



A Textron Company

INFORMATION LETTER

407-06-90

18 October 2006

Revision A, 9 September 2020

TO: All owners and operators of Model 407 helicopters

SUBJECT: MAIN ROTOR BLADES 407-015-001-135 AND -137, INTRODUCTION OF.

This Information Letter introduces the new main rotor blades 407-015-001-135 (standard paint scheme) and 407-015-001-137 (high visibility paint scheme). The 407-015-001-135 and -137 are the current production blades installed on helicopters serial number 53640 and subsequent. The new main rotor blades offer an improved lightning strike protection and forward product balance pocket drainage. All previous dash numbers can be modified equivalent to the latest production configuration by Bell. For more information contact:

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Mixing main rotor blades of different dash numbers is acceptable provided satisfactory vibration levels can be achieved. Main rotor blades having similar characteristics such as part number, total time in service and tab settings will usually provide better results if installed in opposite positions. For more detail on mixing of blades and for product balance adjustment procedures refer to the 407-MM Maintenance Manual, Chapter 18.

-NOTE-

All main rotor blades listed in the Table 1 can be modified equivalent to the latest configuration. Refer to TB 407-04-55 for details regarding the modification that will allow product balance adjustment in the field.

IL 407-06-90-RA

Page 1 of 2

Approved for public release.

Table 1. Main rotor blade configuration

BLADE PART NUMBER	NOTES
407-015-001-107	1
407-015-001-107FM1	1,3,8
407-015-001-107FM2	1,4
407-015-001-109	2
407-015-001-109FM1	2,3,8
407-015-001-109FM2	2,4
407-015-001-111	1
407-015-001-111FM1	1,3,8
407-015-001-117	2
407-015-001-117FM1	2,3,8
407-015-001-127	1,5
407-015-001-129	2,5
407-015-001-135	1,6
407-015-001-137	2,6
407-015-001-135FM	1,7
407-015-001-137FM	2,7

Notes:

1. This blade has a standard paint scheme.
2. This blade has a high visibility paint scheme.
3. Blades having the suffix FM1 had the product balance pockets modified to allow weight adjustment in the field. They also had a drain hole made in the pockets covers to allow moisture evacuation. For product balance weights adjustment procedures refer to the 407-MM ([DMC-407-A-18-10-02-03A-271A-A](#)).
4. Blades having the suffix FM2 have the same characteristics as the latest configuration -135 and -137. See Note 5 for detail.
5. This blade has the product balance pockets field adjustable. They also have a drain hole made in the pockets covers to allow moisture evacuation. For product balance weights adjustment procedures refer to the 407-MM ([DMC-407-A-18-10-02-03A-271A-A](#)).
6. This blade is the latest production configuration that replaces all previous dash numbers. The product balance pockets are field adjustable and the drain hole for the upper pocket has been relocated in the spar to allow moisture to exit at the tip drain. The lightning strike protection has also been improved. For product balance weights adjustment procedures refer to the 407-MM ([DMC-407-A-18-10-02-03A-271A-A](#)).
7. Blades -135 and -137 having the suffix FM are equivalent to the latest production blades -135 and -137. For product balance weight adjustment procedures refer to the 407-MM ([DMC-407-A-18-10-02-03A-271A-A](#)).
8. Blades having the suffix FM1 has the pocket drain hole in the spar on the forward balance weight pocket cover. Blades having the suffix FM1A has the pocket drain hole sealed on the forward balance weight pocket cover.

For any questions regarding this letter, please contact:

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