

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

A Subsidiary of Textron Inc.

No. 206L-04-214

Date 08-11-04

Page 1 of 5

DATE
REV

**MODEL AFFECTED:** 206L

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

**HELICOPTERS AFFECTED:** Model 206L, S/N 45001 through 45153 and S/N  
46601 through 46617.

Model 206L1 S/N 45154 through 45790.

Model 206L3 S/N 51001 through 51612.

Model 206L4 S/N 52001 through 52281.

[206L4, S/N 52282 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-206L-Maintenance Manual.  
Chapter 65-Tail Rotor.

BHT-206L1-Maintenance Manual.  
Chapter 65-Tail Rotor.

BHT-206L3-SERIES-MM-7 Maintenance Manual.  
Chapter 64-Tail Rotor.

BHT-206L4-SERIES-MM-7 Maintenance Manual.  
Chapter 64-Tail Rotor.

**PUBLICATIONS AFFECTED:**

BHT-206L-Maintenance Manual.  
Chapter 65, Tail Rotor.

BHT-206L1-Maintenance Manual.  
Chapter 65, Tail Rotor.


BHT-206L3-SERIES-MM-7 Maintenance Manual.  
Chapter 64, Tail Rotor.

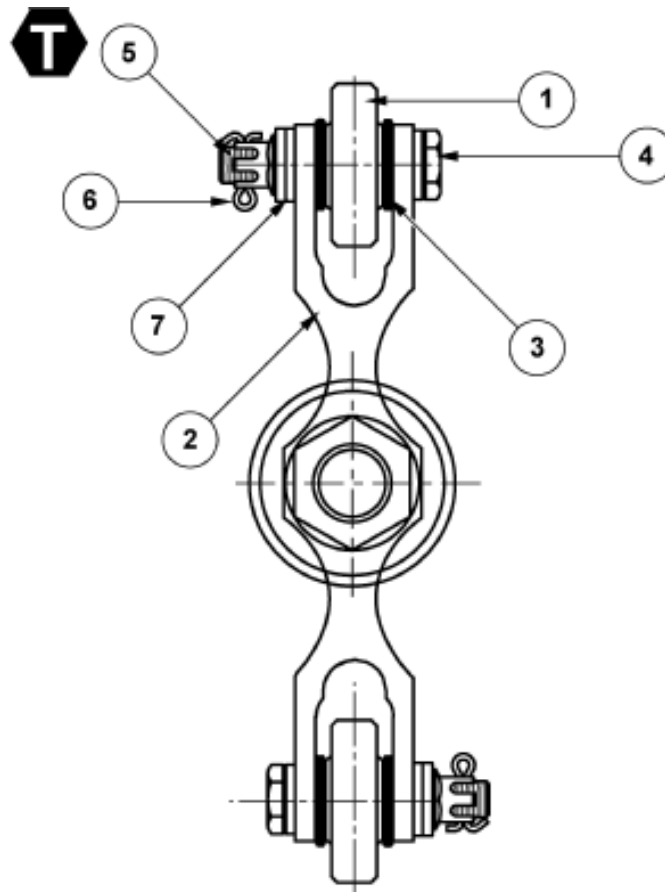
BHT-206L4-SERIES-MM-7 Maintenance Manual.  
Chapter 64, Tail Rotor.

BHT-206L-SERIES-IPB Illustrated Parts Breakdown.  
Chapter 64, Tail Rotor.

**ACCOMPLISHMENT INSTRUCTIONS:**

**Installation of packings 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 shanks of bolts (4). Do not apply C-104 to threads.
4. Install washers (7), nuts  (5), and cotter pins (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. Chafing protection of the crosshead assembly.