

ALERT SERVICE BULLETIN

Bell Helicopter **TEXTRON**

A Subsidiary of Textron Inc.

NO. 214-00-62

DATE 06-02-00

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DATE

REV

MODEL AFFECTED: 214B/B-1

SUBJECT: 214-010-185-107 STRAP FITTING ASSEMBLY,
ESTABLISHMENT OF 2500 HOUR
AIRWORTHINESS LIFE

HELICOPTERS AFFECTED: All Model 214B/B-1 Helicopters, S/N 28001 and
Subsequent.

COMPLIANCE: Immediately upon receipt of this Alert Service
Bulletin.

DESCRIPTION:

Fatigue testing by BHT has determined that the P/N 214-010-185-107 main rotor outboard Strap Fitting Assembly is subject to a 2500 hour airworthiness life. This part is not currently listed in Chapter 4 of the 214B Series Maintenance Manual.

This ASB 1) establishes a 2500 hour airworthiness life pending formal revision of the 214B Series Maintenance Manual, Chapter 4, and, 2) provides information to operators about how to determine continued serviceability for P/N 214-010-185-107 Strap Fitting Assemblies which may currently be in service.

APPROVAL:

The engineering design aspects of this bulletin are FAA/DER approved.

MANPOWER:

Approximately 14.0 man-hours are required to complete this bulletin per helicopter if a strap fitting requires replacement. No additional man-hours will be required if accomplished as part of a scheduled tension-torsion strap/pin change.

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Man-hours are based on "hands-on time". Elapsed time to accomplish the required maintenance task may vary due to manpower and facilities available to the operator.

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.

<u>Part Number</u>	<u>Nomenclature</u>	<u>Quantity</u>
214-010-180-001	Packing	2
214-010-180-003	Packing	2
214-010-185-107	Fitting	2
M83248/1-010	Packing	8
M83248/1-030	Packing	8
M832481/1-157	Packing	2
MS21042L4	Nut	4
NAS1523-8Y	Sealing Washer	2

Consumable Material:

The following material is required to accomplish this bulletin, but may not require ordering, depending on the operator's 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>
AS100028	Lockwire	1
MIL-C-16173,GR1 2OZ	Corrosion Prevent. Comp.	1
MIL-L-46152 GR 10W30	Oil	1

SPECIAL TOOLS:

Refer to the Model 214B/B-1 Component Repair and Overhaul Manual, Chapter 65, for any special tool requirements.

WEIGHT AND BALANCE:

Not affected.

ELECTRICAL LOAD DATA:

Not affected

REFERENCES:

BHT-214B-MM-1, Chapter 65
BHT-214B-CR&O-1, Chapter 65
BHT-214B-IPB, Chapter 62

PUBLICATIONS AFFECTED:

BHT-214B-MM-1, Chapter 4.

ACCOMPLISHMENT INSTRUCTIONS:

1. Review helicopter and main rotor hub assembly records to determine if P/N 214-010-185-107 main rotor outboard Strap Fitting Assemblies are installed.
 - a. If P/N 214-010-185-107 Strap Fitting Assemblies **are not installed**, proceed to step 4 of this ASB.
 - b. If P/N 214-010-185-107 Strap Fitting Assemblies **are installed**, review all available records to determine if an airworthiness (retirement) life is being tracked or recorded.
 - 1) If the airworthiness life **is being** recorded and tracked, proceed to step 4 of this ASB.
 - 2) If the airworthiness life **is not being** recorded or tracked, proceed to step 2 of this ASB.
2. From all available records, determine total flight hours accumulated on the P/N 214-010-185-107 Strap Fitting Assemblies since initial installation on the main rotor hub assembly and proceed to step 2a. **If total flight hours can not be determined, proceed to step 3.**
 - a. If total flight hours **are less than 2500 hours**, create an historical record card for each P/N 214-010-185-107 Strap Fitting Assembly and add relevant installation and flight hour data to the main rotor hub assembly component historical card. Proceed to step 4 of this ASB.

- NOTE -

Blank historical record cards are available from BHT Commercial Publications Distribution Center at telephone 817-280-2584 or facsimile at 817-280-6466.

- b. If total flight hours **are equal to or exceed 2500 hours**, proceed to step 3 of this ASB.
3. If total flight hours can not be determined or total flight hours equals to or exceeds 2500 hours for any P/N 214-010-185-107 Strap Fitting Assembly, these fittings must be removed from service immediately. Replace Strap Fitting Assemblies in accordance with 214B Series Maintenance and CR&O Manuals.

- NOTE -

Operator's that have exceeded the life of 2500 hours or who can not determine the strap fitting total time, should contact their local regulatory agency for ferry flight authorization.

4. Pending formal revision to the 214B Maintenance Manual, make a pen and ink entry to Chapter 4 adding P/N 214-010-185-107 Retention Strap Fitting with 2500 hours retirement life under the MAIN ROTOR CONTROL section. Existing notes 3 and 4 in Chapter 4 apply.