



AERONAUTICAL ACCESSORIES, INC.

P.O. BOX 3689 BRISTOL, TENNESSEE 37625-3689 USA
TELEPHONE: 423-538-5151 TOLL FREE: 800-251-7094
TELEFAX: 423-538-8469 E-MAIL: sales@aero-access.com

INSTALLATION INSTRUCTIONS

CABLE CUTTER MOUNT KIT

P/N 412-176-100

FOR

**BELL HELICOPTER TEXTRON MODEL 205A-1, 205B, 212,
412, 412EP, 412CF, AND UH-1H HELICOPTERS
AGUSTA MODEL AB412, AB412EP HELICOPTERS**

Report Number AA-93065

Revision K

September 19, 2005



RESTRICTED DISCLOSURE NOTICE

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AERONAUTICAL ACCESSORIES, INC.

INSTALLATION INSTRUCTIONS CABLE CUTTER MOUNT KIT

LOG OF REVISIONS

Revision	Date	Description	Pages
-	08/27/93	Original Release	All
A	12/20/94	Added 412EP aircraft	1&3
B	01/02/97	Added 412CF aircraft	1&3
C	10/01/97	Added Magnobond to Parts List	5
D	03/09/98	Added Log of Revisions Added FAA Approval Statement	All
E	12/15/98	Revised Station location	3&4
F	01/05/99	Revised Washer P/N	3&5
G	06/24/99	Revised Bracket Assy. P/N Revised Cable Cutter Assy. P/N Deleted Step 12 and resequence	3,5 3,5 4
H	08/02/99	Added Agusta AB412,AB412EP to Model Effectivity	All
I	05/10/00	Revised Footman's Loop Revised Lateral Arm Location	3,5 3,4
J	12/03/01	Added 205B to Model Effectivity Revised Part Number for Structural Adhesive	All 3,5
K	09/19/05	Reformatted Document Added UH-1H to Model Effectivity	All All

1.0 INTRODUCTION

These instructions provide the information necessary to install the **AERONAUTICAL ACCESSORIES, INC. CABLE CUTTER MOUNT KIT, P/N 412-176-100**, on Bell Helicopter Textron model 205A-1, 205B, 212, 412, 412EP, 412CF, UH-1H helicopters and Agusta model AB412, AB412EP helicopters. These instructions are FAA approved under STC No. SH3189SO and SH3190SO.

2.0 INSTALLATION INSTRUCTIONS

- 2.1** Position and tape the template, Drawing 412-176, Sheet 3, on the STA 160.0 bulkhead. If required, the installation may be relocated on the bulkhead. Ensure that adequate clearance will exist to lift the cable cutter out of the mounting brackets.
- 2.2** Center punch the location of each hole on the template.
- 2.3** Using a hole saw, cut a .500" diameter hole through forward skin of the bulkhead **ONLY**. **DO NOT CUT THROUGH AFT SKIN OF BULKHEAD.**
- 2.4** Crush and/or remove honeycomb core to a radius of .50" from the center of each hole.
- 2.5** Install one Insert, P/N 495HE1032-08, in each hole, using the provided potting tabs to hold the insert in place. Fill each cleaned out area around each insert with 099-050-121 Adhesive and allow to cure.
- 2.6** After the adhesive has cured, install the Bracket, P/N 412-175-001 (2) and Bracket Assembly, P/N 412-175-150, using MS27039-1-10 screws and NAS1149D0332J (alt: AN960JD10L) washers as shown on Drawing 412-176, sheet 2.
- 2.7** If the Cable Cutter Assembly, P/N 412-175-141, is being installed, loop the safety cable through the Footman's Loop as shown on Drawing 412-176, sheet 2.
- 2.8** Install a NAS1149D0332J (alt: AN960JD10L) washer, wet with Proseal, under each mounting point of the Footman's Loop, P/N 099-009-004, and secure using MS24694-S49 screws as shown on Drawing 412-176, sheet 2.
- 2.9** Install the Decal, P/N 412-175-009, between the cable cutter handles as shown on Drawing 412-176, sheet 2.
- 2.10** Install Cable Cutter Assembly, P/N 412-175-141, and route the red safety strap through the cable cutter as shown on Drawing 412-176, sheet 2.

