



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

FLOATSTEP™ KIT

206-303-401

FOR

**BELL HELICOPTER TEXTRON MODEL 206A AND 206B HELICOPTERS
EQUIPPED WITH LIGHTWEIGHT EMERGENCY FLOATATION SYSTEMS**

Report Number AA-91013

Revision O

March 1, 2006



RESTRICTED DISCLOSURE NOTICE

THE DRAWINGS, SPECIFICATIONS, DESCRIPTIONS, AND OTHER TECHNICAL DATA ATTACHED HERETO ARE PROPRIETARY AND CONFIDENTIAL TO AERONAUTICAL ACCESSORIES, INC., AND CONSTITUTE TRADE SECRETS FOR PURPOSES OF THE TRADE SECRET AND FREEDOM OF INFORMATION ACTS. NO DISCLOSURE TO OTHERS, EITHER IN THE UNITED STATES OR ABROAD, OR REPRODUCTION OF ANY PART OF THE INFORMATION SUPPLIED IS TO BE MADE, AND NO MANUFACTURE, SALE OR USE OF ANY INVENTION OR DISCOVERY DISCLOSED HEREIN SHALL BE MADE, EXCEPT BY WRITTEN AUTHORIZATION OF AERONAUTICAL ACCESSORIES, INC. THIS NOTICE WILL NOT OPERATE TO NULLIFY OR LIMIT RIGHTS GRANTED BY CONTRACT. THE DATA SUBJECT TO THIS RESTRICTION IS CONTAINED IN ALL SHEETS AND IS DISCLOSED TO PERSONNEL OF AERONAUTICAL ACCESSORIES, INC., FOR THE PURPOSE(S) OF INTERNAL USE AND DISTRIBUTION ONLY.

© (2006) Aeronautical Accessories, Inc.

UNPUBLISHED - ALL RIGHTS RESERVED

AERONAUTICAL ACCESSORIES, INC.

LOG OF REVISIONS

Revision	Date	Description	Pages
-	04/10/91	Original Release.	All
A	09/23/93	Added MS27039C1-11 screws (Step 8).	3,4,6
B	03/29/94	Deleted Loctite. Added Proseal (Step 7 & 11). Deleted Step 13 for removal of Loctite.	3,4 3
C	05/02/94	Added Black Max adhesive (Step 7).	3,4
D	05/24/94	Revised warning on adhesive (Step 7).	3
E	06/03/94	Deleted AN4C5A bolt. Added NAS6704-3 bolt (Step 4).	2,4,6
F	08/30/94	Deleted Loctite & Proseal. Added clamp tape (Step 7 & 11). Revised torque from 20-25 in-lbs (Step 9). Added weight & balance for condition of no BHT step previously installed.	3,4 3
G	10/31/94	Added STC statement. Revised names of brackets from inner & outer (Step 3 & 8)	2 2,6
H	05/09/95	Changed Clamp Bracket Assy. Added AN525-10R11 screws (Step 1).	4 2,4
I	09/21/95	Deleted AN525-10R11 screws. Added MS27039-4-08 screws & AN960JD416 washers (Step 1) Added Loctite adhesive (Step 7).	2,7 3,7
J	01/18/96	Deleted note on vertical positioning (Step 5). Revised note for attaching of Float Guards (Step 6) Added torque requirement for bolt (NAS6704-3). Added shoulder washer and 350-905-005 washer. Deleted MS27039-1-09 screw & added 1-10.	2 3 6,7
K	08/02/96	Deleted -400 kit & added -401 kit with AN960JD416L washers. Added Log of Revisions page.	5,7 2
L	04/23/98	Revised Figure 2 Revised Figure 3 Revised Parts List	6 7 8
M	07/07/98	Revised Steps 5, 6, 8 & 9. Changed NAS6704-3 bolts to NAS6704H3. Added Maintenance Step 1. Added Figure, resequenced Figure 3 & 4	4,5 4,8,11 6 9,10
N	08/07/98	Changed NAS6704H3 bolts to AN4H5A. Changed NAS1149D0416J to NAS1149D0463J	4,8,11 8,11
O	03/01/06	Reformatted Document Revised adhesive P/N to 099-050-172 (Loctite 49504) Added Egress Tool Kit 099-845-001 Added Titles to Figures 1 thru 4 Revised Figure 2 Added Figures 5, 6, 7, and 8 Revised Parts List	All 4, 15 4, 7, 15 8-10 8 11-14 15

1.0 INTRODUCTION

These instructions contain the necessary information to install the **AERONAUTICAL ACCESSORIES, INC. FLOATSTEP™ (206-303-401)** and supplied accessory **EGRESS TOOL KIT (099-845-001)** on Bell Helicopter Textron model 206A and 206B helicopters equipped with **SKID MOUNTED, LIGHTWEIGHT EMERGENCY FLOATATION SYSTEM (206-706-211-xxx)**. These instructions are FAA approved under STC No. SH1322SO.

2.0 INSTALLATION INSTRUCTIONS

- 2.1 Remove the existing step, if installed, from the aircraft fuselage, and install Screws (MS27039-4-08) and Washers (NAS1149D0463J).
- 2.2 Remove the Floatstep™ kit from the packing and place the Step Assembly (206-301-117) with attached brackets on the left side of the aircraft. Place the Step Assembly (206-301-118) and attached brackets on the right side of the aircraft.
- 2.3 Remove the Clamp Bracket Assemblies (206-300-101/-211) from the forward and aft Brackets attached to the left hand Step Assembly.
- 2.4 Loosen the eight Bolts (AN4H5A) which secure the forward and aft Brackets to the Floatstep™ (see Figure 2).

NOTE

Adjustment of the Inflation Hose Clamp (MS21919) may be necessary to locate the Floatstep™ in the proper position.

- 2.5 Position the Floatstep Brackets on the L/H crosstubes so the Step Assembly is level (parallel to the ground). The top of the Step should be 16.0" above the ground with the helicopter resting on the landing gear (see Figure 1). Mark the Bracket positions on both crosstubes and temporarily tighten (10 – 15 in-lbs) in an "X" pattern, the Bolts which secure the Brackets to the Step Assembly. Note that the mounting holes are slotted to accommodate variation in skid gear.
- 2.6 Install the Float Guards (206-304-003/-005) provided, per Figures 1 and 4. The Screw (MS27039-1-12), provided, at the lower end of the forward Float Guard replaces the inboard float bag screw located 12.5 inches away from the front edge of the forward crosstube saddle. The provided Screw at the lower end of the aft Float Guard replaces the inboard float bag screw located 11.5 inches away from the rear edge of the forward crosstube saddle.

NOTE

Adjust the vertical positioning of the step as required to attach the upper end of Float Guard to the Floatstep as shown in Figure 4. The upper end of the guard is slotted to allow for movement with the step. Tighten the screw (MS27039-1-10) with a .005 inch feeler gauge between the shoulder washer and Float Guard. Do not over tighten (20 inch pounds maximum).

- 2.7 Prepare the crosstubes by lightly abrading with scotch-brite or 180 grit (or finer) paper. **Do Not Remove Primer.** Wipe clean with MEK or alcohol. Apply a thin coat of adhesive 099-050-172 (Loctite 49504) to each rubber pad on the brackets. Remove and reinstall one clamp half at a time. Ensure that the Step Assembly remains level where previously marked.

WARNING

FOLLOW MANUFACTURER'S SAFETY GUIDELINES WHILE USING THIS ADHESIVE.

- 2.8 Secure the Clamp Brackets with the provided screws (MS27039-1-11) and washers (NAS1149D0332J) (see Figure 2). Before tightening, ensure all bolts and screws are in place and their threads have engaged.
- 2.9 Tighten the four screws in an "X" pattern on each Clamp Bracket and visually check the gap to make sure it closes evenly (see Figure 3). Torque screws to 25 – 40 inch-lbs. After the screws have been tightened, re-check each screw in an "X" pattern to ensure proper torque.

NOTE

It is not permitted to have a gap between the Brackets of less than .010 inch (see Figure 2). The .010 gap requirement does not apply to the pads. Upon installation of the clamps, the pads may be trimmed if necessary.

- 2.10 Tighten in an "X" pattern, the bolts which secure the Floatstep™ to the Brackets. Torque bolts to 50 – 70 in-lbs and install safety wire between them (see Figure 3).
- 2.11 Repeat Steps 2.3 – 2.10 for the mounting the R/H Floatstep™ assembly.
- 2.12 Revise aircraft equipment list.

