

FREEFLIGHT SYSTEMS

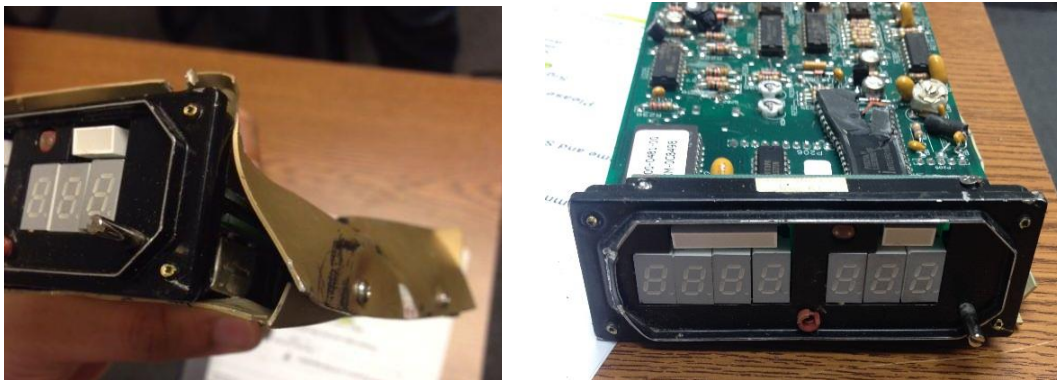
Irving, Texas

April 16, 2015

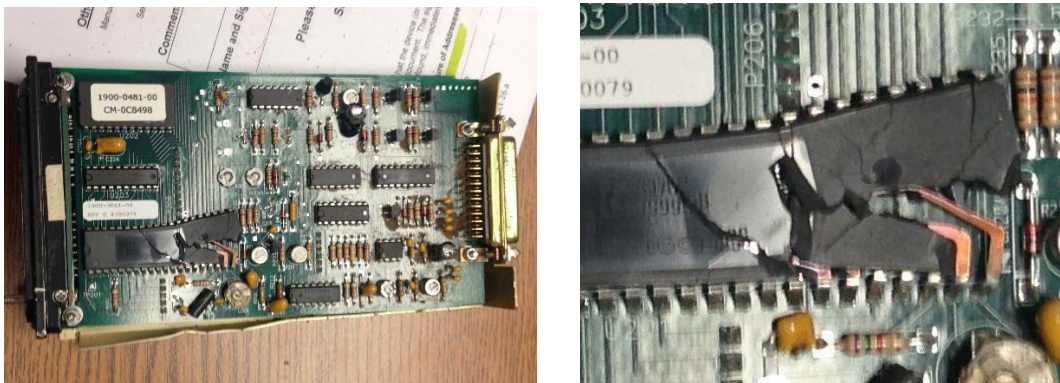
Reference: Examination of Radar Altimeter from CEN15FA171 – N919EM at Eufaula, OK

Freeflight Radar Altimeter (*p/n 1901-3040-00; s/n 5302085*) was received in a sealed box from the NTSB at the Freeflight Systems facility in Irving, Texas. On the morning of April 16, 2015, the sealed box was opened in the presence of Matt Rigsby, FAA AVP-100, and Behlul J Poonawalla - Engineering Manager for Freeflight.

The unit was photographed as received. On initial examination it was obvious that the unit was severely impact damaged.



Several key components such as the circuit card assembly, including solder mask, PCB layers, and associated traces had severe impact damage and there was some water damage. Further, the front display and the main multiplexer/processor were damaged.



Evaluation showed that powering up the unit would cause further damage; it was not fit for any kind of testing; and a download of any non-volatile memory (NVM) was not possible. Therefore, it was not further examined and the damaged unit was returned for storage with the rest of the main aircraft wreckage of N911EM.