INSTALLATION INSTRUCTIONS CABLE CUTTER MOUNT KIT

2.11 Stow the safety cable by gathering into a loop and tucking behind the cable cutter handles.

2.12 Weight and Balance:

<u>Weight</u>	<u>Station</u>	<u>Lateral Arm</u>
*3.9 lbs	165.25 in	36.3 in (Right)
(1.8 Kg)	4197 mm	(922 mm)

* Weight of Cable Cutter Assembly, P/N 412-175-141 is 3.5 lbs (1.6 Kg)

INSTALLATION INSTRUCTIONS CABLE CUTTER MOUNT KIT

PARTS LIST

412-176-100 CABLE CUTTER MOUNT KIT

<u>Qty</u>	<u>Part Number</u>	<u>Description</u>
2	412-175-001	Bracket
1	412-175-009	Decal
1	412-175-141	Cable Cutter Assembly
1	412-175-150	Bracket Assembly
8	495HE1032-08	Insert
6	MS27039-1-10	Screw
2	MS24694-S49	Screw
8	NAS1149D0332J	Washer (Alt: AN960JD10L)
1	099-009-004	Footman's Loop
2	099-050-121	Adhesive (Magnobond 6398A/B, 8 oz)
(3)	(Alt: 099-050-132)	(Adhesive (EA934NA, 6 oz))
1	Dwg. 412-176	Installation Drawing

Confirm inventory prior to installation.

Packed by: _____ / _____ / _____

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

Number SH3189SO

This certificate issued to

Bell Helicopter Textron, Inc.
441 Industrial Park Road
Piney Flats, TN 37686

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, H79EU

Make : Bell Helicopter Textron, Agusta

Model : 212, 412, 412CF, 412EP, AB412, and AB412EP

Description of Type Design Change:

Installation of an external hoist in accordance with Aeronautical Accessories, Inc. Report No. AA-91064, no revision, dated January 3, 1992 or later Federal Aviation Administration (FAA) approved revisions.

Limitations and Conditions:

Hoist operation in 4-axis hover coupled mode is approved for the Bell Model 412EP; hoist operation in 4-axis hover coupled mode is not approved for Bell Models 212, 412, 412CF, and Agusta Models AB412, and AB412EP.

The installer must determine whether this design change is compatible with previously approved modifications. If the holder agrees to permit another person to use this certificate to alter the product, the holder must give the other person written evidence of that permission.

(See continuation sheet 3 of 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.

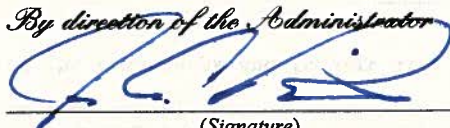
Date of application : July 10, 1991

Date reissued : April 15, 2011

Date of issuance : March 23, 1992

Date amended : September 19, 2002



By direction of the Administrator


(Signature)

James A. Richmond, Acting Manager
Rotorcraft Certification Office,
Southwest Region

(Title)

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): _____

United States of America
Department of Transportation -- Federal Aviation Administration

Supplemental Type Certificate

(Continuation Sheet)

Number SH3189SO

Date of Issuance: March 23, 1992
Date Amended: September 17, 2002
Date of Reissuance: April 15, 2011

Limitations and Conditions (Continued):

The following FAA Approved Rotorcraft Flight Manual Supplements or later FAA approved revisions, are a required part of this STC for Aeronautical Accessories, Inc. External Hoist Kit Part No. 412-150; Document No. AA-91067, no revisions, dated March 23, 1992, for the Bell Model 212. Document No. AA-92013, no revisions, dated March 23, 1992, for Bell Models 412 and 412EP. Document No. AA-93051, no revisions, dated March 7, 1995, for the Bell Model 412CF. Document No. AA-92013, Revision I, dated July 12, 1999, for Agusta Models AB412 and AB412EP.

The following FAA Approved Rotorcraft Flight Manual Supplements or later FAA approved revisions, are a required part of this STC for Aeronautical Accessories, Inc. External Hoist Kit Part No. 412-140; Document No. AA-95033, no revisions, dated October 31, 1995, for the Bell Model 212. Document No. AA-95034, Revision E, dated September 19, 2002, for the Bell Model 412EP. Document No. AA-95034, Revision C, dated July 12, 1999, for Agusta Models AB412, AB412EP, AB412, and AB412EP.

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

Number SH3190SO

This certificate issued to

Bell Helicopter Textron, Inc.
441 Industrial Park Road
Piney Flats, TN 37686

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 7 of the Civil Air Regulations.