2.13 Weight and Balance:

With No Step Previously Installed

<u>Weight Change</u>	<u>Station</u>	<u>Lateral Arm</u>
+17.5 lbs (8 Kg)	100.2 in (2545 mm)	0 in (0 mm)

With Bell Step Removed

<u>Weight Change</u>	<u>Station</u>	<u>Lateral Arm</u>
-1.0 lbs (-0.45 Kg)	100.2 in (2545 mm)	0 in (0 mm)

2.14 Floatstep™ installation complete.

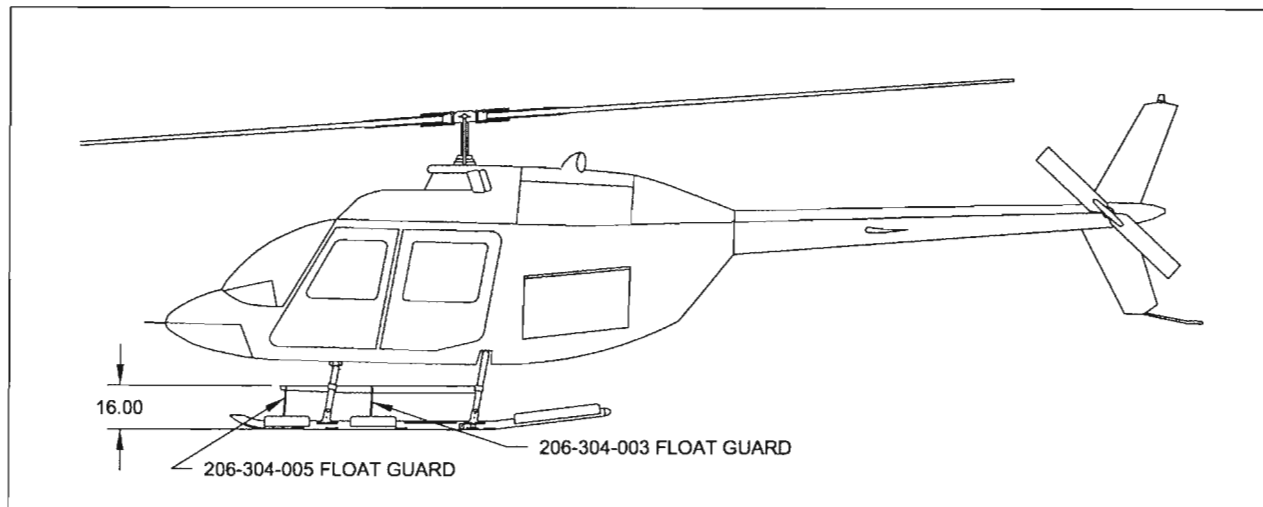
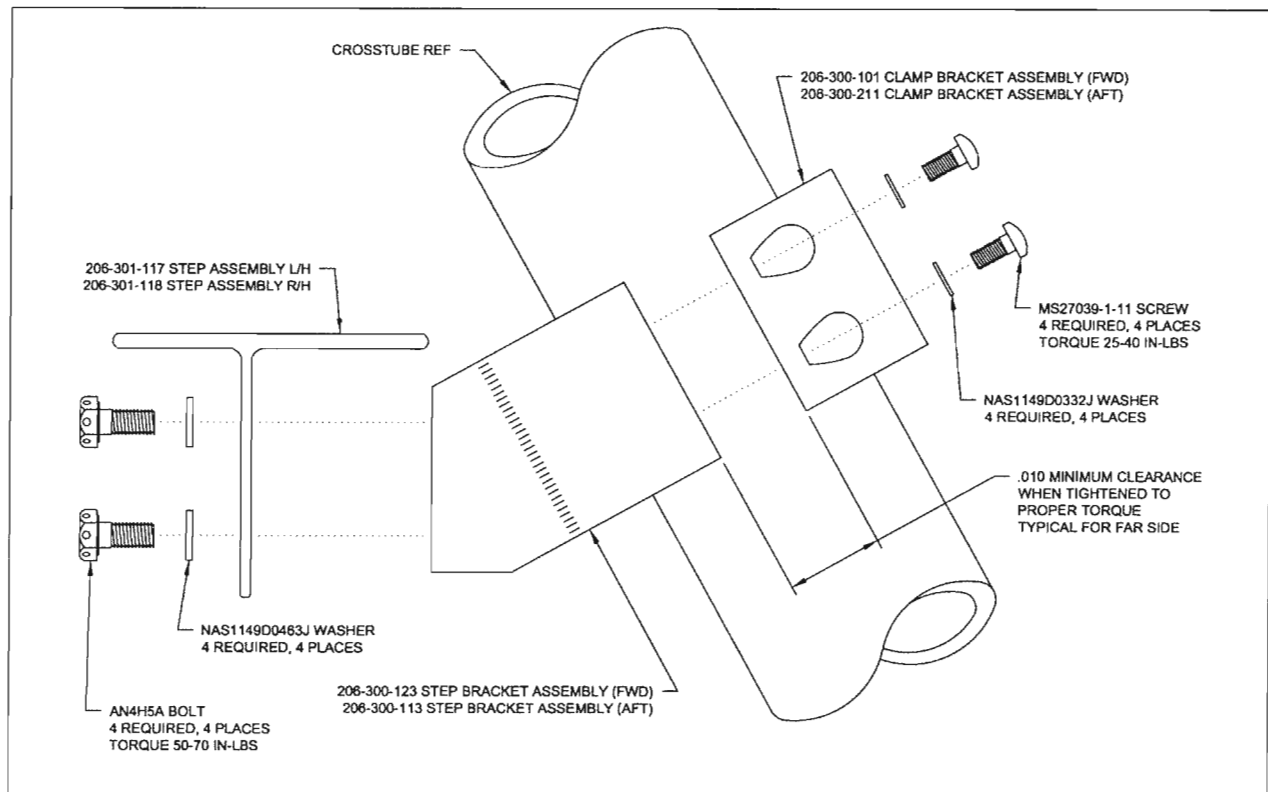
NOTE

Recheck torque of each fastener per Steps 2.9 and 2.10 after initial 10 hours of flight following installation.

3.0 EGRESS TOOL KIT INSTALLATION INSTRUCTIONS**NOTE**

Locate Egress Tool for best fit and function. Tool should be readily accessible to pilot. Egress Tool requires 3 AAA batteries for power.

- 3.1 Determine installation location and, if aircraft is equipped with interior trim, remove interior trim at installation location.
- 3.2 Locate and drill holes in aircraft structure as shown in Figure 5.
- 3.3 Install Nut Plate (MS21059L3) using Rivets (CCR264SS-3-2) at each location.
- 3.4 Aircraft Not Equipped With Interior Trim.
 - 3.4.1 Assemble as shown in Figure 6, using Spacer Assemblies (099-845-103), Clamps (099-845-123), Washers (NAS1149D0332K) and Screws (MS27039-1-08).
 - 3.4.2 Torque Screws (MS27039-1-08) 20 – 25 in-lbs.
 - 3.4.3 Insert Egress Tool (099-845-101) into Clamps (099-845-123).
 - 3.4.4 Egress Tool installation complete.
- 3.5 Aircraft Equipped with Interior Trim with foam backing.
 - 3.5.1 Assemble Foam Backing and Spacer Assemblies (099-845-103) as shown in Figure 7.
 - 3.5.2 Reinstall removed interior trim.
 - 3.5.3 Assemble Clamps (099-845-123), Washers (NAS1149D0332K) and Screws (MS27039-1-10).
 - 3.5.4 Torque Screws (MS27039-1-10) 20 – 25 in-lbs.
 - 3.5.5 Insert Egress Tool (099-845-101) into Clamps (099-845-123).
 - 3.5.6 Egress Tool Installation complete.
- 3.6 Aircraft Equipped with Interior Trim without foam backing.
 - 3.6.1 Reinstall removed interior trim.
 - 3.6.2 Assemble as shown in Figure 8 using Spacer Assemblies (099-845-103) and Clamps (099-845-123), Washers (NAS1149D0332K) and Screws (MS27039-1-10).
 - 3.6.3 Torque Screws (MS27039-1-10) 20 – 25 in-lbs.
 - 3.6.4 Insert Egress Tool (099-845-101) into Clamps (099-845-123).
 - 3.6.5 Egress Tool Installation complete.

