

MEA

22 YEARS OF, BY, FOR AUTO TECHNICIANS

March

2011

class calendar

Mechanics' Education Association

Visit **MEAttraining.com** for complete class details

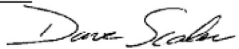
Download a Wall Calendar from MEA's Website **908.496.0059**

"Bring a Pad to class"

MEA tech-supported classes

On-site, on-the-job Fixes

"We consolidate some MEA virtual computer to computer, Live phone, teacher techvan real world fixes into each class. Online or conventional, bring a pad to class."



-DAVE SCALER

MEA Technical Training Director

MEA Online is **alive**, and **interactive** training and is now right in your own **shops** and **homes**. Just \$30 a class, prepay 10 online classes \$200 and save **\$100** each time.

MEA is a **school**, not **just** a hotline and not **just** a **teacher** techvan

MEA also offers ALL NJ State ETEP & DMV Classes

Go to school online, day or night

Monday	Tuesday	Wednesday	Thursday
Call to Register For Classroom Training (973)426-9001 For Internet Training: www.MEAttraining.com	If you are only using the Tech Line , you are not getting the Full Benefit from your MEA Membership. GO TO SCHOOL	9 VW Drive-by-Wire And Motronic Engine System Diagnosis	10 Evening Internet Class 8:00pm—8:30pm Nissan Coil On Plug COP Ignition Diagnosis and Testing
14 UPDATED Toyota Lexus Scion Driveability	15 Evening Internet Class 8:00pm—8:30pm NEW Case Studies of Successful Lab Scope Techniques	16 Lunch Internet Class Noon - 12:30pm FORD Electronic Throttle Control "Fly by Wire"	17 All Internet Classes No Additional Cost for MEA Members
21 MEA Is Going Paperless E-Mail us to get on the E-mail List	22 "NEW" MORNING AM Internet Class 8:00—8:30 AM NEW Active Wheel Speed Sensors	23 Evening Internet Class 8:00pm—8:30pm NEW 6.7 Dodge Cummins Turbo Diesel Sliding Ring VGT Turbo	HAVE YOU TRIED THE VIRTUAL HOTLINE YET? It is very cool!
28 Inspector Training Night 1 AND NJ STATE SPECIFIC COURSE	29 Inspector Training Night 2	29 Coming in 2011!!! Ford 6.4L Powerstroke VW GAS Direct Injection	31 Evening Internet Class 8:00pm—8:30pm Chrysler Leak Detection Pump UPDATED

IMPORT!



Wed March 9th

VW Drive by Wire and Motronic system Diagnosis

This course is one MEA's European classes concentrating on driveability problems on latest VW Electronic Fuel Injection Systems including Bosch Motronic 5.9, 7.0, 7.1, 7.2 and newer ME systems. Electronic throttle control (fly by wire) types 1, 2, and 3, Complete testing of all inputs and outputs, including specs that are not found in any book. What is Data Block Diagnosis? Learn and understand the importance of Basic Settings, Value Blocks and Display Groups. Learn how to Generate readiness codes (running monitors) in the bay with your scanner in minutes. Data stream analysis of both Generic and Volkswagen information COP ignition systems and the sometimes difficult to diagnose 1.8 turbo boost control and boost recirculation systems. Like all of MEA's classes a complete wire-by-wire testing of all circuits involved will be covered.

Internet



Thurs March 10th

Evening Internet

Nissan COP Diagnosis and Testing

Nissan/Infiniti Coil On Plug Systems are very problematic. Most of the time a Nissan experiences a misfire the dealer will recommend to replace ALL Coils at over \$100 each. This is particularly true if the vehicle has PO1320 which is a code for an Ignition Coil, but it DOES NOT identify which cylinder it is! This class will cover UNIQUE MEA tests to allow you to ID which coil (or coils) is really bad! Don't miss it!

IMPORT!

