

North Carolina OBD I/M Certification and Re-Certification Instructor notes:

- The revised North Carolina Division of Motor Vehicles Inspector-Mechanic On-Board Diagnostics (OBD) I/M Training Manual is for use in both the initial Certification training and the Re-Certification training.
- The revised slides for the North Carolina Division of Motor Vehicles Inspector-Mechanic On-Board Diagnostics (OBD) I/M Training program are separated into two sets; the 8 hour Certification course and the 4 hour Re-Certification course. Slides for the Re-Certification course are a subset of the initial Certification course with the updated material presented in the course manual as the prime focus. The Re-Certification slide file actually has the same slides as the Certification slide file, but many of the slides are hidden so they do not display during the presentation. These slides are available for use during the Re-Certification training if the instructor decides to include the information during the course. Slides can be unhidden while the file is open in the normal or slide sorter view; click on Slide Show in the tool bar and toggle the Hide Slide button.
- The second slide in each set is hidden and will not be displayed during the slide show but is available when viewing the slide file in the normal or slide sorter view. These slides are there for instructor customization (if desired) to provide instructions for filling out any forms required by your institution. You can either delete this instructor information slide and add your own, or you can modify this slide and unhide it (refer to above listed instructions).
- The third slide in each set is an example slide using a form from Alamance Community College. You are encouraged to replace this form image with one pertinent to your College (if desired). This slide is also hidden.
- The content in slides 4 through 140 should not be modified.
- The fourth slide covers the Course Focus and is unique for each set.
- Slides 5 through 22 are the same for each set and cover training requirements, violation information and the I/M program rollout schedule.
- Slides 23 through 60 contain an introduction to OBD technology, why the technology is needed and how OBD systems are correlated to the Federal Test Procedure (FTP). Emission standards are identified and a brief explanation of the FTP drive cycles are included to help course participants understand what the OBD requirement of identifying emission related faults that may cause vehicle emissions to exceed 1.5 times the FTP standard actually mean. These slides are hidden in the Re-Certification file, however, they can be used if the instructor desires.
- Slides 61 through 65 are photographs of the approved OBD I/M test equipment courtesy of Kevin Moore at Alamance Community College. Thanks Kevin!
- Slides 66 through 74 cover the NC OBD I/M inspection steps with updated information on the Keyless Ignition Systems.
- Slides 75 through 81 contain the details of the OBD II Test results information on the VIR/S and are hidden in the Re-Certification slide file.
- Slides 82 through 128 contain details of the OBD system operation (reviewed for the Re-Certification) with updated information for MIL, CAN, Readiness and the LT-318 Not Ready Form, and update information on DTC structure.

- Slides 129 through 135 are OBD I/M test outcome exercises and are hidden in the Re-Certification file
- Slide 136 covers Waiver information
- Slides 137 through 139 are Frequently Asked Questions Note: this FAQ will continue to be updated with Questions (and Answers) as they become available. If there are additions you feel would be appropriate, they can be submitted to [chuck@idea-base.com](mailto:chuck@idea-base.com)
- Slide 140 is a reminder slide to get vehicle owner permission for repair work
- Slide 141 is the concluding slide and can be modified to suite the instructor for an ending slide if desired.