**FIGURE 1 – FLOATSTEP™ LOCATION****FIGURE 2 – FLOATSTEP™ ASSEMBLY****AERONAUTICAL ACCESSORIES, INC.**

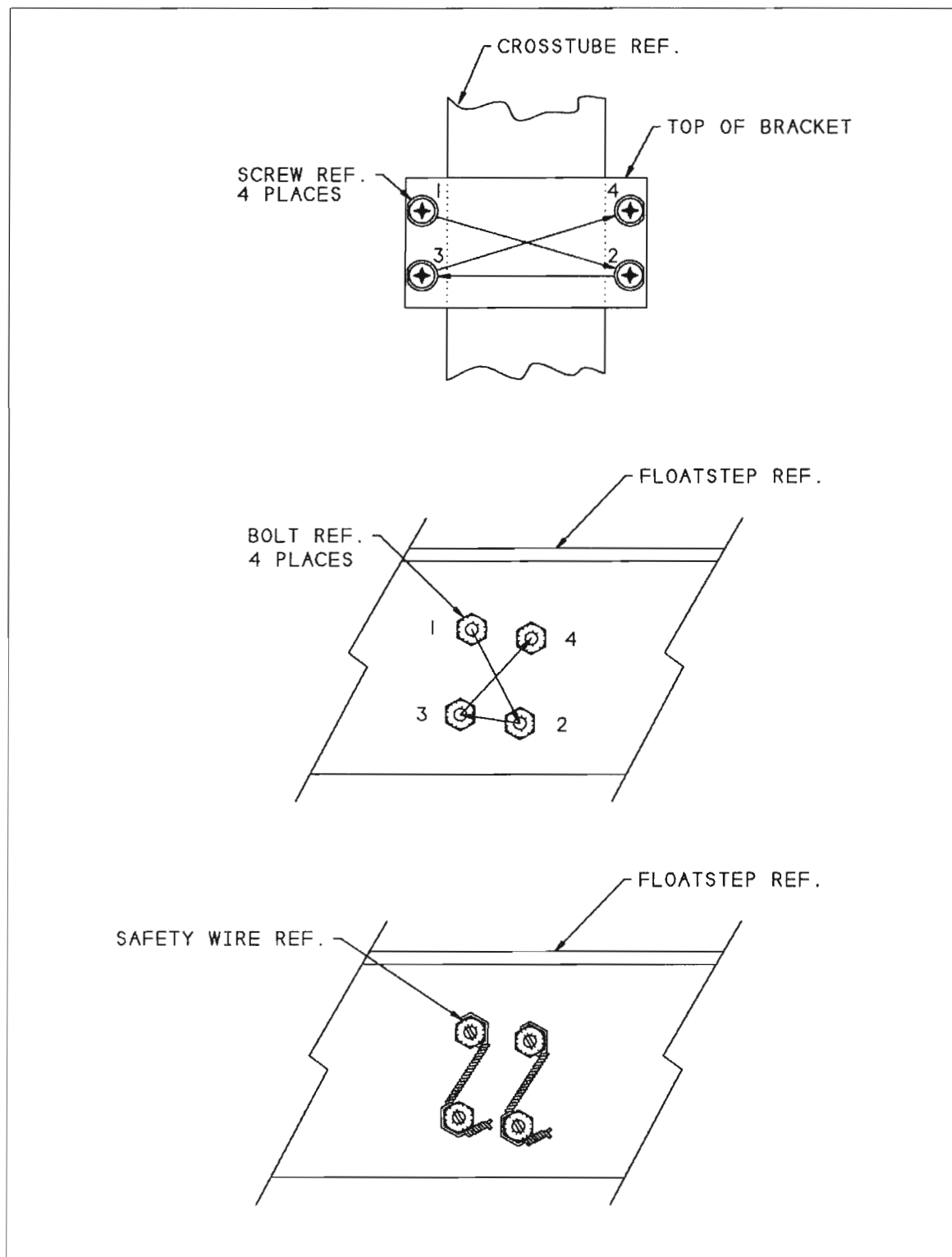


FIGURE 3 – FASTENER TIGHTENING PATTERN

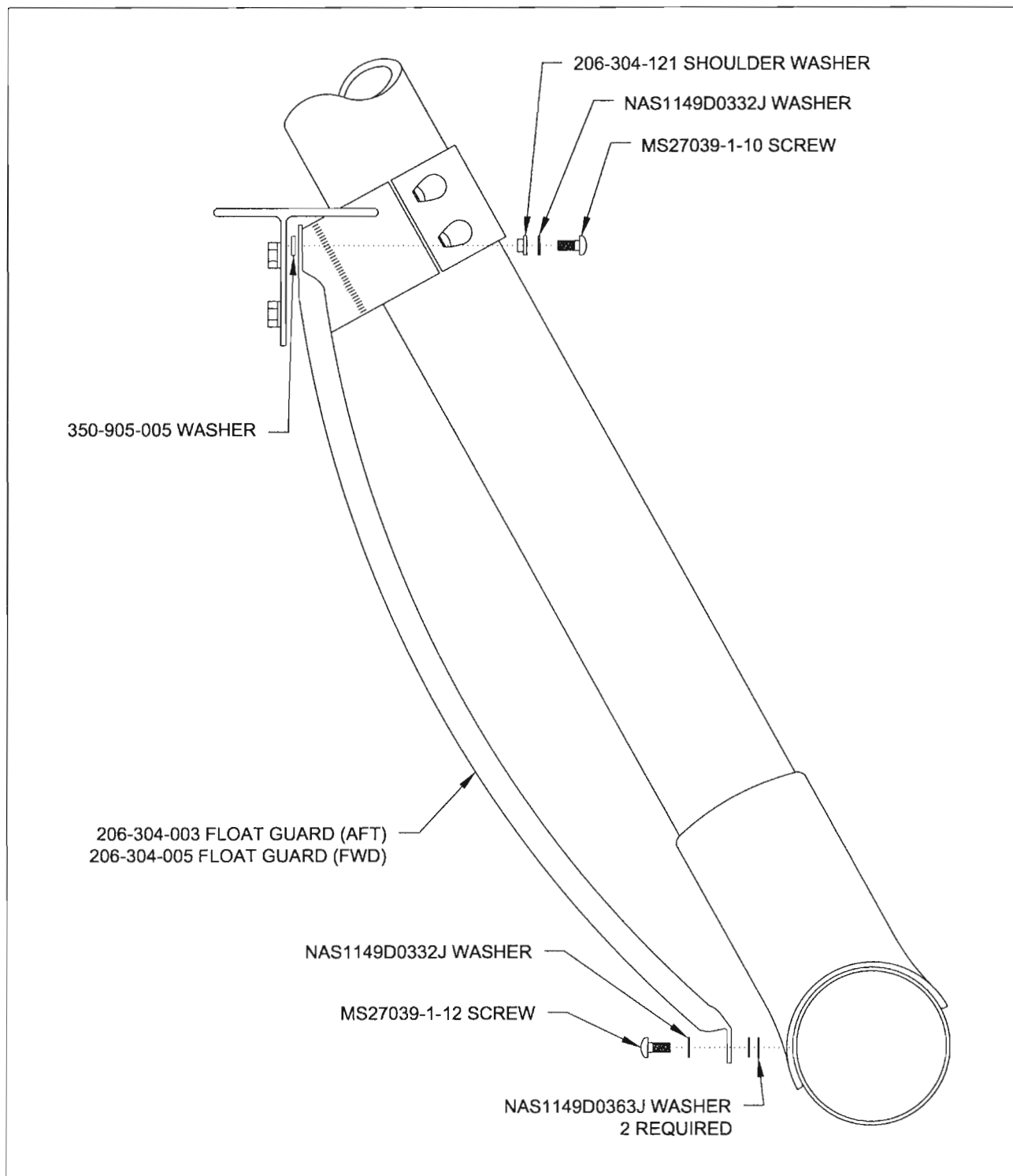


FIGURE 4 – FLOAT GUARD LOCATION

AERONAUTICAL ACCESSORIES, INC.

