

TECHNICAL BULLETIN
Bell Helicopter **TEXTRON**

A Subsidiary of Textron Inc.

No. 206L-04-213

Date June 2, 2004

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DATE
REV

MODEL AFFECTED: 206L SERIES

SUBJECT: TRANSMISSION ASSEMBLIES 206-040-004-107 AND /-115 INTERIM INSPECTION INTERVAL, EXTENSION OF.

HELICOPTERS AFFECTED: All Model 206L series helicopters

COMPONENT AFFECTED: Transmission assembly 206-040-004-107 installed on Model 206L, L1, and L3;
Transmission assembly 206-040-004-115 installed on Model 206L4

COMPLIANCE: Immediately upon receipt of this bulletin, for transmission that have been operated with DOD-L-85734 oil since new or since the last overhaul, the interim inspection is changed to 2250 hours of operation, but not to exceed 60 months. This inspection may be extended to 2400 hours or 63 months to facilitate maintenance scheduling.

DESCRIPTION:

Bell Helicopter has conducted technical evaluations of transmissions 206-040-004-107 and -115 operated in the field. In light of the favorable results observed in the course of these evaluations an increase to the interim inspection is justified. Please note that this increase is accompanied by the assignment of the calendar requirement. This change applies only to transmissions currently operating with oil per DOD-L-85734. There is no change to the overhaul period that is currently set at 4500 hours.

Effective immediately the interim inspection interval is changed to 2250 hours of component operation or 60 months, whichever comes first.

APPROVAL:

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

MANPOWER:

No additional manpower is required when accomplishing this Bulletin during interim inspection.

MATERIALS:

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>Reference</u>
LUBRICANT	DOD-L-85734	

SPECIAL TOOLS:

None required

WEIGHT AND BALANCE:

Not affected

ELECTRICAL LOAD DATA:

Not affected

REFERENCES:

BHT-206L-MM, Rev. 20, 22 December 2003.

Chapter 5, Inspection.

Chapter 66, Power Train.

BHT-206L1-MM, Rev. 25, 22 December 2003.

Chapter 5, Inspection.

Chapter 66, Power Train.

BHT-206L3-MM, Rev. 5, 22 December 2003.

Chapter 5, Inspections and component overhaul schedule.

Chapter 63, Main Rotor Drive System.

BHT-206L4-MM, Rev. 4, 22 December 2003.

Chapter 5, Inspections and component overhaul schedule.

Chapter 63, Main Rotor Drive System.

BHT-206L-CR&O, Reissue 0, 18 June 1993.

Chapter 63, Main Rotor Drive System.

PUBLICATIONS AFFECTED:

BHT-206L-MM, Rev. 20, 22 December 2003.

Chapter 5, Inspection.

Chapter 66, Power Train.

BHT-206L1-MM, Rev. 25, 22 December 2003.

Chapter 5, Inspection.

Chapter 66, Power Train.

BHT-206L3-MM, Rev. 5, 22 December 2003.

Chapter 5, Inspections and component overhaul schedule.

Chapter 63, Main Rotor Drive System.

BHT-206L4-MM, Rev. 4, 22 December 2003.

Chapter 5, Inspections and component overhaul schedule.

Chapter 63, Main Rotor Drive System.

ACCOMPLISHMENT INSTRUCTIONS:

-NOTE-

This bulletin applies only to transmissions that have been operating with oil per DOD-L-85734 since new or since last overhaul.

1. If installed on the aircraft, remove the transmission assembly (BHT-206L-MM, Chapter 66) (BHT-206L1-MM, Chapter 66) (BHT-206L3-MM-7, Chapter 65) (BHT-206L4-MM-7, Chapter 65).
2. Remove mast and swashplate assembly from the transmission assembly (BHT-206L-MM, Chapter 66) (BHT-206L1-MM, Chapter 66) (BHT-206L3-MM-7, Chapter 65) (BHT-206L4-MM-7, Chapter 65).
3. Inspect oil filter for debris and metal contamination.
4. Remove the transmission top case, the planetary assembly and the sun gear (BHT-206L-CR&O).
5. Examine all removed components for condition (BHT-206L-CR&O).
6. Insert a mirror between the spiral bevel gear edge and the lower case and use a bright light to examine the spiral bevel and input pinion gears and surrounding areas for condition.
7. Reassemble the transmission (BHT-206L-CR&O).
8. Apply sealant, primer, and paint to the required areas.
9. Make an entry in the Historical Records, stating this Bulletin has been completed.

Filename: TB 206L-04-213
Directory: M:\DEPT3D\HOME\Bulletin SOP\Technical Bulletins
(TB)\Released Technical Bulletin's\Model 206L
Template: C:\My Documents\TECH BULL TEMP.dot
Title: TECHNICAL BULLETIN xxx-xx-xxx
Subject:
Author: Bell Helicopter Textron NAL
Keywords:
Comments:
Creation Date: 6/7/2004 1:51 PM
Change Number: 2
Last Saved On: 6/7/2004 1:51 PM
Last Saved By: Bell Helicopter
Total Editing Time: 1 Minute
Last Printed On: 6/7/2004 1:51 PM
As of Last Complete Printing
Number of Pages: 4
Number of Words: 612 (approx.)
Number of Characters: 3,489 (approx.)