



THE ENSTROM HELICOPTER CORPORATION
TWIN COUNTY AIRPORT, P.O. BOX 490, MENOMINEE, MICHIGAN 49858

SERVICE INFORMATION LETTER

SERVICE INFORMATION LETTER NO. 0052

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Date: January 27, 1977

Subject: Improved Narrow-Chord Tail Rotor Spindle Design

Models: F-28A, 280, and "C" Models

Effectivity: Component S/N 090-76ST and Up as Identified at Location on illustration

The tail rotor spindle, Enstrom P/N 28-15018, for the narrow-chord tail rotor grip blade assembly, P/N 28-15017, has been redesigned to essentially double the fatigue strength of the spindle, thus providing an additional margin of safety in the event the torque is lost on the spindle retention nut. The redesign consisted of lengthening the small spindle diameter, increasing the radius to the larger diameter or bearing shoulder, and shot-peening the radius. A bearing spacer that is double-chamfered was added to the assembly to compensate for the length difference and radius clearance required.

When disassembling or assembling tail rotor spindles S/N 090-76ST and up, special care should be taken to include the spacer, P/N 28-15018-11, when tool No. T-0055 is used to locate and position #KP-16B bearing on the spindle. The complete assembly is illustrated on page 2 for your reference.

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NOTE: IF COUNTERBORE OF T-0055 POSITIONING TOOL WILL NOT RECEIVE SPACER, COUNTERBORE ON TOOL SHOULD BE OPENED SLIGHTLY TO ALLOW 28-15018-11 SPACER TO SLIP IN.