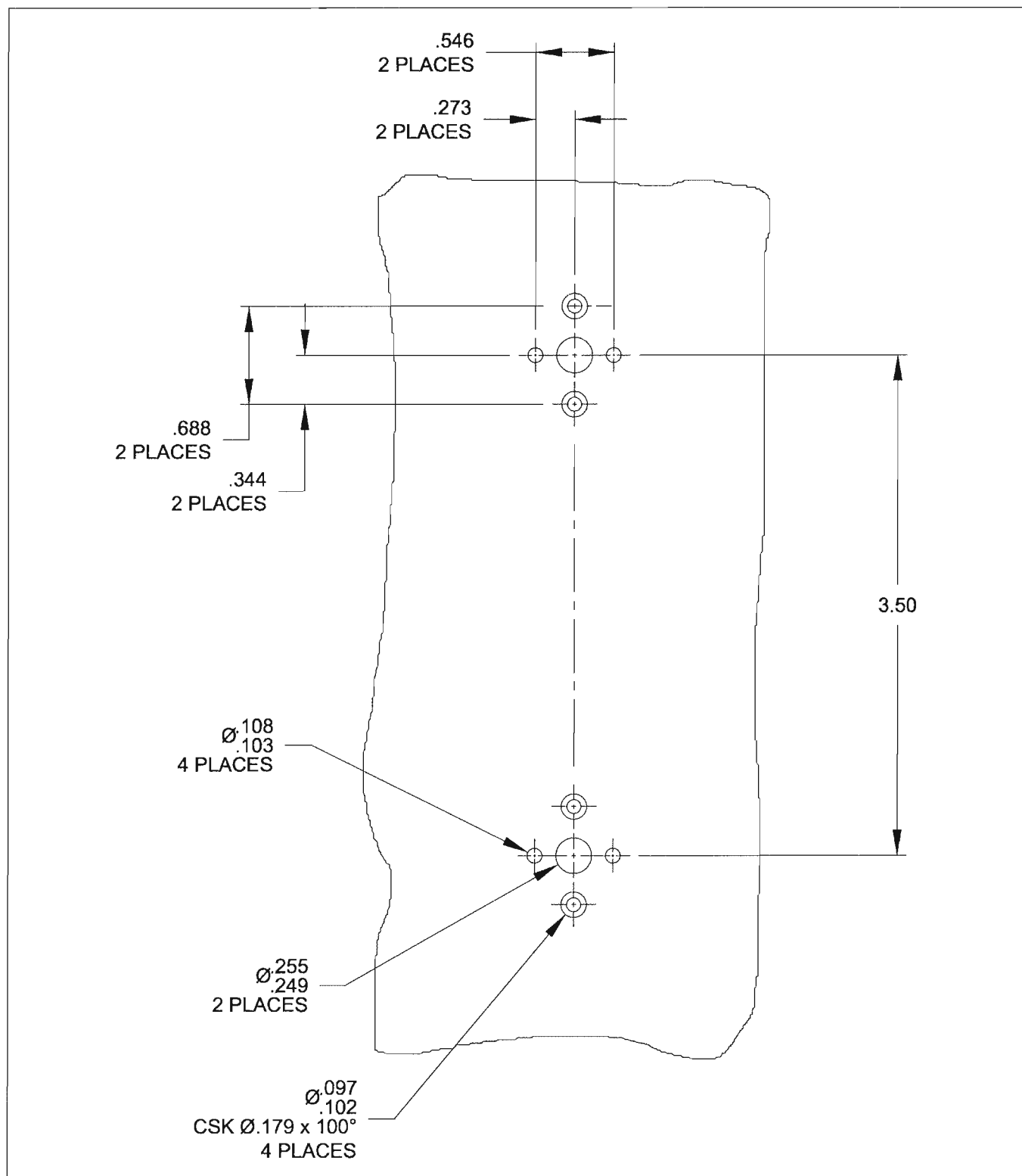
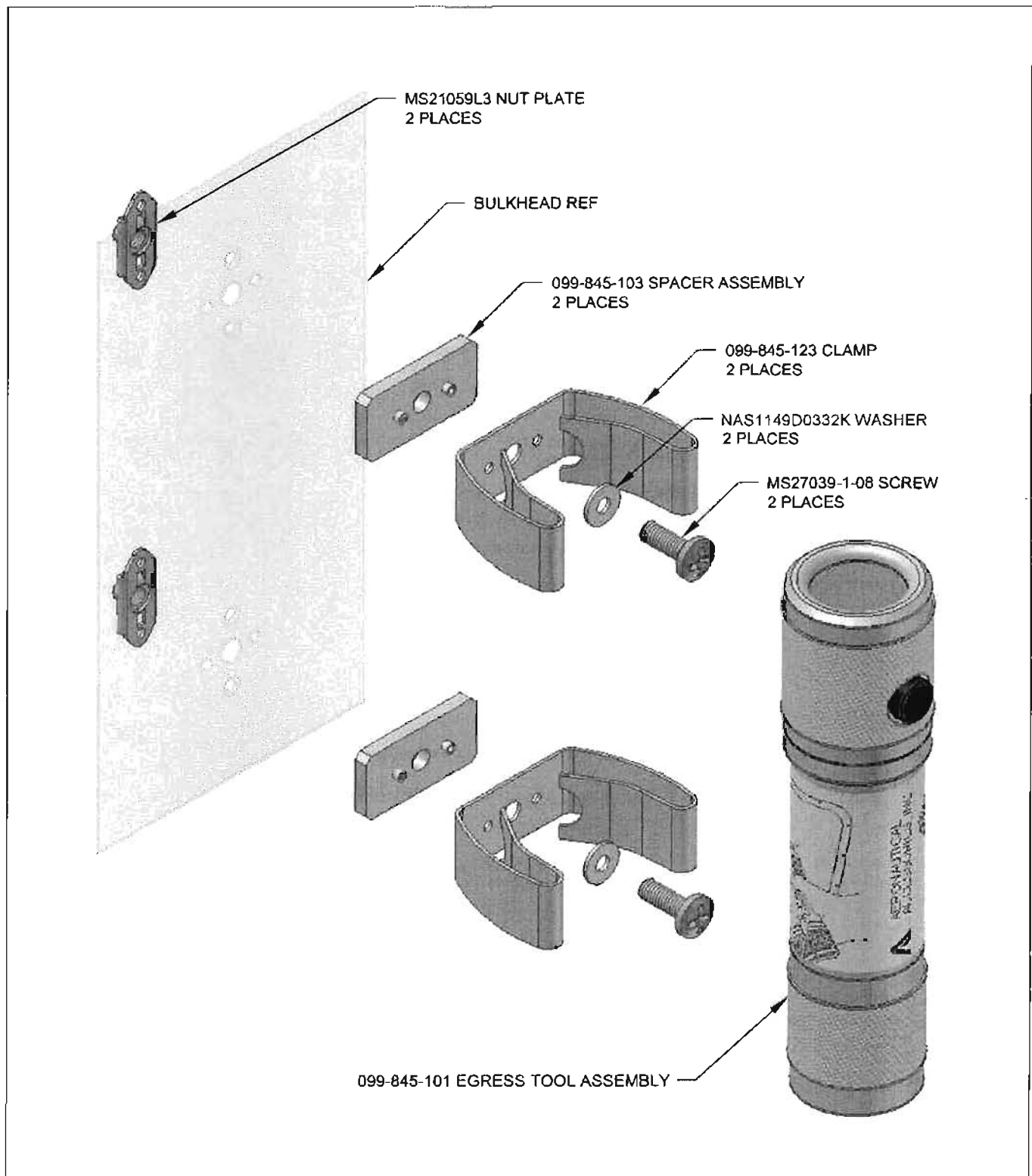
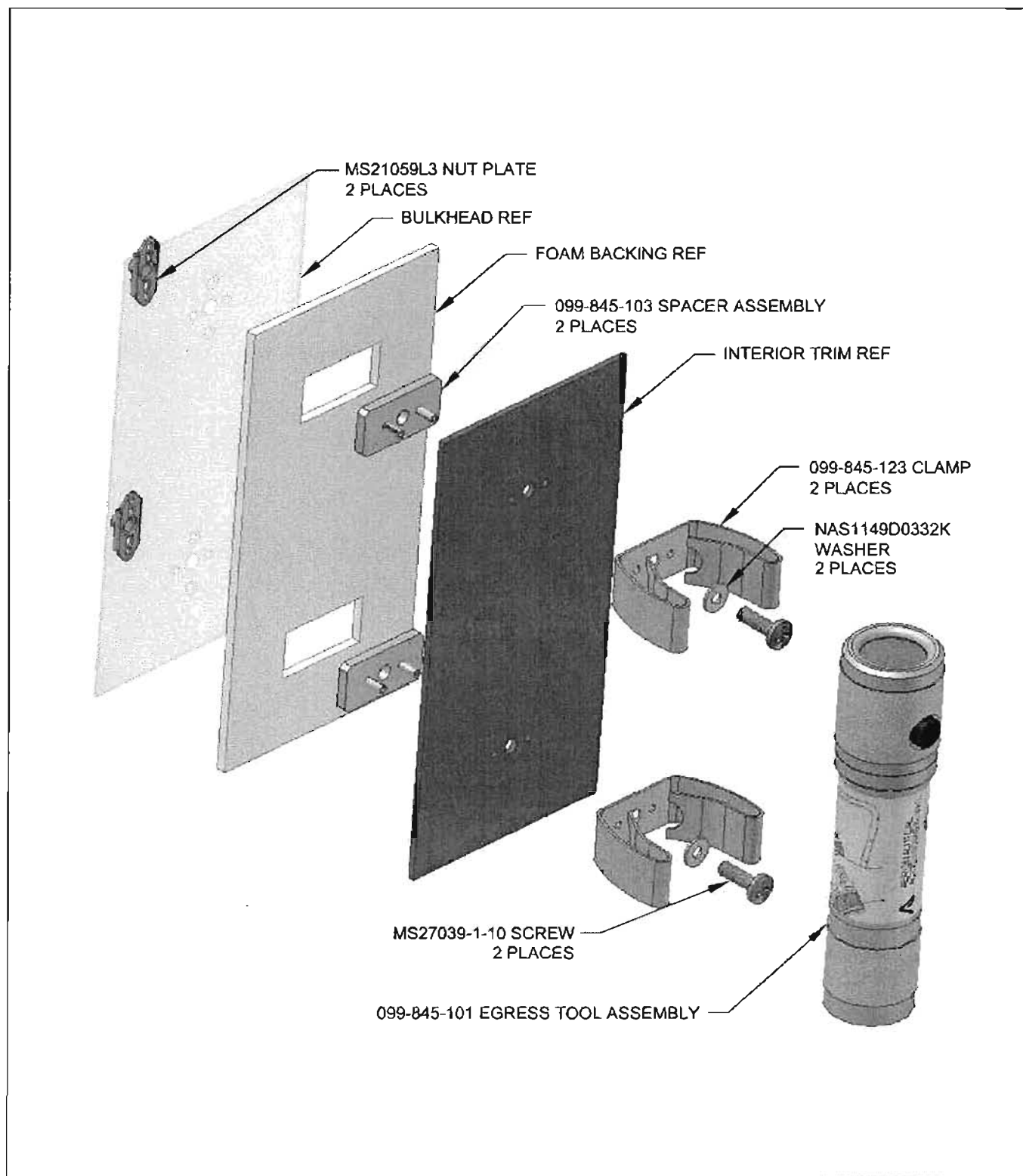


