

TECHNICAL BULLETIN

Bell Helicopter **TEXTRON**

A Subsidiary of Textron Inc.

No. 427-02-04

Date May 16, 2002

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DATE
REV

MODEL AFFECTED: 427

SUBJECT: INTRODUCTION OF NEW HARDENED WEAR SLEEVE P/N 427-044-123-101.

HELICOPTERS AFFECTED: Model 427 helicopters serial number 56001 through 56040 serial number 58001 through 58002.

[Model 427 helicopters serial numbers 56041 and subsequent and 58003 and subsequent will have the intent of this bulletin accomplished prior to delivery.]

COMPLIANCE: At Customer's Option. Recommended at next scheduled component inspection of driveshaft assembly P/N 427-044-100-103.

DESCRIPTION:

Field reports indicate that the wear sleeves P/N 427-044-117-101 installed on forward tail rotor driveshaft assembly P/N 427-044-100-103 tends to exhibit a premature wear groove.

This bulletin introduces an improved, hardened wear sleeve.

APPROVAL:

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

AN APPROPRIATE ENTRY SHOULD BE MADE IN THE AIRCRAFT LOGBOOK UPON ACCOMPLISHMENT
IF OWNERSHIP OF AIRCRAFT HAS CHANGED PLEASE FORWARD TO NEW OWNER

T.B. 427-02-04**Page 2 of 4****MANPOWER:**

Approximately 2.0 additional man-hours are required to complete this bulletin when accomplished in conjunction with a scheduled driveshaft inspection. 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.

-NOTE-

Parts listed below are in addition to those required for a regular scheduled component inspection of the driveshaft assembly P/N 427-044-100-103.

<u>Part Number</u>	<u>Nomenclature</u>	<u>Quantity</u>
427-044-123-101	Sleeve	2
M83248/1-130	Packing	2

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>Quantity</u>	<u>Reference</u>
204-040-755-005	Lubricant	As required	C-015

SPECIAL TOOLS:

None required

WEIGHT AND BALANCE:

Not applicable

ELECTRICAL LOAD DATA:

Not affected

REFERENCES:

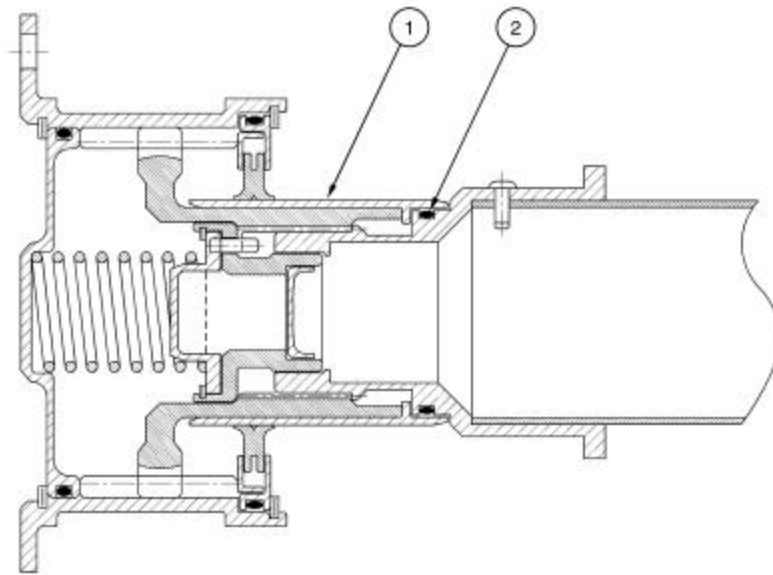
BHT-427 -IPB Illustrated Parts Breakdown
BHT-427-MM Maintenance Manual

PUBLICATIONS AFFECTED:

BHT-427 -IPB Illustrated Parts Breakdown

ACCOMPLISHMENT INSTRUCTIONS:

1. Remove forward driveshaft P/N 427-044-100-103 from aircraft per BHT-427-MM Chapter 65.
2. Disassemble driveshaft per BHT-427-MM Chapter 65.
3. Remove and discard wear sleeves P/N 427-044-117-101 and packing P/N M83248/1-130. (Refer to figure 1).
4. Reassemble driveshaft per BHT-427-MM Chapter 65 using new wear sleeves P/N 427-044-123-101.
5. Re-identify driveshaft data plate and historical service record from P/N 427-044-100-103 to P/N 427-044-100-103-105FM.
6. Install forward driveshaft P/N 427-044-100-105FM in the aircraft per BHT-427-MM Chapter 65.
7. Annotate records to reflect compliance with this bulletin.



LEGEND

- 1. Wear sleeve (427-044-123-101) (new improved)
- 2. Packing (M83248/1-130)

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FIGURE 1. FORWARD TAIL ROTOR DRIVESHAFT