

# MEA

22 YEARS OF BY FOR AUTO TECHNICIANS

# October

# 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

## "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*

—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
<p>MEA also offers ALL NJ State ETEP &amp; DMV Classes</p> <p>All Conventional Classes are at the Maplewood Location unless otherwise indicated</p>		<p>5 <a href="#">Evening Internet Class</a> 8:00pm—8:30pm</p> <p><b>I Can't Get The Monitors to Run</b></p>	<p>6 <a href="#">Evening Internet Class</a> 8:00pm—8:30pm <b>NEW</b></p> <p><b>Fix Chryslers using System Tests</b></p>
<p><b>Call to Register</b> For Classroom Training (973)426-9001</p> <p>For Internet Training: Visit Our Website <a href="http://www.MEAttraining.com">www.MEAttraining.com</a></p>	<p>11 <a href="#">Evening Internet Class</a> 8:00pm—8:30pm</p> <p><b>GM Pass Lock Anti Theft Systems</b></p>	<p>12 <a href="#">MEA Training Center</a> 7:00pm—10:00pm</p> <p><b>Computerized Body Electronics</b></p>	<p>13 <a href="#">Lunch Internet</a> Noon – 12:30pm</p> <p><b>Case Studies of Successful Lab Scope Techniques</b></p>
<p>MEA Training On Your Computer Visit <a href="http://www.MEAttraining.com">www.MEAttraining.com</a></p>	<p>18 <a href="#">MEA Training Center</a> 7:00pm—10:00pm <b>UPDATED</b></p> <p><b>Toyota—Lexus—Scion Driveability</b></p>	<p>19 <a href="#">MORNING AM Internet</a> 8:00am — 8:30am</p> <p><b>Electronic Power Steering</b></p>	<p>20 <a href="#">MEA Training Center</a> 7:00pm—10:00pm</p> <p><b>Why Doesn't It Start!!</b> <b>UPDATED</b></p>
<p>24 <a href="#">MEA Training Center</a> 6:00pm—10:00pm</p> <p><b>ASE L-1 Prep One Night Note New Time</b></p>	<p>25 <a href="#">MEA Training Center</a> 7:00pm—10:00pm</p> <p><b>ASE A-8 Prep</b></p>	<p>All Internet Classes No Additional Cost for MEA Members</p>	<p>27 <a href="#">MEA Training Center</a> 7:00pm—10:00pm</p> <p><b>ASE A-6 Prep</b></p>

**MEA  
Members Only  
Calendar**

# October 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

**INTERNET**

**QUICK TEST RESULTS**

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Readiness Test (Mode 1):  
 Comprehensive Comp: Ready  
 Fuel System: Ready  
 Misfire Monitor: Ready

Oxygen Sensor: Ready  
 Oxygen Sensor Heater: Ready  
 Catalyst: Ready  
 Evaporative System: Ready  
 EGR System: Not Available  
 Secondary Air System: Not Available

**Wed. Oct 5th Evening Internet Can't Get The Monitors To Run!**

Did you ever have a car that refused to run the monitors? This class will cover the proper procedures for running the monitors, and how to find them? Sometime cars will go thousands of miles and still the monitors will say %not ready+. We will also cover some of the reasons why, as well as tips and tricks to getting the monitors to run. If you are a driveability tech who has ever has the impossible to run monitors, or you are the person responsible to get a car ready for a state inspection program, this class is for you.

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

**INTERNET**



**Thur. Oct 6th Evening Internet Fix Chryslers using System Tests**

This newest MEA webinar will give you all the details on how to take full advantage of the bi-directional capabilities of SYSTEM TEST. We will show how to perform manual testing of circuits and components while system test is running in the background. Come learn how to let the PCM and the scanner do the hard work for you.

