

TECHNICAL BULLETIN
Bell Helicopter **TEXTRON**

A Subsidiary of Textron Inc.

No. 206-02-178

Date Dec. 06, 02

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DATE
REV

MODEL AFFECTED: 206A/B

SUBJECT: TRANSMISSION INPUT PINION STOPPER 14-141K, INTRODUCTION OF.

HELICOPTERS AFFECTED: 206A, S/N 004 through 660, and 672 through 715; 206B, S/N 661 through 671, and 716 through 4564; TH67, S/N 5101 through 5284.

206B, serial number 4565 and subsequent, and TH67, serial number 5285 and subsequent will have the intent of this bulletin accomplished prior to delivery.

COMPLIANCE: At Customer's Option

DESCRIPTION:

This Technical Bulletin introduces a stopper 14-141K to replace the existing cork plug used in the transmission input pinions 206-040-020-003/-009/-103/ and-105. The stopper 14-141K is a rubber plug and will improve the sealing of the input pinion cavity.

APPROVAL:

The engineering aspects of this bulletin are Transport Canada approved.

MANPOWER:

No additional manpower is required when you do this bulletin during overhaul.

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.

<u>Part Number</u>	<u>Nomenclature</u>	<u>Quantity</u>
14-141K	STOPPER	1

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 operator's 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>
MILS8784CLB2,3.5OZ	SEALANT	1	C-328
471,YEL,.75 WIDE	TAPE	1	(NOTE 1)

NOTE:

1. Equivalent plastic tape may be used as an alternate.

SPECIAL TOOLS:

None required

ELECTRICAL LOAD DATA:

Not affected

REFERENCES:

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

Section VI.

BHT-206B3-CR&O, Revision 1, 22 August 1994.

Chapter 63, Main rotor drive system.

PUBLICATIONS AFFECTED:

BHT-206A/B-IPB, Revision 1, 22 August 1994.

Chapter 63, Main rotor drive.

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

Section VI.

BHT-206B3-CR&O, Revision 1, 22 August 1994.

Chapter 63, Main rotor drive system.

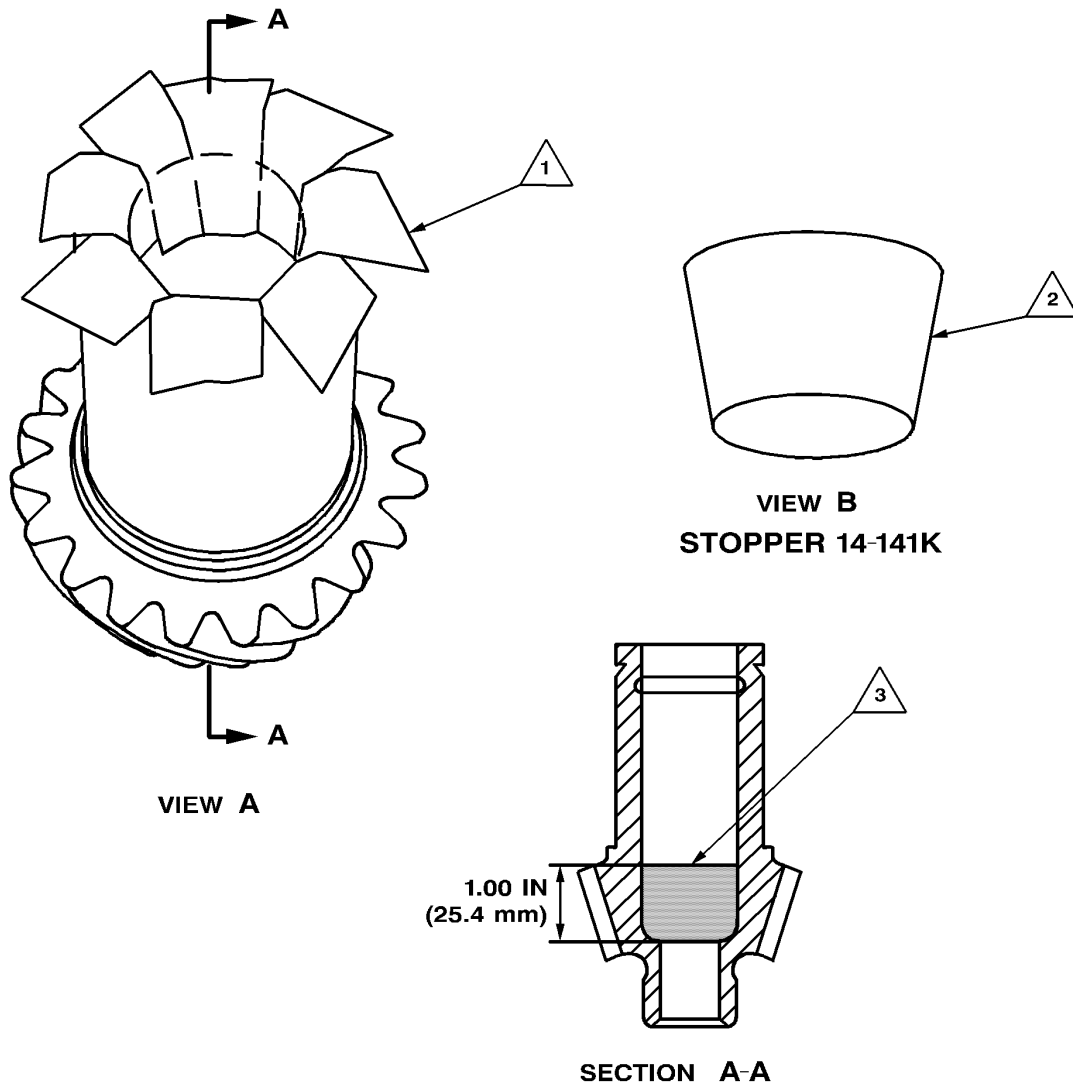
ACCOMPLISHMENT INSTRUCTIONS:

