

NATIONAL TRANSPORTATION SAFETY BOARD

Vehicle Recorder Division
Washington, D.C. 20594

August 27, 2013

Airbag Control Module

Specialist's Factual Report

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1 EVENT SUMMARY

Location: Mount Vernon, Washington
Date: May 23, 2013
Vehicle: Subaru XV Crosstrek
VIN¹: JF2GPACC8D2XXXXXX
Case Number: HWY13MH012

2 DETAILS OF DEVICE INVESTIGATION

The NTSB Vehicle Recorder Division received the following device:

Manufacturer/Model: **Denso Airbag Control Module**
Serial Number: **XRR1P093725**

The Denso Airbag Control Module was damaged by submersion in water (Figure 1). The device was examined using laboratory hardware and software with assistance from Subaru of America.

2.1 Airbag Control Module Description

The Airbag Control Module is part of an automobile's airbag system. Depending on vehicle, the module may be capable of recording data when triggered by an airbag deployment or near-deployment. Typically 5 seconds of pre-collision and 5 seconds of post-collision data is recorded when triggered. Parameters recorded vary by installation but may include vehicle speed, engine speed, brake application, throttle position, seatbelt usage, and airbag performance.

2.2 Airbag Control Module Data Description

The Airbag Control Module could not be imaged due to the damage to the device. Therefore, no data was recovered.

¹ VIN – Vehicle Identification Number

