

United States of America
Department of Transportation -- Federal Aviation Administration
Supplemental Type Certificate
Number SA2243WE

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 23 of the Federal Aviation Regulations. Effective February 1, 1965, and Amendments 23-1 thereto.

Original Product -- Type Certificate Number A17EU
Make : Britten Norman
Model : BN-2, BN-2A, BN-2A-6, BN-2A-8, BN-2A-9

Description of Type Design Change: Installation of Rajay turbocharged Lycoming O-540-E4C5 engine in accordance with FAA sealed Rajay Drawing List RJ5200, dated September 10, 1970 or later FAA sealed revision.

Limitations and Conditions: The engine must be previously modified to incorporate two turbochargers in accordance with Supplemental Type Certificate No. SE40WE. The FAA Approved Airplane Flight Manual Supplement No. 1 dated September 10, 1970, is required for Model BN-2 and BN-2A, and Supplement No.1 as revised August 29, 1972, for Models BN-2A-6, BN-2A-8, and BN-2A-9, and Supplement No. 2 dated March 16, 1978, is required where turbocharger system equipped with wastegate automatic controls are installed. A copy of the STC must be included in the permanent records of each aircraft modified in accordance with this STC.

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. 19, 1970

Date reissued : Feb. 10, 1982; Oct. 30, 1987; Sept. 22, 1995;
Apr. 1, 2004; Apr. 25, 2005; July 3, 2006

Date of issuance : Sept. 10 1970

Date amended : May 26, 1971; Aug. 29, 1972;
Mar. 16, 1978



By direction of the Administrator

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

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

United States of America
Department of Transportation – Federal Aviation Administration

Supplemental Type Certificate

(Continuation Sheet)

Number SA2243WE

STC Addendum No. SA2243WE

The conditions and limitations of Type Certificate Data Sheet No. A17EU and STC SE40WE apply except where superseded by the following:

This data sheet, which is a part of STC No. SA2243WE 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 BN-2 and BN-2A

Engine – Lycoming O-540-E4C5 modified to incorporate turbosuperchargers per STC SE40WE.

Fuel – Minimum grade Aviation Fuel 100/130

Engine Limits -	MP-“HgA	RPM	ALTITUDE – FT
Take Off	28.5	2700	3,500 to 14,000
Max. Continuous	28.5	2700	3,500 to 14,000
Max. Continuous	27.0	2500	Above 14,000

Do not operate turbochargers below 3,500 feet.

FAA approved Rajay Industries Flight Manual Supplement dated September 10, 1970, is required with this installation.

Limitation of Applicability: The approval of this change in Type Design applies to Britten Norman Models BN-2 and BN-2A as noted above. This approval should not be extended to other specific airplanes of these models on which other previously approved modifications are incorporated unless it is determined that the interrelationship between this change and any of the other previously approved modifications will introduce no adverse effects upon the airworthiness of those airplanes.

United States of America
Department of Transportation – Federal Aviation Administration

Supplemental Type Certificate

(Continuation Sheet)

Number SA2243WE

August 10, 1982

LIMITATIONS AND CONDITIONS

1. The Lycoming O-540-E4C5 engines must incorporate turbosuperchargers in accordance with STC SE40WE.
2. The FAA approved Rajay Airplane Flight Manual Supplement, dated September 10, 1970, is required for Models BN-2 and BN-2A with this installation. This Airplane Flight Manual Supplement as revised August 29, 1972, is required for Models BN-2A-6, BN-2A-8, and BN-2A-9 with this installation.
3. The approval of this change in type design applies to the basic Britten Norman BN-2A series aircraft of the models noted on page 1 of this STC. 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.

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