Original Product -- Type Certificate Number : H1SW

Make : Bell Helicopter Textron, Inc.

Model : 205A-1; 205B

Description of Type Design Change:

Installation of an external hoist in accordance with Aeronautical Accessories, Inc. Drawing List Report No. AA-91064, Revision AE, dated December 7, 2001, or later FAA approved revision.

Limitations and Conditions:

Instructions for Continued Airworthiness for External Hoist, Aeronautical Accessories, Inc. Report No. AA-02015, Revision -, dated June 4, 2002, or later FAA accepted Revision, and FAA approved Rotorcraft Flight Manual Supplement (RFMS), dated August 8, 2002, or later FAA approved revision, for External Hoist Kit P/N 412-150-100/-200/-300/-400/-700/-750/-900/-901, or RFMS dated August 8, 2002, or later FAA approved revision, for External Hoist Kit P/N 412-140-100/-200/-300/-400/-700/-750/-800/-850, are required. The installer must determine whether this design change is compatible with previously approved modifications. 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.

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 : July 10, 1991

Date reissued : November 26, 2012

Date of issuance : March 23, 1992

Date amended : October 31, 1995;
August 23, 2002



By direction of the Administrator

Scott A. Horn
(Signature)

Scott A. Horn, Acting Manager,
Rotorcraft Certification Office,
Southwest Region

(Title)

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 Approval

Number: SH93-14

This approval is issued to:

Issue No.: 1

Aeronautical Accessories Inc.
P.O. Box 3689
Bristol, Tennessee 37625
U.S.A.

Approval Date: May 17, 1993

Issue Date: May 26, 1993

Responsible Region: Quebec

Aircraft/Engine Type or Model: Bell 205A-1

Canadian Type Approval or Equivalent: FAA TC H1SW

Description of Type Design Change: Installation of an external hoist kit
P/N 412-150-100, in accordance with FAA STC
SH3190SO.

Installation/Operating Data,
Required Equipment
and Limitations:

Installation to be done in accordance with
A.A.I Drawing List AA-91064 dated Jan. 3,
1992 or later FAA approved revision.

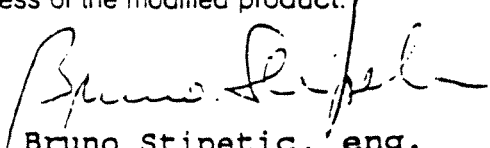
FAA approved Rotorcraft Flight Manual
Supplement dated March 23, 1992 or later FAA
approved revision.

Note 1: A manually operated cable cutter must be part of this
kit and the installation must be accessible to the
operator.

Note 2: Maximum hoist load is 600 lbs. (272 kgs.).

.....END.....

Conditions: This approval is only applicable to the type/model of
aeronautical product specified therein. Prior to incorporating this modifi-
cation, it shall be established that the interrelationship between this
change and any other modification(s) incorporated will not adversely
affect the airworthiness of the modified product.


Bruno Stipetic, eng.

Regional Airworthiness Engineer
For Minister of Transport
PAGE 1 OF 1

Canada

DEPARTMENT OF TRANSPORT

Supplemental Type Approval

Number: SH93-13

This approval is issued to:

Issue No.: 1

Aeronautical Accessories Inc.
P.O. Box 3689
Bristol, Tennessee 37625
U.S.A.

Approval Date: May 17, 1993

Issue Date: May 26, 1993

Responsible Region: Quebec

Aircraft/Engine Type or Model: Bell 212, 412

Canadian Type Approval or Equivalent: H-86

Description of Type Design Change: Installation of an external hoist kit
P/N 412-150-100, in accordance with FAA STC
SH3189SO.

Installation/Operating Data,
Required Equipment
and Limitations:

Installation to be done in accordance with
A.A.I Drawing List AA-91064 dated Jan. 3,
1992 or later FAA approved revision.

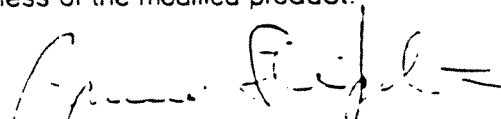
FAA approved Rotorcraft Flight Manual
Supplement dated March 23, 1992 or later FAA
approved revision.

Note 1: A manually operated cable cutter must be part of this
kit and the installation must be accessible to the
operator.

