



**HUGHES
SERVICE INFORMATION
LETTER**

LETTER NO. L-51
DATE Oct. 18, 1968
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FOR TRAINING USE ONLY

TO—All owners and operators of Hughes Helicopters

SUBJECT: MAIN ROTOR BLADE CATEGORIES (A, B, C and D)

MODELS AFFECTED: All 269 Series Helicopters

Reference

269A/A-1/TH-55A Handbook of Maintenance Instruction, Revised 1 June 1968
269B Handbook of Maintenance Instruction, Revised 1 July 1968

The information given in this Service Information Letter defines the alphabetical categories applied to main rotor blades in order to distinguish the twist difference between the 75- and 100- percent span points of the blade. This data supersedes applicable data in the current HMI and is to be considered a part of the HMI until formal incorporation is accomplished at the next revision cycle.

269A/A-1/TH-55A HANDBOOK OF MAINTENANCE INSTRUCTION, Page 4-13
269B HANDBOOK OF MAINTENANCE INSTRUCTION, Page 4-11

Paragraph 4-15. INSTALLATION - MAIN ROTOR BLADES

DELETE: Existing NOTE in Para. 4-15.

And replace with new NOTE as follows:

NOTE

In addition to its serial number, each main rotor blade is further identified by one of four alphabetical categories: A, B, C or D. The category of each blade is determined by the twist difference between the 75- and 100- percent span points of the blade. It is preferred that main rotor

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blades be installed in sets of three of the same category to simplify and expedite tracking procedures. However, two blades of one alphabetical category and one of an adjacent category are permitted in the same set, as shown below:

Preferred:	AAA	BBB	CCC	DDD
Permitted:	AAB	BBA BBC	CCB CCD	DDC
Not Permitted:	AAC ABC ABD ACD	BBD BCD	CCA	DDA DDB

Blade category is indicated on the identification plate of each main rotor blade. When ordering a replacement blade, specifying serial numbers and categories of blades that are to remain on the helicopter will enable the factory to supply a replacement blade having flight characteristics similar to those that are to remain on the helicopter. This reduces tracking time when installing replacement blades.

269A/A-1/TH-55A HANDBOOK OF MAINTENANCE INSTRUCTION, Page 4-14

Paragraph 4-16. TRACKING - MAIN ROTOR BLADES

DELETE: Existing last sentence of CAUTION under step a.:

"To avoid tracking difficulties, do not mate one or more 269A1131 main rotor blades with 269A1131-1 main rotor blades."



Edward Koch, Manager
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