

**HUGHES  
SERVICE INFORMATION  
LETTER**

LETTER NO. L-78  
DATE 22 October 1973  
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TO—All owners and operators of Hughes Helicopters

SUBJECT: NEW MAIN TRANSMISSION INPUT PINION FORWARD  
ROLLER BEARING, PN 269A5051-20

MODELS AFFECTED: All Model 269 Series Helicopters

Reference

- 269 Series - Basic HMI, Issued 1 April 1973
- 269 Series - HMI Appendix B, Issued 1 July 1973
- 269 Series - HMI Appendix C, Issued 1 March 1973

A new longer wearing 269A5051-20 input pinion forward roller bearing is now available as a replacement for the 269A5051-1 bearing, during field overhaul of the 269A5175 series (basic and all dash numbers) main transmission assemblies.

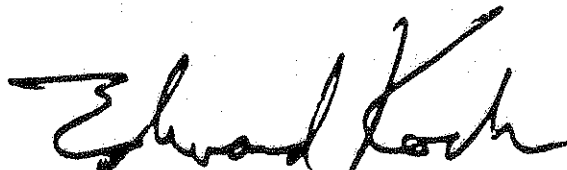
When installed in a main transmission used on 269C helicopters, the improved -20 bearing has a recommended replacement time of 3000 hours, an increase from the 1000-hour replacement interval for the -1 bearing. In addition, the replacement time for the 269A5051-7/8 and 269A5051-18/19 roller bearings is increased to 3000 hours when they are newly installed with the -20 bearing, thus eliminating the requirement for minor overhauls at 1000 hour intervals. New or reworked transmissions equipped with the new -20 forward roller bearing are identified by the letter "A" prefixed to the gearbox part number on the name plate.

It is to be noted that installation of the new 269A5051-20 bearing is also recommended during overhaul of 269A5175 gearboxes installed on 269A/A-1 and 269B helicopters. Use of the -20 bearing, however, does not affect the existing 2400 hour replacement interval for pinion assembly bearings, as specified in HMI Appendix B.

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To incorporate the new 269A5051-20 pinion bearing, specify minor overhaul (pinion bearing) kit PN 269A5190-9 or major overhaul kit PN 269A5190-7.

The above information will be incorporated in the next revision to the referenced HMI Appendix B Overhaul and Retirement Schedule, and the HMI Appendix C Overhaul Manual.

A handwritten signature in black ink, appearing to read "Edward Koch". The signature is fluid and cursive, with a large initial "E" and "K".

Edward Koch, Manager  
Customer Service Department  
Hughes Helicopters  
division of Summa Corporation