

**NATIONAL TRANSPORTATION SAFETY BOARD**  
Vehicle Recorder Division  
Washington, D.C. 20594

August 18, 2015

## **Electronic Control Units**

**Specialist's Factual Report**  
**By Ben Hsu**

### **1. EVENT SUMMARY**

Location: Penwell, Texas  
Date: January 14, 2015  
Vehicle: 2015 Bluebird Prison Transport Bus  
VIN: 1BAKJCPA4FF [REDACTED]  
Vehicle Operator: Texas Department of Criminal Justice  
NTSB Number: HWY15MH004

For a summary of the crash, refer to the *Crash Summary Report* in the docket for this investigation.

### **2. DETAILS OF DEVICE INVESTIGATION**

The National Transportation Safety Board (NTSB) Vehicle Recorder Division received the following electronic control units (ECU):

Device 1:	Bendix ABS ECU
Device 1 Serial No.:	MI0M03140579
Device 2:	Allison Transmission ECU
Device 2 Serial No.:	62CR00XN

The Bendix ABS ECU exhibited minor damage to its outer metal casing due to impact (Figure 1). The device was imaged by Bendix engineers under the observation of NTSB staff. No accident-related data was recorded by the ECU.

The Allison Transmission ECU arrived in good condition. Engineers at Allison were consulted and it was determined that the ECU contained no time-stamped data relevant to the investigation.



Figure 1: Bendix ABS ECU (Serial No. MIOM03140579)



Figure 2: Allison Transmission ECU (Serial No. 62CR00XN)