

Bell Helicopter **TEXTRON**

A Subsidiary of Textron, Inc.

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INFORMATION LETTER 407-99-40

TO: All Owners/Operators of 407 Helicopters Equipped with a Air Comm Corporation Air Conditioning System Approved by STC SR00222DE and STA SH96-81

SUBJECT: 407 AIR CONDITIONING, DRIVE PULLEY INSTALLATION

This information letter is issued as a reminder of the importance of correct torque application when installing the drive pulley S-3532EC-1.

The following situations have been reported to Bell Helicopter and Air Comm Corporation:

- Absence of torque on the drive pulley S-3532EC-1.
The result was excessive spline wear to the shaft 406-040-320-101 and drive ring S-3532EC-3, and thread damage to the shaft 406-040-320-101 and drive pulley S-3532EC-1. Replacement of the parts was necessary.
- Excessive torque on the drive pulley S-3532EC-1.
Removal of the drive pulley required excessive force. It may have resulted in thread damage to the shaft 406-040-320-101 and the drive pulley S-3532EC-1.

The drive pulley must be torqued to 200-300 in-lbs using appropriate tools (spanner wrench AN8515-2). When torquing the pulley, do not back-off, tighten without exceeding the maximum allowable torque to provide hole alignment of drive ring S-3532EC-3, and drive pulley S-3532EC-1. Please refer to Air Comm Corporation installation drawing 407EC-300 for specification.

Bell Helicopter and Air Comm are investigating this situation and may introduce changes in assembly procedures if required.

Operators are requested to report any similar encounter to Bell Helicopter, Product Support Engineering.