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Date: February 12, 2026
Subject: WPR26LA072 Video Description of ECU Test
Contact: Viking Aircraft Engines-Email

The ECU (Engine Control Unit) was removed from the airplane by the owner, which was packaged and shipped to the engine manufacturer (Viking Aircraft Engines), in Edgewater, Florida. A video link was sent to me (Investigator-in-Charge) by the engine manufacturer on February 12, 2026.

The video starts off by company employees showing an exemplary engine on a test stand and an exemplar ECU that is connected through two cable connectors. The engine starts and idles for a few seconds before it is shutoff. The package from the owner is undamaged and sealed, and the shipping label is visible. The package is opened and the accident airplane's ECU is examined by the employees. The ECU is undamaged and is smelled by two of the employees who say they don't smell anything. The ECU is then attached to the exemplar engine through the same two cable connectors, which are then connected with some force. The engine started with little hesitation and idled smoothly for about 14 seconds. The engine was then shut down normally by the employee. The engine was restarted and had some erratic RPM for a couple of seconds before the employee increased RPM momentarily by pulling the engine throttle linkage. Subsequently, the engine ran smoothly at idle for 7 seconds and was shut down normally.

The ECU was shipped back to the airplane owner.