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INSTRUCTIONS
for
CONTINUED AIRWORTHINESS
for
PRE-FLIGHT STEP/HANDLE™

P/N 206-531-130 (Single step kit)

P/N 206-531-123 (Single side, two step kit)

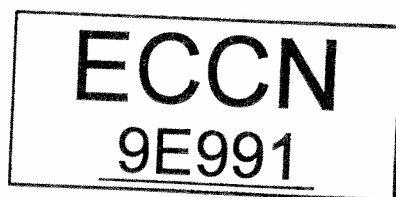
for

Bell 206 A, B, L, L-1, L-3, L-4 Model Helicopters

Report No. AA-00124

No Revision

October 9, 2000



LOG OF REVISIONS

REV.	DATE	DESCRIPTION	EFFECTED PAGES
-	10/9/00	Original Release.	All

LIST OF EFFECTIVE PAGES

LIST OF REVISIONS

No Revision (NR) October 9, 2000

LIST OF EFFECTIVE PAGES

<u>Title</u>	<u>Pages</u>	<u>Revision</u>
COVER	1	NR
LOG OF REVISIONS	2	NR
LIST OF EFFECTIVE PAGES	3	NR
TABLE OF CONTENTS	4	NR
1.0 INTRODUCTION	5	NR
1.1 DISTRIBUTION	5	NR
2.0 DESCRIPTION	5	NR
3.0 MAINTENANCE INSTRUCTIONS	5	NR
3.1 PRE-FLIGHT INSPECTION	5-6	NR
3.2 ANNUAL INSPECTION	6	NR
3.3 REPAIR	6	NR
4.0 TROUBLESHOOTING INFORMATION	7	NR
5.0 REMOVAL AND REPLACEMENT INFORMATION	7	NR
5.1 REMOVAL - PRE-FLIGHT STEP/HANDLE™	7	NR
5.2 INSTALLATION - PRE-FLIGHT STEP/HANDLE™	7	NR
6.0 STRUCTURAL FASTENER DATA	8	NR
7.0 SPECIAL TOOLS NEEDED	8	NR
8.0 RECOMMENDED OVERHAUL PERIODS	8	NR
9.0 AIRWORTHINESS LIMITATIONS	8	NR
10.0 WEIGHT AND BALANCE	8	NR
11.0 REVISION	8	NR
12.0 PARTS BREAKDOWN	9	NR
FIGURE 1 206A AND 206B	10	NR
FIGURE 2 206L, L-1, L-3, L-4	11	NR
APPENDIX A	12	NR
INSPECTION RECORD	13	NR

These Instructions for Continued Airworthiness (ICA), except for the Airworthiness Limitation Section, have been reviewed and found to comply with the applicable requirements of Appendix A to the Federal Aviation Regulations Part 27

FAA Acceptance Manuel Lopez Date 12/01/00
Fort Worth Aircraft Evaluation Group

TABLE OF CONTENTS

<u>Identification</u>	<u>Title</u>	<u>Page</u>
1.0	INTRODUCTION	5
	1.1 DISTRIBUTION	5
2.0	DESCRIPTION	5
3.0	MAINTENANCE INSTRUCTIONS	5
	3.1 PRE-FLIGHT INSPECTION	5-6
	3.2 ANNUAL INSPECTION	6
	3.3 REPAIR	6
4.0	TROUBLESHOOTING INFORMATION	7
5.0	REMOVAL AND REPLACEMENT INFORMATION	7
	5.1 REMOVAL - PRE-FLIGHT STEP/HANDLE™	7
	5.2 INSTALLATION - PRE-FLIGHT STEP/HANDLE™	7
6.0	STRUCTURAL FASTENER DATA	8
7.0	SPECIAL TOOLS NEEDED	8
8.0	RECOMMENDED OVERHAUL PERIODS	8
9.0	AIRWORTHINESS LIMITATIONS	8
10.0	WEIGHT AND BALANCE	8
11.0	REVISION	8
12.0	PARTS BREAKDOWN	9
	FIGURE 1 206A AND 206B	10
	FIGURE 2 206L, L-1, L-3, L-4	11
APPENDIX A		12
INSPECTION RECORD		13

1.0 INTRODUCTION

These instructions contain the information necessary to inspect and maintain the **AERONAUTICAL ACCESSORIES, INC. PRE-FLIGHT STEP/HANDLE™** (206-531-130, Single step kit) or 206-531-123 (Dual step kit) on Bell 206 A, B, L, L-1, L-3, L-4 Model Helicopters.

