

*Location: TBA*

<i>Course #</i>	<i>Course Name and Description</i>	<i>Hours</i>	<i>Dates</i>
<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>11/9/2009 - 11/10/2009</b>
<b>Instructor: Louie Nelson</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 todays 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>1/25/2010 - 1/26/2010</b>
<b>Instructor: Louie Nelson</b>			
<b>AC-201</b>	<b>Automatic Temperature Control Systems Diagnosis</b> 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.	<b>8</b>	<b>3/22/2010 - 3/23/2010</b>
<b>Instructor: Craig Cohen</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>5/10/2010 - 5/11/2010</b>
<b>Instructor: Craig Cohen</b>			
<b>NVT-300</b>	<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	<b>8</b>	<b>7/12/2010 - 7/13/2010</b>
<b>Instructor: Craig Cohen</b>			
<b>PK-201</b>	<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.	<b>4</b>	<b>9/7/2010 - 9/7/2010</b>
<b>Instructor: Craig Cohen</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.*