



SERVICE DIRECTIVE BULLETIN

SERVICE DIRECTIVE BULLETIN NO. 0131

Revision 1

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DATE: January 17, 2020

1. SUBJECT: Tail Rotor Control Cable Corrosion
2. MODEL: F-28A, F-28C, F-28C-2, F-28C-2R, F-28F, F-28F-R, 280, 280C, 280F, 280FX
3. EFFECTIVITY: All serial numbers, with exception of:
 F-28F: S/N 815 and subsequent
 280FX: 2088 and subsequent
4. BACKGROUND:

Enstrom had previously released SDB 0041 and SDB 0074 to address tail rotor cable corrosion problems in the engine compartment. In summary, SDB 0041 discussed replacing galvanized cables with stainless steel cables and SDB 0074 discussed prohibiting PVC tape for wrapping the cable ends.

The inspection and compliance content from those service directive bulletins is now incorporated into this SDB (0131). In addition, this SDB introduces inspection and compliance requirements pertaining to the tail rotor cable turnbuckle installation.

(Revision 1 corrects an administrative typographical error.)

5. COMPLIANCE:

NOTE: This SDB supersedes and cancels SDB 0041 and SDB 0074.

- 5.1 Tail Rotor Cable Inspection:

- 5.1.1 Within the next 10 hours or at the next scheduled inspection, inspect for the installation of PVC tape used to cover or wrap the exposed cable ends. The PVC tape must be removed. Continue to step 5.1.2.
- 5.1.2 Visually inspect the tail rotor cables and cable ends for evidence of corrosion and for broken strands. If evidence of corrosion and/or broken strands is detected, replace the tail rotor cables. Continue to step 5.1.3.
- 5.1.3 Visually inspect the turnbuckle hardware and cable ends for evidence of corrosion. If evidence of corrosion is detected, replace the corroded items, as applicable.

5.2 Galvanized Tail Rotor Cable Inspection:

NOTE: This inspection applies to models F-28C and 280C and the serial numbers listed in the following table. These aircraft were originally equipped from the factory with galvanized tail rotor cables.

For those serial numbers listed in the table that have stainless steel cables at this present time, those aircraft are exempt. (The stainless steel cable is identified by its darker gray color and relatively slight magnetic pull.)

Forward and Aft Cables	
F-28C	S/N 105, 304, 329, 331 through 366
280C	S/N 1007, 1020, 1023, 1025 through 1070, except 1028 and 1064
Forward Cables	
F-28C	S/N 367, 369, 373, 376, 378 and 379
280C	S/N 1071 through 1079, except 1074 and 1075

5.2.1 Within the next 10 hours or at the next scheduled inspection, visually inspect the tail rotor cables for evidence of corrosion. If evidence of corrosion is detected, replace the tail rotor cables.

5.3 Refer to Enstrom F-28F/280F Series Maintenance Manual for maintenance requirements regarding tail rotor cable installation and rigging.

5.4 Refer to SIL 0169, particularly paragraph 6, *Corrosion Severity Zone Identification* for information regarding operations in corrosive environments.

6. PARTS:

Refer to Service Information Letter SIL 0192.

7. SPECIAL TOOLS:

N/A

8. MAN-HOURS:

15 minutes (inspection)

9. WARRANTY:

Per Enstrom Warranty Policy

10. WEIGHT CHANGE:

N/A

11. LOG BOOK ENTRY:

As required for maintenance actions

12. REPETITIVE ACTION:

12.1 If the tail rotor cables are galvanized, visually inspect the tail rotor cables for evidence of corrosion at 10-hour intervals.

12.1.1 Replacing galvanized cables with stainless steel cables terminates the 10-hour inspection requirement.

12.2 If the tail rotor cable turnbuckles are located in the engine compartment, visually inspect the cable ends, turnbuckles, and hardware for evidence of corrosion at 50-hour intervals.

12.2.1 Moving the tail rotor cable turnbuckles from the engine compartment to the aft pylon area terminates the 50-hour inspection requirement.

12.2.2 For information about relocating the tail rotor cable turnbuckles, refer to Service Information Letter SIL 0192.

12.3 Visually inspect the tail rotor cables, cable ends, turnbuckles, and hardware for evidence of corrosion and inspect for broken strands at 100-hour intervals.