



**HUGHES
SERVICE INFORMATION
NOTICE**

NOTICE NO. N-36

DATE July 26, 1967

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SUBJECT: INSPECTION-TAIL ROTOR DRIVE SHAFT, EXCESSIVE
END PLAY

MODELS AFFECTED: All 269 Series Helicopters

TIME OF COMPLIANCE: Mandatory on a one-time basis within next 25 hours of
aircraft operation unless already accomplished.

PURPOSE:

The information given in this Service Information Notice lists a procedure to inspect for excessive fore and aft movement of tail rotor drive shaft, and assure proper installation of P/N 269A5712 cup at forward and aft ends of drive shaft assembly. Excessive play may result in marginal engagement of driving and driven splines.

Reference

269A/A-1 Handbook of Maintenance Instructions
TH55A HMI Addendum
269B Handbook of Maintenance Instructions

- a. Grasp tail rotor drive shaft forward of boom and, using steady pressure, attempt to move shaft back and forth.
- b. Measure amount of end play. (See View A-A, Figure 1)
- c. If end play does not exceed 5/16 inch, no further action is required.

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- d. If end play exceeds 5/16 inch, remove tail rotor drive shaft. (See reference)
- e. Measure distance of cups from forward and aft ends of drive shaft to determine if cups are in proper location. (See View B-B, Figure 1)

WARNING

Cups must be installed and located properly at both ends of drive shaft. If cup is not installed at end of drive shaft or does not meet dimensional tolerance notify Service Department HTC-AD immediately.

- f. Inspect retainer nut and spline on tail rotor transmission input shaft for looseness, wear or damage.
- g. Inspect retainer nut and spline on upper pulley pinion shaft for looseness, wear or damage.
- h. Replace worn or damaged parts.
- i. Install tail rotor drive shaft, tail rotor transmission and tail rotor assembly.
- j. Inspect installation for discrepancies.

Weight & Balance Data

Weight and balance not affected.