INSTALLATION INSTRUCTIONS:

1. Remove cork plug (206B3-CR&O, Chapter 63 or BHT-206A/B-M&O Manual, Section VI).
2. Prepare workaid (# 1, Figure 4).
3. Cover the transmission input pinion with tape 471,YEL,.75 WIDE (View A, Figure 1).
4. Apply sealant (C-328) to the Stopper (View B) and the transmission input pinion (View C).
5. Use workaid # 1 to press the stopper (2, Figure 2) into input pinion (1).
6. For configuration purpose with this stopper installed, once this Technical Bulletin is completed the input pinion 206-040-020-105 is equivalent to a 206-040-020-109.

REMOVAL INSTRUCTIONS:

1. Prepare workaids (# 2 and 3, Figure 4).
2. Use workaids # 2 and 3 to remove the stopper from the input pinion (Figure 3). Discard removed stopper.

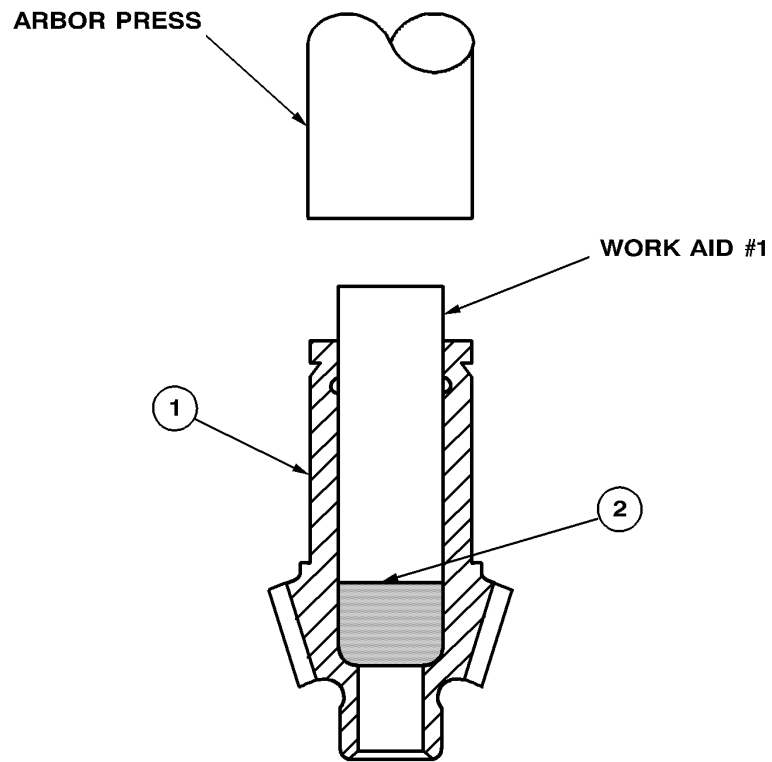


NOTES

- ① Cover with strips of tape beyond the machined groove.
- ② Apply sealant (C-328) to the tapered surface of the stopper 14-141K.