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

**INTERNET**

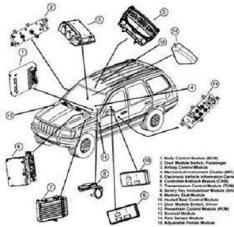


**Tues. Oct 11th Evening Internet Class GM Pass Lock Anti Theft Systems**

This MEA Webinar will look at the most common failures of the GM Pass Lock system. Learn how high failure GM theft system works and how to diagnosis it. Also the procedures to Re-Learn the system after repairs or when keys are lost. Pass key I , II and Pass Key III will also be highlighted as well as the evolution of GM anti-theft. Don't miss it!!

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

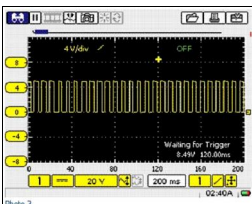
**Intermediate**



**Wed. Oct 12th Computerized Body Electronics**

This class will provide diagnostic and testing information on electronically controlled wipers, electric power sliding doors (PSD), electronic cruise control systems and pulsed controlled power windows. Cruise control and power windows now have multiple modules involved for proper operation. It is no longer as simple as pushing a switch when it comes to diagnosing these systems. The class will cover the application of tests using scan tools, volt meters, and lab scopes. Dave will discuss common problems with all of the key components, including PSD motors, PSD detent switches, optical sensors, B pillar switches, remote keyless entry (RKE), drive motor assemblies, latch actuators, multi-function switches, wiper control modules (wiper governors), wiper motor low-high-delay operation, and the sometimes difficult to diagnose, %the wipers do not want to park+complaint. Wire by wire analysis of all these systems will be covered in detail.

**Internet**



**Thur. Oct 13th Lunchtime Internet Case Studies of Successful Lab Scope Techniques**

This class will cover the Case Studies of a variety of %the bay+fixes that could not have been done better or faster without a lab scope. If you find yourself not taking full advantage of your lab scope (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!

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**Import Series**



**Tue. Oct 18th                      NEW and UPDATED                      Toyota, Lexus and 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**



**Wed Oct 19th                      Morning Internet Class                      ELECTRONIC Power Steering**

More and More vehicles today are equipped with Electronic Power Steering. This web class will cover this emerging technology and how to diagnose it. From system design, to operation and troubleshooting this web class will show you the ins and outs of ELECTRONIC Power Steering systems. Electronic Power Steering systems have a computer that constantly monitors and controls variable power assist. THE OLD WAYS of diagnosing Hydraulic Power Assist NO LONGER APPLY! This class will be designed to develop new strategies for repairing these systems.

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

**All Levels**



**Thurs. Oct 20th                      Why Doesn't it Start???** **No Start Diagnostics**

When it comes to a "NO Start", we all know there are some basic questions we must ask ourselves with every car. Does it have spark and injector pulse? Is there fuel pressure? Correct fuel pressure!! Is it breathing and do we have all these things at the right time? However, we have also learned that each system has its common problem areas. COP vs DIS Spark Control. Multipoint vs Sequential Injection. What part does Cam / Crank synchronization play? This class will cover testing and diagnosis of all these areas. We'll include . Crank - No Start, No Crank -No Start, Long crank time and many more scenarios. Whether your customer base is mostly Domestic or Import this class will benefit all of your technicians and ultimately your customers.

**ASE A-8 PREP**

Tuesday October 25th

**Engine Performance**

- Sample Questions
- Emission Diagnosis
- Fuel & Air Induction
- Ignition Diagnosis
- Computerized Engine Controls
- Engine & Electrical Systems

**ASE L-1 PREP**

Monday October 24th

**Special 4 Hour Course**

**6pm - 10pm**

**Advanced Engine Performance**

- Ignition & Fuel Systems
- Emission Failures
- Datastream Interpretation
- Composite & Non-composite vehicle systems
- Find weak areas before the test

**ASE A-6 PREP**

Thursday October 27th

**Electrical Systems**

- General Electrical
- Schematics
- Circuit Failures
- Voltage Drop Testing
- Amps-Ohms-Volts
- Starting & Charging Systems