



SERVICE DIRECTIVE BULLETIN

SERVICE DIRECTIVE BULLETIN NO. 0129

Revision -
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DATE: January 22, 2019

1. SUBJECT: Air Filter Container Door Hinge Pins
2. MODEL: F-28A, 280, F-28C, F-28C-2, F-28C-2R, 280C, F-28F, F-28F-R, 280F, and 280FX
3. EFFECTIVITY: All
4. BACKGROUND:

Enstrom has been made aware of a potential issue with the air filter container backfire and alternate air door hinge pins. There is a possibility that the hinge pins may become dislodged during flight, causing an impairment of air flow to the engine. Installation of the hinge pins must be modified to prevent the pins from escaping.

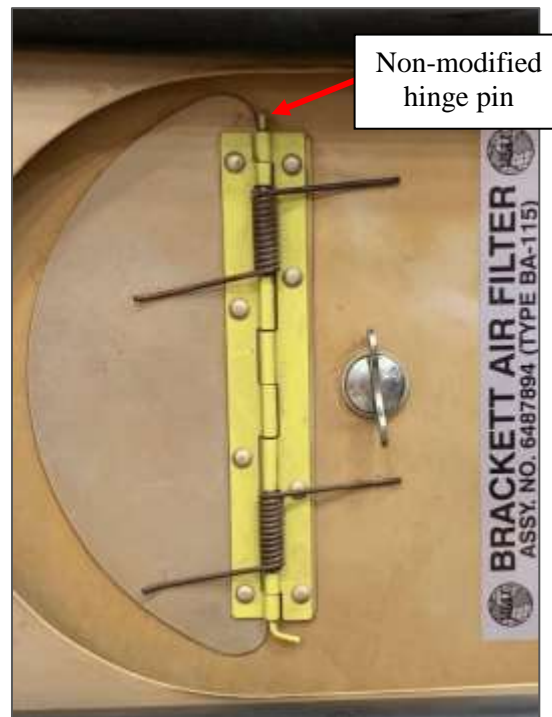


Figure 1. Backfire door hinge pin (Non-modified)

This SDB (Service Directive Bulletin) provides instructions for bending the end of the backfire and alternate air door hinge pins.

5. COMPLIANCE:

At the next 100 hr/annual inspection, modify the backfire and alternate air door hinge pins in accordance with paragraph 6. If the mechanic determines that the hinge pin is adequately captured by an alternate technique (such as crimping both ends of the hinge), he may sign off this SDB as being complied with via an alternate means of retention.

6. PROCEDURE:

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

6.1 Open the aircraft side panel to access the air filter container assembly (Figure 2).



Figure 2. Air filter container assembly

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- 6.1.1 On F-28A and 280 aircraft, the air filter container assembly is located on the belly panel (Figure 3). The belly panel must be removed in order to make modifications to the door hinge pins.



Figure 3. A Model air filter container assembly

- 6.2 Remove the air filter container cover to access the backfire door.
- 6.3 Using a pair of pliers, bend the end of the backfire door hinge pin a minimum of 30 degrees to prevent the pin from escaping (Figure 4).



Figure 4. Backfire door hinge pin (Modified)

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- 6.4 Remove the air filter cover and remove the filter (Figure 5) to access the alternate air door hinge pin.



Figure 5. Air filter

- 6.5 Using a pair of pliers, bend the end of the hinge pin a minimum of 30 degrees to prevent the pin from escaping (Figure 6).

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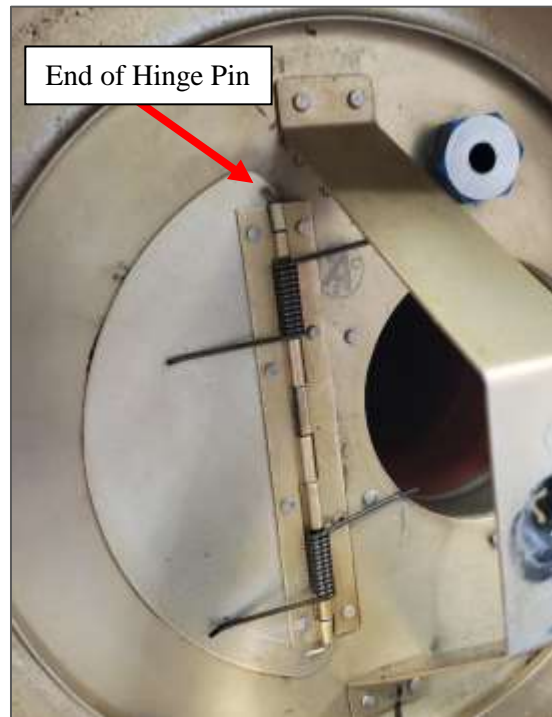


Figure 6. Alternate air door hinge pin

- 6.6 Replace the air filter and re-install the air filter cover.
 - 6.7 Re-install the air filter container cover.
 - 6.8 Close the aircraft side panel or re-install the belly panel (A models only).
7. PARTS: None
 8. SPECIAL TOOLS: N/A
 9. MAN-HOURS: 15 minutes
 10. WARRANTY: Per Enstrom Warranty Policy
 11. WEIGHT CHANGE: None
 12. LOG BOOK ENTRY: Record modification in the maintenance log book.
 13. REPETITIVE ACTION: N/A