

**HUGHES
SERVICE INFORMATION
LETTER**

LETTER NO. L-87

DATE 11 August 1975

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TO—All owners and operators of Hughes Helicopters

SUBJECT: New Conical Type Teeter Bearings for LTS Tail Rotor Assembly

MODELS AFFECTED: The following helicopters with 269A6034 LTS Tail Rotor Assembly installed:

Model 269A Helicopter Serial No. 0011 through 1109

Model 269A-1 Helicopter Serial No. 0001 through 0041

Model 269B Helicopter Serial No. 0001 through 0462

Model 269C Helicopter Serial No. 0004 through 0469

All 269A6034 LTS Tail Rotor Assemblies and 269A6075 Tail Rotor Drive Fork Assemblies in Spares Inventory

Reference

269 Series - Basic HMI, Issued 1 April 1973; Revision No. 2, 1 January 1974

A new conical type tail rotor drive fork teeter bearing, designed to reduce axial wear and play and minimize tail rotor vibrations, is now available as a replacement for existing spherical type 269A5050-69 or 369A1709 bearings utilized on LTS tail rotor assemblies.

The new bearing incorporates a 369A1726 inner race and a 369A1727 outer race, with a reinforced Teflon liner between the conical journal and bearing outer race. The improved Teflon liner provides self-lubrication, with less wear between the races, and longer bearing life. Shims are provided so that adjustment can be made when wear occurs.

Since the new teeter bearing differs in size and configuration from the spherical type bearing, the existing 269A6075 tail rotor drive fork may either be (1) replaced with a new 90-369A1728 drive fork assembly, equipped with the conical bearings, or (2) returned to Hughes Helicopters Warranty and Repair Department on a one-time basis for rework of the bearing bores and installation of conical bearings.

Customer Service Department - Hughes Helicopters - Culver City, California

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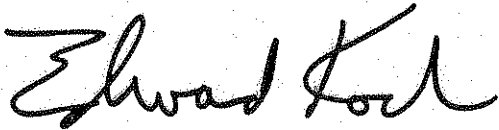
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Subsequent replacement of the conical bearings can be accomplished in the field. Provisions for field replacement of the new bearing will be included in a revision to the HMI, which will be distributed approximately 1 August 1975.

It is to be noted that all LTS tail rotor and drive fork assemblies procured from or overhauled at Hughes Helicopters will incorporate the new conical journal teeter bearings. Spare parts supporting the old tail rotor configuration will no longer be available after existing inventories are consumed.



Edward Koch, Manager
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