1.1 DISTRIBUTION

These instructions are provided with each **PRE-FLIGHT STEP/HANDLE™**. Any airworthiness or flight safety revisions will be immediately sent to all affected **PRE-FLIGHT STEP/HANDLE™** owners.

2.0 DESCRIPTION

The **AERONAUTICAL ACCESSORIES, INC. PRE-FLIGHT STEP/HANDLE™** provides an extra measure for safety during pre-flight and maintenance operations. The **STEP/HANDLE™** provides a sturdy handhold and allows the pilot or mechanic to more safely stand on the aircraft roof during inspection.

3.0 MAINTENANCE INSTRUCTIONS

3.1 PRE-FLIGHT INSPECTION

The **PRE-FLIGHT STEP/HANDLE™** shall receive a Pre-flight visual inspection. Inspect for proper installation of hardware, any unusual wear patterns, corrosion and/or damage (scratches, nicks, dents, cracks). Ensure the damage limits presented in Table 1 are not exceeded for the **PRE-FLIGHT STEP/HANDLE™**. Replace parts as required.

NOTE

Removal of **PRE-FLIGHT STEP/HANDLE™** from helicopter is not required for inspection. If any damage is noted during the Pre-flight Inspection, refer to Section 3.3 Repair or Section 4.0 Troubleshooting Information.

The Pre-flight inspection consists of the following items:

1. Inspect the Step/Handle for nicks, scratches, dents, corrosion, cracks or broken glass.

NOTE

The indications of corrosion are 1) corrosion deposits (a white or gray powder on aluminum or rust colored deposits on steel), 2) pits in the aluminum or steel surface, 3) blisters, bulging or flaking of protective coatings.

2. Inspect the attaching fasteners for security

TABLE 1: DAMAGE AND REPAIR LIMITS

COMPONENT	MAXIMUM ALLOWABLE DAMAGE AND REPAIR LIMITS	
	SCRATCHES/NICKS/DENTS	CRACKS
Pre-Flight Step/Handle	To a depth of .050"	None

3.2 ANNUAL INSPECTION

The **PRE-FLIGHT STEP/HANDLE** shall receive an Annual Inspection consisting of the following items:

1. Complete the Pre-flight inspection listed above.
2. Check the torque value on the Step/Handle attaching hardware and adjust as required to 50-70 in/lbs.
3. Utilize the Inspection Record provided in Appendix A to document Inspection completion.

3.3 REPAIR

Repair scratches, nicks, dents and corrosion as follows:

1. Lightly polish the affected area using Scotch-Brite pads. Ensure the limits presented in Table 1 are not exceeded. Take care to remove as little of the component protective coatings as possible.
2. For the aluminum components, after corrosion or damage repair: Clean repaired area with isopropyl alcohol, brush Alodine bare aluminum areas per MIL-C-5541 or equivalent, and paint area to match existing finish.
3. For the Steel components, after corrosion or damage repair: Prime with a rust prohibitive primer and paint area to match existing finish.

4.0 TROUBLESHOOTING INFORMATION

TABLE 2: TROUBLESHOOTING GUIDE (See Figures 1 and 2)

PROBLEM	PROBABLE CAUSE	REMEDY
Pre-Flight Step/Handle is loose or vibrates.	Fasteners loose or missing.	Check Step/Handle fastening hardware for security, replace as necessary.
	Screw Bottomed out in insert.	Check torque on fasteners, if loose may require additional washers.
	Sealant is deteriorated.	Remove Step/Handle and replace sealant (MIL-S-8802 or equivalent) and reinstall Step/Handle.
	Cracks in Step/Handle around fasteners.	Check Step/Handle condition with damage and repair limits. Repair or replace if necessary.

