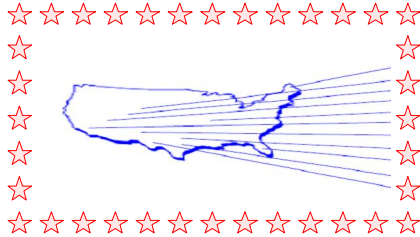


Visit MEAttraining.com for computer class details

Download complete Wall Calendar from Website

Classroom Classes

On-Line Classes



"We consolidate some of what we learn from our Live Tech Support Hot Line and some of our Real World on-the-job training, Tech Van Fixes, into each MEA Class – On-Line and Classroom"

*MEA Technical Training Director
Dave Scaler*

MEA : 973-761-7420

MEA also offers ALL NJ State ETEP & DMV Classes

January Class Calendar

All Conventional Classes are at the Maplewood Location unless otherwise indicated

Monday	Tuesday	Wednesday	Thursday
4 Call to Register For ALL Classes Internet and Conventional (973) 426-9001	5 ALL INTERNET CLASSES NO EXTRA COST TO MEA MEMBERS	6 <u>Evening Internet Class</u> Today 8:00 PM ó 8:30 PM ORVR On Board Refueling Vapor Recovery	7 <u>LUNCH Internet Class</u> Today 12:00 ó 12:30 Shifted Ground O2 Sensor Testing
11 Advanced Computer Controlled Charging Systems	12 Advanced Base Engine Analysis	13 WE ARE YOUR NJ EMISSION RULES and REGULATION INFORMATION SOURCE	14 NJ State Specific Rules And Regulations Class For Expiring Emission Repair Techs that DO NOT do Inspections
18 BMW Advanced Driveability Tips and Tricks Class!	19 J2534 Reprogramming Cars Over the Internet IN YOUR SHOP	MEA TRAINING ON YOUR PC Visit www.MEAttraining.com	21 <u>Evening Internet Class</u> Today 8:00 PM ó 9:00 PM VW 1.8L Turbo Diagnosis
25 CALL FOR NJ EMISSION REPAIR UPDATE CLASSES 973-761-7420	26 <u>Evening Internet Class</u> Today 8:00 PM ó 9:00 PM Hyundai Input and Output Trans Speed sensors	27 Mastering Wheel Alignment Angles	28 Nissan and Infiniti Tips and Tricks

**MEA
Members Only
Calendar**





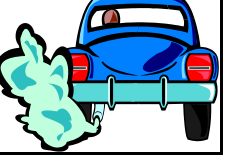

January 2010

**CALL To Register
For classes
(973) 426-9001**

1805 Springfield Avenue Maplewood NJ 07040

Hotline hours are from 9am to 5pm Monday through Friday

Classes are from 7pm to

<p>INTERNET</p> 	<p>Wed. Jan 6th Evening Internet Class ORVR: On Board Refueling Vapor Recovery Systems</p> <p>Distance Learning – Learn On-Line</p> <p>Because of EPA requirements evaporative fuel systems have to recover fuel vapors during refueling events. In this webinar we will be covering the components that are involved in achieving this operation. Recirculation tube, anti-spit back valve, re-fueling valves, shut-off valves and the rest of system components are to be discussed. Problems that can occur if the ORVR system is malfunctioning are difficulty in filling fuel tank, intermittent fuel odor complaints and check engine light on. This is MEA webinar is to help you get through the above problems as quickly and accurately.</p>
<p>INTERNET</p> 	<p>Thurs. Jan 7th Lunchtime Internet Class Shifted Ground O2 Sensor Testing</p> <p>Distance Learning – Learn On-Line</p> <p>Many manufacturers have taken a different approach to Air Fuel Ratio sensing. While Some manufactureres have moved to a wide band / wide ratio O2 sensor; others have moved to shifted ground O2 sensors. This class will cover the shifted ground Zirconia O2 sensors and how to test them quickly and easily. Since these sensors are 4 wire, just like a conventional O2 this course will also show you how to identify and test them using your multimeter without knowing in advance what type of sensor you have. Also covered are MEA tips and tricks heater circuit diagnosis easy again, when the computer controls the heater via a duty cycle power or ground circuit.</p>
<p>UPDATED</p> 	<p>Mon Jan. 11th Advanced Computer Controlled Charging Systems</p> <p>Computer Controlled Alternator and CHARGING System diagnosis Including ALTERNATOR COMEBACK ANALYSIS</p> <p>In this class we will cover Charging Systems Controlled by the PCM, BCM, GBCM and other computers. Chrysler, Ford, GM and Honda currently have these systems and more manufacturers are installing these systems. We will cover operation and testing of current sensors and battery temp sensors. Electrical Power Management coverage, including different modes of operation such as Charge mode, Fuel Economy mode and Load Shedding. Also covered will be RVC, SARVC, Gen Com, Gen Mon, ELD, and EVR.</p>
<p>All Levels!</p> 	<p>Tues. Jan 12th Updated!!! Advanced Base Engine Analysis</p> <p>This course focuses on what can be a VERY difficult driveability or emission diagnosis; a base engine problem. What can make base engine problems difficult to diagnose? Well for a start, there is no scan tool or scope that can tell you exactly what is wrong with an engine (for example: that the #4 cam lobe is worn, the timing belt is off 1/2 or 1 tooth, or that a vehicle with a SMALL HC failure is due to a base engine problem.) Any technician can diagnose a broken timing belt, this course focuses on the not so obvious failures. Trying to Identify engine problems by disassembly of components is not a good option for diagnosis, since it is very time consuming. This course takes</p>
<p>DMV Update</p> 	<p>Thurs. Jan 14th NJ State Specific ERT Rules and Regulations</p> <p>Did you get the letter from DEP that says your repair license is going to expire? If you have a Repair license and need to renew it, you must update it to include the NJ Specific Rules and Regulations Course. Once again MEA is APPROVED to provide this new course, and we have put together a great package to help you get your update training quickly and easily. You will get all the required information Repair Technician, you are required to know the rules and regulations governing the NJ Enhanced Emission testing process. This is a 3 hour course with NO EXAM,</p>
<p>Import Series!</p> 	<p>Mon. Jan. 18th BMW – Advanced Driveability TIPS and TRICKS Class</p> <p>BMW has always been tight lipped about service information. This class is designed to fill the service information gap. A MUST HAVE quick reference guide on chassis/engine identification will be provided. Identifying the differences between Bosch M5.X & Siemens MS41.X powertrain control systems will be covered. This in-depth coverage of all the various computer inputs and outputs helps you save time and become more confident in your diagnosis. Later systems such as Bosch ME9.2 and Siemens MS45 which include Electronic Throttle, VANOS, & Valvetronic</p>

