

ALERT SERVICE BULLETIN

REVISION NOTICE

Bell Helicopter **TEXTRON**

A Subsidiary of Textron Inc.

DATE 10-08-99

TO: All 214ST Owners/Operators

**SUBJECT: REVISION "A" TO ALERT SERVICE BULLETIN 214ST-93-62:
EMERGENCY FLOAT SYSTEM PNEUMATIC HOSE ASSEMBLY
REPLACEMENT AND CALENDAR LIFE ASSIGNMENT**

Revision "A" to ASB 214ST-93-62 is issued to add Part IV.

Part IV requires that affected float system hoses manufactured by a specific vendor be removed from service.

7851 60046 REV 1198

AN APPROPRIATE ENTRY SHOULD BE MADE IN THE AIRCRAFT LOG BOOK UPON ACCOMPLISHMENT
IF OWNERSHIP OF AIRCRAFT HAS CHANGED PLEASE FORWARD TO NEW OWNER

ALERT SERVICE BULLETIN

Bell Helicopter **TEXTRON**

A Subsidiary of Textron Inc.

NO. 214ST-93-62

DATE 07-05-93

PAGE 1 of 8

DATE 10-08-99

REV A

MODEL AFFECTED: 214ST

SUBJECT: EMERGENCY FLOAT SYSTEM PNEUMATIC HOSE ASSEMBLY REPLACEMENT AND CALENDAR LIFE ASSIGNMENT

HELICOPTERS AFFECTED: Model 214ST Helicopters Serial No. 28101 through 28200 equipped with Emergency Float Auxiliary Equipment Kit P/N 214-706-120-101, -103, -107 or -109.

[Helicopters S/N 28201 and subsequent and P/N 214-706-120 Emergency Float Auxiliary Equipment Kits delivered as spares after 25 June 1993 will have the intent of Parts II and III of this bulletin accomplished prior to delivery.]

COMPLIANCE: Parts I & IV: Immediately upon receipt of this bulletin.

A

Part II: Not later than 15 days following receipt of this bulletin.

Part III: Not later than 90 days following receipt of this bulletin.

DESCRIPTION:

Two reports have been received of float system pneumatic hose failure during routine manual inflation inspection.

Investigation of the failed hoses indicates the liner material is susceptible to deterioration due to age and that the rate of deterioration is affected by environmental severity, particularly heat.

Part I of this bulletin assigns a six (6) year calendar life (from initial installation) to the specific part number hose assemblies listed in the ACCOMPLISHMENT INSTRUCTIONS. Part II of this bulletin requires existing hoses installed at the reservoir assemblies to be replaced within 15 days after receipt of this bulletin. Part III requires the remaining float system hose assemblies to be replaced within 90 days after receipt of this bulletin. Part IV

A

7861 55192 REV 11/95

advises that hose assemblies manufactured by a specific vendor are no longer approved and must be removed from service.

A

APPROVAL:

The Engineering Design aspects of this bulletin are FAA/DER approved.

MANPOWER:

Manhours are based on "hands-on" time. Time to accomplish the required task may vary due to manpower and facilities available. It is estimated that approximately 15 manhours will be required to accomplish this bulletin.

WARRANTY:

Owners/operators who must change out hose assemblies in accordance with this bulletin are eligible for special 100% warranty credit towards the replacement hose assemblies.

To obtain this credit:

- Operators must obtain the replacement hose assemblies from an approved BHTI spares supply source.
- Comply with the instructions as outlined within this bulletin.
- Submit to BHTI Warranty Administration a completed Malfunction Report within 30 days after accomplishing this bulletin. A copy of the BHTI invoice referencing the hose assemblies purchased to accomplish this bulletin must be attached to the Malfunction Report.

MATERIAL:

Required Material:

The following material is required for the accomplishment of this bulletin and may be obtained through your Bell Helicopter Textron Supply Center.

Part II -

<u>Part Number</u>	<u>Nomenclature</u>	<u>Quantity</u>
70-072Z000A236	Hose Assembly	1 ea.
70-072Z000D202	Hose Assembly	1 ea.

