

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

A Subsidiary of Textron Inc.

No. 212-03-193

Date 10-20-03

Page 1 of 3

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**MODEL AFFECTED:** 212

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

**HELICOPTERS AFFECTED:** Model 212 helicopters.

[Model 212 helicopters serial number 35104 and subsequent will have the intent of this bulletin accomplished prior to delivery]

**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.

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

**SPECIAL TOOLS:**

Refer to the BHT-212-CR&O Component Repair and Overhaul Manual.

**WEIGHT AND BALANCE:**

Not affected

**ELECTRICAL LOAD DATA:**

Not affected

**REFERENCES:**

BHT-212-IPC Illustrated Parts Breakdown  
BHT-212-MM Maintenance Manual  
BHT-212-CR&O Component Repair and Overhaul

**PUBLICATIONS AFFECTED:**

BHT-212-IPC Illustrated Parts Breakdown, Chapter 62.  
BHT-212-MM Maintenance Manual, Chapter 4.

**ACCOMPLISHMENT INSTRUCTIONS:**

1. Refer to the BHT-212-CR&O 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.