Note 2: Maximum hoist load is 600 lbs. (272 kgs.).

.....END.....

Conditions: This approval is only applicable to the type/model of
aeronautical product specified therein. Prior to incorporating this modifi-
cation, it shall be established that the interrelationship between this
change and any other modification(s) incorporated will not adversely
affect the airworthiness of the modified product.


Bruno Stipetic, eng.

Regional Airworthiness Engineer
For Minister of Transport
PAGE 1 OF 1

Canada

ENTE NAZIONALE per l'AVIAZIONE CIVILE

Struttura REGISTRO AERONAUTICO ITALIANO
Direzione Certificazione Materiale Aeronautico

Our ref.: 00/579/MAE
22 February 2000

Aeronautical Accessories Inc.

Att.n Mr. R. Shepard

PO Box 3689

Bristol, Tennessee 37625-3689

USA

Subject: FAA STC SH3189SO "Installation of External Hoist" - Italian Validation.
Reference: Aeronautical Accessories Inc. letter dated 20 April 1999.

Dear Sir,

according to the existing Bilateral Agreement between USA and Italy, and following satisfactory accomplishment of ENAC evaluation, we wish to inform you that the FAA STC SH3189SO amended 12 July 1999 can be considered validated in Italy.

The ENAC approval is valid for the helicopter model AB 412 and AB 412 EP.

Please consider ENAC in the mailing list for continuous airworthiness information for the related STC installation.

Yours faithfully



MAE Director
Ing. Filippo De Florio

FN/bs

c.c.: - FAA Atlanta
- ENAC/DD.TT.

JUL 2 1 1999

DIRECTION GÉNÉRALE DE L'AVIATION CIVILE



SERVICE
DE LA FORMATION AERONAUTIQUE
ET DU CONTROLE TECHNIQUE

DIVISION AERONEFS

BUREAU NAVIGABILITE DES HELICOPTERES

N/REF: DGAC 994502 - SFACT/NHE

Affaire suivie par: Denis TRANCHANT

Tel:(33) (1) 41.09.41.16

Fax:(33) (1) 41.09.43.46

E-mail address: TRANCHANT_Denis@sfact.dgac.fr

Objet/Subject: STC SH3189SO "External Hoist" fitted on BELL 412 Model
DGAC's approval

FEDERAL AVIATION
ADMINISTRATION
Central Region
Small Airplane Directorate
ACE -100
601 East 12th Sreet

KANSAS CITY
MO 64106
USA

Dear Sir,

This is to inform you that the French DGAC has granted approval of the STC N° SH3189SO "External Hoist" to Aeronautical Accessories, Inc on July 9, 1999. This validation is based on FAA's approval dated March 23, 1992 which includes the amendment dated October 31, 1995 and associated limitations according to the US TC H4SW.

This DGAC approval applies to the Bell Model 412 and 412 EP and includes the associated Flight Manual Supplements on these rotorcraft equipped with external hoist kit P/N 412-140-XXX and P/N 412-150-100/-900.

Could you please forward this approval to the STC holder, along with our congratulations.

Yours sincerely

Denis Tranchant
Certification Manager



SERVICE
DE LA FORMATION AERONAUTIQUE
ET DU CONTROLE TECHNIQUE

Encl.: FMS on Helicopters Bell Models 412 and 412EP equipped with external hoist kit
P/N 412-140-XXX and P/N 412-150-100/-900 DGAC approved 09/07/1999

C.c.: - Aeronautical Accessories, Inc Steve Joseph
- GSAC Central Gérard Hammer
- Bell Helicopter Textron Inc, Giffen Marr
- RotorFrance, François Gatineau



REGISTRO AERONAUTICO ITALIANO
ENTE NAZIONALE PER L'AVIAZIONE CIVILE (EX D.LGS. N.250/97)
DIREZIONE CERTIFICAZIONE MATERIALE AERONAUTICO

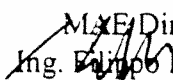
Our ref.: 98/4907/MAE
6 October 1998

Aeronautical Accessories, Inc.
Att.n Mr. R. Shepard
P.O. Box 3689
Bristol, Tennessee 37625-3689
USA

Subject: FAA STC SH3189SO "Installation of External Hoist" - Italian Validation.
Reference: Aeronautical Accessories, Inc. letter dated 3 August 1998

Dear Sir,
according to the existing Bilateral Airworthiness Agreement between USA and Italy, and following satisfactory accomplishment of RAI evaluation, we wish to inform you that the FAA STC SH3189SO amended on October 31, 1995 can be considered validated in Italy. The RAI approval is valid for the following models: Bell B212, B412 that for the time being are the only models validated in Italy.
Please consider RAI in the mailing list for continuous airworthiness information for the related STC installation.