Part III -

<u>Part Number</u>	<u>Nomenclature</u>	<u>Quantity</u>
70-072V000A166	Hose Assembly	2 ea
70-072W000B124	Hose Assembly	2 ea
70-072W000C216	Hose Assembly	4 ea.
70-072X000C196	Hose Assembly	4 ea.
70-072Y000A124	Hose Assembly	4 ea.
70-072Z000E380	Hose Assembly	2 ea
214-073-934-101	Hose Assembly	2 ea

Consumable Material:

The following material is required to accomplish the bulletin, but may not require ordering, depending on the operators consumable material stock levels. This material may be obtained through your Bell Helicopter Textron Supply Center.

<u>Part Number</u>	<u>Nomenclature</u>	<u>Quantity</u>
4408,1/8X3,Blk	Tape	1 roll
SJ5816 4.5IN WIDE	Tape	1 roll

SPECIAL TOOLS:

None required

WEIGHT AND BALANCE:

Not affected

ELECTRICAL LOAD DATA:

Not affected

REFERENCES:

214ST Maintenance Manual, Chapters 6, 32 and 53
214ST Illustrated Parts Catalog Chapter 32

PUBLICATIONS AFFECTED:

214ST Maintenance Manual, Chapter 4.

ACCOMPLISHMENT INSTRUCTIONS:

Part I: Calendar Life Assignment

A calendar life of 6 years is assigned to the hose assemblies listed below. The calendar life begins on initial installation and runs continuously for 6 years regardless of the number of times the the hoses may be subsequently removed and reinstalled.

1. 70-072V000A166
2. 70-072W000B124
3. 70-072W000C216
4. 70-072X000C196
5. 70-072Y000A124
6. 70-072Z000A236
7. 70-072Z000D202
8. 70-072Z000E380
9. 214-073-934-101

- NOTE -

Hoses noted in Part I which are currently held as spares stock are considered unairworthy and are not to be installed. Spare hoses which were purchased from BHT will be eligible for warranty replacement as noted in the warranty section of this bulletin.

- NOTE -

All hose assemblies removed from service as a result of Parts II and III below, or removed from spares stock, are to be held for disposition by a BHT Customer Support Representative.

Part II: Reservoir Hose Replacement

CAUTION

Prior to performing inflation system maintenance, remove all pressure from the float reservoirs. Refer to the 214ST Maintenance Manual Chapter 32.

1. Gain access to and remove and replace the hose assemblies noted in Figure 1. Refer to 214ST Maintenance Manual Chapters 6, 32 and 53 as necessary for access and removal instructions.

2. Record new hose part numbers, helicopter serial number and installation date on a Historical Record card.
3. Reinstall removed emergency float system components as noted in the 214ST Maintenance Manual Chapter 32.
4. Service the float system reservoirs. Refer to the 214ST Maintenance Manual Chapter 32.

Part III: Float Bag Hose Replacement.

CAUTION

Prior to performing inflation system maintenance, remove all pressure from the float reservoirs. Refer to the 214ST Maintenance Manual Chapter 32.

1. Gain access to and remove and replace the hose assemblies noted in Figures 2 and 3. Refer to 214ST Maintenance Manual Chapters 6, 32 and 53 as necessary for access and removal instructions.
2. Record new hose part numbers, helicopter serial number and installation date on a Historical Record card.
3. Reinstall removed emergency float system components as noted in the 214ST Maintenance Manual Chapter 32.
4. Service the float system reservoirs. Refer to the 214ST Maintenance Manual Chapter 32.

Part IV: Hose Manufacturers

1. Originally two suppliers were qualified by BHT for manufacture of the hose assemblies noted in Figures 1, 2, and 3. Hoses manufactured by one of those suppliers, Preece, Inc., FSCM (Federal Supply Code for Manufacturer) 21392, are no longer approved for use by BHT.
2. Hose part numbers noted in Figures 1, 2, and 3 which were manufactured by Preece, Inc., as determined by the data tag attached to each hose, are to be removed from service in accordance with Parts II and III of this bulletin or six years after initial installation, whichever occurs first. Any hoses that may be in spares stock are considered non-airworthy and are not to be installed.

A





