

TECHNICAL BULLETIN
Bell Helicopter **TEXTRON**

A Subsidiary of Textron Inc.

No. 205-03-114

Date 10-20-03

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DATE
REV

MODEL AFFECTED: 205A-1

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

HELICOPTERS AFFECTED: Model 205A-1 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.

<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-205A-1 CR&O Component Repair and Overhaul Manual.

WEIGHT AND BALANCE:

Not affected

ELECTRICAL LOAD DATA:

Not affected

REFERENCES:

BHT-205A-1-IPC Illustrated Parts Breakdown
BHT-205A-1-MM Maintenance Manual
BHT-205A-1-CR&O Component Repair and Overhaul Manual.

PUBLICATIONS AFFECTED:

BHT-205A-1-IPC Illustrated Parts Breakdown, Chapter 65.
BHT-205A-1-MM Maintenance Manual, Chapter 4.

ACCOMPLISHMENT INSTRUCTIONS:

1. Refer to the BHT-205A-1 Component Repair 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.