



# SERVICE INFORMATION LETTER

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SERVICE INFORMATION LETTER NO. 0151

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DATE: March 6, 2000

1. SUBJECT: Low Rotor Warning Tone Generator "Shelf Life"
2. MODEL: F-28F and 280FX
3. EFFECTIVITY: F-28F, Serial Number 744 and subsequent; 280FX, All serial numbers
4. BACKGROUND:

The low rotor warning system installed in the aircraft referenced above uses a warning light, external warning horn, and an audio system tone generator to warn the pilot of low rotor rpm. The capacitors used in the tone generator are no longer available from the manufacturer. During the research for suitable replacement parts, Enstrom learned from the manufacturer that the capacitors have a "shelf life". The capacitors need to be electrically charged every 20 - 30 days. Failure to electrically charge the capacitors can result in premature failure of the tone generator. If the capacitors in the tone generator fail, the pilot will not have the audio warning tone in the headset; however, the warning light and external warning horn will still function.

## NOTE

The F-28F and 280FX Rotorcraft Flight Manual, Section 4, VI and IX, provide procedures for determining if the low rotor warning system is functioning properly

This Service Information Letter provides a procedure for charging the tone generator capacitors if the aircraft is not operated frequently (every 20 - 30 days).

5. COMPLIANCE:

Electrically charge the tone generator capacitors if the aircraft is not operated frequently (every 20 - 30 days) using the following procedure:

- 5.1. Using either external power or battery power, turn on the master switch.

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- 5.2. Using the clutch handle, fully engage the clutch. Verify that the clutch disengaged warning light goes out and the low rotor warning light comes on.

### WARNING

**The collective trim spring capsule may cause the collective lever to move to the full up position when the collective friction is released. Ensure that the collective lever is restrained before releasing the collective friction.**

- 5.3. Release the collective friction and move the collective from the full down position. Verify that the low rotor warning tone is present in the headsets and the external warning horn is functioning.
- 5.4. Lower the collective to the full down position and apply collective friction.
- 5.5. Disengage the clutch.
- 5.6. Turn the master switch off and disconnect external power if applicable.
6. SPECIAL TOOLS: None
7. MAN-HOURS: .1 Man-hours
8. WARRANTY: None
9. WEIGHT CHANGE: None
10. LOG BOOK ENTRY:

Compliance with this Service Information Letter does not require a maintenance log book entry; however, Enstrom does recommend establishing a method for determining when the tone generator capacitors require charging in accordance with this Service Information Letter.

11. REPETITIVE INSPECTION: None