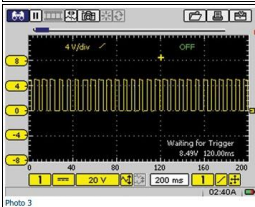


Mon March 14th

Toyota Lexus Scion Driveability

This class will cover the newest Toyota engine management systems. Systems covered include Electronic Throttle Control for cars and trucks, with APP, TPS sensors, and H-Bridge operation. Idle speed control systems. Operation and Testing of Constant and Cut-Off Control EGR systems including MAP, position, and temperature detection systems. MAF Testing, and Toyota's version of Air Fuel Ratio Sensor (wide range) testing that will keep you on the cutting edge of Toyota's computer control systems. Test procedures will be covered in this class that are not found in any books!

Internet



Tues March 15th

Evening Internet

Case Studies of Successful Labscope Techniques

This class will cover the Case Studies of a variety of % in the bay+fixes that could not have been done better or faster without a labscope. If you find yourself not taking full advantage of your labscope (including Modis, Verus, Vantage, PICO, or other brands) like you should than you are missing repair opportunities. Tune in to this internet class and see how the scope can find problems that can't be found in any other way!

Internet



Wed March 16th

Lunchtime Internet

Ford Electronic Throttle "Fly By Wire"

Most newer FORD vehicles are coming equipped with electronic throttle assemblies. This class will cover operation, cleaning, and testing of the complete Torque based Electronic Throttle Control System. We will cover ETC, APP, TPS, H-Bridge, Equizer, FMEM, IPC and all other components. Also covered will be Failure Modes, limited power mode, forced idle mode and shut down mode.

**MEA
Members Only
Calendar**

March 2011

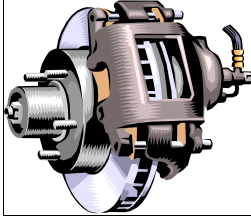
CALL To Register
For classes
(973) 426-9001

1805 Springfield Avenue Maplewood NJ 07040

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

Classes are from 7pm to 10pm

Morning Internet



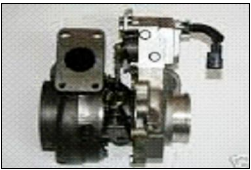
Tues March 22nd

NEW!!! Morning Internet Class

Active Wheel Speed Sensors

Many manufacturers have moved toward the use of active wheel speed sensors. These sensors are tested and diagnosed much differently than conventional, older style wheel speed sensors. To make sure all you do not get caught using the wrong test procedure for the new sensors, correct test procedures for both types of sensors will be covered. Specification for Bias and Reference voltages for each type of sensor will be given, since proper identification will lead to an accurate diagnosis.

Internet



Wed March 23rd

6.7L Dodge Cummins Diesel Variable Geometry Turbo-Sliding Ring Type

This webinar continues our series on diagnosing today's light duty diesels. We are going to take a detailed look at operation and diagnostics. This VGT system is a very common cause of driveability problems (limp mode) and code P2262. Everything from the sliding ring, control actuator and turbine speed sensor are to be completely covered. Find out what causes the failures and how to prevent them.

INTERNET



Thurs March 31st

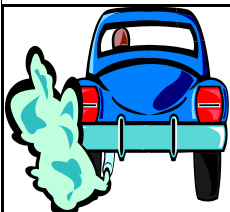
Evening Internet

Chrysler Leak Detection Pump

Chrysler Leak Detection Pump Diagnostics are very common calls on the techline. This webinar will explain the inner workings of the pump and the system. Covered will be the common codes including P1494, P0455, P0456, P0441. Complete diagnosis of the system and the pump will be covered.

Call 973-761-7420 with any Internet Technical Issues

DMV Update



Monday March 28th

NJ State Specific ERT Rules and Regulations

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, But you MUST PRE REGISTER: CALL 973-761-7420 for an application!!!!

NOTE: YOU DO NOT NEED THIS COURSE IF YOU HAVE AN INSPECTOR LICENSE!