

**FAA APPROVED**  
**AIRPLANE FLIGHT MANUAL**  
**SUPPLEMENT**  
**FOR THE**  
**INSIGHT SF-2000**  
**STRIKEFINDER**  
**DIGITAL WEATHER AVOIDANCE SYSTEM**  
**WHEN INSTALLED IN**

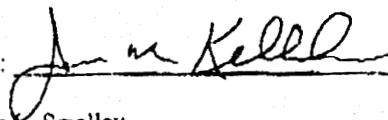
MODEL: \_\_\_\_\_

SER. NO: \_\_\_\_\_

REG. NO: \_\_\_\_\_

This Supplement must be attached to the FAA approved Airplane Flight Manual when the Insight Model SF-2000 Strikefinder system is installed in accordance with STC SA00712CH. The information contained herein supplements or supersedes the basic Flight Manual only in those areas listed herein. For Limitations, Procedures and Performance information not contained in this supplement, consult the basic Airplane Flight Manual.

FAA Approved:



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## **SECTION I. - GENERAL SYSTEM DESCRIPTION.**

The Insight SF-2000 Strikefinder system consists of a panel mounted Display/Processor and an external mounted Sensor/Antenna. The system will detect atmospheric electrical disturbances within a 200 nm radius of the aircraft. The disturbance/thunderstorm will be displayed relative to the aircraft's position if the system is connected to the aircraft's Compass system. If the Compass system should fail, an error message will be displayed but the SF-2000 system will still be functional.

With power applied to the SF-2000 Strikefinder, it will display thunderstorm information even if the aircraft is on the ground. With this information, the pilot can plan departure operations before take-off. Thunderstorms will be displayed by groups of dots on the display. The pilot should avoid flying towards the direction of the dots.

## **SECTION II. - LIMITATIONS.**

1. The SF-2000 User's Guide (Drawing No. 2000-01, dated November 15, 1991 or later approved revision) must be immediately available to the flight crew whenever use of the system is predicated.
2. Never use the SF-2000 Strikefinder to penetrate thunderstorms.

## **SECTION III. - EMERGENCY/ABNORMAL PROCEDURES.**

1. If the SF-2000 Self Test detects a failure, a 1, 2 or 3 character message will be displayed on the screen. As long as one of these codes is displayed, the unit is inoperable. Note the codes for troubleshooting purposes. Monitor the display, if the "Walking Dot" test status annunciator resumes, the unit is probably functioning normally.

**SECTION IV. - NORMAL PROCEDURES.**

1. Normal operating procedures are outlined in the SF-2000 User's Guide (P/N: 2000-01, dated November 15, 1991 or later approved revision).
2. A system "Self Test" is performed immediately on power-up and continuously every minute there-after. The presence of the "Walking Dot" indicates the system has passed the Self Test.
3. The two center buttons on the face of the Display controls the range of coverage. Successive pushes of the left center button decreases the range to a minimum of 25 nm. Successive pushes of the right center button increases the range to a maximum of 200 nm. The displayed range is annunciated in the lower left corner of the display.
4. To clear and update the screen, push the right most button.

**SECTION V. - PERFORMANCE.**

No change.