

**ALERT SERVICE BULLETIN**  
REVISION NOTICE

**Bell Helicopter** **TEXTRON**  
A Subsidiary of Textron Inc.

DATE FEB 16, 2006

TO: **All Owners/Operators of Bell 430 Helicopters**

SUBJECT: **REVISION C TO ALERT SERVICE BULLETIN 430-04-30: 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**

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NO. 430-04-30

DATE 08-09-04

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REV C

**MODEL AFFECTED:** 430

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

**HELICOPTERS AFFECTED:** Model 430 helicopters serial number 49001  
through 49105 and all spare bellcranks

Model 430 helicopters serial numbers 49106 and  
subsequent will have the intent of this bulletin  
accomplished prior to delivery.

**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 430 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-430-MM-7, Chapter 64

BHT-430-CR&O-3, Chapter 64

Information Letter 430-03-33 Tail rotor counterweight bellcrank

Information Letter 430-04-34 Rev. B Tail rotor counterweight bellcrank

**PUBLICATIONS AFFECTED:**

BHT-430-MM-7, Chapter 64

**ACCOMPLISHMENT INSTRUCTIONS:**

1. Remove existing bellcranks P/N 222-012-727-003 from tail rotor pitch change mechanism. Refer to BHT-430-CR&O-3, Chapter 64. Discard/scrap bellcranks and bearing sets. Retain remaining parts for reassembly.
2. Install new bellcranks P/N 222-012-727-105 105 with two (2) prefix letters scribed on the part before the serial number on tail rotor pitch change mechanism. Refer to BHT-430-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.