

United States of America
Department of Transportation -- Federal Aviation Administration
Supplemental Type Certificate
Number SA1098WE

This certificate issued to RAYJAY Parts LLC
10 Harbor Island Drive
Key Largo, Florida 33037

certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part 3 of the Civil Air Regulations.

Original Product--Type Certificate Number 3A21
Make : Cessna
Model : 210, 210A, 210B, 210C, 210-5(205), & 210-5A(205A)

Description of Type Design Change: Installation of Roto-Master (Rajay) turbocharged Continental IO-470-E or IO-470-S engine in accordance with FAA sealed Roto-Master (Rajay) Drawing List No. RJ1600, or later FAA approved revisions.

Limitations and Conditions: See STC SA1098WE Addendum which is a portion of this Supplemental Type Certificate.

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 : Feb. 25, 1965

Date of issuance : Nov. 5, 1965

Date reissued : Jan. 14, 1969; Feb. 10, 1982;
Oct. 30, 1987; Sept. 22, 1995;
Nov. 14, 2003; July 3, 2006

Date amended : Feb. 3, 1970; Aug. 11, 1977;
Mar. 21, 1985

By direction of the Administrator



(Signature)
Melvin D. Taylor, Manager
Atlanta Aircraft Certification Office

(Title)
Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.
This certificate may be transferred in accordance with FAR 21.47.

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Supplemental Type Certificate

(Continuation Sheet)

Number SA1098WE

March 21, 1985

Supplemental Type Certificate Addendum No. SA1098WE

The conditions and limitations of Type Certificate Data Sheet No. 3A21 apply except where superseded by the following:

This data sheet, which is a part of Supplemental Type Certificate No. SA1098WE, prescribes conditions and limitations under which the product for which the STC was issued meets the airworthiness requirements of the Federal Aviation Regulations.

Supplemental T.C. Holder: RAYJAY Parts LLC
10 Harbor Island Drive
Key Largo, Florida 33037

1. Models 210, 210A, 210B, 210C, 210-5(205) & 210-5A(205A) (Normal Category) as modified by STC No. SA1098WE

Engine	Continental IO-470-E (Models 210, 210A only) or IO-470-S (Models 210B, 210C, 210-5(205), 210-5A(205A) only) modified to incorporate turbochargers in accordance with Supplemental Type Certificate No. SE96SO.
Fuel	100/130 Min. Grade Aviation Gasoline
Engine Limits	Unturbocharged – same as original Turbocharged – Take Off – 28.0 in. Hg at 2625 RPM (3 min.) Max. Continuous – 27.0 in Hg at 2500 RPM
Propeller and Propeller Limits	Same as original except - High pitch setting Hartzell HC-A2XF-1/8433-2-30° at 30 in station. McCauley D2A34C49/90A-8 or D2A36C33/90M-8 27° at 36 in. station.
Airspeed Limits	Same as original except - Reduce V_{ne} 5MPH per 1,000 ft. above 22,000 ft. MSL for Models 210 and 210A and above 17,000 ft. MSL for Models 210B, 210C, 210-5(205), and 210-5A(205A).

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

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Placards The following placards must be located as shown on Roto-Master (Rajay) Drawing No. RJ1601, Sheet 6:

“MIN. CONT. CLIMB SPEED TURBOCHARGED MAX. CONT.
C.A.S. 115MPH”

“FOR EMERGENCY DESCENT IDLE POWER GEAR DOWN -
C.A.S. 160MPH”

“TURBOCHARGER OPERATION POWER LIMITS
TAKEOFF: 28.0” MAP AT 2625RPM (3MIN.)
MAX CONT.: 27.0” MAP AT 2500 RPM”

**”REDUCE V_{NE} 5 MPH PER 1,000 FT. ABOVE 22,500 FT. MSL”

***”REDUCE V_{NE} 5 MPH PER 1,000 FT. ABOVE 17,000 FT MSL”

“THIS AIRPLANE HAS NOT BEEN FAA EVALUATED FOR
FLIGHTS ABOVE 25,000 FT.”

“WIDE OPEN THROTTLE BEFORE ENGAGING TURBOCHARGER”
“100/130 MIN. GRADE AVIATION GASOLINE”

*Models 210 and 210A only

**Models 210B, 210C, 210-5(205), and 210-5A(205A) only

Limitation of The approval of this change in type design applies to the basic Cessna 210, 210A, 210B, 210C, 210-
Applicability 5(205)& 210-5A(205A). This approval should not be extended to other aircraft of these models on
which other modifications are incorporated unless it is determined that the interrelationship between
this change and any previously approved modification will introduce no adverse effect on the
airworthiness of these aircraft.

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