



SERVICE INFORMATION LETTER

SERVICE INFORMATION LETTER NO. 0109

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Date: March 10, 1981

Subject: Slinger Rings for Rain Protection on Main Rotor Shaft and Tail Rotor Input Shaft

Models: All Models Manufactured Prior to January, 1981

Effectivity: All Serial Numbers

To prevent water from entering the bearings at the top of the main rotor transmission and the input side of the tail rotor transmission during flight, current production Enstrom helicopters have elastomeric slinger rings installed (see Fig. 1 & 2) on the main rotor shaft and tail rotor drive input shaft.

Water contamination of the lubricant in these bearings or corrosive damage to seal surfaces may reduce the service life of the transmissions. It is therefore recommended that these slingers be installed on all Enstrom helicopters.

Installation on operational main rotor shafts involves cutting through one half the diameter of the slinger ring with a straight, smooth cut to allow installation on the shaft. When installed, the cut portion is reattached with Eastman 910 or Loctite 495 or an equivalent anaerobic adhesive. Care should be taken not to contaminate the cut surface. Apply a thin coat of adhesive and press the two ends firmly together, this adhesive will set in 5-20 seconds. After the adhesive has set, slide the slingers as close as possible to the bearing seal, but **DO NOT** allow it to touch the gear box.

Installation of the main rotor slinger may also be accomplished by rotor head removal at scheduled maintenance, and slipping it over the shaft.

Installation of the tail rotor slinger can be accomplished by disassembly of the rear tail rotor drive shaft coupling. Slip the slinger over the 28-13607 sleeve and assemble the coupling. Slide the sleeve aft as close as possible to the bearing and seal, but **DO NOT** allow it to touch the protruding hardware.

Slinger rings and adhesive can be purchased from Enstrom Customer Service by ordering P/N 28-13137-11 for the main rotor shaft and P/N 28-16399-11 for the tail rotor shaft.