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Cutting Edge



Tues. Jan. 19th

J2534 Internet Pass-Thru Reprogram-

ming

Real World Opportunities in PCM Coding, Reflashing and Reprogramming DOMESTIC AND IMPORT systems will be covered! You CAN start flashing cars the next day for less than \$500 if you attend this class! Think of this scenario. You have an OBDII code P0420 (catalytic converter below threshold). The diagnosis is a faulty catalytic converter, but there is also a TSB to address a P0420 by updating the software inside the PCM. This class covers how to insure the vehicle is "finished" by showing you how to do software reprogramming in YOUR SHOP. This class will cover the PRACTICAL ways to reprogram in the shop using both J2534 Internet reprogramming, as well as with OE scan tools. Many replacement PCMs are shipped "empty"; meaning they REQUIRE software to allow the vehicle to run, or to marry the new PCM to the immobilizer system. Without the ability to reprogram, the vehicle must be sent back to the dealer, causing the shop to lose an opportunity. This class will show the good, the bad and the ugly of vehicle programming for both import and domestic vehicles. Delivered in an upbeat, high-energy

INTERNET



Thurs Jan. 21st

Evening Internet Class

VW 1.8 Turbo Diagno-

sis

Distance Learning – Learn On-Line

This VW Web based training class will cover operation and testing the popular VW 1.8L Turbo application. Topics covered include Boost Control, Re-Circulation Control, Charge Pressure By-pass Valve, N75 Wastegate Control Solenoids, N249 Re-Circulation Control Solenoid and Boost Sensor testing and diagnosis. Also, Scan Tool Diagnosis including Measuring Block Scan Data in VW Expert Mode.

INTERNET



Tues. Jan. 26th

Evening Internet

Hyundai Input and Output Speed

Sensors

Distance Learning – Learn On-Line

Hyundai has a lot of problem with their transmission sensors. These are easy electrical fixes that you can perform WITHOUT sending the car to the trans shop, once you know how they work. This class will explore how Input and Output Shaft Speed Sensors affect Trans Operation, Shifting Issues and Limp Home Mode. Of course you will learn how to quickly and accurately diagnose these sensors, as well as how to prevent the common misdiagnosis of testing or diagnosing the VSS which is a separate sensor, having nothing to do with the transmission

ALL LEVELS



Wed. Jan 27th

UPDATED!!

Mastering Wheel Alignment An-

gles

Class Highlights include: Camber Angles and their effects, Caster Angles, Toe and Toe Changes, SAI, finding bent spindles with SAI, Suspension types and their unique characteristics. Shock & Steering Technology. 4 Wheel , Thrustline and Geometric Centerline alignments. Complete alignment procedures and techniques, specifications, and problem solving, including Thrust Angle, Set Back, Toe Out on Turns. Whether you are currently doing alignments or have never done one before this course is a "must

UPDATED



Thur. Jan. 28th

UPDATED

Nissan and Infiniti Tips and

Tricks

Looking to continue your Import Training? Here's your next opportunity. This class hits on all those nagging Nissan problems. Topics include: P1320 Diagnosis, complete 2,3,5, and 6 wire idle speed control, Fly by Wire Throttle, Proper procedures for IAVL relearning as well as common mistakes. EGR Function testing, complete sensor testing with specs you won't find anywhere else. Ignition - Optical to COP, Fuel pump control module operation and testing, all OBD II monitors with special attention being paid to