



ENSTROM HELICOPTER CORPORATION

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SERVICE DIRECTIVE BULLETIN

SERVICE NOTE 0011

Date: March 29, 1972

Subject: Taper Pins on Tail Rotor Drive Shaft

Model Affected: F-28A - All Serial Numbers thru S/N 83

Reason: To Increase Reliability of Pinned Couplings

Time of Compliance: Within the Next 25 Hours of Operation

We have had two field reports of taper pin failures on the tail rotor drive shaft. Under normal operating conditions the taper pins used have an adequate margin of safety, but an extensive engineering review has revealed the following. By testing it has been found that not all AN386-1-8A taper pins meet the required material specification of a tensile strength of 125,000 to 145,000 psi. Also, by experimental testing, it was determined that improperly reamed taper pin fit reduces the life characteristics of the pin.

To attain a higher degree of reliability of these pinned couplings, it is recommended that AN386-2-8A taper pins be installed, (2) at forward coupling and (3) at aft coupling. The tool required for this installation is a B & S No. 2 Reamer. Particular care to avoid over-reaming of holes should be taken. If over-reaming occurs, substitute an AN975-3 cup washer and an AN364-1032 nut if required.

The AN386-2-8A taper pins may be acquired from the Enstrom Factory Customer Service Department, Enstrom dealers, or any authorized AN Hardware Distributor.

The enclosed self-addressed card is to be filled out and returned to the Enstrom Corporation when this service note has been complied with.