

**ALERT SERVICE BULLETIN**  
**Bell Helicopter** **TEXTRON**

A Subsidiary of Textron Inc.

NO. 407-06-71

DATE Jan 10, 2006

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DATE

REV

**MODEL AFFECTED:** 407

**SUBJECT:** MAIN ROTOR HYDRAULIC SERVO ACTUATOR  
PART NUMBER VERIFICATION OF

**HELICOPTERS AFFECTED:** Model 407 helicopters serial number 53000 through 53681.

[Model 407 helicopters serial numbers 53682 and subsequent will have the intent of this bulletin accomplished prior to delivery.]

**COMPLIANCE:** PART I. As soon as practical but no later than February 1, 2006.

PART II. As soon as practical but no later than March 1, 2006.

**DESCRIPTION:**

Bell Helicopter found that due to an error in the Chapter 29 of the BHT-407-IPB, some operators might have installed 206-076-062-103 servo actuators in the main rotor controls in lieu of the 206-076-062-107. The hydraulic servo actuator 206-076-062-103 is not approved on the model 407. A revised copy of Chapter 29 of the BHT-407-IPB is provided with this bulletin.

PART I of this Alert Service Bulletin has you perform a one-time verification for main rotor servo actuator part number identification.

PART II of this Alert Service Bulletin has you replace the affected servo actuators

**APPROVAL:**

The engineering design aspects of this bulletin are TCCA/CD approved.

**MANPOWER:**

No additional man-hours are required to complete PART I of this bulletin when accomplished during scheduled maintenance.

Approximately 1.0 man-hour per servo actuator is required to complete PART II of this bulletin. Man-hours are based on hands-on time, and may vary with personnel and facilities available.

**WARRANTY:**

Owner / Operators of the affected helicopters who comply with the instructions outlined in this bulletin will receive a special warranty credit for labor only to replace the part number 206-076-062-103 with 206-076-062-107. If the 206-076-062-107 has been replaced by a 206-076-062-103, the 206-076-062-107 should be in your inventory. If you do not have the 206-076-062-107 in your inventory you may order a 206-076-062-107 and be charged exchange price. Warranty will allow \$200.00 labor to change these units.

To receive the labor credit:

Submit a completed MMIR (Maintenance Malfunction Information Report) to the BHTI Warranty for the labor no later than June 01, 2006

**MATERIAL:**

**Required Material:**

No material is required to perform PART I of this bulletin.

The following material is required for the accomplishment of PART II of this bulletin and may be obtained through your Bell Helicopter Textron Supply Center.

<u>Part Number</u>	<u>Nomenclature</u>	<u>Quantity</u>
206-076-062-107	Servo actuator	See note

Note: Servo actuator 206-076-062-107 is required only if a 206-076-062-103 servo actuator is installed.

**Consumable Material:**

For the list of consumable material required for the replacement of the servo actuators, refer to the BHT-407-MM Chapter 29.

**SPECIAL TOOLS:**

None required

**WEIGHT AND BALANCE:**

Not affected.

**ELECTRICAL LOAD DATA:**

Not affected

**REFERENCES:**

BHT-407-IPB Illustrated Parts Breakdown  
BHT-407-MM Maintenance Manual

**PUBLICATIONS AFFECTED:**

BHT-407-IPB Illustrated Parts Breakdown

**ACCOMPLISHMENT INSTRUCTIONS:**

**PART I. Part number verification:**

1. Get access to the main rotor servo actuators and verify the servos part number.
2. If the hydraulic servo actuators installed are 206-076-062-107, make an entry in the helicopter records to indicate that the PART I of this bulletin has been accomplished. No further action is required.
3. If one or more hydraulic servo actuator 206-076-062-103 is installed, perform PART II of this bulletin.

**PART II. Servo actuator replacement:**

1. Refer to the BHT-407-MM chapter 29 and replace the 206-076-062-103 servo actuator with a 206-076-062-107.
2. Attach a removal tag to the 206-076-062-103 servo actuator and write “ Removed due to installation on a M407 refer to ASB 407-06-71”. Send the servo for overhaul.
3. Make an entry in the helicopter records to indicate that the PART II of this bulletin has been accomplished.