- ③ Apply sealant (C-328) to the shaded area of the transmission input pinion.

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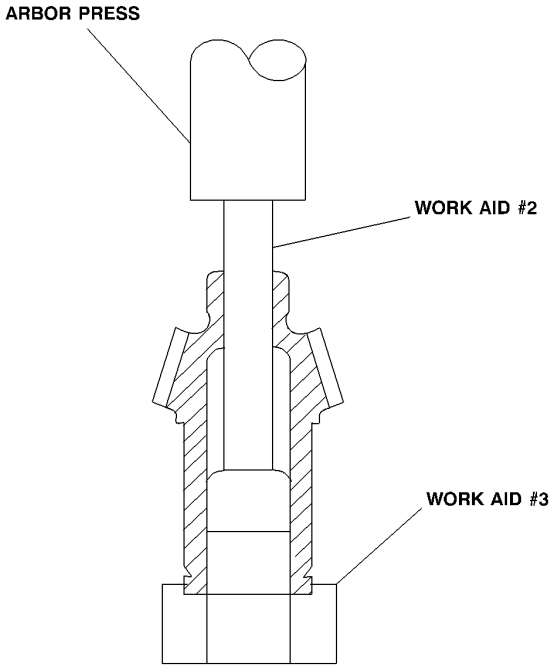
Figure 1. Installation Preparations



LEGEND

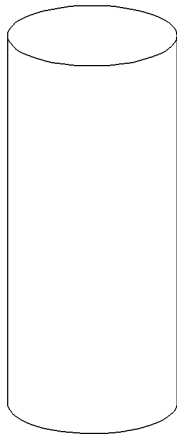
- 1. Transmission input pinion (206-040-020-003/-009/-103/-105)
- 2. Stopper (14-141K)

Figure 2. Stopper installation instructions



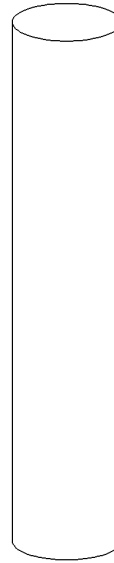
STOPPER REMOVAL

Figure 3. Stopper removal instructions



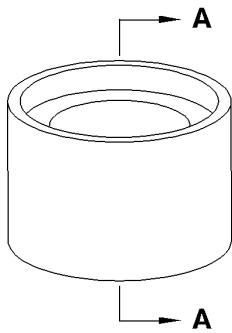
**WORKAID
(ITEM #1)**

**MATERIAL: ALUMINUM
O.D.: 1.485 IN (37.72 mm)
LENGTH: 4.00 IN (101.6 mm)**



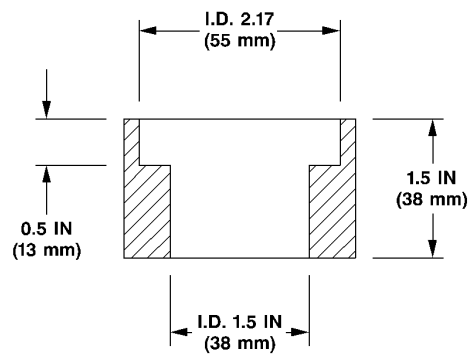
**WORKAID
(ITEM #2)**

**MATERIAL: ALUMINUM
O.D.: 0.860 IN (22 mm)
LENGTH: 6.10 IN (155 mm)**



**WORKAID
(ITEM #3)**

**MATERIAL: ALUMINUM
O.D.: 2.5 IN (63 mm)**



SECTION A-A

Figure 4. Workaids