



SERVICE DIRECTIVE BULLETIN

SERVICE DIRECTIVE BULLETIN NO. 0130

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DATE: April 2, 2019

1. SUBJECT: Battery Hold Down Installation
2. MODEL: F-28A, 280, F-28C, F-28C-2, F-28C-2R, 280C, F-28F, F-28F-R, 280F, and 280FX
3. EFFECTIVITY: S/Ns equipped with the 28VDC electrical system
4. BACKGROUND:

Enstrom has discovered a cracking issue with the mounting tabs on the Concorde RG24-11M battery during installation (Figure 1). If the mounting hardware is over-torqued, this can result in the cracking of the tabs. To prevent the possibility of cracking and improve the strength of the tabs, the hold down that is supplied with the aircraft battery must be installed.



Figure 1. Cracked battery mounting tab

This Service Directive Bulletin (SDB) provides instructions for installing the metal hold down onto the Concorde battery.

5. COMPLIANCE:

At the next 100 hr/annual inspection, check the battery mounting tabs for signs of cracking (Figure 1). If cracks are present, the battery cover must be replaced and the hold down installed at that time. If no cracks are present, install the hold down onto the battery in accordance with paragraph 6.

6. PROCEDURE:

NOTE: Perform installation in accordance with the latest revision of Concorde Document 5-0324, RG® Series Aircraft Battery Owner/Operator Manual.

NOTE: Perform all maintenance in accordance with the applicable Enstrom F-28/280 Series Maintenance Manual (MM).

- 6.1 Remove the right side step access panel to access the battery.
- 6.2 Remove the safety wire and battery mounting hardware.
- 6.3 Line up the outer holes of the metal hold down with the holes in the battery mounting tabs (Figure 2).



Figure 2. Hold down lined up with mounting tab holes

- 6.4 Reinstall the mounting hardware (Figure 3). Tighten the hardware until the rod assembly and washer contact the hold down and then make one full turn after contact.
- 6.5 Replace the safety wire (Figure 3).
- 6.6 Reinstall the step access panel.



Figure 3. Battery hold down installed

7. PARTS:
Concorde Battery RG24-11M Hold Down, Part No. 9771 (supplied with battery kit)
8. SPECIAL TOOLS: N/A
9. MAN-HOURS: 10 minutes
10. WARRANTY: Per Enstrom Warranty Policy
Over-torquing the hardware to the point of the battery mounting tabs showing signs of cracking is considered improper maintenance. Improper maintenance is not covered by the Enstrom Warranty.
11. WEIGHT CHANGE: Negligible
12. LOG BOOK ENTRY: Record modification in the maintenance log book.
13. REPETITIVE ACTION: N/A