

NATIONAL TRANSPORTATION SAFETY BOARD

Vehicle Recorder Division
Washington, D.C. 20594

August 23, 2017

Engine Monitor

Specialist's Factual Report
By Bill Tuccio, Ph.D.

1. EVENT SUMMARY

Location: Port Orange, Florida
Date: December 27, 2016
Aircraft: Epic LT
Registration: N669WR
Operator: Private
NTSB Number: ERA17FA074

2. GROUP

A group was not convened.

3. DETAILS OF INVESTIGATION

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

Device Manufacturer/Model:	Electronics International MVP-50
Serial Number:	Unknown

3.1. Device Description

The Electronics International MVP-50 is an engine monitor capable of recording engine parameters.

3.2. Device Condition

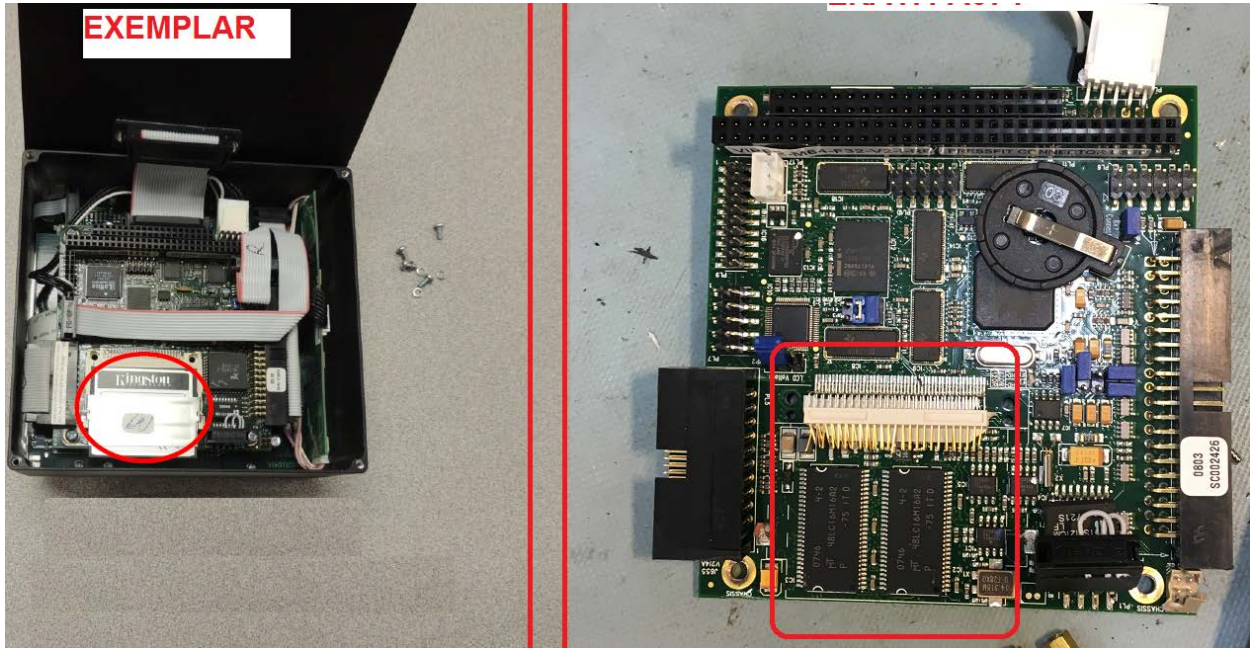
Upon arrival at the Vehicle Recorder Laboratory, an examination revealed the unit had sustained significant impact damage. Figure 1 shows the unit as received; when received, the back of the housing was missing. The interior components of the accident unit MVP-50 were compared to an exemplar MVP-50, as shown in figure 2, indicating the accident

unit was missing its internal non-volatile memory¹ compact flash card. The Investigator-in-Charge confirmed the compact flash card was not found in the wreckage.

Figure 1. MVP-50 as received with back of housing missing.



Figure 2. Comparison of Exemplar MVP-50 (left) to accident MVP-50 (right).



¹ Non-volatile memory is memory which does not require power to retain information.

3.3. Data Description

The MVP-50 records all historical information to an internal compact flash card; because this card was not found, it was not possible to recover any historical data.