

National Transportation Safety Board

Office of Research and Engineering

Washington, DC 20594



WPR23LA150

COCKPIT DISPLAY

Specialist's Factual Report

August 15, 2023

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A. ACCIDENT

Location: Ashland, Oregon
Date: April 7, 2023
Time: 1655 pacific daylight time (PDT)
Airplane: Compagnie Daher TBM 700, N6924G

B. COCKPIT DISPLAY SPECIALIST

Specialist: Gerald Kawamoto
Recorder Specialist
National Transportation Safety Board (NTSB)

C. DETAILS OF THE INVESTIGATION

A group was not convened. The NTSB Vehicle Recorder Division received the following device. The part number and serial number were not identified due to the damage sustained to any potential identifying labels.

Recorder Manufacturer/Model: Garmin G3000 (MFD)
Recorder Serial Number: Unknown

1.0 Device Description

The Garmin G3000 is an integrated flight control system that can present flight instrumentation, position, navigation, communication, and identification information to the flight crew using flat-panel color displays and a touchscreen user interface. The system consists of Line Replaceable Units (LRUs) and can be utilized as a Primary Flight Display (PFD) or Multi-Function Display (MFD), depending on how the unit is integrated with the other compatible avionics. Each unit is capable of recording data via an externally mounted SD card in the top slot on the right side of the display.

1.1 Data Recovery

The device sustained extensive fire damage, as shown in figure 1, rendering it inoperable. The SD cards from the right slots, shown in figure 2, as well as an internally mounted microSD card, shown in figure 3, sustained extensive fire damage. The extent of the damage precluded any recovery effort, thus no data were recovered.¹

¹ Non-volatile memory (NVM) is semiconductor memory that does not require external power for data retention.



Figure 1. Front and back of the Garmin MFD as received.

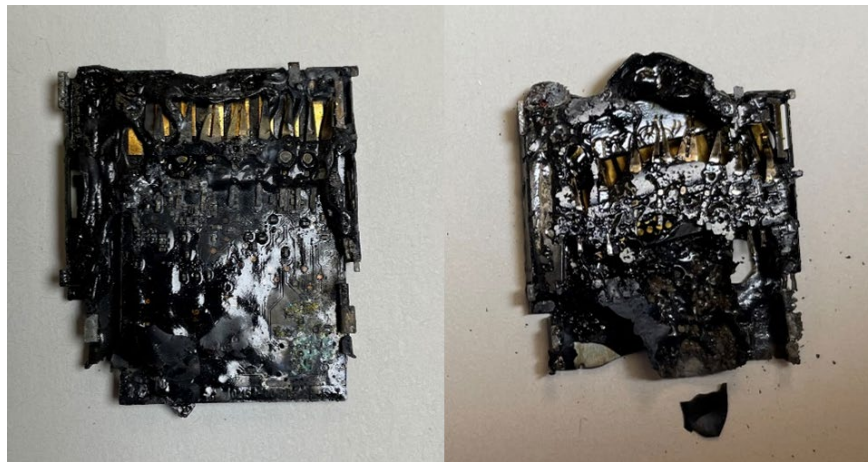


Figure 2. SD cards from right slots.

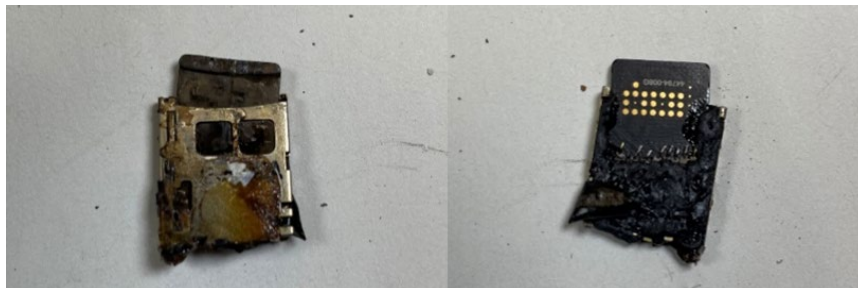


Figure 3. Front and back of the internally mounted microSD card.

Submitted by:

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