



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

SERVICE INFORMATION LETTER

SERVICE INFORMATION LETTER NO. 0077

Date: December 12, 1978

Subject: Torque, Main Rotor Transmission, Pinion Shaft Nut SLN 3045

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

Compliance: Within 25 Hours of Installation and Thereafter at 100 Hour Inspections.

The intent of this letter is to insure that all operators of Enstrom Helicopters are aware of the service requirement which calls for retorquing of the pinion shaft nut. Improper torque could cause internal damage to the bearing spaces that will necessitate overhaul and repair.

Service Directive Bulletin number 0007 calls for checking pinion nut torque after the first 2 hours of operation after installation, and thereafter at 100 hour inspections. The 2 hour retorquing may be extended to 25 hours for operators convenience. For nut installation procedures, refer to 280 manual page MM 8-10 or F-28A manual page MM 8-10.

To insure that the main rotor gearbox input pinion lock nut SLN 3045 is properly torqued, proceed as follows:

- a. Remove wrap-around cowl. Top cowl only from model 280 helicopters.
- b. Carefully pry loose the serrated lock washer SLW 3045 from the lock nut.
- c. Using Enstrom special tool T-0053, torque the SLN 3045 nut to 2000 inch lbs.
+ 100 inch lbs.
- 100 inch lbs.
- d. Reinstall lock washer SLW 3045 on lock nut. Reference 280 and F-28A maintenance manual page MM 8-10, item e. Washer (2a) is not used with lock nut SLN 3045 and lock washer SLW 3045. It should be noted that washer (2a) and nut (1a) are only found on early pinion shafts that have an external keyway cut in the threads for the tang lock washer (2a).