



**HUGHES
SERVICE INFORMATION
NOTICE**

MANDATORY

NOTICE NO. **N-12**

DATE **September 1, 1966**

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**SUBJECT: FIELD MODIFICATION - BELT DRIVE IDLER
PULLEY CLUTCH SHAFT PLUG P/N 5456**

**MODELS AFFECTED: 269A Serial No's. 0011 through 0314; TH55A
Serial No's. 0315 through 0667, 269A-1 Serial
No's 0001 through 0041 and 269B Serial No's.
0001 through 0273 Helicopters.**

TIME OF COMPLIANCE: Mandatory within the next 50 hours of flight time.

**PREFACE: To prevent distortion and possible cracking of the
idler pulley arms at the pivot point.**

Distortion of the shaft pivot hole has occurred whenever the bolts securing the arms to the pivot shaft have been overtorqued. Service Information Notice N-8 dated July 15, 1966, defines a mandatory inspection of the arms and specifies the correct torque, 20 to 30 in. lbs. To prevent distortion and cracking due to inadvertent over-torquing, the plugs noted above are to be installed.

Reference

**269A/A-1 Handbook of Maintenance Instructions
269B Handbook of Maintenance Instructions
TH55A HMI Addendum
Service Information Notice N-8 dtd. July 15, 1966**

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- a. Remove belt drive transmission upper and lower covers.
- b. Engage belt drive transmission.
- c. Remove nut, washers and bolt securing one end only of pivot shaft and idler pulley arm.
- d. Insert plug in end of shaft; align hole in plug with holes in shaft and arm.
- e. Install bolt, two washers and nut securing arm to shaft; torque 20 to 30 in. lbs.
- f. Repeat steps c. through e. for opposite end of shaft.
- g. Perform an operational check of bolt engagement mechanism; repeat cycle several times.
- h. While performing step g. check for audible evidence of binding.
- i. Visually inspect installation.
- j. Reinstall belt drive covers.

Weight & Balance Data

No applicable change caused by plug installation.

Parts Required

<u>P/N</u>	<u>Quantity</u>	<u>Mfg.</u>
*5456	2	HTC-AD

*Parts may be obtained from HTC-AD Parts Department at a nominal charge.