

**Flight / Operating Manual
Supplement**

Cessna 182 Series aircraft
Fitted with ART "*WingExtensions* "
Models R1582, R1582-1, R1582-SS, R1582-1-CS
in Accordance with STA # SA 93-136 or
STC # SA00276 NY

The information contained in this supplement supersedes that contained in the basic flight / operating manual for the airplane, otherwise the basic flight manual and other applicable supplements are applicable to the modified airplane. Compliance with Section 2 is mandatory.

This supplement is to be attached to the approved Flight / Operating manual for the airplane.

DOT Approved 24 Jul 97
Date

(stamp)


A/Chief, Flight Test
for Director, Aircraft Certification
Transport Canada

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Log of Amendments to
Flight Manual supplement for Cessna 182
with
ART "*WingExtensions*" installed
Models R 1582, R 1582-1, R 1582-SS, R 1582-1-CS

Number	Date inserted	Signature	Effected pages	Approved by

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Section 1 GENERAL

The ART R 1582 "*WingExtensions* " increase the wingspan of the aircraft by 37.75 inches, to 39 ft. 1.75 inches, thereby adding 12.4 Sq. ft to the total wing area.

The all aluminium wing extension kit, including paint and spar reinforcement, increases the basic weight of the aircraft by 17 lbs. at an average ARM of 52" in. aft of datum.

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Section 2

LIMITATIONS (continued)

Center of Gravity Limits

Models 182,182A thru D Landplane and Seaplane:

Forward: (+39.94) aft of datum at all weights above 2550 lbs. or as otherwise limited by the float installation.

Aft Landplane: (No change).

Aft Seaplane: (+43.32) aft of datum at all weights above 2550 lbs. or as otherwise limited by the float installation.

Models 182E thru M Landplane and Seaplane:

Forward: (+39.94) aft of datum at all weights above 2800 lbs. or as otherwise limited by the float installation.

Aft Landplane: (No change).

Aft Seaplane: (+43.32) aft of datum or as otherwise limited by the float installation.

Section 3

EMERGENCY PROCEDURES

-No change

Section 4

NORMAL PROCEDURES

-No change

Section 5

PERFORMANCE

Stall Speeds

With the wing extensions installed, the Stalling speeds at 2950 lbs. are approximately the same as the basic aircraft.