FIGURE 5 – EGRESS TOOL MOUNTING HOLE PATTERN

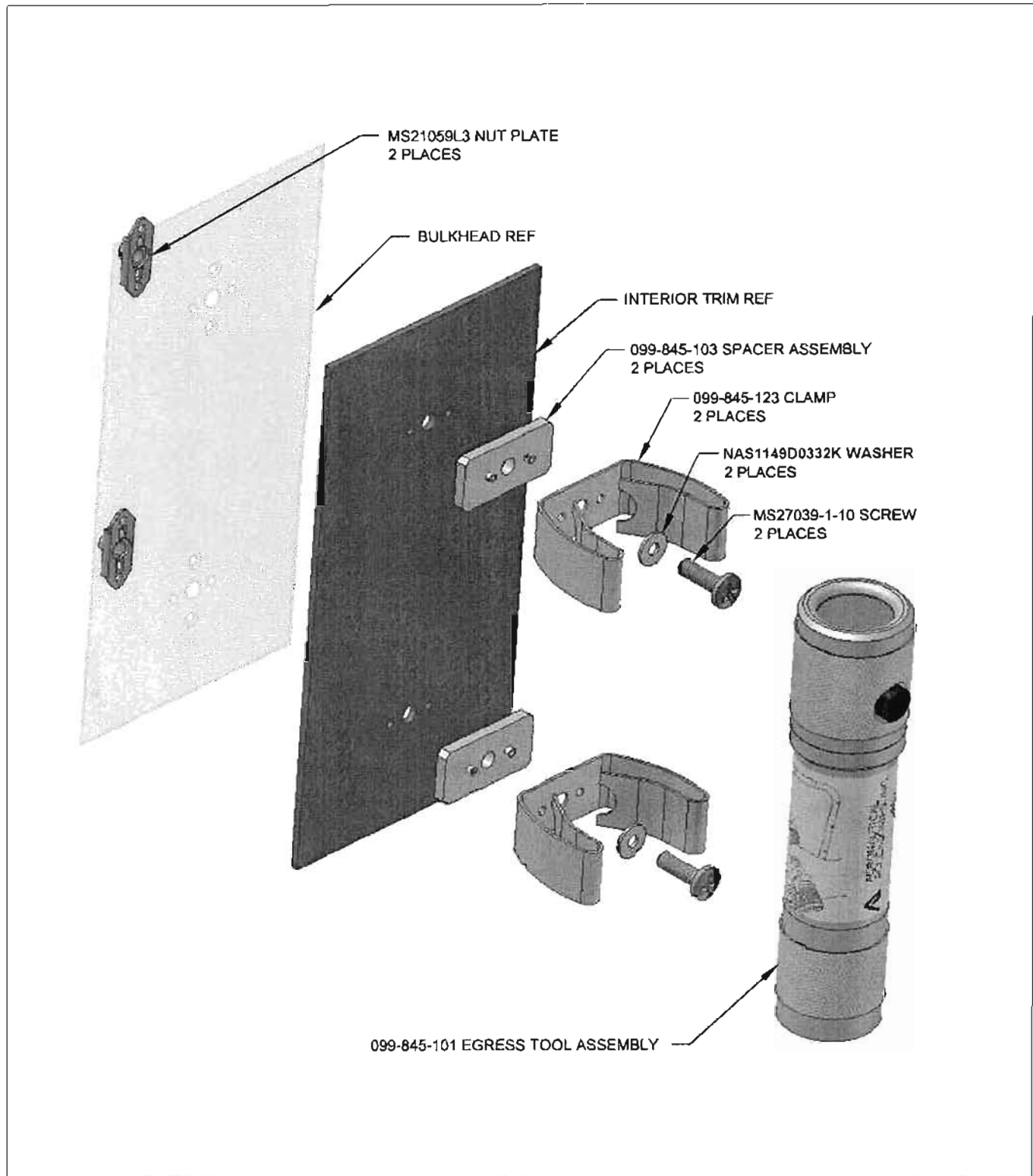
AERONAUTICAL ACCESSORIES, INC.

**FIGURE 6 – EGRESS TOOL INSTALLATION (AIRCRAFT W/O INTERIOR TRIM)****AERONAUTICAL ACCESSORIES, INC.**



**FIGURE 7 – EGRESS TOOL INSTALLATION
(AIRCRAFT W/ INTERIOR TRIM W/ FOAM BACKING)**

AERONAUTICAL ACCESSORIES, INC.



**FIGURE 8 – EGRESS TOOL INSTALLATION
(AIRCRAFT W/ INTERIOR TRIM W/O FOAM BACKING)**

AERONAUTICAL ACCESSORIES, INC.

INSTALLATION INSTRUCTIONS **FLOATSTEP™ KIT**

PARTS LIST

206-303-401 FLOATSTEP™ KIT

<u>Qty</u>	<u>Part Number</u>	<u>Description</u>
2	206-300-101	Clamp Bracket Assy. (Fwd)
2	206-300-113	Step Bracket Assy. (Aft)
2	206-300-123	Step Bracket Assy. (Fwd)
2	206-300-211	Clamp Bracket Assy. (Aft)
1	206-301-117	Step Assembly, Left Hand
1	206-301-118	Step Assembly, Right Hand
2	206-304-003	Float Guard (Aft)
2	206-304-005	Float Guard (Fwd)
4	206-304-121	Shoulder Washer
4	350-905-005	Washer
16	AN4H5A	Bolt
4	MS27039-1-10	Screw
16	MS27039-1-11	Screw
4	MS27039-1-12	Screw
16	MS27039-4-08	Screw
24	NAS1149D0332J	Washer Alt.: AN960JD10L
8	NAS1149D0363J	Washer Alt.: AN960JD10
32	NAS1149D0463J	Washer Alt.: AN960JD416
1	099-050-172 (Alt: 099-050-138)	Adhesive, Superglue (Loctite 49504) (EA9320NA)
1	099-845-001	Egress Tool Kit
1	AA-01160	Instructions for Continued Airworthiness

099-845-001 EGRESS TOOL KIT

<u>Qty</u>	<u>Part Number</u>	<u>Description</u>
1	099-845-101	Egress Tool Assembly
2	099-845-103	Spacer Assembly
2	099-845-123	Clamp
2	MS21059L3	Nut Plate
4	CCR264SS-3-2	Rivet
2	MS27039-1-08	Screw
2	MS27039-1-10	Screw
2	NAS1149D0332K	Washer

Confirm inventory prior to installation.

