



MEMORANDUM

Daniel P. Boggs
Air Safety Investigator
National Transportation Safety Board
Office of Aviation Safety - Eastern Region

ERA19LA253/100115

Examination of N735D took place on 10/8/19.

Examination of the electrical system revealed that the connectors of both positive and negative leads were found detached from both batteries. It was noticed that the neither one of the connectors were crimped properly. It was also observed that the negative lead was taped with black electrical tape to hold the wire in place. The wires were extended by using a nut and bolt to connect the extension wire to the original wire and black electrical tape was used to isolate the wiring.

Due to impact damage. Many wires were pulled from the instrument panel, switches were fractured, and relays were broken.

The battery terminals were reinstalled onto the wires and installed on the battery post. The master switch was turned on and a relay was heard to energize but power was not available to the entire electrical system. An engine run could not be performed on this airplane due to damage to the electrical system; however, the engine was turned over by using the starter. Oil pressure was observed but the electronic ignition was not operational.

The spark plugs were removed, and thumb compression was observed on all cylinders.

Dan Boggs
Air Safety Investigator
NTSB