

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

**NO** 206-00-174

**DATE** 12-22-00

**PAGE NO.** 1 of 2

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

**MODELS AFFECTED:** 206A AND 206B

**SUBJECT:** TAIL ROTOR GEARBOX DUPLEX BEARING  
206-040-410-103, INTRODUCTION OF.

**HELICOPTERS AFFECTED:** Model 206A Serial Number 004 through 660  
Serial Number 672 through 715

Model 206B Serial Number 661 through 671  
Serial Number 716 through 4004

**COMPLIANCE:** At the option of the customer.

**DESCRIPTION:**

This bulletin introduces a new duplex bearing 206-040-410-103 to replace the duplex bearing, 206-040-410-001. This new bearing is to be installed in tail rotor gearbox 206-040-400-ALL.

Duplex bearing P/N 206-040-410-103 has a silver plated steel retainer in place of the existing Nylatron retainer used in bearing P/N 206-040-410-001.

Bell Helicopter Textron and bearing supplier have determined that over time the existing Nylatron retainer may distort. Distortion can cause binding and result in bearing distress.

The bearing P/N 206-040-410-103 does not have an airworthiness life limitation and is a direct replacement to duplex bearing 206-040-410-001.

**APPROVAL:**

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

**MANPOWER:**

Accomplishing of this bulletin during normal overhaul will not require additional man hours.

7851 60540

**MATERIAL:**

**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>
206-040-410-103	Duplex bearing	1

**SPECIAL TOOLS:**

None required.

**WEIGHT AND BALANCE:**

Not affected.

**ELECTRICAL LOAD DATA:**

Not affected.

**REFERENCES:**

- BHT-206A/B-M&O-1, 21 November 1995.  
Section VI, Power Train Systems.
- BHT-206B3-CR&O-1, 22 August 1994.  
Chapter 65, Tail Rotor Drive System.
- BHT-206A/B-SERIES-IPB, Rev. 3, 12 February 1999.  
Chapter 65, Tail Rotor Drive System.

**PUBLICATIONS AFFECTED:**

- BHT-206A/B-SERIES-IPB, Revision 3, 12 February 1999.

**ACCOMPLISHMENT INSTRUCTIONS:**

1. To remove and install duplex bearing 206-040-410-103, refer to the applicable manual (BHT-206A/B-M&O-1, Section IV, Power Train Systems) (BHT-206B3-CR&O, Chapter 65).
2. Make an entry in the component Historical Record (HR) to show that you have completed this bulletin.