

# MEA

**22 YEARS OF, BY, FOR AUTO TECHNICIANS**

# May

# 2011

class calendar

## Mechanics' Education Association

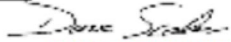
Visit [MEAttraining.com](http://MEAttraining.com) for complete class details

Download a Wall Calendar from MEA's Website 908.496.0059

### 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

### "Bring a Pad to class"

**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

## May is MEA's Anniversary Month – Happy 22nd

Monday	Tuesday	NEW Wednesday	Thursday
2 <b>NJ Inspector Course Night 1</b>	Call to Register For Classroom Training (973)426-9001 For Internet Training: <a href="http://www.MEAttraining.com">www.MEAttraining.com</a>	4 <b>"NEW"</b> <a href="#">MORNING AM Webinar</a> 8:00am – 8:30am <b>Parasitic Draw Diagnostic Techniques</b>	5 <b>ASE Test Night</b> No Class Tonight
9 <b>NJ Inspector Course Night 2</b>	10 <b>ASE Test Night</b> No Class Tonight	11 <b>Basic Air Conditioning Testing and Operation</b>	12 <b>ASE Test Night</b> No Class Tonight
Call Lou on the HotLine If you want to be an MEA Virtual HotLine BETA Shop	17 <b>NEW</b> Special One Hour Evening <a href="#">Evening Internet Class</a> 8:00pm–9:00pm <b>NO AC Clutch Diagnosis</b>	18 <b>NEW</b> <a href="#">Lunch Webinar</a> Noon – 12:30pm <b>Lab Scope Testing Techniques</b>	19 <b>FORD VVT Returnless Fuel And MORE!!!</b>
23 <b>Subaru Engine Diagnostics</b>	24 <b>NEW</b> Special One Hour Evening <a href="#">Evening Internet Class</a> 8:00pm–9:00pm <b>5.9 Cummins Common Fuel Rail Systems</b>	25 <b>NEW</b> <a href="#">Evening Internet Class</a> 8:00pm–8:30pm <b>GM Key Off Evap System Diagnosis</b>	26 <b>FORD Sensor Input Testing DVOM and Scanner</b>

## May is MEA's Anniversary Month Founders Happy 22nd

### Internet



**Weds. May 4th**

**NEW!! Morning 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.

**Call 973-761-7420 with any Internet Technical Issues**

### All Levels!



**Wed. May 11th**

**Basic Air Conditioning**

The hot summer months are here!! This class will help you get prepared before those money making A/C jobs roll into your shop. Learn why knowing basic A/C theory will make diagnosing even the most challenging systems easier. This course is a great review for the experienced and a great place to start for the beginner. Other topics include: relationship of temperature to pressure, diagnosing compressors, expansion valves and cycling clutch systems. Diagnosing systems using gauge readings. What does it mean when high pressure is too high or low pressure is too low? This class will give you the foundation you need to fix ANY AC system!

### Internet



**Tues. May 17th**

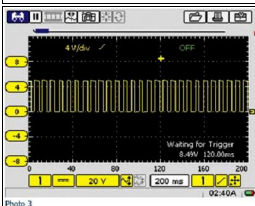
**Special One Hour (8-9pm) Evening Internet**

**NO AC Clutch Diagnosis**

The webinar is intended to cover the common causes that prevent the AC clutch and coil to properly engage. High and low pressure switches, clutch cycling switch, refrigerant pressure sensors, ambient temp sensors, and evaporator temp switches/sensors will be covered. Also to be covered are how to properly perform a voltage drop test of the power and ground supplies.

**Call 973-761-7420 with any Internet Technical Issues**

### Internet



**Weds May 18th**

**Lunchtime Internet**

**Case Studies of Successful Labscope Techniques**

This class will cover the Case Studies of a variety of ~~the~~ 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 be found in any other way!

# MEA Members Only Calendar

# MAY 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

## Intermediate



**Thurs. May 19th**

**Ford Returnless Fuel, VVT and MORE!**

The next step in Ford diagnostics revolves around the most common problems we see in the shops today. One that has been with us for awhile is Cam/Crank Sync. Learn the value of having this setting right and the problems that are created when it's not. Also we'll cover procedure for setting the sync when the %Special Tool+ is not available. Next it is time to get a handle on Variable Valve Timing. Very common in the popular 2.0 L engine. Learn the proper way to diagnose codes P1381 and P1383. Finally a look at Electronic Returnless Fuel Systems including operation and testing of the Fuel Pump Module, Fuel Rail Pressure Sensor, Fuel Temperature Sensor and More!

## All Levels



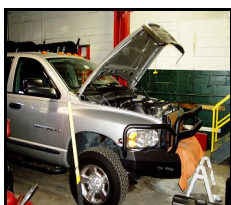
**Mon. May 23rd**

**NEW!!**

**Subaru Engine Diagnostics**

Fixing a Subaru has never been easier now that MEA has a class for these cars. The course will cover all aspects of the New Generation computerized engine control diagnosis. All 12 input and output quick testing procedures are covered as well as in depth analysis of the #1 Subaru failure. Air/Fuel Sensor. G6 systems will be detailed including WRX turbo and non turbo systems. PO340 diagnosis traps are no longer as the secrets to this unique monitor are revealed. Unique misfire strategies that can lead to misdiagnosis, including: P0501 and timing belt errors. Common failures and %MEA Only+specifications makes this class a must attend for the driveability tech.

## Internet



**Tues. May 24th Special One Hour (8-9pm) Evening Internet 5.9 Cummins Common Rail Systems**

The most common failure on these vehicles is a no start, because of no fuel. We will be covering the low pressure and high pressure fuel systems in complete detail. Low pressure transfer fuel pump, high pressure fuel pump, fuel rail pressure sensor, pressure relief valve, connector tubes, and all of electrical circuits and wiring that are involved.

**Call 973-761-7420 with any Internet Technical Issues**

## Internet



**Tues. May 25th**

**Evening Internet**

**GM Key Off Evap**

In this webinar we are going to be covering GM versions of key off EVAP. The hardware components are the same as previously used, but the strategies on finding leaks have changed. Understanding how the PCM performs these tests will make your diagnosis easier. Proper operation and testing of the purge solenoid, vent solenoid, fuel tank pressure sensor and all of the wiring involved will be covered.

**Call 973-761-7420 with any Internet Technical Issues**

## All Levels!



**Thurs. May. 26th**

**Ford Sensor Input Testing DVOM and Scanner**

This course will include complete sensor diagnosis, with emphasis on OBD II Monitors. Actuator output testing, idle speed control and newly updated IMRC (Intake Manifold Runner Control) operation and testing. Complete fuel system diagnosis with particular attention to the CMP sensor that has so many of us stumped. Ignition systems including Push-start and CCD. Learn Ford's self test strategy and how, although it always seemed that they gave us less, we'll see where they actually give us more information!