

United States of America
Department of Transportation -- Federal Aviation Administration
Supplemental Type Certificate
Number SE32WE

This certificate issued to RAYJAY Parts LLC
10 Harbor Island Drive
Key Largo, Florida 81147

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 13 of the Civil Air Regulations.

Original Product--Type Certificate Number 1E10
Make : Lycoming
Model : IO-360-A1A, A1B, A1C, A2A, A2B, A2C, B1A, B1B, B1C, B1D, B1E, B1F, B2E, B2F, B4A, C1A, C1B, C1C, D1A, E1A, C1E6, & LIO-360-C1E6, AEIO-360-A1A, A1B, A2A, A2B, B1B

Description of Type Design Change: Installation of Turbochargers P/N's 600573-00 (formerly RJ 0326, RJ 0326-1), 600576-00 (formerly RJ 0326-2), and 600577-00 (formerly RJ 0329) in accordance with FAA sealed Roto-Master (formerly Rajay) Drawing No. RJ 4999, dated December 5, 1966, revised on September 23, 1982, or later FAA approved sealed revision.

Limitations and Conditions: See attached Supplemental Type Certificate SE32WE Addendum which is part of this certificate, for the applicable operating limitations.

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 : December 6, 1966

Date of issuance : January 12, 1967

Date reissued : Jan. 14, 1969; Feb. 10, 1982;
Sept. 24, 1982, Oct. 30, 1987;
Sept. 22, 1995, Dec. 12, 2003;
June 26, 2006

Date amended : Sept. 17, 1970, Oct. 22, 1974;
Nov. 13, 1974; March 31, 1978



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.

Supplemental Type Certificate

(Continuation Sheet)

Number SE32WE

September 24, 1982

ADDENDUM

OPERATING LIMITATIONS

The limitations prescribed in FAA Engine Type Certificate Data Sheet No. 1E10 are applicable except as noted below:

| Operation | Altitude | MAP | RPM |
|--------------------|-------------------------|------|------|
| | Normal Operation | | |
| T.O. | S.L. | F.T. | 2700 |
| Max. Cont. | S.L. | F.T. | 2700 |
| | Turbocharged. Operation | | |
| For all operations | 3500 to 20,000 | 28.5 | 2700 |
| | 20,000 to 25,000 | 25.0 | 2700 |

Air Throttle Valve Inlet Air Temp 238° F. Max.

Throttle must be wide open prior to and during turbocharger operation. Wastegate must be fully open prior to moving throttle from wide open position.