

United States Of America  
Department of Transportation - Federal Aviation Administration

# Supplemental Type Certificate

*Number* SR00311BO

*This Certificate issued to* Firefly, Inc.  
318 Tremont Street, P.O. Box 726  
South Carver, MA 02366-0726

*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 27 of the Federal Aviation Regulations.*

*Original Product Type Certificate Number :* H11NM  
*Make :* Robinson  
*Model :* R44, R44II

*Description of Type Design Change:*

Installation of Hydraulic Pack System including a hydraulic pump connected to the auxiliary pad of the onboard Lycoming engine in accordance with Firefly Inc. Master Document List, Document No. FFI-1000MDL, dated March 29, 2011, or later FAA-approved revision.

*Limitations and Conditions:*

1. Maintenance must be in accordance with Firefly, Inc. Instructions for Continued Airworthiness (ICA) Document No. FFI-10000, Revision A, dated May 18, 2011, or later FAA accepted revision. The ICA must be made available to the operator at the time of installation.

*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 :* September 29, 2010

*Date reissued :*

*Date of issuance :* May 18, 2011

*Date amended :*



*By direction of the Administrator*

(Signature)

Robert G. Mann  
Manager  
Boston Aircraft Certification Office

(Title)

United States Of America  
Department of Transportation - Federal Aviation Administration

# Supplemental Type Certificate

(Continuation Sheet)

*Number* SR00311BO

May 18, 2011

INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Regional Office of the transfer of the 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 Supplemental Type Certificate Number \_\_\_\_\_

to (*Name of transferee*) \_\_\_\_\_

(*Address of transferee*) \_\_\_\_\_

(*Number and street*)

\_\_\_\_\_  
(*City, State, and ZIP code*)

from (*Name of grantor*) (*Print or type*) \_\_\_\_\_

(*Address of grantor*) \_\_\_\_\_

(*Number & 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* SR00311BO

May 18, 2011

*Certification Basis:*

Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for the Robinson R44 and R44II aircraft are as follows:

- a. The type certification basis for Robinson R44 and R44II is shown on TCDS H11NM for parts **not changed or not affected** by the change.
- b. The certification for parts **changed or affected** by the change since the reference date of application, September 29, 2010, is based upon part 27 as amended by Amendment 27-45. Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for this modification was determined to be:

**Regulations at the amendment level in TCDS H11NM**

27.73, 27.143, 27.251, 27.301(a), 27.303, 27.305(a), 27.307(a), 27.309(a), 27.561(a) and (d), 27.605, 27.609(b)(1), 27.610, 27.901(b), 27.1045(b), 27.1163(a), 27.1183(a), 27.1301, 27.1309, 27.1435

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.

-----END-----