



CTI Season Line-up Grand Rapids, MN

Region #: LAK-1615-3

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	7/27/2009 - 7/28/2009
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	9/28/2009 - 9/28/2009
Instructor: Carl Schweikert			
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	11/30/2009 - 12/1/2009
Instructor: Craig Cohen			
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	2/1/2010 - 2/2/2010
Instructor: Craig Cohen			
AD-512	Advanced Diagnostic Challenge This course will challenge you to apply the skills you have learned or the processes you currently use to solve case studies of documented broken vehicles. CTI MINDS-ON TRAINING techniques will be used to display the data from each vehicle so all students have access to the information needed to solve each problem. By practicing problem solving in the classroom, the technician is better able to recognize the patterns in data when faced with a similar problem in their bay.	8	4/12/2010 - 4/13/2010
Instructor: Craig Cohen			
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	5/31/2010 - 6/1/2010
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.

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