENERAL

The Aerocet Model SP1-100 “SkyPod” provides additional cargo and loading space for operators of Cessna Models 180 and 185. The pod may be used on both landplanes and floatplanes. It is made of fiberglass.

The pod has two loading doors, one on each side, which are secured by quick-release fasteners. Dimensions of the pod and the loading door openings are shown in Section 6. The pod is attached to the bottom of the fuselage with screws into rivnuts. After initial installation, it can be easily removed or installed. No other modifications to the aircraft are necessary. If the pod is installed on a floatplane, it will be necessary on the initial installation to cut holes in the pod for the cross brace wires. Instructions are provided for locating and cutting these holes.

SECTION 2: LIMITATIONS

The ADF (if installed) bearing accuracy may be adversely affected by the type and / or arrangement of the cargo pod contents.

The following limitations must be presented in the form of placards located on the inside of the SkyPod left side door:

REFER TO WEIGHT AND BALANCE DATA FOR BAGGAGE/CARGO LOADING.
NEVER EXCEED 300 POUNDS CARGO WEIGHT.

For 185 aircraft:

FUEL DRAINS LOCATED INSIDE SKYPOD ON LOWER FUSELAGE SKIN.

SECTION 3: EMERGENCY PROCEDURES

There are no changes to the aircraft emergency procedures when the SkyPod is installed.

SECTION 4: NORMAL PROCEDURES

There are no changes to the airplane normal procedures when the SkyPod is installed. However, the pilot should consider loading and weight and balance issues, keeping in mind that the allowable gross weight of the airplane and its approved center of gravity envelope, do not change when the SkyPod is installed.

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SECTION 5: PERFORMANCE

Climb performance with the Skypod installed has been determined by flight test to be approximately 25 ft/min less for these airplanes on wheels, and approximately 10 ft/min less for a floatplane, compared to the values shown in the Rate of Climb chart for the standard airplane.

To obtain speed performance for the airplane on wheels with the Skypod installed, the speed differentials shown in the table below should be subtracted from the TAS values given in the cruise performance charts for the standard airplane.

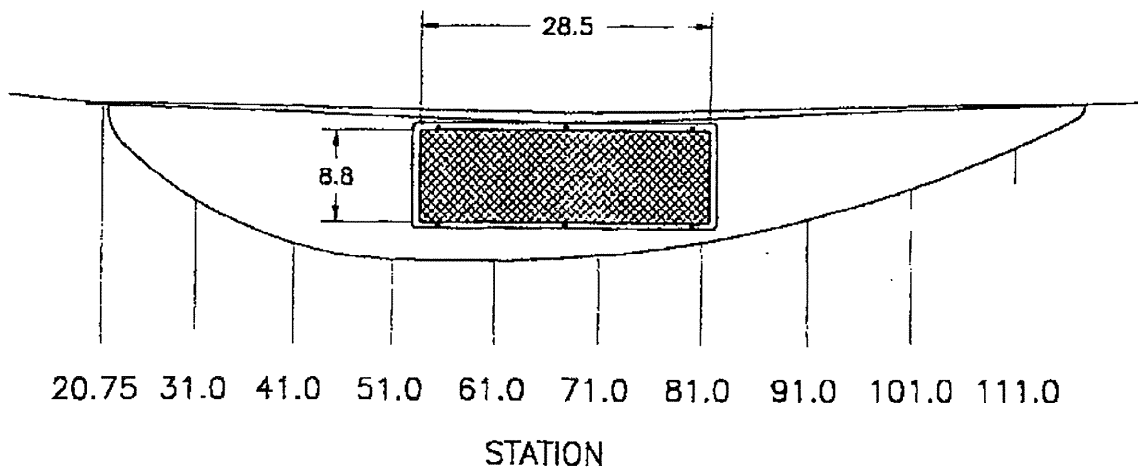
SPEED DIFFERENTIAL TABLE

% BHP	Speed Loss mph
75	1
65	2
55	3
45	4

There was no measureable speed loss on the floatplane.

SECTION 6: WEIGHT AND BALANCE

The Aerocet Model Sp1-100 “SkyPod” has a capacity of 300 pounds. This load may be anywhere in the pod, but should be distributed evenly, if possible. The pilot should consider weight and balance issues, as always, remembering that the gross weight of the airplane and its approved weight and balance envelope are not changed when the Skypod is installed. The Drawing below shows the location of the pod, the size of the door openings, and airplane station numbers to aid in calculating the moment change due to the load in the pod.



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