

**TECHNICAL BULLETIN**  
**Bell Helicopter** **TEXTRON**

A Subsidiary of Textron Inc.

No. 204-03-47

Date 10-20-03

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DATE
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**MODEL AFFECTED:** 204B

**SUBJECT:** SWASHPLATE AND SUPPORT ASSEMBLY,  
BOLT 204-011-463-107 INTRODUCTION OF.

**HELICOPTERS AFFECTED:** Model 204B helicopters.

**COMPLIANCE:** At Customer's Option.

**DESCRIPTION:**

Bell Helicopter has developed an improved Collective Sleeve 204-011-408-107 with a larger outside diameter. The -107 replaces the -105 Collective Sleeve. In some cases, interference will occur between head of bolt 204-011-463-003 and the lower portion of the Collective Sleeve 204-011-408-107 when installing the Hub and Sleeve Assembly into the Swashplate and Support Assembly.

The replacement bolt 204-011-463-107 has a reduced head size, which when used with replacement washer 204-011-457-105 allows enough clearance for the installation of the 204-011-408-107 Collective Sleeve.

**APPROVAL:**

The engineering design aspects of this bulletin are FAA/DER approved.

**MANPOWER:**

Accomplishment of this bulletin during normal overhaul or maintenance will not require additional man-hours.

**MATERIALS:**

**Required Material:**

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

<b><u>Part Number</u></b>	<b><u>Nomenclature</u></b>	<b><u>Quantity</u></b>
204-011-463-107	Bolt	2
204-011-457-105	Washer	2
MS14145L5	Nut	2

**SPECIAL TOOLS:**

Refer to the BHT-204B Maintenance and Overhaul Manual.

**WEIGHT AND BALANCE:**

Not affected

**ELECTRICAL LOAD DATA:**

Not affected

**REFERENCES:**

BHT-204B-IPC Illustrated Parts Breakdown  
BHT-204B-M&O Maintenance and Overhaul Manual

**PUBLICATIONS AFFECTED:**

BHT-204B-IPC Illustrated Parts Breakdown, Section 3.  
BHT-204B-M&O Maintenance and Overhaul Manual, Section 1.

**ACCOMPLISHMENT INSTRUCTIONS:**

1. Refer to the BHT-204B-M&O Maintenance and Overhaul Manual for the replacement of the 204-011-463-003 bolt and 204-011-457-003 washer by the 204-011-463-107 bolt and 204-011-457-105 washer. The MS14145L5 nut should also be replaced with a new one.

**-NOTE-**

The 204-011-463-107 bolt has the same 1000 hour airworthiness life as the -003 bolt.

2. Make an entry in the Helicopter Historical Record (HR) to show that the 204-011-463-107 bolt and 204-011-457-105 washer have been installed per this Technical Bulletin.