Yours faithfully

MAE Director
Ing.  De Florio

CE/bs

c.c.: - FAA Atlanta ACO - Att.n Mrs. C. Lorenzen
- DD.TT. RAI



REPÚBLICA FEDERATIVA DO BRASIL
COMANDO DA AERONÁUTICA
DEPARTAMENTO DE PESQUISAS E DESENVOLVIMENTO
CENTRO TÉCNICO AEROESPACIAL
INSTITUTO DE FOMENTO E COORDENAÇÃO INDUSTRIAL

CERTIFICADO DE HOMOLOGAÇÃO SUPLEMENTAR DE TIPO
(Supplemental Type Certificate)

NÚMERO 1999S12-14
(Number)

Este certificado, emitido com base na Lei nº 7565 "Código Brasileiro de Aeronáutica", de 19 de dezembro de 1986,
(This certificate, issued in the basis of the Law No. 7565 "Código Brasileiro de Aeronáutica", dated 19 December 1986,

é conferido ao (à): Aeronautical Accessories, Inc.
(is granted to:)

P.O. Box 3689
Bristol, Tennessee 37625
USA

por ter a modificação ao projeto de tipo do produto abaixo citado, observadas as limitações e condições
(for having the change to the type design of the product mentioned below, with the limitations and conditions thereof as)
especificadas, satisfeito aos requisitos de aeronavegabilidade aplicáveis.
(specified hereon, met the applicable airworthiness requirements.)

Produto Original - Número do Certificado de Tipo: H4SW (FAA-USA)
(Original Product - Type Certificate No:)

Fabricante: Bell Helicopter Textron
(Manufacturer:)

Modelo(s): 212
(Model(s):)

DESCRIÇÃO DA MODIFICAÇÃO AO PROJETO DE TIPO:
(Description of Type Design Change:)

Installation of external hoist, in accordance with Drawing List Report No. AA-91064, Rev. AB, dated 03 AUG 1998, or later approved revisions.
This CHST validates in Brazil the STC # SH3189SO, issued by FAA (USA), only for the model referred above.

LIMITAÇÕES E CONDIÇÕES:
(Limitations and Conditions:)

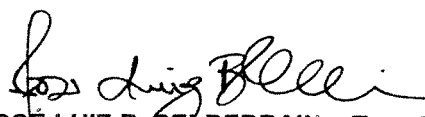
See continuation sheet for applicable data.

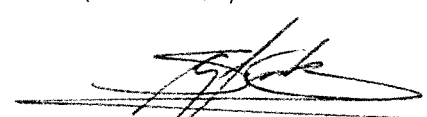
DATAS:
(Dates of:)

Do Requerimento: 27 APR 1999
(Application:)

Da emissão: 31 MAR 2000
(Issue:)

Da reemissão:
(Reissue:)


JOSE LUIZ R. BELDERRAIN - Ten.-Cel.-Eng.
Chefe da Divisão de Homologação Aeronáutica
(Chief, Divisão de Homologação Aeronáutica)


SIOMAR CAVALCANTE GODINHO - Cel.-Av.
Diretor do Instituto de Fomento e Coordenação Industrial
(Director, Instituto de Fomento e Coordenação Industrial)



REPÚBLICA FEDERATIVA DO BRASIL
COMANDO DA AERONÁUTICA
DEPARTAMENTO DE PESQUISAS E DESENVOLVIMENTO
CENTRO TÉCNICO AEROESPACIAL
INSTITUTO DE FOMENTO E COORDENAÇÃO INDUSTRIAL

Folha de Continuação ao
(Continuation Sheet to)

CERTIFICADO DE HOMOLOGAÇÃO SUPLEMENTAR DE TIPO
(Supplemental Type Certificate)

NÚMERO 1999S12-14
(Number)

LIMITAÇÕES E CONDIÇÕES:
(Limitations and Conditions:)

- I. This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated unless it is determined by the installer that the relationship between this change and any of those other previously approved modifications, including changes in Type Design, will introduce no adverse effect upon the airworthiness of that aircraft.
- II. 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.
- III. Operation must be performed in accordance with FAA approved Rotorcraft Flight Manual Supplement Report No. AA-91067, Rev. F, dated 12 MAY 1998, for Breeze Eastern Hoist and Report No. AA-95033, dated 31 OCT 1995, for Lucas Western Hoist, or later approved revisions.
- IV. A copy of this Certificate, pertinent Supplement, referred in item III above, and appropriate Installation Instruction shall be maintained as part of the permanent records for the modified aircraft.

