MODEL AFFECTED: **222U**

SUBJECT: **DISC ASSEMBLY P/N 36300-1 AND 37855-1 INSPECTION OF.**

HELICOPTERS AFFECTED: Model 222U helicopters serial number 47501 through 47574.

COMPLIANCE:

PART I: For Disc Assembly in spares stock, immediately after receipt of this bulletin.

PART II: For Disc Assembly installed on helicopter, within the next 25 hours after receipt of this bulletin or next scheduled inspection or progressive inspection event whichever comes first

DESCRIPTION:

Bell Helicopter has determined that some Disc Assemblies P/N 36300-1 and 37855-1 may have an insufficient amount of discs to meet the minimum assembly thickness or may have been indexed incorrectly.

These potentially discrepant Disc Assemblies were manufactured November 01, 2005 through November 30, 2006 and were delivered from BHT spares since November 01, 2005.

This bulletin requires an inspection of the suspected Disc Assembly for thickness and for proper indexing whether installed on helicopter or as spare stock.

APPROVAL:

The engineering design aspects of this bulletin are Transport Canada Civil Aviation (TCCA) approved.

MANPOWER:

Approximately 2.5 man-hours are required to complete this bulletin. Man-hours are based on hands-on time, and may vary with personnel and facilities available.

WARRANTY:

Owners / Operators of Bell Helicopters who comply with the accomplishment instructions in this Bulletin will be eligible to receive a credit for the replacement parts outlined under the required material section. No labor applies to this bulletin.

To receive this credit:

- Purchase the required parts from a BHT supply source.
- Comply with the instructions contained in this Bulletin no later than the applicable hours listed in the “compliance section” of this ASB, but no later than March 31, 2008.
- Submit an MMIR to the Bell Warranty Department for the replacement parts.

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.

Part Number	Nomenclature	Quantity
36300-1	Disc Assembly	As Required
37855-1	Disc Assembly	As Required

SPECIAL TOOLS:

None required

WEIGHT AND BALANCE:

Not affected

ELECTRICAL LOAD DATA:

Not affected

REFERENCES:

BHT-222U-MM-7, Chapter 65, Tail Rotor Drive

PUBLICATIONS AFFECTED:

None affected

ACCOMPLISHMENT INSTRUCTIONS:

PART I: For disc assembly in spares stock

-NOTE-

Refer to inspection criteria's in Part II for spare disc assembly which were previously installed and operated on a helicopter.

1. Verify manufacturing date stamped on the disc assembly P/N 36300-1 and/or 37855-1. If the date ink stamped on disc is November 01, 2005 through November 30, 2006 proceed to step 2. If manufacturing date is not from November 01, 2005 through November 30, 2006 the disc assembly is not affected.

2. Measure the affected disc assembly for thickness. Refer to BHT-222U-MM-7, Chapter 65 and table 1 of this bulletin.

   - If the total measured thickness is below the minimum or above the maximum dimension provided in table 1. Adjust the thickness within the dimensions provided in table 1 by removing or adding a new disc. Refer to BHT-222U-MM-7, Chapter 65.
   - If the total measured thickness is within the dimensions provided in table 1 proceed with step 3.

3. Inspect affected spare Disc Assembly for proper indexing with a 10X magnifying glass. Refer to BHT-222U-MM-7, Chapter 65.

- If the indexing is correct, attach a serviceable tag to Disc Assemblies and write, “THIS DISC ASSEMBLY COMPLIES WITH ASB 222U-07-76”.
- If the indexing is not correct, properly re-index. Refer to BHT-222U-MM-7, Chapter 65. Attach a serviceable tag to Disc Assemblies and write, “THIS DISC ASSEMBLY COMPLIES WITH ASB 222U-07-76”.

PART II: Disc assembly installed on Helicopter

NOTE-

Part II of this bulletin can be accomplished with the Disc Assembly installed on the helicopter.

1. Review helicopter records to determine if a disc assembly P/N 36300-1 and/or 37855-1 has been replaced since November 01, 2005. If a Disc Assembly has been replaced, proceed with step 2. If no Disc Assembly has been replaced since November 01, 2005, proceed with step 7.

2. Gain access to affected Disc Assembly.

3. Verify manufacturing date stamped on the Disc Assembly.

   - If date ink stamped on disc is November 01, 2005 through November 30, 2006 proceed to step 4.
   - If manufacturing date is not November 01, 2005 through November 30, 2006, proceed to step 7.

4. Inspect the two outside discs for cracks or fretting in the area adjacent to the fastening hardware.

   - If a disc is found with a crack or fretting, immediately replace with a serviceable Disc Assembly. Discard discrepant Disc Assembly.
   - If there is no crack or fretting found, proceed with step 5.

5. Measure the affected Disc Assembly for thickness. Refer to BHT-222U-MM-7, Chapter 65.

-NOTE-

The measurement should be taken as close as possible to the fastening hardware.

- If the total measured thickness is below the minimum or above the maximum dimension provided in table 1. Replace and discard Disc Assembly within the next 10 hours of service.
- If the total measured thickness is within the dimensions provided in the in table 1 proceed with step 6.

6. Inspect the affected disc assembly for proper indexing with a 10X magnifying glass. Refer to BHT-222U-MM-7, Chapter 65.

CAUTION

INSTALLED DISC ASSEMBLY WITH INCORRECT INDEXING IS NOT TO BE RE-INDEXED.

- If the indexing is not correct, replace within the next 300 hours of service or next scheduled inspection, whichever comes first. Proceed with step 7.
- If the indexing is correct, proceed with step 7.

7. Make log book entries to show compliance with this bulletin has been accomplished.

Disc Assembly Part Number	Total Thickness	
	Minimum	**Maximum**
36300-1	0.174 inch (4.42 mm)	0.186 inch (4.75 mm)
37855-1	0.126 inch (3.2 mm)	0.138 inch (3.5 mm)

Table 1