5.0 REMOVAL AND REPLACEMENT INFORMATION

(Refer to Table 3 and Figures 1 and 2 for part identification.)

5.1 REMOVAL - PRE-FLIGHT STEP/HANDLE™

1. Remove the two screws (3), and the four washers (4 or 5). Retain hardware for reinstallation.
2. Remove the Step/Handle (1).

NOTE

Use of a heatgun to soften sealant may facilitate removal.

5.2 INSTALLATION - PRE-FLIGHT STEP/HANDLE™

1. Install the Step/Handle (1).
2. Install the two screws (3) and two washers (4 or 5). Torque screws to 50-70 in/lbs.

NOTE

It may be necessary to use the optional NAS1149D0463J washers or a combination of the NAS1149D0416J washers and the NAS1149D0463J washers to obtain optimum fit.

6.0 STRUCTURAL FASTENER DATA

For hardware identification Table 3 and Figures 1 and 2.

7.0 SPECIAL TOOLS NEEDED

Torque wrench

8.0 RECOMMENDED OVERHAUL PERIODS

No component overhaul required for this type design change.

9.0 AIRWORTHINESS LIMITATIONS

No airworthiness limitations associated with this type design change.

10.0 WEIGHT AND BALANCE

206 A and 206B

Weight Change: 1.0 lbs. (each for 206-531-001)
.75 lbs. (each for 206-531-003)

Station: 107.13 (first **STEP/HANDLE™**)
89.13 (second **STEP/HANDLE™**)

Lateral Arm: ± 19.5 (one side only)
0.0 (both sides)

206 L, L-1, L-3, L-4

Weight Change: 1.0 lbs. (each for 206-531-001)
.75 lbs. (each for 206-531-003)

Station: 136.88 (first **STEP/HANDLE™**)
115.38 (second **STEP/HANDLE™**)

Lateral Arm: ± 19.5 (one side only)
0.0 (both sides)

11.0 REVISION

A Log Of Revision section is included in these instructions and will be utilized to document all changes. Change recommendations should be submitted to:

AERONAUTICAL ACCESSORIES INC.
P.O. Box 3689
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AERONAUTICAL ACCESSORIES, INC.

12.0 PARTS BREAKDOWN

Table 3 contains Parts Breakdown data for the **PRE-FLIGHT STEP/HANDLE** as illustrated in Figures 1 and 2.

TABLE 3: PRE-FLIGHT STEP/HANDLE (206-531-130) PARTS BREAKDOWN
*** PRE-FLIGHT STEP/HANDLE (206-531-123) PARTS BREAKDOWN**

INDEX NUMBER	PART NUMBER	ITEM NAME	QTY
1 *	206-531-003	Step/Handle	1
2 *	80-005-3-8	Insert	2
3 *	MS27039-4-11	Screw	2
4 *	NAS1149D0416J	Washer Alt.: AN960JD416L	2
5 *	NAS1149D0463J	Washer Alt.: AN960JD416	2

* For 206-531-123 Pre-Flight Step/Handle Kit double quantities.

