

TECHNICAL BULLETIN

Bell Helicopter **TEXTRON**

A Subsidiary of Textron Inc.

NO 206-99-166

DATE 05-17-99

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DATE
REV.

MODELS AFFECTED: 206A/B Series

SUBJECT: **TRANSMISSION INPUT ADAPTOR
MODIFICATION AND PACKING A9854.16347,
INTRODUCTION OF.**

HELICOPTERS AFFECTED: 206A, Serial Numbers 004 through 660, and 672 through 715.
206B Serial Numbers 661 through 671, and 716 through subsequent.

COMPLIANCE: At the option of the customer.

DESCRIPTION:

Bell Helicopter has received a number of reports from the fleet concerning oil leaks at the transmission input adapter. This Technical Bulletin introduces a new packing, A9854.16347, that replaces L1523 and L-1523 series packings. This bulletin gives instructions to modify the input adapter 206-040-048. This will make it easier to install the new packing.

APPROVAL:

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

MANPOWER:

No additional manpower is required when you accomplish this bulletin during the overhaul or replacement of the transmission input seal.

MATERIAL:

Required Material:

<u>PART NUMBER</u>	<u>NOMENCLATURE</u>	<u>QUANTITY</u>
A9854.16347	PACKING	1

7851 60540

Consumable Material:

<u>PART NUMBER</u>	<u>NOMENCLATURE</u>	<u>REF. NO.</u>
#1FLUID40Z	ULTRACHEM	C-024

SPECIAL TOOLS:

No other tools are required. Refer to the applicable overhaul manual.

WEIGHT AND BALANCE:

Not affected.

ELECTRICAL LOAD DATA:

Not affected.

REFERENCES:

BHT-206A/B Series Maintenance Manual, Original Issue, 07 January 1997.

Chapter 53, Fuselage.

Chapter 63, Main Driveshaft.

BHT-206A/B Maintenance and Overhaul Manual, Rev. 41, 21 November 1995.

Section VI, Main Input Pinion and Bearings.

BHT-206B3-CR&O, Rev.1, 22 August 1993.

Chapter 63, Main Rotor Drive System.

BHT-206A/B-IPB, Rev. 1, 31 January 1997.

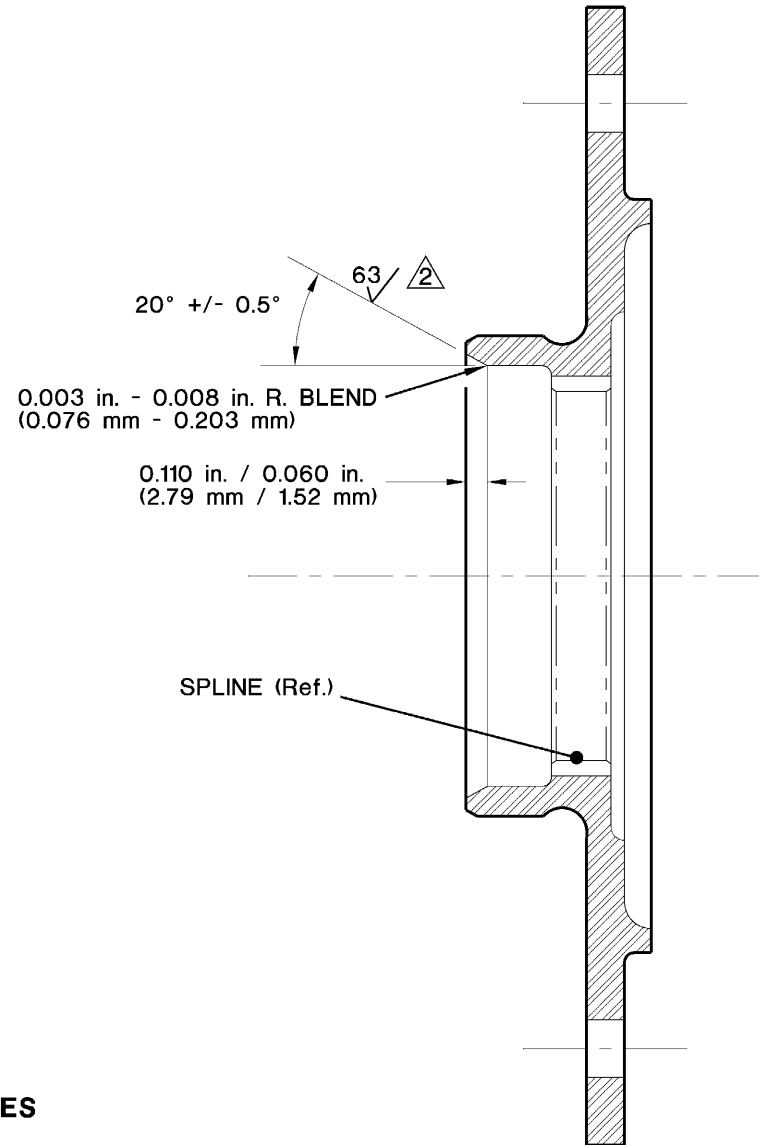
Chapter 63, Main Rotor Drive System.

PUBLICATIONS AFFECTED:

BHT-206A/B-IPB, Rev. 1, 31 January 1997.

ACCOMPLISHMENT INSTRUCTIONS:

1. Prepared the helicopter for maintenance.
2. Remove the applicable cowling to get access to the main driveshaft (Maintenance Manual, Chapter 53).
3. Remove the main driveshaft (Maintenance Manual, Chapter 63).
4. Drain the transmission oil (Maintenance Manual, Chapter 12).
5. Remove the input adapter and the magnetic seal housing (CR&O, Chapter 63).
6. Make the change to the input adapter as shown in Figure 1.
7. Lubricate packing A9854.16347 with Fluid #1 (C-024).
8. Install packing A9854.16347 to replace L1523-1487, L-1523-1487, or L-1523A.
9. Install the changed input adapter and the magnetic seal housing (CR&O, Chapter 63).
10. Fill the transmission with oil (Maintenance Manual, Chapter 12).
11. Install the main driveshaft (Maintenance Manual, Chapter 63).
12. Install the cowling you removed in Step 2 (Maintenance Manual, Chapter 53).
13. Make an entry in the helicopter historical record to show that this Technical Bulletin is completed.
14. Make an entry in the Record of Technical Bulletins on the Maintenance Manual.



NOTES

1. Break all sharp edges.
2. Surface finish to be 63 μ in. (1.6 μ m) RMS.
3. Applicable to couplings: 206-040-048-001
206-040-048-003
206-040-048-101
4. Positional run-out 0.010 IN. (0.254 mm) max.

Figure 1. Input Adapter Modification