



A Textron Company

ALERT SERVICE BULLETIN

205B-20-70
6 August 2020

MODEL AFFECTED: 205B

SUBJECT: APPROVED TAIL ROTOR BLADES FOR USE ON THE MODEL 205B HELICOPTER

HELICOPTERS AFFECTED: Serial numbers 30066, 30166, 30188 and 30297.

COMPLIANCE: Within the next 25 flight hours or 30 days whichever occurs first after the release date of this bulletin.

DESCRIPTION:

Flight testing and fatigue analysis of the Model 205B has indicated that the 212-010-750 series tail rotor blades are subjected to increased loads on the 205B when compared to the same blades used on other model helicopters. Consequently, tail rotor blades 212-010-750-009 and -105 listed in ASB 205B-98-27 were re-identified and had a life reduction applied to them.

This bulletin lists the approved tail rotor blades that can be used on the model 205B and provides instructions to re-identify any tail rotor blades outside of the approved dash number range that have not exceeded 2500 flight hours. The airworthiness life limit of the tail rotor blades used on the model 205B helicopter is 2500 flight hours.

The approved Model 205B tail rotor blade part numbers are listed in the Accomplishment Instructions of this bulletin.

Applicability of this bulletin to any spare part shall be determined prior to its installation on an affected helicopter.

APPROVAL:

The engineering design aspects of this bulletin are FAA approved.

CONTACT INFO:

For any questions regarding this bulletin, please contact:

Bell Product Support Engineering
Tel: 1-450-437-2862 / 1-800-363-8023 / productsupport@bellflight.com

MANPOWER:

Approximately 1.0 man-hour is required to complete this bulletin. This estimate is based on hands-on time and may vary with personnel and facilities available.

WARRANTY:

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

MATERIAL:

Required Material:

The following material 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 (Note)</u>
212-010-750-135	Tail Rotor Blade	2 (1)

NOTE: Only required if the airworthiness retirement life of 2500 flying hours is exceeded.

Consumable Material:

None required.

SPECIAL TOOLS:

None required.

WEIGHT AND BALANCE:

Not affected.

ELECTRICAL LOAD DATA:

Not affected.

REFERENCES:

BHT-205B-MM Maintenance Manual Chapter 4.
Alert Service Bulletin ASB 205B-98-27

PUBLICATIONS AFFECTED:

BHT-205B-MM Maintenance Manual Chapter 4.

ACCOMPLISHMENT INSTRUCTIONS:

1. Confirm the part number of the installed tail rotor blades.

-NOTE-

All 212-010-750 tail rotor blades used on the 205B shall be removed from service and scrapped upon reaching their airworthiness life limit of 2500 hours. Tail rotor blades used on the 205B shall not be installed on other models using the 5000-hour tail rotor blade.

WARNING

Some parts are installed as original equipment on both military and commercial helicopters and may have a lower airworthiness life and/or overhaul schedule when used on a military helicopter than when used on a commercial helicopter. In addition, circumstances surrounding their use may call for operation of the military outside of the approved commercial flight envelope. Consequently, parts that have been used on military helicopters shall not be used on commercial helicopters.

2. Only the following tail rotor blade part numbers are approved for use on the 205B helicopter:
 - a. 212-010-750-109 (replaces 212-010-750-105 as per ASB 205B-98-27)
 - b. 212-010-750-111 (replaces 212-010-750-009 as per ASB 205B-98-27)
 - c. 212-010-750-117
 - d. 212-010-750-135

3. If the tail rotor blade part number differs from the above mentioned list and the blade has not exceeded 2500 flight hours, vibro-etch the tail rotor data plate with the new part number by crossing out the last three digits and adding the new three digits plus FM to indicate the blade was Field Modified:

For blades 212-010-750-113, re-identify as 212-010-750-117FM.

For blades 212-010-750-133, re-identify as 212-010-750-135FM.

4. Owners/operators shall contact Bell Product Support Engineering (PSE) immediately if the installed tail rotor blade part numbers differ from those listed in steps 2 or 3.
5. Annotate the applicable historical service record to identify the new 2500-hour retirement life.
6. Make an entry in the helicopter logbook and historical service records indicating compliance with this Alert Service Bulletin.