

NATIONAL TRANSPORTATION SAFETY BOARD

Vehicle Recorder Division
Washington, D.C. 20594

February 22, 2022

Display Unit

Specialist's Factual Report By Michael Portman

1. EVENT SUMMARY

Location: Jacksonville, Florida
Date: December 16, 2020
Aircraft: Embraer EMB-500
Registration: N661EP
Operator: Executive Aviation Investors Inc.
NTSB Number: ERA21LA077

2. COCKPIT DISPLAY GROUP

A cockpit display group was not convened.

3. DETAILS OF INVESTIGATION

The National Transportation Safety Board (NTSB) Vehicle Recorder Division received the following device:

Display Manufacturer/Model: **Garmin GDU 1240A**
Display Serial Number: **18T005066**

3.1. Garmin GDU 1240A Description

According to the Garmin GDU 1240A installation manual, document 190-00303-14 Revision H, "The GDU 1240A provides a central display and user interface for the Garmin Integrated Flight Deck... A GDU 1240A can be configured as either a Multi Function Display (MFD) or Primary Flight Display (PFD)." Additionally, the 1240A can provide flight instrument, navigation instrument, and system interface functions. The unit contains an SD card slot which can be used to store flight data, specifically data from the aircraft's central maintenance computer (CMC).

3.1.1. Display Condition

The display unit was in good condition and the data were extracted normally from the accompanying SD card.

3.1.2. Recording Description

The display contained various navigational and CMC related data files. The retrieved 1,419 CMC data files were sent to the aircraft manufacturer for decoding and conversion. Upon review of the decoded data, it was determined that no event pertinent information was recorded beyond that already recorded on the flight data recorder (FDR).¹

¹ For information on the flight data recovered from the FDR, refer to the *Flight Data Recorder - Specialist's Factual Report*.