

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

Number SR00086BO

This Certificate issued to
Howard J. Fuller, Jr.
99 Boylston Circle
Shrewsbury, MA 01545

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

Description of Type Design Change:

Operation of rotorcraft on unleaded and leaded automotive gasoline, 91 minimum antiknock index (RON + MON)/2 per ASTM Specification D-439 or D-4814 in accordance with H.J. Fuller Installation Instructions No. HJF97044, dated November 1, 1997, or later FAA-approved revisions.

Limitations and Conditions:

(See Continuation Sheet 2 of 2)

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: November 09, 1997

Date reissued:

Date of issuance: June 05, 1998

Date amended: July 25, 2002



By direction of the Administrator

(Signature)

Robert G. Mann
Manager
Boston 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.

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(Continuation Sheet)

Number SR00086BO

Date of Issuance: June 05, 1998

Limitations and Conditions (Continued):

1. This approval is limited to those model helicopters equipped with Lycoming O-540-F1B5 engines modified IAW STC SE00663WI. This approval is applicable only with the following engine power ratings:

Maximum Continuous Power	205 HP (24.7 in. Hg.) @ 2692 RPM
Takeoff	225 HP (26.3 in. Hg.) @ 2692 RPM

2. Howard J. Fuller, Jr., Rotorcraft Flight Manual Supplement No. 44-1, Rev. 2, dated July 25, 2002, or later FAA-approved revisions is required and must be carried in the helicopter during all flights.
3. Fuel containing alcohol is not approved except isopropyl alcohol as an icing inhibitor IAW the Rotorcraft Flight Manual Supplement.
4. Compatibility of this design change with previously approved modifications must be determined by the installer.