

United States Of America  
Department of Transportation - Federal Aviation Administration

# Supplemental Type Certificate

*Number* SR02209AK

*This Certificate issued to* Chelton Flight Systems, Inc.  
1109 Main St., Suite 560  
Boise, ID 83702

*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 \* of the \* Regulations.*

*Original Product Type Certificate Number:* \* \* See attached FAA Approved Model List (AML) No. SR02209AK, dated  
*Make:* \* June 12, 2003, for a list of approved  
*Model:* \* aircraft models and applicable  
airworthiness regulations.

*Description of Type Design Change:* Installation of FlightLogic Synthetic Vision Electronic Flight Information System (EFIS-SV), in accordance with Chelton Flight Systems, Inc., System Installation Instructions, Document Number 150-045264, Revision G, dated June 11, 2003, or later FAA approved revision.

*Limitations and Conditions:*

1. Compatibility of the design change with previously approved modifications must be determined by the installer.
2. FAA approved Rotorcraft Flight Manual Supplement, Document Number 150-045709, Revision B, dated June 12, 2003, or later FAA approved revision is a required part of this installation.
3. For Instructions for Continued Airworthiness, refer to Document Number 150-045284, Revision A, dated May 30, 2003, or later FAA approved revision.
4. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

*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:* April 25, 2002

*Date reissued:*

*Date of issuance:* May 30, 2003

*Date amended:* June 12, 2003



*By direction of the Administrator*  
*Gregory J. Holt*

(Signature)

Gregory J. Holt  
Manager  
Anchorage 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.



U.S. Department  
of Transportation

**Federal Aviation  
Administration**

Small Airplane Directorate  
Anchorage Aircraft Certification Office  
222 W. 7th Avenue, Unit 14, Room 128  
Anchorage, Alaska 99513-7587

June 12, 2003

Mr. Gordon Pratt  
President  
Chelton Flight Systems  
1109 Main Street, Suite 560  
Boise, Idaho 83702

Dear Mr. Pratt:

We have completed our evaluation of your amended Supplemental Type Certificate (STC) No. SR02209AK that approves a Bell 206 instrument panel glare shield extension and removes the "Day VFR-Only" limitation. We find that you have satisfactorily demonstrated compliance with the applicable certification regulations. Accordingly, we have enclosed amended STC No. SR02209AK, which indicates our approval of the installation of FlightLogic Synthetic Vision Electronic Flight Information System (EFIS-SV), in accordance with Chelton Flight Systems, Inc., System Installation Instructions, Document Number 150-045264, Revision G, dated June 11, 2003, or later FAA approved revision.

This STC is official Federal Aviation Administration (FAA) approval of your modification, subject to the limitations noted on the certificate. This STC may be transferred or otherwise made available to another party by means of a licensee arrangement in accordance with Title 14 Code of Federal Regulations (CFR) Part 21.47. You are required to advise this office within 30 days after the transfer, when you transfer or grant licensee rights to this STC in order that we may take the necessary recording or reissuance action.

Enclosed is an FAA sealed or signed copy of your Airplane Flight Manual Supplement. This document should be retained in your files together with the original of this STC as evidence of FAA approval. Another sealed or signed copy of this document will be retained in our files.

***PLEASE NOTE:***

***As of June 30th, 1997, the holder of an STC is required to provide to each customer a document that authorizes that customer make the modifications approved by the STC. This new requirement, which is a part of Public Law 104-264 (the Federal Aviation Authorization Act of 1996), is being implemented by the FAA in accordance with FAA Notice 8110.69 issued June 30th, 1997. This written document must contain at least as much information as needed to identify the STC, the customer, and the aircraft, engine, propeller, or appliance serial number(s) being modified. Each permission document must also be duly signed and dated by you (or by another person legally authorized by you). The STC that is being issued***

*to you has wording in the Limitations section that requires you, the approval holder, to provide an individual permission document to each and every one of your customers/installers. These customers should also be made aware that they are responsible for maintaining the permission document as part of the aircraft records until such time as the modification is removed or the modified product or appliance is sold or transferred.*

As recipient of this Certificate, you are required to comply with the failure, malfunction, and defect reporting requirements of 14 CFR 21.3. Reports should be communicated initially by telephone to the Manager of the Anchorage Aircraft Certification Office, telephone number (907) 271-2668, within 24 hours after it has been determined that the failure has occurred. In addition, written notification to the Manager, Anchorage Aircraft Certification Office; 222 West 7th Avenue, Unit 14, Room 128, Anchorage, Alaska 99513-7587, is required. FAA Form 8010-4 (Malfunction or Defect Report) or any other appropriate format is acceptable in transmitting the required details. An electronic version of FAA Form 8010-4 is now available at Internet address:

<http://www.faa.gov/certification/aircraft/forms.htm>

Select "8010-4" and click. To use the electronic form, select "Malfunction of Defect Submission Form" after the page opens. When you have completed filling out the form, submit it by using the "Submit Report" button at the top left of the form.

If you make any changes to your FAA approved design data, you must do so in accordance with 14 CFR 21.93, 21.95, 21.97, and (if you are producing parts under an FAA-PMA) 14 CFR 21.303(h)(7). The following procedures meet these regulations:

**Minor** design changes may be submitted to this office for approval at regular intervals, but **must** be submitted within six months after you place them into production. Include one copy of each drawing affected by the change(s), a copy of the engineering change order, and any changes to aircraft installation eligibility that result from the design change(s).

**Major** design changes must be submitted to this office for approval **before** you place them into production. Major design changes are changes that are significant enough to require new engineering analysis, new testing, and/or the establishment of one or more new part numbers. Include two copies of each drawing affected by the change(s), a copy of the engineering change order, any changes to aircraft installation eligibility that result from the design change(s), and all data necessary to prove that the changed part continues to meet the applicable airworthiness requirements of the Federal Aviation Regulations.

All data pertaining to this modification are contained in our Project File Number ST0584AK-R. Reference should be made to this number in any inquiries regarding this project. If you have any further questions regarding the STC or its supporting data contact Mr. Nick Miller at (907) 271-1969.

Since I am very much interested in the service we provide to the Alaskan aviation community and the public, it would be helpful if you would provide your thoughts and comments regarding how the approval process went. To gather this information, we have enclosed a short survey (with a self-addressed, stamped envelope) that I hope you will fill out and return. You will note that the return envelope is addressed to me. Also, you may rest assured that your comments will receive my full attention and will, of course, be held in confidence.

Finally, I would like to personally congratulate you on your success as an FAA approval holder and say that I look forward to working with you in the future.

Sincerely,

A handwritten signature in black ink that reads "Gregory J. Holt". The signature is written in a cursive style with a large initial "G".

Gregory J. Holt  
Manager, Anchorage Aircraft Certification Office

Enclosures

cc: Project File  
Read File

FAA APPROVED MODEL LIST (AML) SR02209AK  
FOR  
CHELTON FLIGHT SYSTEMS

STC Issue date: May 30, 2003  
Amended: June 12, 2003

Model

Type Certificate Number

Bell Helicopter Textron Models  
206A; 206B; 206L; 206L-1; 206L-3; 206L-4

H2SW, Rev 40, 4/12/2001

Certification Basis

CAR 6

FAA APPROVED:



Manager, Anchorage Aircraft Certification Office  
Federal Aviation Administration  
Anchorage, Alaska

Date: June 12, 2003