



TRAINING

LETTER NO. L-34

DATE Dec. 13, 1967

PAGE 1 OF 3

HUGHES
SERVICE INFORMATION
LETTER

TO—All owners and operators of Hughes Helicopters

SUBJECT: INTERIM REVISION(HMI) RE: SPECIAL TORQUE DATA-
FORWARD NUT, LOWER PULLEY DRIVE SHAFT

MODELS AFFECTED: All 269 Series Helicopters equipped with 269A5497-3
lower coupling pulley drive assembly.

Reference

269A/A-1/TH-55A Handbook of Maintenance Instructions, Reissued 15 Dec. 1967
269B Handbook of Maintenance Instructions, Reissued 15 August 1967

The information given in this Service Information Letter lists special torque data required for installation and inspection of lower pulley bearings when the 269A5497-3 lower coupling pulley drive is installed. The -3 pulley drive assembly incorporates a longer shaft which is threaded at the forward end to accommodate a nut and lockwasher. Addition of the nut provides a secure lockup of the inner race of the forward bearing to the pulley drive shaft, resulting in more efficient operation of the lower pulley assembly and reduced wear of bearing components.

Torque data for the lower pulley aft retainer nut is also included.

269A/A-1/TH-55A HANDBOOK OF MAINTENANCE INSTRUCTIONS
269B HANDBOOK OF MAINTENANCE INSTRUCTIONS

Pg. 1-28, Table 1-5. Torque Data

ADD:	<u>Nomenclature</u>	<u>Torque</u>
	Lower pulley forward nut (with lockwasher)	1000 - 1400 in. lbs.
	Lower pulley aft retainer nut	600 - 800 in. lbs.

HELICOPTER SUPPORT SERVICES • HUGHES TOOL COMPANY • AIRCRAFT DIVISION • CULVER CITY, CALIFORNIA

LETTER NO. L-34
DATE Dec. 13, 1967
PAGE 2 OF 3

269B HANDBOOK OF MAINTENANCE INSTRUCTIONS

Pg. 4-48, Para. 4-102. DISASSEMBLY - BELT DRIVE TRANSMISSION

ADD: To existing step f:

NOTE

With P/N269A5497-3 lower pulley drive assembly installed, remove lockwasher and nut securing forward bearing (48) to lower pulley drive shaft.

Pg. 4-54, Para. 4-107. 400 HOUR INSPECTION - BELT DRIVE UPPER AND LOWER PULLEY BEARINGS

ADD: To existing step i:

NOTE

On aircraft with P/N269A5498-3 lower pulley drive shaft it is necessary to remove the lockwasher and nut before removing the grease seal from the forward bearing. After packing bearing, torque nut to 1000-1400 inch-pounds and reinstall lockwasher.

Pg. 4-55, Para. 4-109. REASSEMBLY - BELT DRIVE TRANSMISSION ASSEMBLY

DELETE: Existing step a.

ADD: New step a. as follows:

a. Fill gear coupling cavities in lower pulley assembly with Shell Alvania EP No. 1 grease; install grease retainer (49). Place coupling drive shaft in operating position and install spacer (47), gasket (46), plug (45), lockwasher (2), retainer nut (1) and bearings (48).

NOTE

With P/N269A5497-3 lower pulley drive assembly installation, secure forward bearing (48) on lower pulley drive shaft with nut and lockwasher. Torque nut to 1000-1400 inch-pounds Use wrench tool (P/N 269A9299) when installing nut; lockwasher is installed with special tool (P/N269A9300).

LETTER NO. L-34
DATE Dec. 13, 1967
PAGE 3 OF 3

DELETE: Existing step ag.

ADD: New step ag. as follows:

ag. Install lockwasher (2, Figure 4-16) and aft retainer nut (1) on bumper plug (45); tighten aft retainer nut to 600-800 inch-pounds and safetywire.

