

NATIONAL TRANSPORTATION SAFETY BOARD

Vehicle Recorder Division
Washington, D.C. 20594

October 1, 2019

Electronic Flight Instrument System Device

Specialist's Factual Report
By Deven Chen

EVENT SUMMARY

Location: Winters, California
Date: April 13, 2019
Aircraft: Europa XS
Registration: N120EJ
Operator: Private
NTSB Number: WPR19LA108

On April 13, 2019, about 1145 Pacific daylight time, a Stockton Richard Europa XS, N120EJ, was substantially damaged during the landing roll following a forced landing in Winters, California. The airline transport pilot was seriously injured. The airplane was registered to and operated by the pilot as a personal flight, conducted under the provisions of Title 14 Code of Federal Regulations Part 91. Visual meteorological conditions prevailed, and a flight plan was not filed for the local flight, which departed Yolo County Airport (DWA), Davis, California at 1040.

GROUP

A group was not convened.

DETAILS OF INVESTIGATION

The National Transportation Safety Board (NTSB) Vehicle Recorder Division received the following Electronic Flight Instrument System (EFIS) device:

Device Manufacturer/Model:	MGL Avionics Stratomaster Voyager
Serial Number:	OD100500615

Device Description

The Stratomaster Voyager is an Electronic Flight Instrument System (EFIS), one of the Enigma series of MGL Avionics. The device integrates functions of GPS and engine monitoring. The unit displays to the pilot several engine and airplane systems on an 8.4-inch screen. The information presented on the display is the aircraft's altitude, airspeed

and engine fuel quantity. Additionally, the unit displays engine data such as engine RPM, cylinder head temperature and engine exhaust temperature. The unit also automatically keeps track of the current airborne flight time and creates a log file for each flight. The log file contains the flight time, engine total time, the maximum altitude and airspeed obtained during the flight and any exceedance that may have been reported during the flight.

Data Recovery

Upon arrival at the Vehicle Recorder Division, an exterior examination revealed no visible damage to the device, as shown in Figure 1, and the device had a SD card mounted on its front panel. The device powered on normally. However, a .rec file which stores all the flight data was not in the SD card, nor in the device's internal solid-state disk. No accident related data were recovered from the device.



Figure 1. Front and back of MGL Avionics Stratomaster Voyager as received