



CTI Season Line-up
La Mesa/S San Diego, CA
 Region #: RIV-413-9

Location: TBA

<i>Course #</i>	<i>Course Name and Description</i>	<i>Hours</i>	<i>Dates</i>
VWA-200	VW/Audi Diagnostic Strategies This course continues the process started in VWA100 with a focus on application of scan tool diagnosis and a detailed understanding of the service challenges presented by these vehicles. The beauty of servicing VW's and Audis is that they provide many service opportunities and their owners love their vehicles. You will learn how to be prepared to deal with the many pattern failures found on these vehicles along with the details needed to code and program modules that is common place with this vehicle group.	8	2/10/2010 - 2/11/2010
Instructor: Mark Olinger			
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 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 informaiton and testing equipment to effectively find direction when dealing with any vehicle electronic system.	8	4/7/2010 - 4/8/2010
Instructor: Mark Olinger			
TFT-100	Total Fuel Trim Diagnosis Fuel Trim is the technician's best chance to find the right diagnostic path to solving most all drivability and engine performance problems. This course will dispel the myths about short and long term fuel trim and the instructor will introduce the concept of Total Fuel Trim. It is important that the PCM's total fuel modification be taken into consideration when diagnosing these problems. The effects of Rear Fuel Trim found on most all vehicles today, will also be explained. This is a must see class that will open your eyes to the power of Total Fuel Trim diagnosis.	4	6/9/2010 - 6/9/2010
Instructor: Mark Olinger			
EE-201	Battery Starting & Charging System Diagnosis 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 posses. 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	8/4/2010 - 8/5/2010
Instructor: Mark Olinger			
NVT-300	Gasoline Direct Injection Diagnosis 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	10/6/2010 - 10/7/2010
Instructor: Mark Olinger			
NVT-301	Variable Valve Timing System Diagnosis Variable Valve Timing (VVT) systems have been in production for over 20 years and today are used by every manufacturer to provide torque and emissions controls by manipulating the timing of the valve train. This system is quite complicated and is susceptible to lack of maintenance issues. Diagnosis is a challenge without a good understanding of how the various systems work and how to use the scan tool to diagnose their operation. This course focuses on operating strategies and failure modes coupled with common pattern failures found on today's VVT systems.	8	12/8/2010 - 12/9/2010
Instructor: Mark Olinger			

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.