

National Transportation Safety Board

Office of Research and Engineering

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WPR22FA197

BENDIX KING AV8OR GPS

Specialist's Factual Report

December 16, 2022

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A. ACCIDENT

Location: Oceanside, CA
Date: June 6, 2022
Time: 1347 PDT
Airplane: Cessna 208B, GoJump, N7581F

B. BENDIX KING AV8OR GPS SPECIALIST

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C. DETAILS OF THE INVESTIGATION

A GPS device group was not convened.

The NTSB Vehicle Recorder Division received the following Devices:

Recorder Manufacturer/Model: Bendix King AV8OR
Part Number: 066-01207-0099
Recorder Serial Number: AA012827

Device Manufacturer/Model: GoRam 512mb SD Card
Part Number: SD-512MB-KO

1.0 AV8OR GPS Description

The Bendix King AV8OR is a handheld GPS receiver with a color touch screen interface. It can display both aviation and ground transportation maps. The GPS has a slot for connecting an SD Card and is able to record time, date, location, altitude and ground speed to a log file at varying sample rates up to 1hz.

1.1 AV8OR GPS Data Recovery

Upon arrival at the NTSB's vehicle recorder laboratory the AV8OR GPS was in good condition with an SD card installed in the card slot. The as-received condition of the device is shown in figure 1. The GPS contained a lithium battery that would not hold a charge, consistent with the device not having been used recently. The GPS was unable to boot from USB power alone, so a bench power supply was connected to the battery connector on the back of the device, which enabled the unit to power on fully as shown in figure 2. The data were downloaded using the manufacturer's procedure.



Figure 1. Bendix King AV8OR GPS, as received by the Vehicle Recorder Lab.

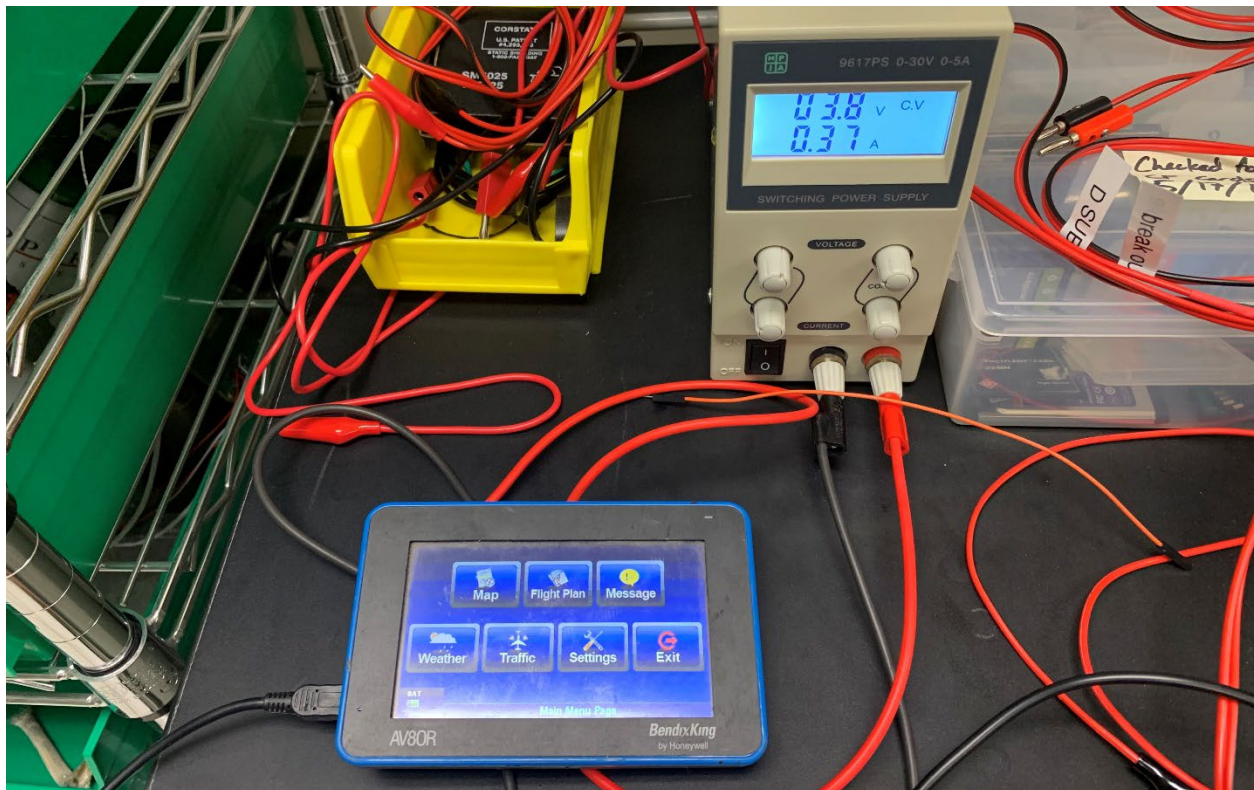


Figure 2. AV8OR GPS connected to a bench power supply and ready to read out data.

1.2 AV8OR GPS Recording Description

The data extracted included information from December 4, 2013 through January 28, 2019. The event occurred on June 3, 2022. There were no data pertinent to the event recorded on the device.

2.0 GoRam SD Card Description

The GoRam SD Card is a removable non-volatile SD memory card used to store and transfer data, and commonly used in computers, cameras, and avionics systems. This SD Card was found in the plane, separate from the AV8OR GPS.

2.1 GoRam SD Card Data Recovery

The GoRam SD Card was in physically good condition, but failed to read out on lab equipment.



Submitted by:

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