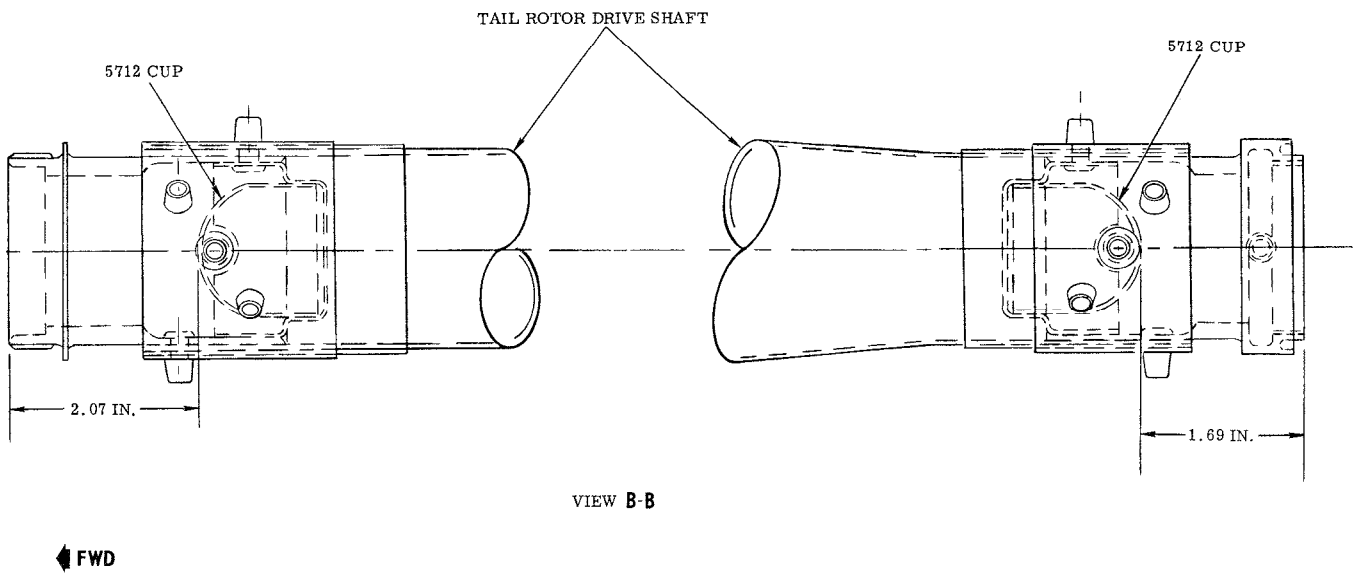
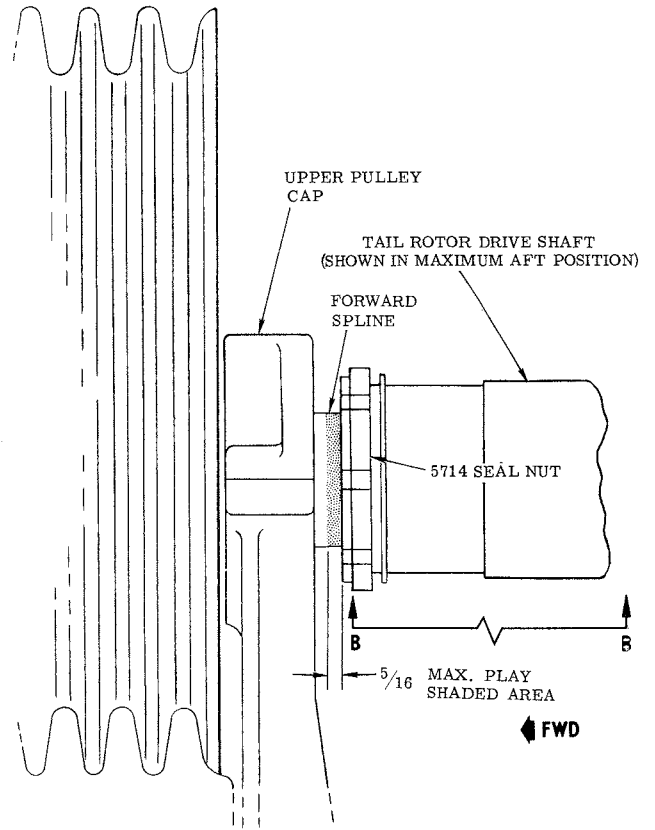
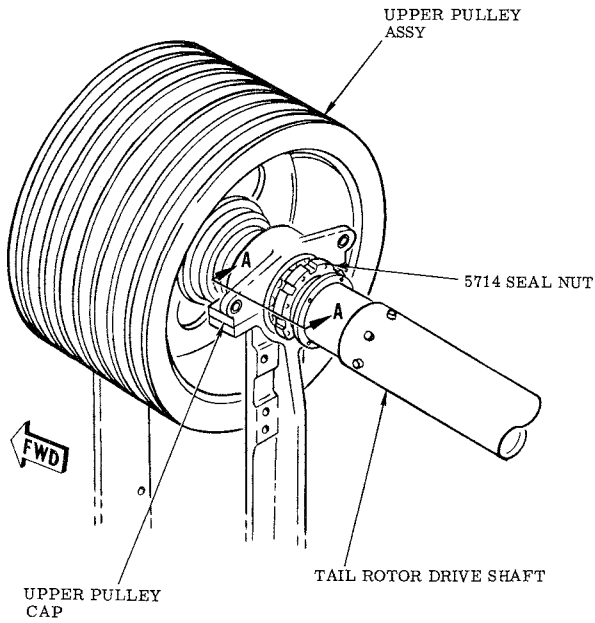


FIGURE 1. INSPECTION-TAIL ROTOR DRIVE SHAFT, EXCESSIVE END PLAY

