



SCHWEIZER SERVICE INFORMATION LETTER

LETTER NO. L-127.1*

DATE 9 April 1982

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Supersedes Service Information
Letter No. L-127, Dated 23 October
1981

SUBJECT: UNLIMITED SERVICE LIFE PN 269A5430 AND 269A5430-1
DRIVING SPLINE FITTING AND 269A6030 DRIVEN SPLINE
AND INSPECTION CRITERIA

MODELS AFFECTED: All Model 269C Helicopters

Reference

Model 269 Series Basic HMI, Reissued 1 April 1980
Model 269 Series Basic HMI-Appendix B, Reissued 1 April 1980
Model 269 Series Basic HMI-Appendix C, Revised 15 December 1981

The finite life of 3000 hours for PN 269A5430 and 269A5430-1 tail rotor drive shaft forward end driving spline fitting and PN 269A6030 tail rotor gearbox driven spline has been eliminated.

Whenever belt drive transmission is removed and disassembled, retirement of PN 269A5430 and 269A5430-1 driving spline fitting is to be determined on an "on condition" basis, in accordance with the inspection criteria given below.

1. Visually inspect driving spline fitting for cracks, breaks or damaged splines; perform dye penetrant or magnetic particle inspection if cracks are suspected.
2. No defects are allowed.
3. Driving spline fitting is not repairable and must be replaced if defects are found.
4. Inspect splines for wear as shown in Figure 1. Replace driving spline fitting that does not conform to dimensions shown in Figure 1.

(|) Denotes portion of text added or revised.

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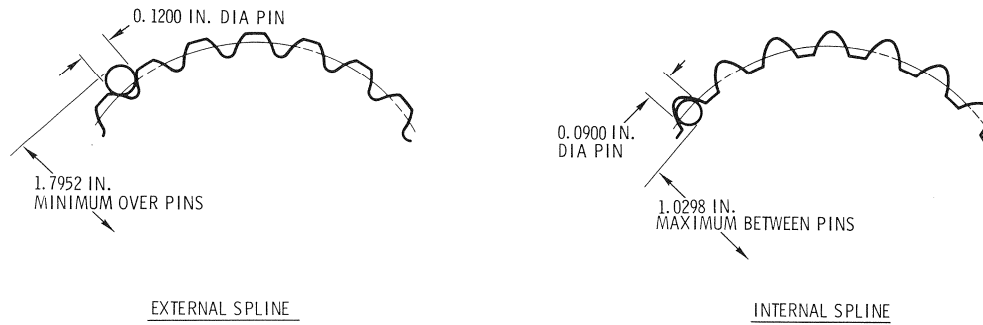
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Retirement of PN 269A6030 driven spline is to be determined on an "on condition" basis, during overhaul of the tail rotor transmission, in accordance with the inspection criteria provided in Part III, Section 3 of HMI-Appendix C. Also inspect splines for wear as shown in Figure 1. Replace driven spline that does not conform to minimum and maximum dimensions shown in Figure 1.

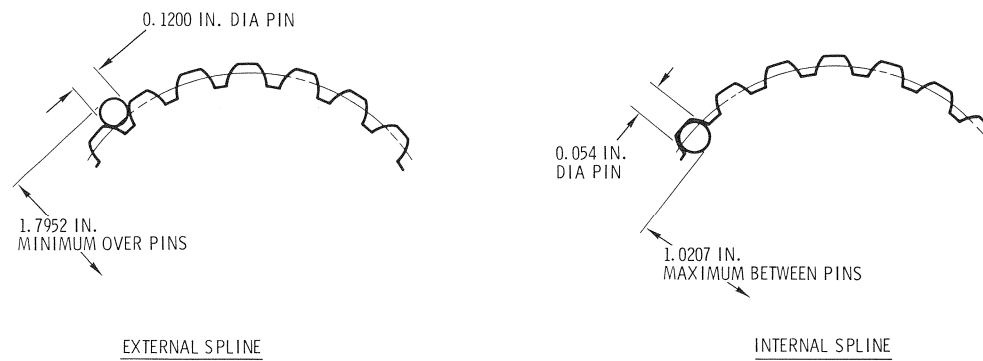
Insert the attached Reference Sheets, at the page indicated, in your HMI. The above information is to be considered a part of the HMI and will be incorporated in the next scheduled revision of the above referenced Handbooks.

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

Edward Koch, Manager
Customer Service Department
Hughes Helicopters, Inc.



269A5430 AND 269A5430-1 DRIVING SPLINE FITTING



269A6030 DRIVEN SPLINE

Figure 1. Inspection of Driving Spline Fitting and Driven Spline

REFERENCE SHEET

SERVICE INFORMATION NOTICES AND LETTERS

Action Reference: When performing inspection of belt drive transmission assembly, refer to Service Information Letter No. L-127.1 for inspection criteria for tail rotor drive shaft forward end driving spline fitting.

HMI Reference: Insert this sheet in Model 269 Series Basic HMI, Section 10, page 10-17.

This reference sheet shall be kept as a part of the manual until the data is incorporated at the next revision of Model 269 Series Basic HMI.

REFERENCE SHEET

SERVICE INFORMATION NOTICES AND LETTERS

Action Reference: When referring to Table B-5, Component mandatory replacement schedule, refer to Service Information Letter L-127.1.

HMI Reference: Insert this sheet in Model 269 Series Basic HMI-Appendix B, Table B-5, Component mandatory replacement schedule, page 2-17.

This reference sheet shall be kept as a part of the manual until the data is incorporated at the next revision of Model 269 Series Basic HMI-Appendix B.

REFERENCE SHEET

SERVICE INFORMATION NOTICES AND LETTERS

Action Reference: When performing overhaul of tail rotor transmission, refer to Service Information Letter No. L-127.1 for additional inspection criteria for tail rotor gearbox driven spline.

HMI Reference: Insert this sheet in Model 269 Series Basic HMI-Appendix C, Part III, Section 3, page 3-3.

This reference sheet shall be kept as a part of the manual until the data is incorporated at the next scheduled revision of the Model 269 Series Basic HMI-Appendix C.