Packed by: _____ / _____ / _____

AERONAUTICAL ACCESSORIES, INC.

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

Number SH1322SO

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 6 of the Civil Air Regulations.

Original Product -- Type Certificate Number : H2SW

Make : Bell Helicopter Textron Canada

Model : 206A/206A-1 (OH-58A) / 206B/206B-1 (OH-58B) /
206L/206L-1/206L-3/206L-4/407

Description of Type Design Change:

Manufacture of aluminum entrance step in accordance with Aeronautical Accessories, Inc. Drawing List Report No. KR-175, Revision "E", dated July 8, 1982, or later FAA approved revisions, and installation per "Installation Instructions" listed therein on helicopters equipped with high skid gear.

Limitations and Conditions:

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 : January 04, 1982

Date reissued : July 25, 2011

Date of issuance : March 05, 1982

Date amended : November 7, 1985;
June 7, 1988; October 5, 1992;
June 28, 1995; February 29, 1996;
September 18, 1998

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): _____

DEPARTMENT OF TRANSPORT

Supplemental Type Approval

Number: SH96-55

This approval is issued to:

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

Issue No.: 1

Approval Date: May 13, 1996

Issue Date: May 13, 1996

Responsible Region:

Headquarters

Aircraft/Engine Type or Model:

Bell 206A, 206A-1, 206B, 206B-1, 206L, 206L-1,
206L-3, 206L-4, 407

Canadian Type Approval or Equivalent:

H-92

Description of Type Design Change:

Installation of an aluminum entrance step on
helicopter equipped with high skid gear in
accordance with FAA STC SH1322SO.

Installation/Operating Data,
Required Equipment
and Limitations:

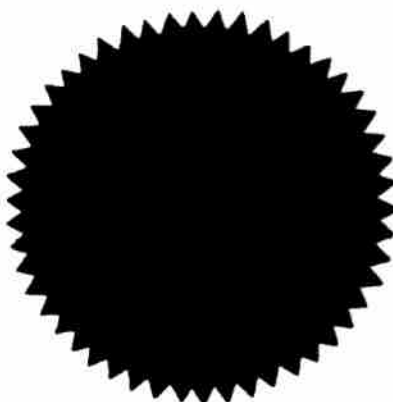
Installation of an aluminum step on helicopter
equipped with high skid gear is to be done
in accordance with Aeronautical Accessories, Inc.
Drawing List of Report No. KR-175, Revision "E",
dated July 8, 1985, or later approved revision.

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



F. R. Davies

Airworthiness Branch Ottawa
For Minister of Transport





ENTE NAZIONALE
PER L'AVIAZIONE CIVILE
(ex D.L.gs. No. 250/97)

REGISTRO AERONAUTICO ITALIANO
DIREZIONE CERTIFICAZIONE MATERIALE AERONAUTICO

Our ref.: 98/926/MAE
25 February 1998

Aeronautical Accessories, Inc.
P.O. Box 3689
Bristol, Tennessee 37625
USA

Subject: FAA STC SH1322SO - Italian Validation.

Reference: Aeronautical Accessories, Inc. letter of application dated 24 November 1997.

Dear Sirs,
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 SH1322SO amended on 29 February 1996 can be considered validated in Italy.

The validation is granted for the following models:

Bell 206A, B, L-1.

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

Yours faithfully

MAE Director
Ing. Filippo De Florio

CE/bs

c.c.: - FAA Brussels
- DD.TT. RAI

Dirección Nacional de Aeronavegabilidad

Certificado Tipo Suplementario

Supplemental Type Certificate

NUMERO: 9806-17(A)
Number:

Este Certificado es emitido a nombre de: Aeronautical Accessories, Inc.

This Certificate issued to:

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

certificando que todos los cambios en el diseño tipo para el siguiente producto, con las limitaciones
certifies that all changes in the type design for the following product, with the limitations

y condiciones que específicamente se expresan aquí, cumplen con los requerimientos de aeronave-
and conditions specified herein, meet the airworthiness requirements

gabilidad de la Parte 27

of Part

del Reglamento de Aeronavegabilidad de la Republica Argentina.

of the Argentine Airworthiness Regulations.

Producto Original - Certificado Tipo Número: Disp. 04/91 de DNA Reconocimiento del C.T. de FAANº H2SW
Original Product - Type Certificate Number: Disposal 04/91 Recognition of T.C. of FAA Nº H2SW

Marca: Bell

Make:

Modelo: 206A, 206B, 206L, 206L-1, 206L-3, 206L-4, 407

Model:

Descripción del cambio en el Diseño Tipo: (Ver. Hoja Continuación C. T. S.)

Description of Type Design Changes:

(See Sheet S.T.C. Continuation)

Limitaciones y condiciones: (Ver. Hoja Continuación C. T. S.)

Limitations and Conditions:

(See Sheet S.T.C. Continuation)

Este Certificado y los datos en él contenidos, deberán permanecer en vigencia, hasta que sea

This Certificate and the supporting data included herein, shall remain in effect, until

cancelado, suspendido o revocado, o la fecha de finalización, sea establecida de otra manera por

surrendered, suspended, revoked, or until a termination date is otherwise established by

el Director Nacional de la DNA.

the DNA National Director.

Fecha de solicitud: 03 / Sept. / 97

Date of application:

Fecha de Reemisión: / /

Date of Reissuance:

Fecha de emisión: 17 / Jun. / 98

Date of issuance

Fecha de enmienda: 09 / Nov. / 98

Date of amendment:

Por el Director Nacional de Aeronavegabilidad

For and behalf of the National Airworthiness Director

(Firma)

Signature

Ing. Danilo R. Wenk

(Cargo) Director de Certificación Aeronáutica Córdoba

Title

Cualquier adulteración y/o supresión de este Certificado y/o de las Hojas de Datos Técnicos del

Any adulteration and/or suppression on this Certificate and/or to the Technical Datasheets of the

Certificado Tipo, hará posible a su autor de las penas previstas en los Arts. 292, 293 y 294 del

Type Certificate, will make its author deserve the penalties foreseen in Arts. 292, 293 y 294 of the

Código Penal de la Republica Argentina.

Penal Code of the Argentine Republic.

INSTRUCCIONES: La notificación de transferencia puede ser usada para notificar a la Dirección

INSTRUCTIONS: The notification of assignment may be used to notify the "Dirección

Nacional de Aeronavegabilidad de la transferencia del Certificado Tipo Suplementario.

Nacional de Aeronavegabilidad" (DNA) about the Supplemental Type Certificate assignment

La Dirección Nacional de Aeronavegabilidad reeditará con el nombre del transferente y se la

The "Dirección Nacional de Aeronavegabilidad" will reissue it under the name of the assignee and will forward it to him.

enviará.

NOTIFICACION DE TRANSFERENCIA

NOTIFICATION OF ASSIGNMENT

Transferir la propiedad del Certificado Tipo Suplementario N°:

Transfer title of the Supplemental Type Certificate N°

a (nombre del transferente)

to (assignee's name)

dirección del transferente

(assignee's address)

(Calle y Número)

Street and Number

.....
(Ciudad y Código Postal)

City and Zip Code

de (nombre del cesionista)

from (assignor's name)

(dirección del cesionista)

(assignor's address)

(Ciudad y Código Postal)

City and Zip Code

Grado de la Autoridad (si tiene permiso para el acuerdo):

Authority's Grade (if he has licence for the agreement)

Fecha de transferencia:/...../.....

Date of assignment:

Firma del cesionista (en tinta):

Assignor's signature (in ink)



JUL 1 1990

Central Office

G.P.O. Box 367
Canberra
ACT 2601
Telephone: (06) 268 4111
Telex: 62221
FAX: (06) 268 5683

Our Ref: F88/186

Aeronautical Accessories Inc.
P.O.Box 3689
BRISTOL
TENNESSEE 37625
U.S.A.

