

**TECHNICAL BULLETIN**  
**Bell Helicopter** **TEXTRON**  
A Subsidiary of Textron Inc.

**NO** 206-99-169

**DATE** 10-01-99

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<b>DATE</b>
<b>REV.</b>

**MODELS AFFECTED:** 206 A/B Series

**SUBJECT:** **NEW SWASHPLATE SEAL 206-310-400-101, INTRODUCTION OF.**

**HELICOPTERS AFFECTED:** 206A, S/N 004 through 660, and 672 through 715.

206B, S/N 661 through 671, 716 through 4523 and S/N 5101 through 5267.

[206B, S/N 4524 and subsequent, and 5268 and subsequent, will have the intent of this Bulletin completed before delivery.]

**SWASHPLATE AND SUPPORT ASSEMBLIES AFFECTED:** The following swashplate and support assemblies are affected by this bulletin:

<u>SWASHPLATE AND SUPP.ASSY. P/N</u>	<u>PROD. EFFECTIVITY</u>
206-010-450-001	206A 0004 through 0413
206-010-450-005	206A 0414 through 0660 0672 through 0715
206-010-450-005	206B 0661 through 0671 0716 through 1336
206-010-450-007	206B 1337 through 1937
206-010-450-011	206B 1938 through 3566
206-010-450-113	206B 3567 through 4523
206-010-450-113	206B 5101 through sub.

**COMPLIANCE:**

At the option of the operator. However it is recommended that this Bulletin be accomplished whenever the swashplate and support assembly is overhauled.

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**DESCRIPTION:**

Bell Helicopter has received reports from the field concerning the reliability of the swashplate and support assembly seal. This Technical Bulletin introduces a new seal, 206-310-400-101, with improved performance. This new seal has a larger inner diameter and is made of a different material. It is a direct replacement for the old seal, 206-010-460-001, and is designed to decrease wear of the inner ring and inner cap of the swashplate.

**APPROVAL:**

The engineering design aspects of this Technical Bulletin are Transport Canada approved.

**MANPOWER:**

No additional man-hours are required to install the new seal type at the next swashplate overhaul.

**MATERIAL:**

**Required Material:**

The material that follows is necessary to do this bulletin and can be obtained through your Bell Helicopter Textron Supply Center.

<u>PART NUMBER</u>	<u>NOMENCLATURE</u>	<u>QUANTITY</u>
206-310-400-101	Seal	2 (NOTE 1)

**NOTE:**

1. Three seals 206-310-400-101 are necessary if T.B. 206-77-8 is not done on the swashplate and support assembly 206-010-450-001, -005 and -009.

**Consumable Material:**

The material that follows is necessary to do this bulletin; however, this material is considered consumable (bench stock) material and possibly does not require ordering, depending on the operators' consumable material stock levels. This material can be obtained through your Bell Helicopter Textron Supply Center.

<u>PART NUMBER</u>	<u>NOMENCLATURE</u>	<u>REF. NO.</u>
MILS8802CLB2 6OZ	ADHESIVE	C-308

- NOTE -

The "C" REF. NO. Above is a cross-reference to the consumable list found in the Standard Practices Manual.

**SPECIAL TOOLS:**

None.

**WEIGHT AND BALANCE:**

Not affected.

**ELECTRICAL LOAD DATA:**

Not affected.

**REFERENCES:**

BHT-206A/B-M&O-1, 1 June 1974, Rev. 36, 31 July 1984 and Rev. 12, 03 December 1977

Section IV, Overhaul, Part I.

BHT-206B3-CR&O, 15 September 1993

Chapter 62, Main Rotor.

**PUBLICATIONS AFFECTED:**

BHT-206A/B-M&O-1, 1 June 1974, Rev. 36, 31 July 1984 and Rev. 12, 03 December 1977

Section IV, Overhaul, Part I.

BHT-206B3-CR&O, 15 September 1993

Chapter 62, Main Rotor.

BHT-206A/B-SERIES-IPB, 1 May 1996

Chapter 62, Main Rotor.

### **ACCOMPLISHMENT INSTRUCTIONS:**

#### **Seal - Removal and Installation**

- For 206A and 206B S/N 004 through 2211, refer to BHT-206A/B-M&O-1, Section IV, Overhaul, Part I.
- For 206B S/N 2212 and subsequent, and 5101 and subsequent, refer to the BHT-206B3-CR&O, Chapter 62.

- NOTE -

When you install the new seal, 206-310-400-101, you can use adhesive MILS8802CLB2, (C-308) on the outer diameter of the seal as an alternative to adhesive 299-947-107TY2CL5, (C-325).

1. Make an entry in the helicopter Historical Records (HR) to show that you have completed this bulletin.
2. Make an entry in the Record of Technical Bulletins in the Maintenance Manual and the Illustrated Parts Breakdown to show that you have done this bulletin.