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Subject: CEN21LA351 - (Rushville, NE) - MGL Stratomaster Xtreme
Date: Tuesday, January 25, 2022 7:43:26 AM
Attachments: [stratomaster1.jpg](#)
[FlightLogScreen.jpg](#)

Email Report Instructions

The narrative and attachments from this email report may be used in other reports at the discretion of the IIC. This email, including attachments (if applicable), should also be placed in the public docket by the IIC.

Email Report

The Vehicle Recorder Division received one MGL Stratomaster Xtreme, serial number 1301174. A photo of the device is attached as stratomaster1.jpg.

MGL Stratomaster Xtreme

The devices sustained no obvious impact damage. As shown in stratomaster1.jpg, the device's SD card slot was not occupied. The device was powered on a test bench using a DC power supply. The device's time was shown when booted, the device's time displayed January 6, 1980. The device's menus were explored and remnants of digital flight logs were found. These log files were exported to a surrogate SD memory card which was inserted on the lab bench. These flight logs contained only the following parameters: flight duration, pilot number, max altitude, max airspeed, minimum and maximum vertical speed, and Hobbs time. In general, these time stamps were stamped as being from 2014 to 2016. The last log file was dated as 00/00/2020 and contained the following values: flight duration – 00:12, maximum altitude 8030 feet, maximum airspeed 211 mph, maximum vertical speed per minute 990 feet per minute, minimum vertical speed per minute -2040 feet per minute, Hobbs time 707.5 hours (maximum Hobbs time recorded of all sessions displayed on the unit).

The "Flight Log" screen was explored. A picture of the "Flight Log" screen is attached as "FlightLogScreen.jpg". The flight detect parameter was found to be set to "manual" as opposed to "automatic". The manual describes the manual setting to "start and stop" the recordings. Alternatively, the manual further describes automatic operation as using either a minimum RPM value, or a minimum airspeed value, to start or stop a log.

Additionally, the manufacturer was contacted to verify if the unit stored detailed flight logs without an SD card inserted. The manufacturer stated that without an SD card installed during the accident flight, detailed flight logs were not capable of being stored.

MGL Stratomaster Xtreme Recovered Data

No data, other than maximum and minimum flight parameters listed above, were recovered from the unit. The unit only stores internally, logs that contain the maximum and minimum values discussed above. Without an SD card installed, the unit does not record detailed flight logs.

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XTreme

FLIGHT LOG

EXPORT FLIGHT LOG TO SD CARD (.LOG)
EXPORT FLIGHT LOG TO SD CARD (.CSV)
VIEW FLIGHT LOG
ERASE FLIGHT LOG
PILOT NUMBER: 0
FLIGHT DETECT: **MANUAL**

EXIT

BACK



MGL
Avionics

Stratamaster
XTreme



