

National Transportation Safety Board

Office of Research and Engineering

Washington, DC 20594



CEN24FA327

ELECTRONIC DEVICE

Specialist's Factual Report

November 8, 2024

A. ACCIDENT

Location: Wayne, Nebraska
Date: August 26, 2024
Time: 0931 central daylight time (CDT)
1431 coordinated universal time (UTC)
Airplane: Piper PA-28-140, private operator, N9626K

B. ELECTRONIC DEVICE SPECIALIST

Specialist: Steven Smith
Mechanical Engineer (Recorder Specialist)
National Transportation Safety Board (NTSB)

C. DETAILS OF THE INVESTIGATION

A group was not convened. The NTSB Vehicle Recorder Division received a secure digital (SD) card from the following electronic device:

Recorder Manufacturer/Model: Bendix King AV8OR
Part Number: Unknown
Recorder Serial Number: Unknown

1.0 Bendix King AV8OR Description

The Bendix King AV8OR is a portable global positioning system (GPS) unit designed for both automotive and aviation environments. It is capable of storing a detailed tracklog, including latitude, longitude, date, time, GPS altitude, and groundspeed information, within the unit whenever the receiver has a lock on the GPS navigation signal. All recorded data is stored in non-volatile memory.¹ Communication to the device is provided by a built-in USB port.

1.1 Bendix King AV8OR Data Recovery

The Bendix King AV8OR SD card was in good condition and was able to connect to laboratory computers. The data were downloaded normally using a forensic card reader. Figure 1 shows the SD card that was removed from the unit by the investigator in charge and sent to the NTSB Vehicle Recorder Laboratory.

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



Figure 1. SD card as received by the NTSB Vehicle Recorder Laboratory.

1.2 Bendix King AV8OR Recording Description

The data extracted included information from January 2, 2005, through August 10, 2024. The event occurred on August 26, 2024. There were no data pertinent to the event recorded on the device.

Submitted by:

Steven Smith
Mechanical Engineer (Recorder Specialist)