



CTI Season Line-up
Las Vegas, NV

Region #: CAP-CAP401-9

Location: TBA

Course #	Course Name and Description	Hours	Dates
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	7/20/2009 - 7/21/2009
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	9/22/2009 - 9/22/2009
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	11/16/2009 - 11/17/2009
Instructor: Mark Olinger			
AD-514	Vehicle Data Network Diagnosis Vehicle data networks, which have been around for decades, allow multiple modules in an automobile to share information through the use of a one or two-wire data bus. When communication between modules breaks down, the results can sometimes be confusing. This course uses real world examples to illustrate the logical diagnostic process needed to solve complex network communication faults on modern vehicles.	8	1/18/2010 - 1/19/2010
Instructor: Mark Olinger			
DSL-400	Cummins Diesel Diagnostics The Cummins six cylinder light duty diesel engine is the most popular work vehicle in the US. Used by fleets and contractors alike, the Cummins system presents many unique service opportunities to the general repair facility. This course covers the system strategies that must be understood to properly service these vehicles including preventive maintenance and common failures. Also covered are some of the more common performance modifications that present challenges to the repair industry.	8	3/22/2010 - 3/23/2010
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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NVT-300	Gasoline Direct Injection Diagnosis Gasoline Direct Injection (GDI) systems are becoming common place on late model cars and light trucks. This variation of fuel injection delivers the fuel charge directly into the combustion chamber much like a diesel using a common rail system. The potential benefits of GDI are increased fuel efficiency and power. Of course the GDI fuel control strategies are different than normal MPFI systems and maintenance opportunities present new challenges to the aftermarket repair facility. This class will cover these topics which will enable you to effectively service and maintain GDI systems found on GM, Toyota, Isuzu, Mitsubishi, VW/Audi, Saturn and Mazdas	8	5/17/2010 - 5/18/2010

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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Monday, October 05, 2009

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