

TECHNICAL BULLETIN

Bell Helicopter **TEXTRON**

A Subsidiary of Textron Inc.

NO 206L-99-198

DATE 10-01-99

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DATE
REV.

MODELS AFFECTED: 206L Series

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

HELICOPTERS AFFECTED: 206L, S/N 45001 through 45153, and 46601 through 46617.
 206L1, S/N 45154 through 45790.
 206L3, S/N 51001 through 51612.
 206L4, S/N 52001 through 52226.

Model 206L4 S/N 52227 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>
206-010-450-007	206L 45001 through 45026
206-010-450-011	206L 45027 through 45153 46601 through 46617
206-010-450-011	206L1 45154 through 45790
206-010-450-113	206L3 51001 through 51307
206-010-450-117	206L3 51308 through 51515
206-010-450-119	206L3 51516 through 51612
206-010-450-121	206L4 52001
206-010-450-101	206L4 52002 through 52226

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 the bulletin are Transport Canada approved.

MANPOWER:

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

MATERIAL:

Required Material:

<u>PART NUMBER</u>	<u>NOMENCLATURE</u>	<u>QUANTITY</u>
206-310-400-101	SEAL	2

Consumable Material:

The material that follows is necessary to complete this bulletin. However, this material is consumable (bench stock) material and does not require ordering depending on the operator's consumable material stock levels. This material can be obtained through your Bell Helicopter Textron Supply Center.

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

- NOTE -

The "C" REFERENCE NO. above is a cross reference to the consumable list found in the Standard Practice Manual.

WEIGHT AND BALANCE:

Not affected.

ELECTRICAL LOAD DATA:

Not affected.

REFERENCES:

BHT-206L-CR&O, 18 June 1993:

Chapter 62, Main Rotor.

PUBLICATIONS AFFECTED:

BHT-206L-CR&O, 18 June 1993:

Chapter 62, Main Rotor.

BHT-206L-Series-IPB, 1 December 1996, Rev. 1, 2 February 1998:

Chapter 62, Main Rotor.

ACCOMPLISHMENT INSTRUCTIONS:

Seal – Removal and Installation

- For the removal and installation of the seal, refer to BHT-206L-CR&O, Chapter 62, Main Rotor.

- 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 Record (HR) to show that this Technical Bulletin is completed.
2. Make an entry in the record of Technical Bulletins in the Maintenance Manual.