

**TECHNICAL BULLETIN**  
**Bell Helicopter** **TEXTRON**

A Subsidiary of Textron Inc.

No. 206-04-181

Date 08-11-04

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DATE
REV

**MODEL AFFECTED:** 206A/B

**SUBJECT:** TAIL ROTOR CONTROLS ANTI-CHAFFING  
PACKING, ADDITION OF,

**HELICOPTERS AFFECTED:** 206A, S/N 004 through 660, and 672 through 715;  
206B, S/N 661 through 671, and 716 through 4574;  
TH67, S/N 5101 through 5299.

[206B, S/N 4575 and TH67 S/N 5300 and subsequent will have the intent of this bulletin completed before delivery.]

**COMPLIANCE:** At Customer's Option

**DESCRIPTION:**

It has been reported that certain parts of the directional control system (crosshead and pitch link) can be affected by chafing. This bulletin is issued to allow the installation of packings between the tail rotor pitch link assemblies and crosshead assembly to prevent chafing damage of affected parts.

**APPROVAL:**

The engineering design aspects of this bulletin are Transport Canada approved.

**MANPOWER:**

Approximately 1.5 man-hours are required to complete this bulletin. Man-hours are based on hands-on time, and may vary with personnel and facilities available.

**MATERIALS:**

**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>
M25988/3-014	Packing	4 (Note 1)
MS24665-153	Cotter pin	2

**Note 1:** Packing M83248/1-014 can be used as an alternate.

**Consumable Material:**

The following material is required to accomplish this bulletin, however this material is considered consumable (bench stock) material and 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>Reference</u>
MIL-C-16173,GR1	Corrosion prev. compound	C-101
MIL-C-16173,GR2	Corrosion prev. compound	C-104

-NOTE-

The C REF. NO. above is a cross-reference to the consumables list found in the Standard Practices Manual.

**SPECIAL TOOLS:**

None required

**WEIGHT AND BALANCE:**

Not affected

**ELECTRICAL LOAD DATA:**

Not affected

**REFERENCES:**

BHT-206A/B-SERIES-MM-7, Revision 2, 7 June 2002.  
Chapter 64, Tail Rotor.


**PUBLICATIONS AFFECTED:**

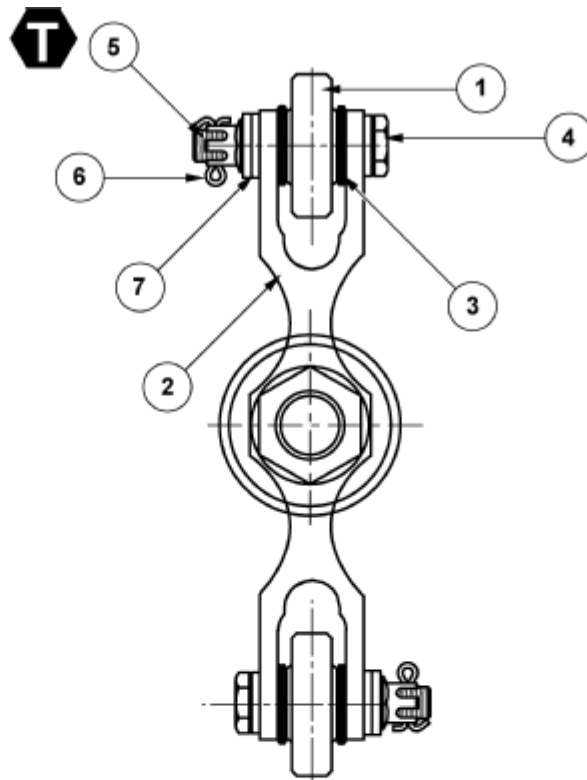
BHT-206A/B-SERIES-MM-7, Revision 2, 7 June 2002.  
Chapter 64, Tail Rotor.

BHT-206A/B-SERIES-IPB, Revision 5, 1 November 2001.  
Chapter 64, Tail Rotor.

**ACCOMPLISHMENT INSTRUCTIONS:**

**Installation of packing to prevent chafing damage to the crosshead assembly.  
Refer to figure 1.**

1. Disconnect tail rotor pitch links (1) from tail rotor crosshead (2).
2. Install one packing M25988/3-014 (3), on each side of the pitch links spherical bearings.
3. Reinstall pitch links (1), washers (7), and bolts (4) on crosshead (2) using C-104 on bolt (4) shank. Do not apply C-104 to threads.
4. Install washers (7), nut (5),  and cotter pin (6).
5. Make an entry in the helicopter historical records to show that this bulletin has been completed.




**LEGEND**

- 1. Pitch link
- 2. Crosshead
- 3. Packing (Qty 4)
- 4. Bolt
- 5. Castle nut
- 6. Cotter pin
- 7. Washer (qty 2)



80 TO 100 IN-LBS

**NOTES**

 (C-104) to bolt shank. Do not apply to threads.

 (C-101) to bolt head, exposed washers, nuts, cotter pins and exposed threads.

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Figure 1. Chaffing protection of the crosshead assembly