



# CTI Season Line-up

## Wheatridge / Thornton, CO

Region #: DEN-3104-10

Location: Wheatridge/Thornton Front Range Community College, College Hill Library, 3645 W. 112th Westminister, CO, 80031

Course #	Course Name and Description	Hours	Dates
AD-514	<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.	8	1/26/2010 - 1/28/2010
<b>Instructor: Todd Doty</b>			
EE-103	<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 customer's problems.	8	3/16/2010 - 3/18/2010
<b>Instructor: Todd Doty</b>			
HYB-200	<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.	8	5/4/2010 - 5/6/2010
<b>Instructor: Todd Doty</b>			
PK-201	<b>Catalytic Converter Service</b> 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	6/15/2010 - 6/15/2010
<b>Instructor: Todd Doty</b>			
EE-201	<b>Battery Starting &amp; Charging System Diagnosis</b> 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 possess. 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.	8	9/28/2010 - 9/30/2010
<b>Instructor: Todd Doty</b>			
NVT-300	<b>Gasoline Direct Injection Diagnosis</b> 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	11/16/2010 - 11/18/2010
<b>Instructor: Todd Doty</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.