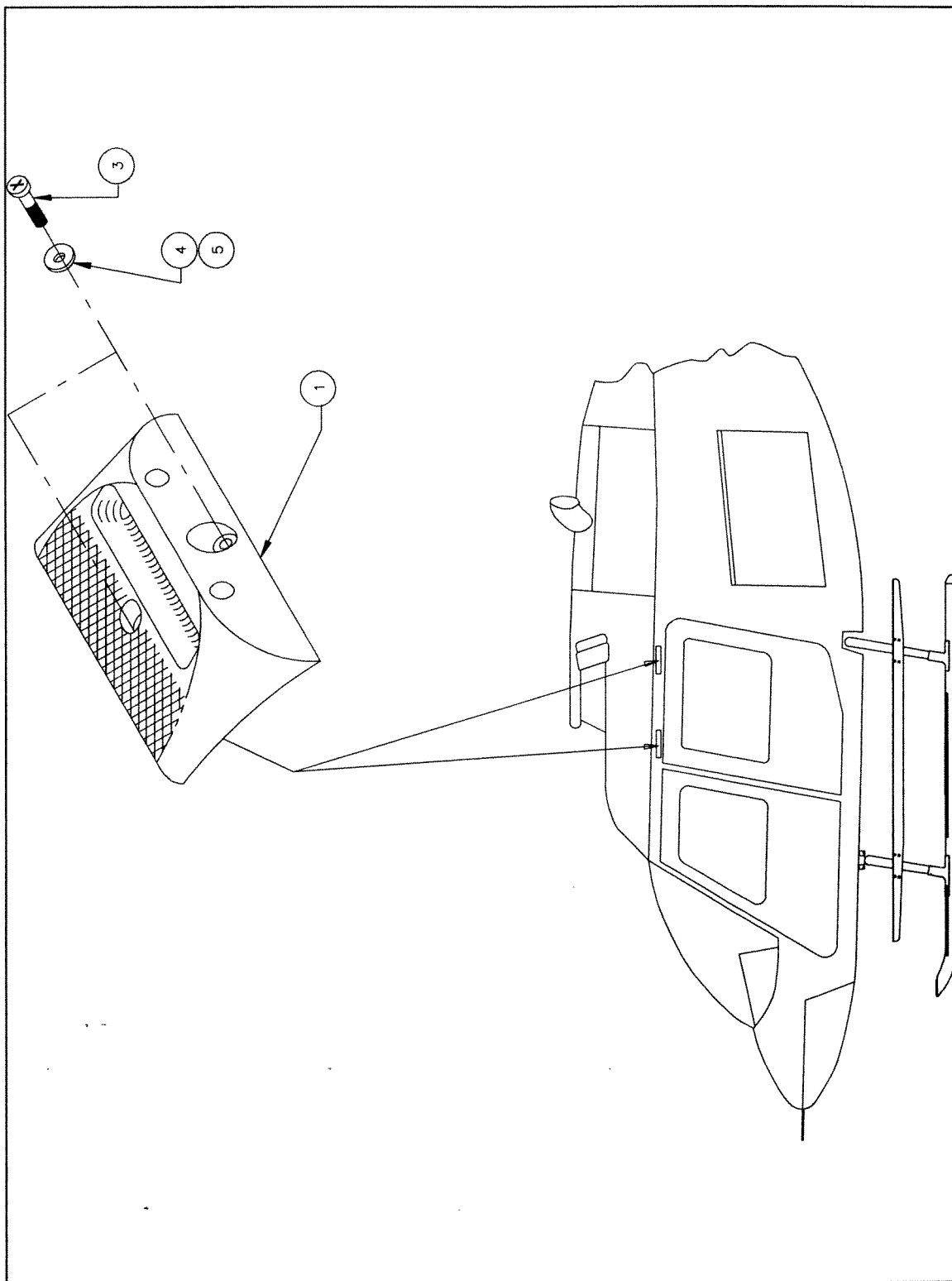


Figure 1 - 206A and 206B

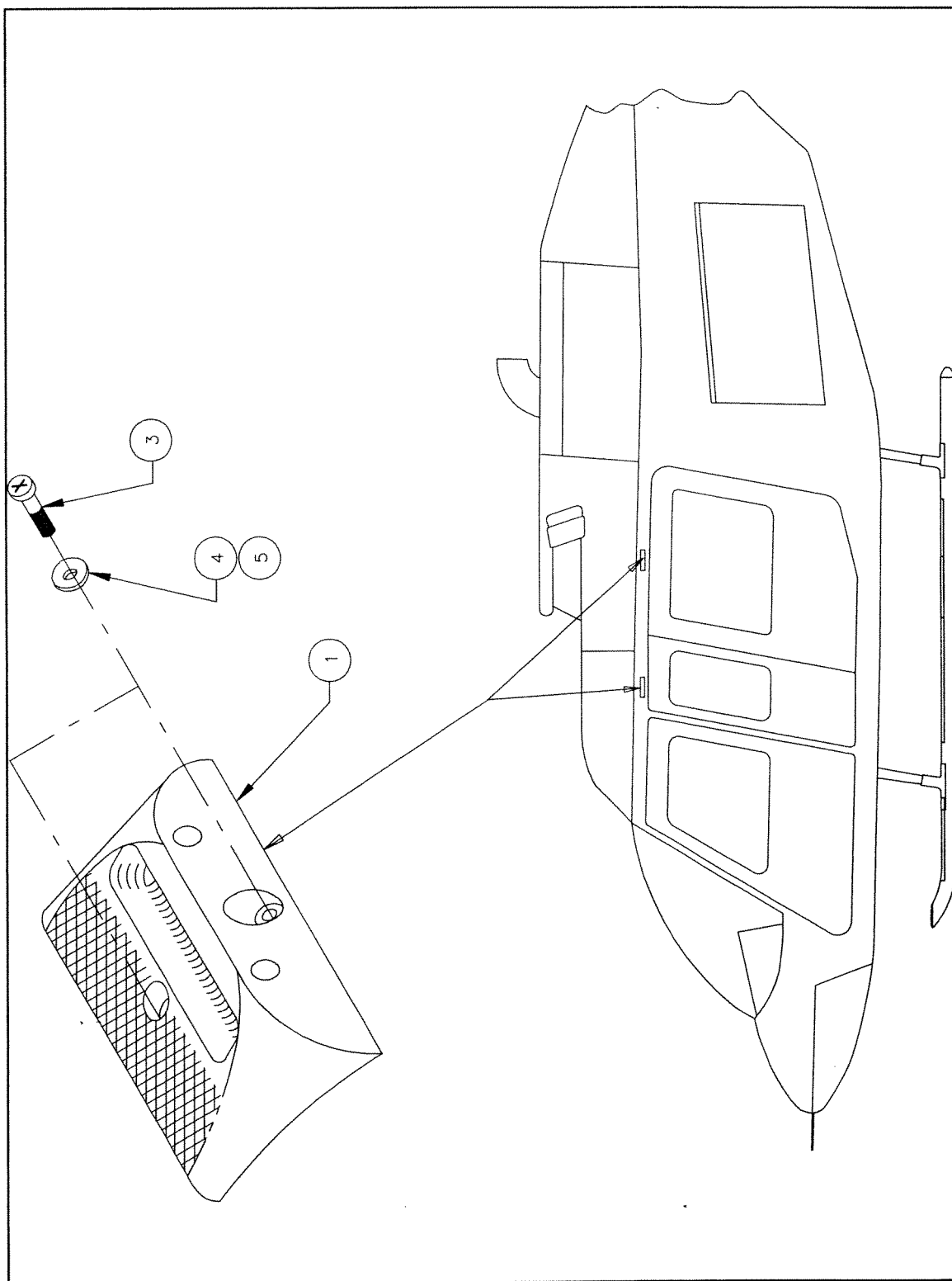


Figure 2 - 206L, L-1, L-3, L-4

APPENDIX - A

Annual Inspection Record

Work Order Number: _____
Registration Number: _____
Serial Number: _____
Total Time: _____
Date: _____

Inspect the PRE-FLIGHT STEP/HANDLE for the following in accordance with Section 3.2 ANNUAL INSPECTION.

- _____ 1. Inspect the Step/Handle for nicks, scratches, dents, corrosion, cracks or broken glass.

NOTE

The indications of corrosion are 1) corrosion deposits (a white or gray powder on aluminum or rust colored deposits on steel), 2) pits in the aluminum or steel surface, 3) blisters, bulging or flaking of protective coatings.

- _____ 2. Inspect the attaching fasteners for security.
- _____ 3. Check the torque value on the attaching hardware and adjust as required to 50-70 in/lbs.

Signature _____ **A & P No.** _____

Signature _____ **Inspector**