



## Vehicle Emissions Inspection Program

# Course Descriptions for the February 2009 Training

### **OBD II Misfire Monitor: Operation, Diagnosis and Repair Verification**

This four hour workshop identifies generic and manufacturer specific misfire DTCs for the Crankshaft Fluctuation and Secondary Voltage Ion detection methods. Misfire monitor strategies are discussed along with diagnosis and repair procedures. Supporting lab exercises are designed to clarify single trip and two trip misfire DTC operation and to familiarize the workshop participant with general and specific diagnostic and repair processes.

#### **Course Focus:**

- Misfire Monitor Operation
- Misfire DTCs
- DTC Operation
- Scan Tool Retrieval of Misfire Data
- EECS Diagnosis and Repair Verification Procedures

### **OBD II Readiness Codes: Purpose, Operation & Use in Repair Verification**

This four hour workshop details the purpose and operation of Readiness Codes in OBD II vehicles. Specific focus on how Readiness Codes should be used for OBD II system repair verification is supported in classroom discussion and on-vehicle lab exercises.

#### **Course Focus:**

- Purpose of Readiness Codes
- Readiness Code Operation and their relation to continuous and non-continuous monitors.
- Readiness Codes and Scan Tool Displays
- Scan Tool Retrieval of Readiness Codes
- The Role Readiness Codes Play in Diagnosis and Repair Verification

**Special Note: Workshop participants are invited to bring their own OBD II compliant scan tool for use during the lab exercises.**

#### **To Register:**

Both courses will held on Friday, February 27 and Saturday, February 28 . The Misfire Monitor course from 8am - 12pm, and the Readiness Codes course from 1pm - 5pm.

Please contact Margie Wise with MDE to register for one or both of the courses. She may be reached at (410) 537- 3197. For directions to the Maryland Department of the Environment's Baltimore headquarters, call or please visit the following website. [www.mde.state.md.us/AboutMDE/Directions/index.asp](http://www.mde.state.md.us/AboutMDE/Directions/index.asp)