

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

Number SA01725WI

This certificate issued to:

A & L Aircraft Parts, Inc
8300 E. 32nd St North
Wichita, KS 67204

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:

A-806

Make:

Viking Air Limited (DeHavilland) Beaver

Model:

DHC-2 Mk.I

Description of Type Design Change:

Installation of Pratt & Whitney R-985-AN-14B or R-985-AN-1 engine modified for fuel injection per STC SE01651WI and JP Instruments EGT-701. Data required:

1. Radial Engines, Ltd., Master Drawing List Report, REL1006-9 Revision IR, dated February 11, 2013; and
2. Radial Engines, Ltd., Airplane Flight Manual Supplement, REL1006-6 Revision IR, dated August 20, 2013, or later FAA Approved revisions

Limitations and Conditions:

Approval of this change in type design applies to the above model aircraft only.

Compatibility of this design change with previously approved modifications must be determined by the installer.

(See continuation sheet 3)

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: June 7, 2005

Date reissued: November 4, 2013, March 12, 2014

Date of issuance: September 6, 2013

Date amended:

By direction of the Administrator



Original signed by Tina Miller
(Signature)

Tina L. Miller
Program Manager
Wichita Aircraft Certification Office

(Title)

INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Regional Office of the transfer of this Supplemental type certificate.

The FAA will reissue the certificate in the name of the transferee and forward it to him.

TRANSFER ENDORSEMENT

Transfer the ownership of the Supplemental Type Certificate Number _____

to *(Name of transferee)* _____

(Address of transfer) _____

(Number and street)

(City, State, and Zip code)

from *(Name of grantor) (Print or type)* _____

(Address of grantor) _____

(Number and street)

(City, State, and Zip code)

Extent of Authority (if licensing agreement): _____

Date of Transfer: _____

Signature of grantor *(In ink)*: _____

Supplemental Type Certificate

(Continuation Sheet)

Number SA01725WI

Date of Issuance: September 6, 2013
Date Reissued: November 4, 2013, March 12, 2014

Limitations and Conditions: (continued from page 1)

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.

The conditions and limitations of Type Certificate Data Sheet No. A-806 apply except where superseded by the following:

The STC SA01725WI Continuation Sheet prescribes the conditions and limitations under which the product, for which the STC was issued, meets the airworthiness requirements of the Civil Air Regulations. A copy of this STC is required to be maintained as part of the permanent records for the modified aircraft.

SUPPLEMENTAL TYPE CERTIFICATE HOLDER: Radial Engines, Ltd

I. Model DHC-2 Mk.I Beaver (Normal Category) – as modified by STC SA01725WI

Engine: Pratt & Whitney R-985-AN-14B or R-985-AN-1 fuel injected

Engine Limits: Maximum Fuel Flow 50 GPH

Minimum Fuel Pressure 14 psi

Maximum Fuel Pressure 50 psi

Maximum Cylinder Head Temperature 500°F (260°C)

Placards: The following placard must be installed next to the fuel flow meter in the cockpit:

“Maximum Fuel Flow: 50 GPH”

**“EGT-701 MAY NOT BE USED TO SUBSTITUTE FOR ANY
EXISTING COCKPIT ENGINE PERFORMANCE GAUGE”**

The following placard shall replace the existing “Carburetor Heat” placard:

“INDUCTION HEAT”

----- END -----