



CTI Season Line-up Lakeville, MN

Region #: LAK-1600-4

Location: TBA

Course #	Course Name and Description	Hours	Dates
AC-201	Automatic Temperature Control Systems Diagnosis Today's vehicles present complex challenges to mobile HVAC technicians. While the refrigerant systems may be difficult to repair, the electronics that control the operation of these 'automatic' systems are every bit as difficult to diagnose as the engine management systems. They use the same communications bus and diagnostic logic which require specialized scan tools and diagnostic strategies to successfully solve the vehicle owners concerns. This course covers the basics of automatic HVAC controls, strategies and diagnostics which will enable you to effectively diagnose and repair these complex systems.	8	3/11/2009 - 3/12/2009
Instructor:	Vince Manship		
EE-101	CTI Specialized Electronics Training Module One 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.	8	7/8/2009 - 7/9/2009
Instructor:	Vince Manship		
PK-201	Catalytic Converter Service 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.	4	10/1/2009 - 10/1/2009
Instructor:	Carl Schweikert		
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:	Carl Schweikert		
EE-102	CTI Specialized Electronics Testing Module Two 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.	8	2/10/2010 - 2/11/2010
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.

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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	5/5/2010 - 5/6/2010

Instructor: Craig Cohen

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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