



CTI Season Line-up Bloomington, IL

Region #: CHI-2800-6

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	4/27/2009 - 4/28/2009
Instructor:	Louie Nelson		
VWA-100	Volkswagen Audi Diagnosis Many technicians shy away from the VW or Audi platforms because they don't understand the way they manage scan data or the way they display wiring diagrams. However these popular European platforms can be your next best profit opportunity because they break often and are easy to repair. The use of track wiring diagrams seems to bring fear to the minds of most techs. This course will dispell those fears and help you understand how to find the direction you need. The use of aftermarket scan tools is also a primary focus of this class helping you leverage the tools you already own when diagnosing these vehicles. Topics covered include display groups, adaptation, coding and programing as well as the limitations of aftermarket tools.	8	8/26/2009 - 8/27/2009
Instructor:	Louie Nelson		
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	10/14/2009 - 10/14/2009
Instructor:	Louie Nelson		
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	12/16/2009 - 12/17/2009
Instructor:	Louie Nelson		
OBD-206	Advanced Mode \$06 Mode \$06 is the scan tools request for the latest test results from the PCM for all non-continuous monitors. This concept was first introduced in OBD-203. Now we will cover practical uses of Mode \$06, deal with the difficult Mode \$06 information from GM and Chrysler as well as review the changes in Mode \$06 on CAN vehicles. Don't dismiss this valuable information. It will save you time if used correctly.	8	2/17/2010 - 2/18/2010
Instructor:	Louie Nelson		

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.

Location: TBA

<i>Course #</i>	<i>Course Name and Description</i>	<i>Hours</i>	<i>Dates</i>
OBD-208	Reprogramming Strategies One of the most critical decisions a shop makes today deals with reprogramming the PCM on today's vehicles. While it is necessary many times to reprogram a PCM, the shop must make the decision whether to purchase the tooling necessary to do the job in house or to farm it out to the dealer. In many cases the J-2534 reprogramming standard which was meant to make it easy to reprogram vehicles, has led to much confusion in the field. This course focuses on delivering the truth about reprogramming including both OE and J-2534 methods. You will come away with specific J-2534 procedures to make this strategy successful. You will also understand the limitations of J-2534 and the advantages of using the OE scan tool to reprogram. At the end of the day you will be able to make the best decision for your shop.	8	4/28/2010 - 4/29/2010

Instructor: Louie Nelson

Times are 6:00 pm to 10:00 for Monday - Thursday classes; 8:00 am to 5:00 pm for Saturday classes.

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Monday, April 13, 2009

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