

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

Number SA02564CH

This certificate issued to

Rickenbacker Avionics, LLC
2820 Bobmeyer Road, Hangar C-6
Hamilton, OH 45015-1308

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 23 of the Federal Aviation Regulations. (See Page 3 for complete certification basis)

Original Product--Type Certificate Number: 2A4

Make: Twin Commander

Model: 690B

Description of Type Design Change:

Installation of a Bendix/King EFS-50 Electronic Flight Instrument System in accordance with Rickenbacker Avionics Master Data List, Document No. 05-0014MDL, Revision 2, dated May 14, 2008, or later FAA approved revision.

Limitations and Conditions:

1. Descriptive data pertaining to this design change are considered inadequate for duplication in other aircraft. This approval is limited to only the installation made in Twin Commander 690B, Serial Number 11517.
2. FAA Approved Flight Manual Supplement, Rickenbacker Avionics Document No. 05-0014FMS, Revision IR, approved May 20, 2008, or later FAA approved revision is a required part of this STC.
3. FAA Approved Instructions for Continued Airworthiness, Rickenbacker Avionics Document No.05-0014ICA, Chapter 10 - Airworthiness Limitations, Revision 1, approved April 18, 2008, or later FAA approved revision is required for this modification.

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: October 03, 2005

Date reissued:

Date of issuance: May 22, 2008

Date amended:

By direction of the Administrator



(Signature)

Charles L. Smalley, Manager
Systems and Flight Test Branch
Chicago Aircraft Certification Office

(Title)

Supplemental Type Certificate

(Continuation Sheet)

Number SA02564CH

Date of Issuance: May 22, 2008

Certification Basis (continued)

Based on 14 CFR §§ 21.101 and 21.115, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for the Commander 690B aircraft with the installation of the Bendix/King EFS-50 Electronic Flight Instrument System is as follows:

- a. The type certification basis for Commander 690B airplane is shown on TCDS 2A4 for parts **not changed or not affected** by the change.
- b. The certification basis for parts **changed or affected** by the change since the reference date of application, October 03, 2005, is based upon part 23 as amended by Amendment 23-55 and included in Special Conditions 23-191-SC, dated June 12, 2006 (HIRF). Based on 14 CFR §§ 21.101 and 21.115, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for this modification is determined to be:

Regulations at the latest amendment 23-0 through 23-55

23.301; 23.303; 23.305(a), (b); 23.307(a); 23.365(a), (b), (c), (d); 23.561(a), (b), (e); 23.571(a), (c); 23.573(b); 23.575; 23.601; 23.603; 23.605(a); 23.607; 23.609; 23.611; 23.613(a), (b), (c), (d); 23.619; 23.625(a); 23.627; 23.771(a); 23.773(a)(2); 23.777(a), (b); 23.867; 23.1301(a), (b), (c), (d); 23.1303(a), (c), (e), (f); 23.1307; 23.1309(a), (b), (c), (d), (e); 23.1311(a), (b); 23.1321(a), (c), (d), (e); 23.1322; 23.1327(a); 23.1331 (a), (b); 23.1335; 23.1351(a); 23.1353(a), (b), (c), (d), (e), (h); 23.1357(a), (b), (c), (d); 23.1359(b), (c); 23.1365(a), (b), (d), (e), (f); 23.1367; 23.1381; 23.1431; 23.1501; 23.1529; 23.1541(a), (b); 23.1543; 23.1545; 23.1547; 23.1581(a), (b), (c), (d), (f); 23.1583(m); 23.1585(a), (j).

-----END-----