

TECHNICAL BULLETIN**214-23-98**

14 April 2023

MODEL AFFECTED: 214B/B-1

SUBJECT: ALTERNATE SPARE PART; MAIN ROTOR MAST ASSEMBLY P/N 214-040-003-107.

HELICOPTERS AFFECTED: 214B/B-1 Helicopter Serial Numbers 25001 and subsequent.

COMPLIANCE: At customer's option, use Main Rotor Mast, P/N 214-040-003-107 as an alternate spare part in lieu of Main Rotor Mast P/N 214-040-003-103.

DESCRIPTION:

This Bulletin is introduced to allow for the use of the 214ST Main Rotor Mast Assembly P/N 214-040-003-107 on all 214B helicopters.

When used on 214B helicopters, Main Rotor Mast Assembly P/N 214-040-003-107 will retain the same 140,000 RIN airworthiness retirement life as specified for the 214ST helicopters.

-NOTE-

RIN (Retirement Index Number) is the retirement life based on fatigue damage from normal helicopter lifts and takeoffs. New components will begin with an accumulated RIN of zero that will be increased as lifts and takeoffs are performed. Operators must record the number of lifts and takeoffs and increase the accumulated RIN accordingly. When the maximum RIN or retirement flight hours is reached, whichever occurs first, the component will be removed from service.

Each takeoff or lift counts as 2 RIN. If logging, increase RIN count to 4.

APPROVAL:

The engineering design aspects of this bulletin are FAA approved for FAA certified helicopters as listed in the applicable Type Certificate Data Sheet.

CONTACT INFO:

For any questions regarding this bulletin, please contact your product support specialist.

LABOR:

No additional labor required when accomplished during overhaul.

WARRANTY:

There is no warranty credit applicable for parts or labor associated with this bulletin.

MATERIAL:

Required Material:

None required.

Consumable Material:

The following material is required to accomplish this bulletin, but may not require ordering, depending on the operator's consumable material stock levels.

<u>Part Number</u>	<u>Nomenclature</u>	<u>Qty (Note)</u>	<u>Reference *</u>
2010-07015-00	PD680 Solvent	A/R (1)	C-304

* C-XXX numbers refer to the consumables list in the BHT-ALL-SPM, Standard Practices Manual

SPECIAL TOOLS:

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

<u>Part Number</u>	<u>Nomenclature</u>	<u>Qty</u>
SWE 13852-850	Adapter (used with transportation trailer)	1

WEIGHT AND BALANCE:

Not affected.

ELECTRICAL LOAD DATA:

Not affected.

REFERENCES:

BHT-214B-MM-1, Maintenance Manual

PUBLICATIONS AFFECTED:

BHT-214B-MM-1, Maintenance Manual

BHT-214B-IPB, Illustrated Parts Breakdown

BHT-214B-CR&O-1, Component Repair & Overhaul Manual

ACCOMPLISHMENT INSTRUCTIONS:

1. Prepare the helicopter for maintenance.
2. Remove the Main Rotor Mast Assembly from the helicopter (BHT-214B-MM-1, Chapter 66).
3. Install Main Rotor Mast Assembly P/N 214-040-003-107 (BHT-214B-MM-1, Chapter 66).

-NOTE-

The Main Rotor Mast must be installed as a complete assembly. The component parts of the 214-040-003-107 Main Rotor Mast Assembly are not compatible with other Main Rotor Masts.

4. Make an entry in the helicopter logbook and historical service records indicating compliance with this Technical Bulletin.