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**FAA Approved Pilot's Operating Handbook,
Airplane Flight Manual Supplement
and Supplemental Airplane Flight Manual
Floatplane Supplement**

185.19

**CESSNA MODEL A185F floatplane
Serial No. 18502091 through 18503939 and on.
Equipped with
EDO-AIRE MODEL 582-3430 Seaplane Floats IAW STC SA832EA**

This document must be carried on board and attached to the Pilot's Operating Handbook and FAA Approved Airplane Flight Manual when the Cessna 185 with EdoAire Model 582-3430 Seaplane floats per STC SA832EA is modified by the installation of the Flint Aero Wing Tip Fuel Tanks in accordance with STC SA 8036NM.

The information contained herein Supplements or Supersedes the basic Cessna flight manual including the Amphibian Supplement and the EDO-AIRE FLIGHT MANUAL SUPPLEMENT No. E-2 Report ECC-466 only in those areas listed herein. For limitations, procedures, and performance information not contained in this document, consult the basic placards, Cessna Pilot's Operating Handbook, Cessna Airplane Flight Manual including the Amphibian Supplement, and the EDO-AIRE FLIGHT MANUAL SUPPLEMENT No. E-2, Report ECC-466 and FLINT AERO, INC. FAA APPROVED PILOT'S OPERATING HANDBOOK AIRPLANE FLIGHT MANUAL SUPPLEMENT NO. 185.14.


Manager, Flight Test Branch, ANM-160L
Federal Aviation Administration
Los Angeles Aircraft Certification Office
Transport Airplane Directorate
FAA APPROVED DATE: Dec 3, 1996

STC SA8036NM	FLINT AERO, INC SUPPLEMENT AFM, P.O.H. AND AFM SUPPLEMENT TO CESSNA MODEL A185F FLOATPLANE SUPPLEMENT EDO-AIRE MODEL 582 SEAPLANE FLOATS	Page P-1
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REVISIONS AND ADDITIONS

REV LEV	DATE	PAGES AFFECTED	REMARKS	APPROVED BY
IR	12/03/96	Title	Installation of wing tip fuel tanks	<i>[Signature]</i> Manager, Flt. Test Branch FAA Los Angeles ACO ANM160L Date <i>Dec 3, 1996</i>
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SECTION I

GENERAL
INTRODUCTION

This supplement provides information not found in the basic handbook which is required to be furnished to the pilot by FAR 21.5. It includes procedures and data required for the safe and efficient operation of the Cessna Model A185F equipped with EDO-AIRE Model 582-3430 seaplane floats installed per STC SA832EA, when modified by the installation of Flint Aero Wing Tip Fuel Tanks in accordance with STC SA8036NM.

Information contained in the Model A185F basic FAA approved Cessna Floatplane Supplement for the Model A185F equipped with EDO-AIRE 582-3430 seaplane floats, which is the same as that for the Flint Aero modified floatplane is generally not repeated in this supplement.

Information contained in the Flint Aero Supplemental AFM, POH, and AFM Supplement 185.14 for airplanes modified by the installation of Flint Aero Wing Tip Fuel Tanks in accordance with STC SA8036NM, which is the same as that for the Flint Aero modified floatplane is generally not repeated in this supplement.

Wherever the words "Not Applicable" appear in this Supplement, they are used to indicate that information may not be the same as that shown in the Cessna Supplement and is not required by the airplane certification basis, and therefore should not be used.

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PERFORMANCE - SPECIFICATIONS

SPEED: NO CHANGE

CRUISE: Range increases in proportion to the amount of additional fuel carried in the wing tip extended tanks. There is no significant change in the specific range.

RATE OF CLIMB AT SEA LEVEL: NO CHANGE

SERVICE CEILING: NOT APPLICABLE

TAKEOFF PERFORMANCE: Increase takeoff water run distances by 12 percent for each 100 pounds gross weight over the weight shown in the Cessna 185 Floatplane Owner's Manual Supplement.

LANDING PERFORMANCE: Increase landing water run distances by 3 percent for each 100 pounds gross weight over the weight shown in the Cessna 185 Floatplane Owner's Manual Supplement.

STALL SPEED (CAS): SEE TABLE 1

MAXIMUM WEIGHT:

TAKEOFF: 3600 LB.

LANDING: 3600 LB.

EMPTY WEIGHT:

See actual weight and balance form for airplane.

MAXIMUM USEFUL LOAD:

See actual weight and balance form for airplane.

BAGGAGE ALLOWANCE:

IN AIRPLANE: NO CHANGE

IN EACH FLOAT BAGGAGE COMPARTMENT: NO CHANGE

(CAUTION: See LIMITATIONS SECTION)

WING LOADING: POUNDS/SQ.FT. (@ 3600 LBS) = 19.35

POWER LOADING: POUNDS/HP (@ 3600 LBS) = 12.0

FUEL CAPACITY: SEE SECTION 2 OF FLINT AERO AFM SUPPLEMENT

OIL CAPACITY: SAME

ENGINE: SAME

PROPELLER: SAME

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SECTION 2
LIMITATIONS

1. Airspeed Limitations
All airspeed limitations remain unchanged.
2. Airspeed Indicator Markings
Airspeed indicator color code significance remains unchanged. The lower limit of the white arc of the indicator is increased for each model by 3 knots or 3 MPH as appropriate.

Gross Weight

For Cessna A185F airplanes with Edo-Aire 582-3430 Seaplane Floats installed per STC SA832EA, when modified by the installation of Flint Aero wing tip fuel tanks in accordance with STC SA8036NM, the maximum gross takeoff and landing weight is 3600 lbs.

For installation of other modifications by STC, the maximum gross weight is limited to that which is authorized by each particular STC. The pilot is advised to determine this gross weight limit from each appropriate STC.

4. Center of Gravity Limits
-Center of gravity range, inches aft of datum, moment in lb./1000

<u>Forward Limit</u>		<u>Aft Limit</u>		<u>Weight, lb.</u>
<u>Inches</u>	<u>Moment</u>	<u>Inches</u>	<u>Moment</u>	
43.4	156.2	46.5	167.4	3600
34.1	71.6	46.5	97.7	2100
34.1	61.4	46.5	83.7	1800

Straight line fairing between points.

5. Placards
No change.

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