

Engine Control Unit Examination and Data Download
Triumph Engine Control Systems
November 1, 2016

Attendees:

Triumph ECS

Trevor J. Lewis
Manager, Reliability &
Safety Engineering

Dennis McBrine
Senior Systems Engineer

Robert D. Niebanck
Systems & Software
Engineering Team Lead

John T. Robinson
Manager, Program Quality

Salvatore Vinci
Sr. Product Support
Engineer

Carl Gorman
Sr. EE/In-Service Group

FAA

Thomas G. Bezanson
Aviation Safety
Inspector

Rolls-Royce

Nicholas P. Shepler
Air Safety Investigator

All attendees met at Triumph Engine Control Systems located at Charter Oak Boulevard, West Hartford Connecticut.

All attendees gathered in a teardown room where attendees from Triumph Engine Control Systems described the unit, gave a brief description of their operation and a plan for the data download. Mr. Shepler gave a brief presentation of the events of the accident and the investigation.

The Engine Control Unit was removed from a secured locker. It had already been unpacked. All electrical connection receptacles were capped, and there was no obvious damage to the unit. Photos were taken of the unit by Triumph personnel.

The following information was recorded off the data plate:

Model: EMC-35R
Rolls-Royce Part Number: M250-10696
Triumph Part Number: 115220-2A5-24
Serial Number: JG9ALK0589

The unit was then moved to the electrical lab. The following Triumph Technician was assigned to the team to download the data:

Sue Moriarty (Electronics Technician)

A successful download of the data was completed without having to disassemble the unit.

Dennis McBrine gave a verbal explanation of the downloaded data. To summarize, the data shows that the unit was operating normally. It was discussed at the end of the meeting that Rolls-Royce will be providing a summarized report of the data and Triumph Engine Control Systems will be providing a detailed report of the data to the NTSB.

A sticker was attached to the unit that stated "Not for Flight" and was returned to the secured locker.

Tom Bezanson
Principal Maintenance Inspector
Federal Aviation Administration
Flight Standards District Office
1699 King Street, Suite 210
Enfield, CT 06082

Office:

Email: