

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

*Number* SR00170BO

*This Certificate issued to* Pratt & Whitney Engine Services, Inc.  
249 Vanderbilt Ave.  
Norwood, MA 02062

*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 29 of the Federal Aviation Regulations.*

*Original Product Type Certificate Number :*

*Make :*

*Model :* See attached FAA-Approved Model List (AML) for the list of approved aircraft models and applicable airworthiness regulations.

*Description of Type Design Change:*

Installation of Pratt & Whitney Engine Services, Inc. SmartCycle+ monitoring and recording system in accordance with instructions in attached AML SR00170BO, or later approved revisions.

*Limitations and Conditions:*

- 1) Required maintenance, as prescribed in the applicable airframe or engine Instructions for Continued Airworthiness, shall not be predicated on the data obtained from the Pratt & Whitney Engine Services, Inc., monitoring/recording system.
- 2) This system shall not be used to supersede or replace the pilot's responsibility to monitor and record engine exceedance information.
- 3) Compatibility of this system with previously approved modifications must be determined by the installer.
- 4) The Rotorcraft Flight Manual Supplement, Number EMU-G-250-2, must be attached to the approved Rotorcraft Flight Manual.

(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 :* August 22, 2002

*Date reissued :* October 22, 2007

*Date of issuance :* April 29, 2003

*Date amended :*

*By direction of the Administrator*



(Signature)

Robert G. Mann  
Manager, Boston Aircraft Certification Office

(Title)

United States Of America  
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**Supplemental Type Certificate**  
(Continuation Sheet)

*Number* SR00170BO

AIRCRAFT MAKE	AIRCRAFT MODELS	TYPE CERTIFICATE NUMBER	CERTIFICATION BASIS	INSTRUCTIONS FOR CONTINUED AIRWORTHINESS	INSTALLATION INSTRUCTIONS
BELL HELICOPTER	212 412 412EP 412CF	H4SW	FAR 29	EMU-G-260-1 Addendum B	EMU-G-010-1 Addendum B
AGUSTA	AB-412 AB-412EP	H79EU	FAR 29	EMU-G-260-1 Addendum B	EMU-G-010-1 Addendum B
BELL HELICOPTER	222 222B 222U	H9SW	FAR 29	EMU-G-260-1 Addendum C	EMU-G-010-1 Addendum C

FAA-APPROVED \_\_\_\_\_

Robert G. Mann, Manager  
Boston Aircraft Certification Office  
Federal Aviation Administration  
Burlington, Massachusetts

DATE OF APPROVAL: \_\_\_\_\_