-----END-----



REPÚBLICA FEDERATIVA DO BRASIL
COMANDO DA AERONÁUTICA
DEPARTAMENTO DE PESQUISAS E DESENVOLVIMENTO
CENTRO TÉCNICO AEROESPACIAL
INSTITUTO DE FOMENTO E COORDENAÇÃO INDUSTRIAL

CERTIFICADO DE HOMOLOGAÇÃO SUPLEMENTAR DE TIPO
(Supplemental Type Certificate)

NÚMERO 1999S12-18
(Number)

Este certificado, emitido com base na Lei nº 7565 "Código Brasileiro de Aeronáutica", de 19 de dezembro de 1986,
(This certificate, issued in the basis of the Law No. 7565 "Código Brasileiro de Aeronáutica", dated 19 December 1986,

é conferido ao (à): Aeronautical Accessories, Inc.

(is granted to:)

P.O. Box 3689

Bristol, Tennessee 37625

USA

por ter a modificação ao projeto de tipo do produto abaixo citado, observadas as limitações e condições
(for having the change to the type design of the product mentioned below, with the limitations and conditions therefor as)

especificadas, satisfeito aos requisitos de aeronavegabilidade aplicáveis.

(specified hereon, met the applicable airworthiness requirements.)

Produto Original - Número do Certificado de Tipo: 8103 (CTA)

(Original Product - Type Certificate No:)

Fabricante: Bell Helicopter Textron
(Manufacturer:)

Modelo(s): 412
(Model(s):)

DESCRIÇÃO DA MODIFICAÇÃO AO PROJETO DE TIPO:
(Description of Type Design Change:)

Installation of external hoist, in accordance with Drawing List Report No. AA-91064, Rev. AB, dated 03 AUG 1998, or later approved revisions.

This CHST validates in Brazil the STC # SH3189SO, issued by FAA (USA), only for the model referred above.

LIMITAÇÕES E CONDIÇÕES:
(Limitations and Conditions:)

See continuation sheet for applicable data.

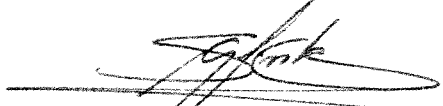
DATAS:
(Dates of:)

Do Requerimento: 27 APR 1999
(Application:)

Da emissão: 31 MAR 2000
(Issue:)

Da reemissão:
(Reissue:)


JOSÉ LUIZ R. BELDERRAIN - Ten.-Cel.-Eng.
Chefe da Divisão de Homologação Aeronáutica
(Chief, Divisão de Homologação Aeronáutica)


SIOMAR CAVALCANTE GODINHO - Cel.-Av.
Diretor do Instituto de Fomento e Coordenação Industrial
(Director, Instituto de Fomento e Coordenação Industrial)



REPÚBLICA FEDERATIVA DO BRASIL
COMANDO DA AERONÁUTICA
DEPARTAMENTO DE PESQUISAS E DESENVOLVIMENTO
CENTRO TÉCNICO AEROESPACIAL
INSTITUTO DE FOMENTO E COORDENAÇÃO INDUSTRIAL

Folha de Continuação ao
(Continuation Sheet to)

CERTIFICADO DE HOMOLOGAÇÃO SUPLEMENTAR DE TIPO
(Supplemental Type Certificate)

NÚMERO 1999S12-18
(Number)

LIMITAÇÕES E CONDIÇÕES:
(Limitations and Conditions:)

- I. This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated unless it is determined by the installer that the relationship between this change and any of those other previously approved modifications, including changes in Type Design, will introduce no adverse effect upon the airworthiness of that aircraft.
- II. 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.
- III. Operation must be performed in accordance with FAA approved Rotorcraft Flight Manual Supplement Report No. AA-92013, Rev. H, dated 14 SEP 1998, for Breeze Eastern Hoist and Report No. AA-95034, Rev. B, dated 04 SEP 1998, for Lucas Western Hoist, or later approved revisions.
- IV. A copy of this Certificate, pertinent Supplement, referred in item III above, and appropriate Installation Instruction shall be maintained as part of the permanent records for the modified aircraft.