Dear Sir,

The following FAA STC has been accepted for the Bell
206A/B/L/L-1/L-3 helicopters as specified in the FAA STC listed
below for use on Australian registered aircraft.

FAA STC SH 1322 SO
Installation of an aluminium entrance step on helicopters
equipped with high skid gear.

The data package will be retained in our "Commercial in
Confidence" storage for continuing airworthiness purposes. It
will not be made available to anyone, other than an officer of
the Authority with a need to know, without Aeronautical
Accessories Inc.'s written consent.

Yours faithfully

(S. Pantelidis)
for Assistant General Manager
Airworthiness Certification Branch

5 July 1990

cc: Lloyd Helicopters Pty.Ltd.
Adelaide Airport
ADELAIDE S.A. 5000

cc: CAA Airworthiness
ADELAIDE S.A.



REPÚBLICA FEDERATIVA DO BRASIL
Ministério da Aeronáutica
CENTRO TÉCNICO AERESPACIAL

CERTIFICADO DE HOMOLOGAÇÃO SUPLEMENTAR DE TIPO

NÚMERO 9208-07

CATEGORIA NORMAL

Este documento, emitido com base na Portaria nº 453/GM5, de 02 de Agosto de 1991 ,
em nome de: AERONAUTICAL ACCESSORIES, INC.

P.O. Box 3689

Bristol - TENNESSEE 37625

U.S.A.

atesta que a modificação do projeto de tipo do produto citado abaixo, observadas as
limitações e condições especificadas no Adendo a este Certificado, satisfaz os requi-
sitos de aeronavegabilidade aplicáveis ao produto original.

PRODUTO ORIGINAL

Marcas de nacionalidade e de matrícula: -x-x-

Fabricante: BELL HELICOPTER TEXTRON, INC.

Modelo(s) : 206A, B, L, L-1 e L-3

Nº de série: -x-x-

Nº do Certificado de Tipo: H2WE (USA)

DESCRIÇÃO DA MODIFICAÇÃO

Instalação do ALUMINIUM ENTRANCE STEP em helicópteros equipados com
trem de pouso alto de acordo com o DRAWING LIST REPORT Nº KR-175,
Rev. L, de 02 de Abril de 1992, ou em revisões posteriores aprova-
das pelo CTA.

DATAS

Da requerimento: 09 JUL 92 Da emissão: 26 AGO 92 Da reemissão:

APROVAÇÃO

Chefe da Divisão de Homologação Aeronáutica
PAULO GASTÃO SILVA - Maj Eng

Diretor do CTA
Maj Brig do Ar - ADVR DA SILVA

NOTAS

- a) Este Certificado e os dados técnicos com base nos quais ele foi emitido são válidos até que sejam cancelados, suspensos, revogados ou um prazo limite seja estabelecido pelo **Centro Técnico Aeroespacial**.
- b) O proprietário deste Certificado deve:
- mantê-lo integrado ao dossiê do respectivo processo de homologação;
 - manter cópia do Certificado a bordo da aeronave junto dos documentos da mesma.

ENDOSSO DE TRANSFERÊNCIA* NÃO APLICÁVEL

Transfiro a propriedade deste Certificado de Homologação Suplementar de Tipo para:

ADQUIRENTE	Nome:
	Logradouro:
	CEP: Cidade: Estado:
TRANSFERENTE	Nome:
	Logradouro:
	CEP: Cidade: Estado:

Data de Transferência:

Assinatura do Transferente:

* - No caso de transferência de propriedade deste Certificado, o transferente deve preencher o quadro "Endosso de Transferência". e o adquirente deve enviar este Certificado à Divisão de Homologação Aeronáutica para que seja reemitido em nome do adquirente.

OBSERVAÇÕES

**Mitteilung
über die
Ergänzung der Musterzulassung
Nr.:
0804/3034**

Revision:

EMZ-Inhaber:	
Änderung:	
Muster/Baureihe:	
Geräte-Kennblatt Nr.	

1. Die Musterzulassung des o.a. Luftfahrzeuges wird durch folgende Angaben ergänzt:

Die Verwendung von Aluminium-Trittstufen „Filtestep Kit“, „Floatstep Kit“, „Replacement Pad Kit“ gemäß FAA-STC No. SH132280 in Hubschraubermuster der o. g. Baureihen ist zugelassen, sofern diese mit einem hohen Landewerk ausgerüstet sind.

2. Definition der Änderung:

Alle Baureihen: Aeronautical Accessories, Inc. Drawing List
Report No. KR-175, Rev. Q vom 22.02.1996, oder spätere,
FAA-anerkannte Revision.

2. Ergänzende Betriebsanweisungen:

Alle Baureihen: Aeronautical Accessories, Inc. Installation Instructions.

Unterlagen sind zu beziehen bei:

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

Diese Mitteilung gilt in Verbindung mit dem Drehflügler-Kennblatt Nr. 3034 in der jeweils gültigen Ausgabe.

AIRWORTHINESS APPROVAL NOTE NO: 23814 Issue 12

APPLICANT: CAA Internal Purposes

AIRCRAFT TYPE: Bell 206 Series

REGISTRATION NO: Not Applicable

CONSTRUCTOR'S NO: Not Applicable



Validation of Aeronautical Accessories FAA Bell 206 Series STC Approvals

In accordance with BCAR B2-2 para 7.2.3 procedures, the following Aeronautical Accessories, Inc modifications are approved for use in the Transport Category (Passengers) when installed in accordance with the FAA STC on UK registered Bell/Agusta Bell 206 Series aircraft, as appropriate:

<u>Description</u>	<u>STC</u>	<u>Model</u>
Range Extender	SH2889SW	Bell 206A,B
Longrange Extender	SH1322SO	Bell 206L,L-1
Raingutter	SH1148SO	Bell 206A,B,L,L-1,L-3
Spacemaker	SH227WP	Bell 206A,B,L,L-1,L-3,L-4,407
Maintenance Step	SH1281SO	Bell 206A,B
Folding Maintenance Step	SH2243SO	Bell 206A,B,L,L-1,L-3,L-4,407
Step/Handle	SH1282SO	Bell 206A,B
Step/Handle	SH1366SO	Bell 206L,L-1,L-3,L-4,407
High Skid Gear	SH1392SO	Bell 206A,B
High Skid Gear	SH2804SO	Bell 206L,L-1,L-3,L-4
Low Skid Gear	SH2764SO	Bell 206A,B
Low Skid Gear	SH2941SO	Bell 206L,L-1,L-3,L-4
Flitestop	SH1322SO	Bell 206A,B,L,L-1,L-3,L-4
Baggage Floor Protector	SH1147SO	Bell 206A,B,L,L-1,L-3,L-4,407
Cyclic Cover	SH244WE	Bell 206A,B,L,L-1,L-3,L-4
Collective Safety Cover	SH2373SO	Bell 206A,B,L,L-1,L-3,L-4
Crew Wedge Window	SH1815SO	Bell 206A,B,L,L-1,L-3,L-4
Replacement Windows	SH1664SO	Bell 206A,B,L,L-1,L-3,L-4
Crew Shoulder Harness	SH2073SO	Bell 206A,B,L,L-1,L-3,L-4
Door Openers	SH1990SO	Bell 206A,B,L,L-1,L-3,L-4,407
VRS	SH7882SW	Bell 206A,B
Cabin Floor Protector	SH2289SO	Bell 206A,B,L,L-1,L-3,L-4,407
Crew Vertical Slide Windows	SH2139SO	Bell 206A,B,L,L-1,L-3,L-4,L-4 (Modified)
Replacement Drive Train Seals	SR00539AT	Bell 206A,B,L,L-1,L-3,L-4
Tail Rotor Pedal Lockout	SR00513AT	Bell 206A,B,L,L-1,L-3,L-4
Replacement Interior Trim	SID298SO	Bell 206A,B,L,L-1,L-3
Replacement Door Locks and Locking	SR00095AT	Bell 206A,B,L,L-1,L-3,L-4
Fuel Cap		

APPLICANT
AIRCRAFT PROJECTS DEPARTMENT
FLIGHT MANUALS SECTION
POWERPLANT DEPARTMENT
REGIONAL MANAGER:-

<u>Description</u>	<u>STC</u>	<u>Model (Cont'd)</u>
Lightweight Replacement Nitrogen Reservoir Assembly	SR00175AT	Bell 206A, B, L, L-1, L-3, L-4
Electrical Inflation Valve Retrofit Kit	SR00822AT	Bell 206A, B, L, L-1, L-3
Air Deflector	SR01556AT	Bell 407
Air Deflector	SR01582AT	Bell 206A, B, L, L-1, L-3, L-4
Dual Video Camera System and Monitor	SH2292SO	Bell 206A, B, L, L-1, L-3
Hinged Circuit Breaker Panel	SR00347AT	Bell 206A, B, L, L-1, L-3, L-4

Issue 2 has been raised to correct minor editorial errors.

