



SERVICE INFORMATION LETTER

SERVICE INFORMATION LETTER NO. 0138

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DATE: September 11, 1995

1. SUBJECT: Pinion Nut Torque and Upper Jack Strut Bearing Adaptor Inspection.

2. MODELS: F28A, 280, F28C, 280C, F28C-2, F28F, 280F/280FX Helicopters

3. EFFECTIVITY: At the next 50 or 100 hour inspection whichever occurs first.

4. BACKGROUND:

Two instances of damage to the upper jack strut bearing adaptor and pinion retaining nut have been found during field inspections of the upper drive system. The damage was the result of either the improper use of LocTite on the inside diameter of bearing adaptor (P/N 28-13323-11) which restricted its ability to move when the pinion nut was torqued, or a loose fit resulting from tolerance variations on the adapter. If this condition is allowed to continue, fretting damage to the upper jack strut bearing adaptor, bearing assembly and pinion can occur. This can result in a premature and costly overhaul of the main rotor gear box and upper jack strut assembly.

5. COMPLIANCE:

In order to reduce the possibility of an occurrence of this problem in the field, Enstrom is requesting all owners and operators to conduct the following inspection:

- 5.1 Remove safety wire or locking ring from the pinion retention nut.
- 5.2 Check torque prior to removing nut. Low torque may indicate a possible fretting condition exists.
- 5.3 Remove the pinion retention nut and check the contact surface for signs of fretting or wear between it and the upper jack strut bearing adaptor surface.
- 5.4 If any fretting or wear is found, the upper jack strut bearing adaptor and clutch should be removed and inspected. Particular attention should be given to inspection of mating surfaces subject to pinion shaft stack up and/ or torque.

8. WARRANTY/SPECIAL PRICING:

Standard warranty applies as published for overhaul main rotor gear boxes and new gear boxes.

9. WEIGHT CHANGE: Not applicable.

10. LOG BOOK ENTRY:

A one-time log book entry should be made.

11. REPETITIVE INSPECTIONS:

As noted in paragraph (6 & 6.1) and maintenance manual 100 hour checklist.