



Department of the Environment
Vehicle Emissions Inspection Program

Training Class Information

Course Descriptions for March 2013 Training

OBD II Evaporative Emission Control System (EECS) Monitoring: Operation and Diagnosis/Repair Verification (8:30 AM—12:30 PM)

This workshop details applicable OBD regulations and respective monitoring strategies used by vehicle OEMs including the Fuel Tank Vapor Pressure Fluctuation, Purge Pressure Differential, Leak Pump and Engine off Natural Vacuum detection methods.

Generic and manufacturer specific DTCs for the different monitoring strategies are identified.

Supporting lab exercises are designed to clarify single trip and two trip EECS DTC operation and to familiarize the workshop participant with general and specific diagnostic and repair verification procedures.

Vehicle Communication and Multiplexing: Operation, Fault Diagnosis & Repair Verification (1:30 PM — 5:30PM)

This course will cover normal operation of CAN (controller area network) communication networks and how it issued to share information between automotive control modules. It will also cover the diagnosis and repair of various CAN system faults including: Uxxx communication codes, open circuits, shorts to ground, shorts to power, and faulty control modules. Upon completion the technicians will be able to better understand CAN operating logic, diagnose CAN system failures resulting in no communication with the scan tool and circuit malfunctions.

Dates:

Friday	March 22, 2013	8:30 - 12:30 and 1:30 - 5:30
Saturday	March 23, 2013	8:30 - 12:30 and 1:30 - 5:30

Please contact Margie Wise with MDE to register for **one or both courses**. She may be reached at (410) 537-3197 or by e-mail mwise@mde.state.md.us. For directions to the Lincoln Technical Institute, 9325 Snowden River Parkway, Columbia, Md 21046 or please visit the following website . [Directions](#) or call (410) 290-7100