Issue 3 has been raised to include the Bell 206L4, where applicable.

Issue 4 has been raised to include the Crew Vertical Slide Windows.

Issue 5 has been raised to include the Replacement Drive Train Seals.

Issue 6 has been raised to include the Tail Rotor Pedal Lockout and Bell 206 L-4 applicability to High and Low Skid Gear.

Issue 7 has been raised to include the Replacement Interior Trim

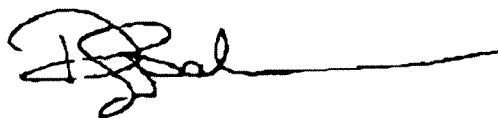
Issue 8 has been raised to include Replacement Door Locks and Locking Fuel Cap

Issue 9 has been raised to include replacement Nitrogen Reservoir and Electrical Inflation Valves for the Bell Emergency Flotation Equipment.

Issue 10 has been raised to include installation of Air Deflection on crew and passenger door windows.

Issue 11 has been raised to include STCs SR01582AT, SH2292SO and SR00347AT.

Issue 12 has been raised to include the Bell 407, where applicable.



P Sparkes

For the Civil Aviation Authority

Date 8 October 1999



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 9807-04
(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. A copy of this Certificate and the appropriate Installation Instruction shall be maintained as part of the permanent records for the modified aircraft.

-----END-----

中国民用航空总局

GENERAL ADMINISTRATION OF CIVIL AVIATION OF CHINA

补充型号合格证

VALIDATION OF SUPPLEMENTAL TYPE CERTIFICATE

编号/NO. 0316149

本证颁发给/This Certificate is issued to Aeronautical Accessories, Inc.

适用机型/Applicable Aircraft Model: Bell 206A/206A-1(OH-58A)/206B/206B-1(OH-58B)/206L/206L-1/206L-3/206L-4/407

级济/Description: Manufacture of aluminum entrance step in accordance with Aeronautical Accessories, Inc. Drawing List Report No. KR-175, Revision "E", dated July 8, 1982, or later FAA approved revisions, and installation per "Installation Instructions" listed therein on helicopters equipped with high skid gear.

使用限制/Limitation: See the "Limitation and Conditions" of SH1322SO (Issued on September 18, 1998)

经中国民用航空总局审查确认,上述民用航空产品的设计更改符合中国民用航空规章的有关规定。中国民用航空总局对由 FAA 颁发的第 SH1322SO 号补充型号合格证给予认可。

This is to certify that design change of above civil aeronautical product meets applicable China Civil Aviation Regulations. General Administration of Civil Aviation of China validates the Supplemental Type Certificate No. SH1322SO issued by FAA

局长授权:

For the Minister of CAAC: 周凯旋

签字/Signature Deputy Director General

职务/Title CAAC-AAD

部门/Department 8/11/2003

日期/Date

AAC-156(01/2000)

RECEIVED TIME 18.AUG. 14:29

PRINT TIME 18.AUG. 14:36

JAN 27 1997



Luftfahrt-Bundesamt

Luftfahrt-Bundesamt Postfach 3054 D-38020 Braunschweig

Aeronautical Accessories, Inc
Attn.: Mr. Robert A. Shepard
P.O. Box 3689
Bristol, Tennessee 37625-3689
U.S.A.

c/c:
Federal Aviation Administration
Aircraft Certification Office - AEU-100
c/o American Embassy
27 Blvd. du Regent
B-1000 Bruxelles

Your correspondence
Sept. 18 and 19, 1996

(Please refer to)
Our reference
I 322/57/97/3034

Our extension
261

Braunschweig
09.01.97

**Subj: LBA-approval of your STC's No. SH1322SO, SH1366SO
and SH1282SO for Bell 206 and 407 Helicopter Series**

Dear Mr. Shepard:

Following your applications dated 18 and 19 Sept. 1996, this is to advise you that LBA has validated your FAA-STC No. SH1282SO, SH1366SO and SH1322SO for German registered Bell 206 A, B, L, L-1, L-3, L-4 and 407 Helicopter Models as specified and documented by the enclosed "Mitteilung über die Ergänzung der Musterzulassung" (EMZ) Nrs. 0804/3034, 0808/3034 and 0809/3034, dated January 13, 1997.

According to our Certification Regulations, the holder of a German EMZ is under obligation to supply LBA and all German operators of the respective aeronautical product with all documents and revisions - including LBA-approved German translations of FLM-supplements, if any - necessary for the safe operation and continued airworthiness of the aircraft and its equipment.

You also have a responsibility to immediately report to LBA failures, malfunctions, or defects in any product or part manufactured by you that has resulted or could result in any of the occurrences listed FAR Part 21.3.

The invoices covering man-hour costs and administrative fees for project-related official actions according to the "Order of Costs for the Civil Aviation Administration" will be sent to your German distributor- Egle Air Service -.

FAA and Egle Air Service will receive a copy of this letter for information.

Regards,

A handwritten signature in dark ink, appearing to read 'Kayser-Herold', is written over the printed name.

Kayser-Herold
Project Certification Manager



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 9208-07
(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: H2SW (FAA-USA)
(Original Product - Type Certificate No:)

Fabricante: Bell Helicopter Textron
(Manufacturer:)

Modelo(s): 206A, 206B, 206L, 206L-1, 206L-3 and 206L-4
(Model(s):)

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

Installation of an aluminum entrance step on helicopter equipped with high skid gear, in accordance with Drawing List Report No. KR-175, Rev. S, dated 20 JUN 1997, or later approved revisions.
This CHST validates in Brazil the STC # SH1322SO, issued by FAA (USA), only for the models referred above.

LIMITAÇÕES E CONDIÇÕES:
(Limitations and Conditions)

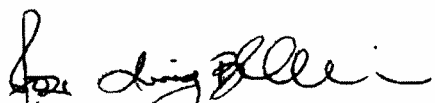
See continuation sheet for applicable data.

DATAS:
(Dates of)

Do Requerimento: 09 JULY 1992
(Application)

Da emissão: 26 AUG 1992
(Issue)

Da reemissão: 31 MAR 2000
(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)

NOTA:
(Note:)

- a) Este Certificado e os dados técnicos com base nos quais ele foi emitido são válidos até que sejam cancelados, suspensos, revogados ou um prazo limite seja estabelecido pelo Centro Técnico Aeroespacial.
(This Certificate and the supporting technical data used for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Centro Técnico Aeroespacial.)
- b) No caso de transferência de propriedade deste Certificado, o transferente deve preencher o quadro "Endosso de Transferência", e o adquirente deve enviar este Certificado à Divisão de Homologação Aeronáutica para que seja reemitido em seu nome.
(In case of transfer of the property of this Certificate, the grantor should fill the blanks of "Transfer Endorsement", and the transferee must remit this Certificate to the Centro Técnico Aeroespacial to permit reissuance of the Certificate in his name.)

ENDOSSO DE TRANSFERÊNCIA
(Transfer Endorsement)

Transfiro a propriedade deste Certificado de Homologação Suplementar de Tipo para:
(I transfer the property of this Supplemental Type Certificate to:)

ADQUIRENTE
(Transferee)

Nome:
(Name:)

Rua:
(Street:)

CEP: **Cidade:** **Estado:** **País:**
(Zip:) (City:) (State:) (Country:)

TRANSFERENTE
(Grantor)

Nome:
(Name:)

Rua:
(Street:)

CEP: **Cidade:** **Estado:** **País:**
(Zip:) (City:) (State:) (Country:)

Data de Transferência:
(Date of Transfer)

Assinatura do Transferente:
(Signature of the Grantor)

Nome:
(Name:)

Cargo:
(Function:)



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 9208-07
(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. A copy of this Certificate and the appropriate Installation Instruction shall be maintained as part of the permanent records for the modified aircraft.
- IV. Reissued in English language, on 31 MAR 2000.

-----**END**-----