

MEA

22 YEARS OF, BY, FOR AUTO TECHNICIANS

November

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
7 ASE A-9  Light Duty Diesel Prep	8 MORNING AM Internet 8:00am — 8:30am Chrysler CCD	9 Lunch Internet Noon — 12:30pm Diesel Particulate Filter	10 ASE Test Night  No Classes Tonight
MEA Training Center 7:00pm—10:00pm Understanding Today's Trans and Engine Oils	15 ASE Test Night  No Classes Tonight	16 Special One Hour Internet Evening Internet Class 8:00pm—9:00pm VW Power Windows 	17 ASE Test Night  No Classes Tonight
21 Evening Internet Class 8:00pm—8:30pm Parasitic Draw Testing Techniques	22 MEA Training Center 7:00pm—10:00pm Ford Air Suspension 	Call to Register For Classroom Training (973)426-9001 For Internet Training: Visit Our Website www.MEAttraining.com	Happy Thanksgiving 
28 MEA Training Center 7:00pm—10:00pm CAN and other NO Communication Problems	29 Evening Internet Class 8:00pm—8:30pm GM Power Mode Master Charging Systems	30 Evening Internet Class 8:00pm—8:30pm What the HEX! BMW Hex Codes Featuring Launch Scanner	1 MEA Training Center 7:00pm—10:00pm Electronic Throttle Operation / Testing

**MEA
Members Only
Calendar**

1805 Springfield Avenue Maplewood NJ 07040

November 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

ASE PREP



Mon. Nov 7th ASE A-9 PREP – Light Duty Diesel

New to the MEA ASE Test Prep series is the A-9, Light Duty Diesel Class. We will cover Diesel engine design and machining, mechanical and electronic diagnosis. Common rail systems theory and operation. There will also be extensive coverage of the turbo VGT systems and intake system diagnosis. Complete electronic engine management including all sensors and actuators. We will also spend time covering Diesel injectors including testing, operation and diagnosis. If you have been shying away from this test because you are a "Gas Guy", this Prep class is for you!!

INTERNET



Tues Nov 8th Morning Internet Class Chrysler CCD Diagnosis

This class is designed to help the technician attack a no communication problem with THE MOST POPULAR Chrysler Data Line Circuit in your shop today the Chrysler CCD bus network. By learning and understanding how onboard computers are tied together, we can quickly diagnose. 1996-2006 CHRYSLER CCD Networks in minutes! This class will cover the 2-minute MEA diagnostic test, which will put you quickly on the right path to diagnosing these systems.

Call 973-761-7420 with any Internet Technical Issues

INTERNET



Wed Nov 9th Lunchtime Internet Class Diesel Particulate Filters (DPF)

Diesel particulate filters (DPF) have been installed on most new diesel vehicles. These filters are new to many people and have a process called regeneration done to keep them operating efficiently. In this webinar we are going to cover multiple types of DPF filters as well as different types of regeneration. Also covered will be maintenance changes to prolong the life of this system including low sulphur fuel and new oil ratings.

All Levels!!!



Mon Nov. 14th Understanding Today's Engine Oils and Transmission Fluids

Needless to say Engine Oils and Transmission Fluids have changed greatly over the last couple of years. The days of having only a few choices are long gone. There are many myths and misconceptions on what oils to use and what is the interchangeable between vehicles. Find out how to use the Oil and Transmission rating to make the right selection and learn how and why you do not want to mix the wrong combinations. This fact filled class will get you up to speed on today's Engine Oils and Transmission Fluids, and give you the knowledge to make good decisions, not decision based on "what you heard" was OK to do. This class is being presented by Amsoil Lubricants.

Internet



Wed Nov 16th Special 1 Hour Evening Internet

VW Electronically Controlled Power Windows

VW powers windows have evolved to same complexity as engine controls. This webinar will take you from beginning to end of all the circuits involved. Pulsed controlled master switch, DDM and PWM are some of the components to be covered. Bi-directional actuator testing using expert mode with any Snap-on scanner will be shown.

Call 973-761-7420 with any Internet Technical Issues

Internet



Mon Nov 21st Evening Internet Parasitic Draw Testing Techniques

Parasitic Draw Testing is one of the most common fundamental tests that auto technicians do everyday. As vehicle manufacturers add more and more controllers on the car, proper techniques are critical to an accurate diagnosis. This webinar will cover proper techniques including specifications that can be applied to all cars, and will review some of the most common errors when performing the battery draw test that can lead to misdiagnosis.

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Updated!



Tues Nov 22nd

Diagnosing "Dropped" Air Suspension Systems

These systems have always been a challenge to most technicians, but in this class you will get the answers to the most common questions. From how to pull codes, to leak detection, to understanding the many different systems employed by Ford. Complete testing of solenoids, height sensors, actuators, and compressors. Learn the self diagnostic systems including Star Tester Mode. Complete coverage of EVO, VAPS, ARC, SARC, RAS, 4WAS, SSM and VDM.

ADVANCED



Mon Nov 28th

CAN and other NO Communication Problems

Including: CAN, CCD, PCI, Class 2, SCP, UART Data Line Networks and more!!

THIS CLASS IS ABOUT PRACTICAL ANALYSIS, NOT SERIAL DATA THEORY

When a MIL is lit, the scanner is normally the first tool to choose to ID DTC's, and data stream. But when the scanner does not communicate or if series network codes are set, it can often leave a tech with no direction. This class is designed to help the technician attack a no communication problem with confidence, by learning and understanding how onboard computers are tied together with Multiplex Networks. 1996-2009 Networks covered in this class will include CCD, PCI, Class 2, SCP, CAN, UART and More!! CAN (Controller Area Networks), is the latest of communications network, which has been phased into to ALL cars by 2008. This class will cover the 2-minute MEA diagnostic test, which will put you quickly on the right path to diagnosing these systems.

INTERNET



Tues Nov 29th

Evening Internet Class

GM Power Mode Master Charging Systems

GM's newest charging systems are controlled by computers. We will cover the use of the Power Mode Master and its role in maintaining SOC. We'll see how modules like the PCM, BCM, and others work together to monitor battery current flow, and the different modes of operation to optimize the systems performance. We will cover the Regulated Voltage Control as well as Stand Alone Voltage Control and Load Management. Covered will be operation, and testing of these latest systems.

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INTERNET



Wed Nov 30th

Evening Internet Class

BMW Hex Codes featuring Launch Scanner

BMW faults are causing some grief. The reason being is that codes retrieved may be displayed in hexadecimal format. When you go looking for the flow charts, to match the HEX codes, their nowhere to be found. This webinar will show how to how get past this obstacle. We are going to feature the Launch scanner for this webinar. This is the beginning, in a series of the Launch scanner training.

Call 973-761-7420 with any Internet Technical Issues

All Levels!

**"FLY
BY
WIRE"**

Thurs Dec 1st

Electronic Throttle Systems Operation and Testing

All Newer Vehicles are coming equipped with Electronic Throttle System, sometimes called "Fly By Wire". This class will cover multiple systems from Ford, GM, Nissan, Toyota and More. APP sensors, TPS sensors, TAC Modules, H-Bridge, and Throttle Bodies will be covered in detail. Testing and operation off all components will be covered as well as cleaning throttle bodies and relearning idle speed will be covered.