

*Location: Markham, ON*

<i>Course #</i>	<i>Course Name and Description</i>	<i>Hours</i>	<i>Dates</i>
<b>AD-513</b>	<b>Pressure Signature Analysis</b> 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.	<b>8</b>	<b>9/8/2009 - 9/9/2009</b>
<b>Instructor: Scott Weatherall</b>			
<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>10/20/2009 - 10/21/2009</b>
<b>Instructor: Scott Weatherall</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 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.	<b>8</b>	<b>1/12/2010 - 1/13/2010</b>
<b>Instructor: Scott Weatherall</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>2/16/2010 - 2/17/2010</b>
<b>Instructor: Scott Weatherall</b>			
<b>EE-201</b>	<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.	<b>8</b>	<b>3/23/2010 - 3/24/2010</b>
<b>Instructor: Scott Weatherall</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.*