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Braunschweig, 01. Juni 1993

Mitteilung über die Ergänzung der Musterzulassung Nr. 0412/3039

Gegenstand der Änderung: Rüstsatz für Einbau einer Außenlast-Winde

Drehflügler-Baureihe(n): Bell 212, 412

Drehflügler-Kennblatt Nr: 3039

Antragsteller: Fa. Aeronautical Accessories, Inc. (U.S.A.)

Der Zulassungsumfang der o.g. Drehflügler-Baureihe(n) wird wie folgt geändert:

Der Einbau einer Außenlast-Winde des Fabrikats "Breeze Model 20200-1" gemäß FAA-STC No. SH3189SO vom 23. März 1992, oder späterer, FAA-anerkannter Revision, in Hubschrauber des Modells Bell 212 und Bell 412 ist zugelassen.

Definition der Änderung:

Aeronautical Accessories, Inc. Hoist Kit P/N 412-150-100 einschl. Hoist Ship Provisions P/N 412-151-200, Hoist Support Installation P/N 412-152-300 oder P/N 412-152-400 und Electrical Provisions P/N 412-155-500.
Aeronautical Accessories, Inc. Drawing List, Report No. AA-91064, vom 03. Januar 1992, oder spätere, FAA-anerkannte Revision.

Ergänzende Betriebsanweisungen:

- a) Installation Instructions - Aeronautical Accessories, Inc. Report No. AA-61065, Revision G.
- b) FAA-anerkannter Zusatz zum Flughandbuch, Revision A vom 23. April 1992.

Lärmzulassung: Änderung nicht lärmrelevant

Bezugsquelle für die Betriebsunterlagen:

Aeronautical Accessories, Inc.
P.O. Box 3889
Bristol, Tennessee 37625
U.S.A.

Diese Mitteilung gilt in Verbindung mit dem Drehflügler-Kennblatt Nr. 3039 in der jeweils gültigen Ausgabe.



Luftfahrt-Bundesamt

Ergänzung zur Musterzulassung Supplemental Type Certificate

Nr.: RC 0412

Die nach den Bestimmungen der Luftverkehrs-Zulassungs-Ordnung ergänzte Musterzulassung des Luftfahrtgeräts wird durch diese ERGÄNZUNG ZUR MUSTERZULASSUNG beurkundet. Sie erweitert die Angaben des Musterzulassungsscheins und des zugehörigen Geräte-Kennblatts und ist nur in Verbindung mit diesen gültig.

Anwendbarkeit:

Gerätemuster/Baureihen:

Bell 212, 412

Geräte-Kennblatt Nr.:

3039

Ausgabe: 10

Antragsteller:

Aeronautical Accessories, Inc.
P.O. Box 3689
Bristol, Tennessee 37625-3689
U.S.A.

Beschreibung der Ergänzung:

Der Einbau von „External hoist“ ist zugelassen.

Zulassungsgrundlage:

- **Bezugsdokument:** Drawing List Report No. AA-91064

Zulassung im Ursprungsland:

- **Halter der Zulassung:** Aeronautical Accessories, Inc.
- **Nr. der Zulassung:** STC SH3189SO
- **zugelassen von:** Federal Aviation Administration, U.S.A.

Auflagen und Einschränkungen:

1. Die Verträglichkeit dieser Modifikation mit anderen zugelassenen Modifikationen ist vom Einrüster sicherzustellen.
2. Anweisungen für den Betrieb:
 - Rotorcraft Flight Manual Supplements, FAA-anerkannt am 23.03.1992 sowie am 31.10.1995 oder jede spätere FAA-anerkannte Fassung.
3. Anweisungen für die Instandhaltung und die Nachprüfung:

Es gelten die Anweisungen für das Originalmuster.

Diese Ergänzung zur Musterzulassung kann in den in § 4 Abs. 2 der Luftverkehrs-Zulassungs-Ordnung vorgesehenen Fällen widerrufen werden.

LBA-Zulassung:



Braunschweig, 21.07.1998

M. Kappeler

EMZ-Nr.: RC 0412, Ausgabestand: 2