



# THE ENSTROM HELICOPTER CORPORATION

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## SERVICE INFORMATION LETTER

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SERVICE INFORMATION LETTER NO. 0166

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DATE: May 21, 2008

1. SUBJECT: Main Rotor Gearbox Bolt Retorque

2. MODEL: F-28A, F-28C, F-28F, 280, 280C, 280F, and 280FX

3. EFFECTIVITY:

F-Series, All (Serial Numbers 819 and Subsequent Complied With During Production)

280 Series, All (Serial Numbers 2133 and Subsequent Complied With During Production)

4. BACKGROUND:

Enstrom has determined that deterioration of epoxy primer in the area of the bottom cover attachment hardware may cause these fasteners to lose torque. This could result in leakage and fretting at the housing bottom cover.

This Service Information Letter (SIL) recommends the attachment bolt torque be checked if leakage is detected and during the next scheduled inspection.

Technical aspects of this SIL are FAA Approved.

5. COMPLIANCE:

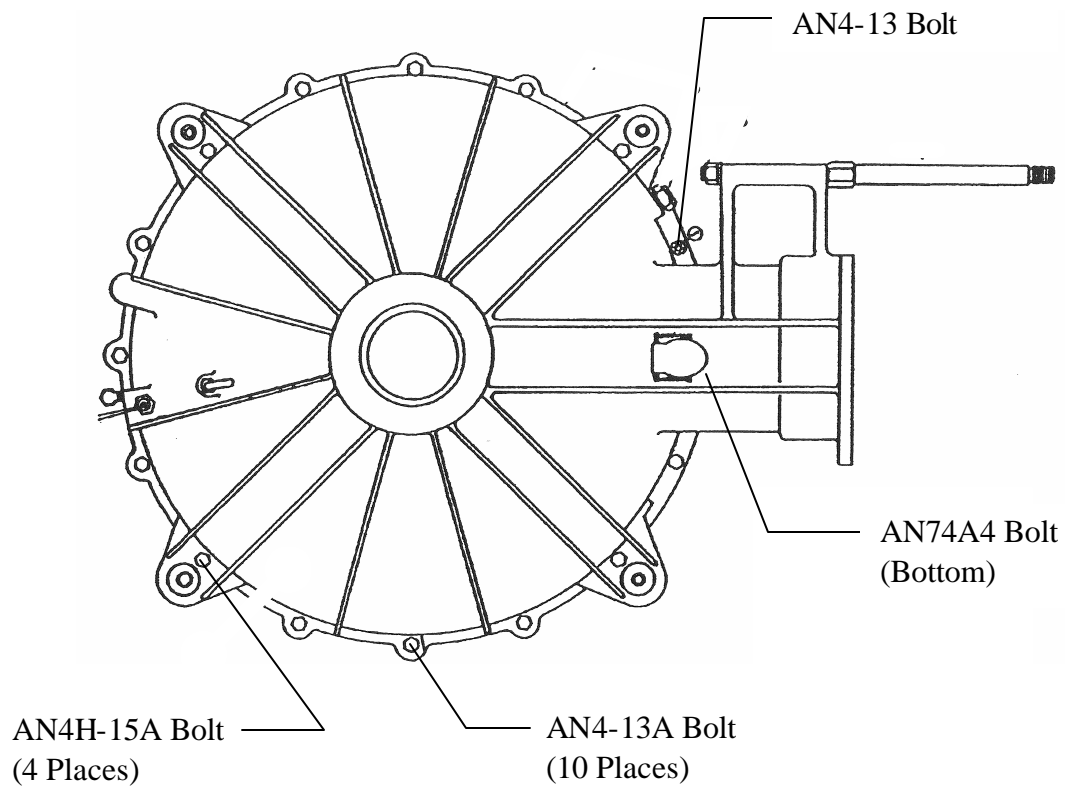
In order to preclude damage to components in the main rotor gearbox, Enstrom recommends inspecting and retorquing the main rotor gearbox bolts in accordance with the procedure provided in paragraph 5.1.

## 5.1. INSPECTION PROCEDURE:

**NOTE**

**Perform all maintenance IAW the applicable F-28/280 Series Maintenance Manual.**

- A. Defuel helicopter.
  - B. Remove tanks.
  - C. Locate the main rotor gearbox bottom cover attachment bolts (reference Figure 1).
  - D. Remove safety wire.
  - E. Remove lead seal as required and note on the component record card that the SIL was complied with and the lead seal was removed
  - F. Retorque each referenced nut and bolt to 100 in-lb.
  - G. Safety wire bolts.
  - H. If the torque has not changed, no further action is required.
  - I. If the torque has changed, retorque again at the next scheduled inspection.
- 5.2. PARTS: MS20995-C32 Safety Wire, As required.
6. SPECIAL TOOLS: None
7. MAN-HOURS: 2-4 Man-hours
8. WARRANTY: Per Enstrom New Helicopter Warranty policy.
9. WEIGHT CHANGE: None
10. LOG BOOK ENTRY: As required for maintenance actions.
11. REPETITIVE ACTION: See 5.1.I.



**Figure 1. Main Rotor Gearbox Attachment Bolts**