

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

Number SH632NE

This certificate issued to Aerosonic Corporation
1212 North Hercules Avenue
Clearwater, FL 33765

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: H4SW
Make: Bell
Model: 212, 412

Description of Type Design Change:

Installation of Avionics Specialties, Inc. Power Analyzer and Recorder (PAR) Systems as follows: Configuration No. 1: Installation of the PAR SL17016 system in accordance with Teledyne Avionics Document No. 17016IM.001, dated October 27, 1988, "Installation procedures Manual, Power Analyzer & Recorder 'PAR', Bell Helicopter Model 212, SL17016."

(See STC Continuation Sheet, Page 2)

Limitations and Conditions:

1. Applicability:
 - a. Configuration No. 1 is applicable to the Bell Helicopter Textron Model 212 helicopter Serial Numbers 31124 and earlier.
 - b. Configuration No. 2 is applicable to the Bell Helicopter Textron Model 212 helicopter Serial Numbers 31124 and later; or earlier serial numbers incorporating BHT Technical Bulletin No. TB 212-81-54.

(See STC Continuation Sheet, Page 2)

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 8, 1988

Date reissued: March 8, 1993, August 14, 2007

Date of issuance: April 25, 1989

Date amended: March 12, 1990, December 18, 1990
April 22, 1993, May 4, 1993, February 14, 1995,
September 19, 1997



By direction of the Administrator

(Signature)

Anthony Socias
Manager
New York Aircraft Certification Office

(Title)

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Date of Amendment: September 19, 1997
Date of Reissue: August 14, 2007

Description of Type Design Change (Continued):

Configuration 2: (Amended March 12, 1990): Installation of the PAR SL17008 system in accordance with Teledyne Avionics Document No. 17008IM.001, dated November 13, 1989, "Installation Manual, Power Analyzer & Recorder 'PAR', Bell Helicopter Textron Model 212, Pratt and Whitney PT6T-3B Engines, System Number SL17008".

Configuration 3: (Amended December 18, 1990): Installation of the PAR SL17001 system in accordance with Teledyne Avionics Document No. 17001IM.001, dated February 19, 1990 "Installation Manual, Power Analyzer & Recorder "PAR" Bell Helicopter Textron Model 412, System Number SL17001".

Configuration 4: (Amended May 4, 1993): Installation of the PAR SL17065 system in accordance with Avionics Specialties, Inc. Document No. 17065IM, dated January 15, 1993 "Installation Manual Power Analyzer & Recorder "PAR".

Configuration 5: (Amended September 19, 1997): Installation of the PAR SL17089IM, dated January 31, 1997 "Installation Manual Power Analyzer & Recorder "PAR" Bell Helicopter Textron Model 212 w PT6T-3 Engines.

Limitations and Conditions (Continued):

1c. Configuration No. 3 is applicable to the Bell Helicopter Textron Model 412, serial numbers 33108 and up, or serial numbers 33001 through 33107 incorporating BHT Technical Bulletin No. 412-84-44.

1d. Configuration No. 4 is applicable to the Bell Helicopter Textron Model 412, serial numbers 33214 through 33999; 36020 and subsequent; and earlier rotorcraft with BHT Technical Bulletin No. 412-570-001-103 incorporated.

1e. Configuration No. 5 is applicable to the Bell Helicopter Textron Model 212 with PT6T-3 Engines installed.

2. Airplane Flight Manual Supplements:

Configuration No. 1: Teledyne Avionics "Rotorcraft Flight Manual Supplement for Bell Helicopter Textron Model 212 Helicopter", FAA approved April 25, 1989, must accompany this installation.

Configuration No. 2: Teledyne Avionics "Rotorcraft Flight Manual Supplement for Bell Helicopter Textron Model 212 Helicopter, SN31125 and subsequent or earlier models Incorporating TB 212-81-54", FAA approved March 12, 1990 must accompany this installation.

Configuration No. 3: Teledyne Avionics "Rotorcraft Flight Manual Supplement for Bell Helicopter Textron Model 412 Helicopter", FAA approved December 18, 1990 must accompany this installation.

Configuration No. 4: Avionics Specialties "Rotorcraft Flight Manual Supplement for BHT 2233214 through 33999 and BHT 36020 and subsequent or earlier with BHT 412-570-0001-103 "FAA approved 5/4/93.

IMPORT

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Configuration No. 5: Avionics Specialties "Rotorcraft Flight Manual Supplement for Bell Helicopter Textron Model 212 with PT6T-3 Engines", FAA approved September 19, 1997 must accompany this installation.

3. The installation of the Avionics Specialties, Inc. PAR must be accomplished in accordance with the appropriate documents referenced in the Description of the Type Design Change of this Supplemental Type Certificate.
4. The Installer must determine whether this design change is compatible with previously approved modifications.
5. If the holder agrees to permit another person to use this certificate to alter a product, the holder must give the other person written evidence of that permission

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