

Location: TBA

| <i>Course #</i> | <i>Course Name and Description</i> | <i>Hours</i> | <i>Dates</i> |
|--------------------|--|--------------|--------------------------------|
| AD-513 | Pressure Signature Analysis Many times during the history of the automobile revolutionary diagnostic techniques have come along that changed the way we diagnose and verify the systems on the vehicle in our bay. Pressure Signature Analysis is the latest technique that can save you time and make you money when servicing any vehicle that rolls in the shop. This course covers the use of pressure transducers and flow devices that present a graphic representation of the pressures in the intake manifold, fuel rail or exhaust stream. By understanding the dynamics of these signatures you will be able to pinpoint problems in seconds that may have taken hours or days in the past. Coupled with scan data analysis, this information will take your diagnostic skills to new heights. | 8 | 12/16/2009 - 12/17/2009 |
| Instructor: | Mark Olinger | | |
| VWA-100 | Volkswagen Audi Diagnosis Many technicians shy away from the VW or Audi platforms because they don't understand the way they manage scan data or the way they display wiring diagrams. However these popular European platforms can be your next best profit opportunity because they break often and are easy to repair. The use of track wiring diagrams seems to bring fear to the minds of most techs. This course will dispell those fears and help you understand how to find the direction you need. The use of aftermarket scan tools is also a primary focus of this class helping you leverage the tools you already own when diagnosing these vehicles. Topics covered include display groups, adaptation, coding and programing as well as the limitations of aftermarket tools. | 8 | 3/17/2010 - 3/18/2010 |
| Instructor: | Mark Olinger | | |
| DSL-200 | GM Duramax Diagnosis The fastest growing vehicle group today is electronic diesel light and medium duty trucks. This course focuses on the popular GM Duramax system. Beginning with a fundamental review of the basics of electronic direct injection systems the technician will understand how to properly test and diagnose the major systems including the fuel supply, direct injection, and computer control systems. Topics will include the use of the scan tool during diagnosis. Also included are common pattern failures and preventive maintenance service procedures. | 8 | 5/12/2010 - 5/13/2010 |
| Instructor: | Mark Olinger | | |
| AD-508 | Developing Diagnostic Strategies for Ignition Systems Modern ignition systems are becoming increasingly difficult to diagnose. This course provides an in-depth analysis of late model ignition systems using a digital storage oscilloscope. Vehicles with ignition system problems will be used as examples of how to use the theory of ignition to diagnose and make repairs. Diagnosis of primary and secondary ignition systems will be discussed. Normal patterns will be used when discussing ignition system theory enabling the technician to identify problems within a waveform. | 8 | 7/21/2010 - 7/22/2010 |
| Instructor: | Mark Olinger | | |
| ETT-108 | New Equipment Technologies 2008 Every year new tool and equipment technologies are developed that may or may not provide you with the opportunity to improve your bottom line. This course will focus on diagnostic equipment technologies that our staff has tested in the CTI Research Center. This version of the class will focus on the new OE scan tool platforms that are coming and how the aftermarket technician can access or emulate these systems in their bay. The purpose of this course is to help prepare technicians and shop owners to be informed consumers before making a large purchase of equipment. This is not a sales pitch! | 4 | 9/22/2010 - 9/22/2010 |
| Instructor: | Mark Olinger | | |

Times are 6:00 pm to 10:00 for Monday - Thursday classes; 8:00 am to 5:00 pm for Saturday classes.

Check with your local CARQUEST Store for changes and/or updates.

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| TOY-200 | Toyota OBD-II Diagnostics This course covers the unique aspects of 1996 and newer OBD systems found on Toyota vehicles. Toyota uses many unique systems and components that will be detailed allowing CTI technicians to effectively diagnose Toyota OBD-II issues. Each OBD monitor will be covered highlighting the unique systems with a focus on developing diagnostic strategies that will enable technicians to diagnose Toyota OBD systems in a quick and efficient manner. Unique systems include Toyota Air/Fuel Ratio sensor, Toyota EVAP systems, Toyota EI systems and Toyota Total Fuel Trim information. | 8 | 10/20/2010 - 10/21/2010 |

Instructor: Mark Olinger

Times are 6:00 pm to 10:00 for Monday - Thursday classes; 8:00 am to 5:00 pm for Saturday classes.

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Wednesday, September 30, 2009

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