

MEA

22 YEARS OF, BY, FOR AUTO TECHNICIANS

September

2011

class calendar

Mechanics' Education Association

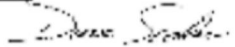
Visit MEAttraining.com for complete class details
Download a Wall Calendar from MEA's Website 908.496.0059

"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
LABOR DAY 	Call to Register For Classroom Training (973)426-9001 For Internet Training: Visit Our Website	7 MEA Training Center 7:00pm—10:00pm 6.7 Cummins Diesel Class NEW	8 MEA Training Center 7:00pm—10:00pm Advanced Computer Controlled Charging System Analysis
12 MEA Training Center NJ Inspector Training Part I	Call Lou on the Hot Line If you want to be an MEA Virtual Hot Line BETA Shop	14 Lunch Internet Noon – 12:30pm Honda Air Fuel Sensor Diagnosis	15 MEA Training Center 7:00pm—10:00pm Hands-On Lab Scope Class UPDATED BRING YOUR LAB-SCOPE TO CLASS!
19 MEA Training Center NJ Inspector Training Part II	NEW 20 Evening Internet Class 8:00pm—8:30pm Shift Interlock System Diagnosis	All Internet Classes No Additional Cost for MEA Members	22 MEA Training Center 7:00pm—10:00pm GM—Ford—Chrysler Coil near Plug & COP Ignition Testing
MEA Training On Your Computer Visit www.MEAttraining.com	27 MEA Training Center 7:00pm—10:00pm Engine Off Natural Vacuum UPDATED OBD II EVAP	28 Evening Internet Class 8:00pm—9:00pm Diagnosing Ford Misfires Using Mode 6 CAN & Non-CAN Vehicles	29 MORNING AM Internet 8:00am — 8:30am FORD PATS

MEA Members Only Calendar

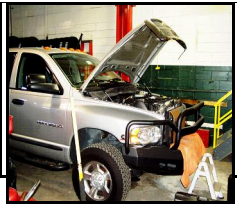
1805 Springfield Avenue Maplewood NJ 07040

September 2011

CALL To Register
For classes
(973) 426-9001

Hotline hours are from 9am to 5pm Monday through Friday Classes are from 7pm to 10pm

Diesel Series



Wed Sept 7th **NEW!!!** **6.7 Cummins Diesel Class**
INCLUDING SLIDING RING VGT TURBO AND DIESEL PARTICULATE FILTERS

This is newest addition to the MEA Diesel training curriculum. This course will cover the latest Cummins engine in Dodge trucks. Components and systems to be covered include: EGR, VGT sliding nozzle turbo, high pressure fuel pump, piezoelectric injectors, and airflow throttle plates. All inputs and outputs that relate to engine performance will be covered in detail. The use of factory scanners, aftermarket scanners, meters and scopes to test the above components will also be covered

ADVANCED



Thurs. Sept 8th **NEW!!!** **SMART CHARGING Systems Computer Controlled Charging**
RVC, SARVC, Gen Com, Gen Mon, ELD, and
EVR NEW GENERATION Computer Controlled Charging System Diagnosis
Including ALTERNATOR COMEBACK ANALYSIS

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. This class will help you quickly decide if it's a bad alternator or if the computer is the cause.

INTERNET



Wed Sept 14th **Lunchtime Internet Class** **Honda Air Fuel Sensor Diagnosis**

Honda has been using this type of Air fuel ratio sensor on different applications for 10 years. Improper diagnosis of these types of O2 sensors is very common because of a misunderstanding of how they operate. One of the biggest differences vs a conventional O2 sensor is that the PCM looks at current to determine air/fuel mixture. Lean Air Fuel sensors are designed to provide feedback of the air/fuel mixtures at a much wider range of lean or rich conditions than conventional O2 sensors. Knowing if it is an LAF or a conventional O2 completely changes how testing is performed. Like with all MEA webinars complete operation and testing of all circuits involved will be covered in detail.

Call 973-761-7420 with any Internet Technical Issues

All Levels



Thurs Sept 15th **UPDATED!!!** **Hands-On Lab Scope Class**

Learn and practice the latest techniques for using the ~~you~~ must have+tool. If you own a lab scope, This course will give you the foundation you need to set up and confidently use your lab Scope. **This is a hands on class that will require you to bring your lab Scope with you to class.** We will be using your Lab Scope live to do voltage testing and current ramping

Internet



Tues Sept 20th **Evening Internet Class** **Shift Interlock System Diagnosis**

This MEA Internet class will show how the shift interlock system works and the testing procedures required for diagnosing failures. The failures are, the vehicle will not come out of park, the shift lever moves out of park when incorrectly and it will not go in to park. We will take you through the interlock actuator, transmission range switch, brake switch and all of the wires that ties all of these components together.

**MEA
Members Only
Calendar**

September 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

ALL LEVELS!



Thurs Sept 22nd

GM-Ford-Chrysler Coil near plug & COP Ignition Testing

This class provides DETAILED, up to date analysis of GM near plug, Ford and Chrysler Coil on Plug Systems which has become the standard in Ignition systems today. We have combined GM, Ford and Chrysler in one comprehensive COP Ignition class showing not only the differences but also the similarities. Class Highlights include: Quick and Accurate No-Start diagnosis, Lab scope testing and pattern analysis, as well as poor driveability are discussed in detail. Chrysler will include all COP systems used in all Chryslers and Jeeps. Crank and Cam sensors including synchronization of both, and how to avoid the %engine swap+blues. Complete testing of COP Coils and trigger circuits. What roll does the PCM play in firing the spark, dwell and ignition timing? Everything from Misfires to NO Start / No Spark will be completely diagnosed and tested

All Levels



Tues Sept 27th

Engine/Key Off Natural Vacuum OBD II EVAP

The Latest Headaches in IMPORT and DOMESTIC EVAP systems

The latest technology and methods to diagnose evaporative fuel system leaks is being performed by the PCM with vehicle OFF. Manufacturers like GM, Ford, Chrysler, BMW, Toyota, Mazda and many others have adopted this type of technology. In this course MEA will show the key differences between previous evaporative systems and Engine Off leak diagnostics. The intent of these systems is to find small leaks (.020) much more effectively than the earlier methods. Learn about Chrysler natural vacuum leak detection assembly's, Ford and GM engine off natural vacuum, Toyota key off vacuum pump. Also covered are other manufacturers like, BMW, Hyundai, Mazda apply their way of achieving Key Off Diagnostics.

INTERNET



Wed Sept 28th

Evening Internet Class

Diagnosing Ford Misfires using Mode 6 CAN & Non-CAN

Identifying what cylinder or cylinders are causing misfires on Ford vehicles can sometimes be difficult to accomplish. This MEA Internet class will show how to ID the problem cylinders very quickly. Mode 6 information is different on non-CAN vehicles when compared to CAN communication equipped vehicles. The proper interpretation of Ford Cylinder Contribution functional testing will also be included. This functional test is very helpful but, it must be evaluated correctly.

Call 973-761-7420 with any Internet Technical Issues

Anti—Theft



Thurs Sept 29th

Morning Internet Class

FORD PATS Anti-Theft Systems

This class will cover Ford's anti-theft systems operation, testing and diagnosing. The key transponder, the transceiver module, and the PATS module will be covered as well as system types. This class will also cover key reprogramming ,adding keys and what scan tools are necessary.

Call 973-761-7420 with any Internet Technical Issues