



ALERT SERVICE BULLETIN

214ST-13-91

PSL 7000000056

12 December 2013

MODEL AFFECTED: 214ST

SUBJECT: TENSION/TORSION STRAP ASSEMBLY, P/N 214-010-179-003, AIRWORTHINESS LIFE PENALTY FOR SPECIFIC SERIAL NUMBERED ASSEMBLIES.

HELICOPTERS AFFECTED: Serial numbers 28101 through 28200.

COMPLIANCE: Effective upon receipt of this ASB.

DESCRIPTION:

Bell Helicopter has found that, due to improper manufacture, some Tension/Torsion Strap Assemblies, P/N 214-010-179-003, may develop cracks in the urethane protective coating. This condition could result in internal corrosion of the straps.

As a result, this ASB assesses a 300 hour and a 6 month penalty to the existing service life of **specific serial numbered strap assemblies**. Straps which exceed either the hourly or calendar life as a result of this penalty, must be replaced within the next 25 hours or 2 months, as applicable, after receipt of this bulletin. Refer to the Accomplishment Instructions of this bulletin for the specific serial number strap assemblies affected.

Applicability of this bulletin to any spare part shall be determined prior to its installation on a helicopter.

APPROVAL:

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

CONTACT INFO:

For any questions regarding this bulletin, please contact:

Bell Helicopter Product Support Engineering - Medium Military Helicopters
Tel: 817-280-3548 / mts-medium@bh.com

MANPOWER:

Approximately 2.0 man-hours are required to complete the records research requirement of this bulletin. This estimate is based on hands-on time, and may vary with personnel and facilities available.

WARRANTY:

Owners / Operators of Bell Helicopters who comply with the instructions in this Bulletin will be eligible to receive prorated credit for the unused 6 months portion of the strap. If you have a strap affected by this bulletin please contact the warranty department at warranty@bh.com or 817-280-3406.

Bell Helicopter has recently introduced enhancements to the VISTA Portal which allocates specific warranty entitlement for an aircraft by serial number. The Product Service Letter (PSL) number which will be listed below the bulletin number on the introduction page is going to be a required field when submitting a claim for replacement parts, labor, and/or freight. If you receive an ASB or TB that does not have a PSL number, then there is no warranty entitlement for that bulletin.

Credit entitlement: Yes/No \$879.00USD

To receive credit under warranty:

- Comply with the instructions contained in this Bulletin no later than the applicable date in the “compliance section”.
- If there is a PSL number identified in the bulletin you will be required to enter this PSL number which will validate warranty entitlement for the selected aircraft. Please ensure that you use the Bulletin tab on the warranty section in VISTA to file your claim.

NOTE: Customers who fail to comply with the instructions in this Bulletin no later than **18 months from the date of issuance of this bulletin** are not eligible for the special warranty listed above.

MATERIAL:

Required Material:

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

<u>Part Number</u>	<u>Nomenclature</u>	<u>Qty</u>
214-010-179-003	T-T Strap Assembly	AR

Consumable Material:

The following material is required for the strap replacement requirement of 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. Quantities below are for one grip and spindle assembly.

<u>Part Number</u>	<u>Nomenclature</u>	<u>Qty</u>	<u>Reference *</u>
214-010-180-001	Packing	1	
214-010-180-003	Packing	1	
214-010-190-101	Liner	1	
299-947-107 TY3 CL7	Sealant	AR	C-308
AS3209-010	Packing	4	
AS3209-030	Packing	4	
AS3209-157	Packing	1	
AS3209-266	Packing	1	
AS100028	Lockwire	AR	C-405
MIL-C16173 GR1 PT	CPC	AR	C-101
MS24665-132	Pin	2	
MS24665-285	Pin	2	
MS24665-357	Pin	2	
MS24665-360	Pin	1	
-----	Lubricating Oil 10W-30	AR	C-013

* C-XXX numbers refer to the consumables list in BHT-ALL-SPM Standard Practices Manual

SPECIAL TOOLS:

Refer to BHT-214ST-CR&O, Chapter 62.

WEIGHT AND BALANCE:

Not affected

ELECTRICAL LOAD DATA:

Not affected.

REFERENCES:

BHT-214ST-IPB, Illustrated Parts Breakdown
BHT-214ST-MM, Maintenance Manual
BHT-214ST-CR&O, Component Repair and Overhaul Manual

PUBLICATIONS AFFECTED:

None affected.

ACCOMPLISHMENT INSTRUCTIONS:

1. Review records to determine the serial numbers of installed and spare tension-torsion strap assemblies, P/N 214-010-179-003.

-NOTE-

Only the specific serial number strap assemblies listed in the following step are affected by the service life penalty.

2. Strap assembly serial numbers BT-1184 thru BT-2375 and BT-2380 thru 2411 will have their current hourly and calendar service life penalized as follows.
 - a. For strap assemblies noted above, verify the total accumulated hourly and calendar time in service.
 - b. As a penalty, add 300 hours to the current total time and 6 months to the current calendar time. This becomes the new hourly and calendar time for retirement tracking. The 1250 hour or 24 month strap assembly retirement life is not changed.
 - c. As a result of this penalty, **affected** straps which then exceed either 1250 hours or 24 calendar months, must be replaced within the next 25 hours or 2 months, as applicable, after receipt of this bulletin.
3. Make an entry in helicopter historical service records indicating compliance with this Alert Service Bulletin.