CTI Season Line-up

Manhattan, KS

Region #: KAN-1911-4

Location: TBA

Course #	Course Name and Description	Hours	Dates
AD-513	**Pressure Signature Analysis**	**8**	**10/12/2009 - 10/13/2009**
	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.		
Instructor:	**Norbert Kist**		
PK-201	**Catalytic Converter Service**	**4**	**11/17/2009 - 11/17/2009**
	In today's service facility, making the right choices when diagnosing and replacing catalytic converters is critical in order to stay in compliance with ever-changing laws and to maximize profitability while still taking care of your customer. CARQUEST Technical Institute has developed this course to help you understand the key issues when dealing with catalytic converters. Laws are changing as we speak, and it is your responsibility to understand them so you stay out of trouble and leverage them to provide your customer with the best solution.		
Instructor:	**Norbert Kist**		
EE-101	**CTI Specialized Electronics Training Module One**	**8**	**1/27/2010 - 1/28/2010**
	This is the first of three modules designed to give technicians the skills to properly apply the fundamentals of electronics in today's vehicles. Module 1 focuses on the fundamentals of electricity with particular interest in relating them to real world situations. Each student will learn to apply the basics of testing such as voltage drop through the use of wiring diagrams and basic test equipment on various types of circuits. The goal of this course is to establish a foundation for those new to electronics and to provide an up to date review of electronic principles to those who have been in the business before moving on to more complex topics in Modules 2 & 3.		
Instructor:	**Carl Schweikert**		
AD-514	**Vehicle Data Network Diagnosis**	**8**	**3/17/2010 - 3/18/2010**
	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.		
Instructor:	**Carl Schweikert**		
EE-102	**CTI Specialized Electronics Testing Module Two**	**8**	**5/12/2010 - 5/13/2010**
	The second of three modules. This course focuses on solid state electronics found in every corner of todays vehicles. Each electronic conmponent 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 informaiton and testing equipment to effectively find direction when dealing with any vehicle electronic system.		
Instructor:	**Carl Schweikert**		
EE-201	**Battery Starting & Charging System Diagnosis**	**8**	**7/21/2010 - 7/22/2010**
	What should be a staple in your diagnostic arsenal has changed over the past several years because of new technologies. Diagnosis of batteries, starter and alternators now include scan tool and capacitance testing coupled with the essential electronic skills you should posses. This course focuses first on the essential skills of testing the battery, starter and alternator followed by a review of current computerized starting and charging system technologies. Then you¿ll follow a detailed diagnostic process to accurately diagnose and service these common complex systems.		
Instructor:	**Carl Schweikert**		

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.