

ALERT SERVICE BULLETIN

REVISION NOTICE

Bell Helicopter **TEXTRON**

A Subsidiary of Textron Inc.

DATE FEB 16, 2006

TO: **All Owners/Operators of Bell 222 and 222B Helicopters**

SUBJECT: **REVISION C TO ALERT SERVICE BULLETIN 222-04-99: TAIL ROTOR
COUNTERWEIGHT BELLCRANK P/N 222-012-727-003, REMOVAL FROM SERVICE**

Revision "C" to this bulletin is issued to correct the P/N for the bearing set which should have read 222-312-718-001 and to extend compliance date from March 31, 2006 to December 31, 2006.

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

ALERT SERVICE BULLETIN
Bell Helicopter **TEXTRON**

A Subsidiary of Textron Inc.

NO. 222-04-99

DATE 08-09-04

PAGE 1 of 3

DATE FEB 16, 2006

REV C

MODEL AFFECTED: 222 and 222B

SUBJECT: TAIL ROTOR COUNTERWEIGHT BELLCRANK
P/N 222-012-727-003, REMOVAL FROM SERVICE

HELICOPTERS AFFECTED: Model 222 helicopters serial number 47006 through 47089 and all spare bellcranks.
Model 222B helicopters serial number 47131 through 47156 and all spare bellcranks.

COMPLIANCE: As soon as practical following the receipt of this bulletin but no later than December 31, 2006. | c

DESCRIPTION:

Bell Helicopter has received reports of in-flight fracture and subsequent loss of a weighted portion of the tail rotor counterweight bellcrank P/N 222-012-727-003. Investigation revealed that the cause of the failure was due to gas porosity in the casting or to external damage. The replacement bellcrank P/N 222-012-727-105 will be machined from corrosion resistant steel bar/plate stock.

This bulletin requires removal from service of all existing bellcranks P/N 222-012-727-003.

APPROVAL:

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

MANPOWER:

Approximately 2.0 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 222 and 222B helicopters who comply with the instructions outlined in this bulletin will receive a special 100% warranty credit for the replacement parts contained in the "Required Material" section of this bulletin.

To receive this credit:

- Purchase the required parts from an approved BHTI supply source.
- Comply with the instructions contained in this bulletin no later than December 31, 2006.
- Submit a completed malfunction report to BHTI Warranty no later that 30 days after completion of this bulletin.

****NOTE**** Customers who fail to comply with the instruction in this bulletin after December 31, 2006 are not eligible for the special warranty credit provisions listed above.

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.

<u>Part Number</u>	<u>Nomenclature</u>	<u>Quantity</u>
222-012-727-105 (Note 1)	Bellcrank	2 per A/C
222-312-718-001	Bearing set	2 per A/C

Note 1: Only counterweight bellcrank with two (2) prefix letters scribed on the part before the serial number are eligible for installation.

Consumable Material:

None required

SPECIAL TOOLS:

None required

WEIGHT AND BALANCE:

Not affected

ELECTRICAL LOAD DATA:

Not affected

REFERENCES:

BHT-222/222B-MM-1, Chapter 65

BHT-222-CR&O-3, Chapter 64

Information Letter 222-03-18 Tail Rotor Counterweight Bellcrank

Information Letter 222-04-19 Rev. A Tail Rotor Counterweight Bellcrank

PUBLICATIONS AFFECTED:

BHT-222/222B-MM-1, Chapter 65

ACCOMPLISHMENT INSTRUCTIONS:

1. Remove existing bellcranks P/N 222-012-727-003 from tail rotor pitch change mechanism. Refer to BHT-222-CR&O-3, Chapter 64. Discard/scrap bellcranks and bearing sets. Retain remaining parts for reassembly.
2. Install new bellcranks P/N 222-012-727-105 with two (2) prefix letters scribed on the part before the serial number on tail rotor pitch change mechanism. Refer to BHT-222-CR&O-3, Chapter 64.
3. Remove from spare inventory all bellcranks P/N 222-012-727-003 and 222-012-727-105 without prefix letters before the serial number. Discard/scrap bellcranks.
4. Annotate aircraft records to reflect compliance with this bulletin.