



## CTI Season Line-up Ocala, FL

Region #: OCA-2307D-9

Location: TBA

Course #	Course Name and Description	Hours	Dates
<b>AD-508</b>	<b>Developing Diagnostic Strategies for Ignition Systems</b> 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.	<b>8</b>	<b>2/25/2009 - 2/26/2009</b>
<b>Instructor:</b>	<b>Richard Sheffield</b>		
<b>HYB-200</b>	<b>Hybrid Vehicle Service</b> The Hybrid vehicle segment is the fastest growing market in North America. With over 700,000 vehicles sold as of January 2007 it is only a matter of time before your customers who own a hybrid vehicle visit you requesting maintenance services. While there are many safety issues that need to be addressed when servicing hybrids, the reality is there are only a few services that require factory tools. Hybrid vehicles all have internal combustion engines that need oil changes, tune ups and carbon services. They all have brake and suspension systems that you can service along with cooling systems, tires and transmission fluid services. This course covers the unique service issues you will find on the most popular hybrid vehicles that will show up in your bays. This is a must class for your business to be prepared to compete with the OE dealers for your customers future business.	<b>8</b>	<b>4/29/2009 - 4/30/2009</b>
<b>Instructor:</b>	<b>Steve Evanoff</b>		
<b>EE-102</b>	<b>CTI Specialized Electronics Testing Module Two</b> The second of three modules. This course focuses on solid state electronics found in every corner of today's vehicles. Each electronic component will be shown in actual circuits and diagnostic strategies for each will be demonstrated. The primary focus will be on reading and using wiring diagrams. All vehicle systems will be analyzed using various diagram resources including aftermarket and OE. The goal of this module is to develop diagnostic strategies using available service information and testing equipment to effectively find direction when dealing with any vehicle electronic system.	<b>8</b>	<b>6/24/2009 - 6/25/2009</b>
<b>Instructor:</b>	<b>Richard Sheffield</b>		
<b>EE-103</b>	<b>CTI Specialized Electronics Testing Module Three</b> The last of three modules focusing on the fundamentals of computer control systems including inputs and outputs as well as basic computer strategies. The primary focus of module 3 is to practice the diagnosis of common systems on today's vehicles that present challenges including computer controlled charging systems, automatic HVAC systems, entertainment systems, body controls, basic and complex networks. The goal is to give technicians the confidence to practice the fundamentals of electricity and electronics on advanced systems in order to solve their customers problems.	<b>8</b>	<b>9/23/2009 - 9/24/2009</b>
<b>Instructor:</b>	<b>Richard Sheffield</b>		
<b>AD-514</b>	<b>Vehicle Data Network Diagnosis</b> 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.	<b>8</b>	<b>10/28/2009 - 10/29/2009</b>
<b>Instructor:</b>	<b>Richard Sheffield</b>		
<b>ETT-108</b>	<b>New Equipment Technologies 2008</b> 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!	<b>4</b>	<b>12/2/2009 - 12/2/2009</b>
<b>Instructor:</b>	<b>Richard Sheffield</b>		

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.