

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

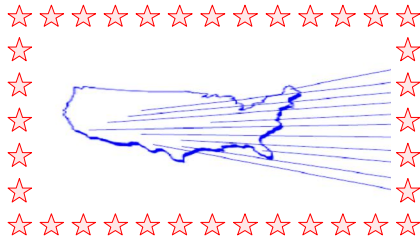
\*\*\*Download complete Wall Calendar from Website\*\*\*

1989

Classroom Classes

2009

On-Line Classes



"We consolidate some of what we learn from our Live Tech Support Hot Line and some of our Real World on-the-job training, Tech Van Fixes, into each MEA Class – On-Line and Classroom"

MEA Technical Training Director  
Dave Scaler

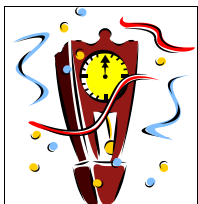
MEA Office: 973-761-7420

MEA also offers ALL NJ State ETEP & DMV Classes

# December Class Calendar

All Conventional Classes are at the Maplewood Location unless otherwise indicated

Monday	Tuesday	Wednesday	Thursday
<p><b>Call to Register</b> For ALL Classes Internet and Conventional (973) 426-9001</p>	<p>1 ALL INTERNET CLASSES <b>NO EXTRA COST TO MEA MEMBERS</b></p>	<p>2 ALL BRANDS Wide Band, Broad Band Planar, Wide Ratio Air Fuel Ratio Testing</p>	<p>3 CALL FOR NJ <b>EMISSION REPAIR UPDATE CLASSES</b> 973-761-7420</p>
<p>7 <b>WE ARE YOUR NJ EMISSION RULES and REGULATION INFORMATION SOURCE</b></p>	<p>8 <a href="#">Evening Internet Class</a> Today 8:00 PM ó 8:30 PM <b>Understanding Shift Solenoids "Fix IT or Ship It"</b></p>	<p>9 <b>HYBRIDS</b> Toyota and Ford Systems</p>	<p>10 <a href="#">LUNCH Internet Class</a> Today 12:00 ó 12:30 <b>BMW Engine OFF Evap Diagnosis</b></p>
<p><b>MEA TRAINING ON YOUR PC</b> Visit <a href="http://www.MEAttraining.com">www.MEAttraining.com</a></p>	<p>15 <a href="#">LUNCH Internet Class</a> Today 12:00 ó 12:30 <b>GM Transfer Case Shift Motor Diagnosis</b></p>	<p>16 <b>Electronic Throttle Operation and Testing</b></p>	<p>17 <a href="#">Evening Internet Class</a> Today 8:00 PM ó 9:00 PM <b>I Can't Get the Monitors to Run! One Hour Webinar</b></p>



Merry Christmas!!  
AND  
HAPPY NEW YEAR!!



**MEA  
Members Only  
Calendar**

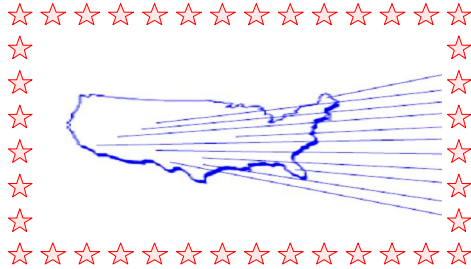
1805 Springfield Avenue Maplewood NJ 07040

# December 2009

CALL To Register

For classes  
(973) 426-9001

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



### Auto Technicians Nationwide

For just \$30/class you can "Learn On-Line". Tap into some of MEA's 20 years of experience. Real World, Live Hotline Support, on the job Tech Van **SOLUTIONS**. More than 25 hours of Instructor Preparation and Information are consolidated into each On-Line Class. Purchase an MEA Online Individual Prepaid Membership (10 classes) for \$200 and save \$100.

**NEW!!**

**Wed. Dec. 2nd** **Wide Band, Broad Band Planar, Wide Ratio Air Fuel Sensor Testing**

Most manufacturers are now using some type of these sensors. The purpose of these sensors is to verify fuel control under a **wider range** of rich and lean conditions that conventional O2 sensors can't accomplish. These sensors are typically very expensive to replace and can be difficult to diagnose with out a factory scanner. This class will show you how to diagnose with meters, labsopes, and the scanners that you already use. We will cover the Bosch, NTK, Denso, Toyota, GM., Nissan, Honda and many more versions of this sensor. Single cell and dual pump current types will be covered. Come and see how Zirconia and Planar O2 sensors achieve this task. Don't miss out on **diffusion gap/chamber diagnostics**.

**INTERNET**

**Tues. Dec. 8th** **Evening Internet Class** **Understanding Shift Solenoids**


**Distance Learning – Learn On-Line**

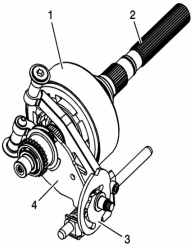
Sometimes it is difficult for a Repair shop to know if the transmission problem is electrical or mechanical. Electrical repairs are often best kept in house, where a mechanical transmission repair may be best sent to a trans shop. In many cases with computer controlled transmissions we have fast and effective ways to diagnose electrical concerns over mechanical concerns. This webinar will look at Pressure Control Solenoids and Shift solenoids, how they operate and how to get to the bottom of the problem fast!

**Hybrid**

**Weds. Dec 9th** **Hybrid Vehicles Toyota/Ford–Operation & Service**

Starting in 1999 these vehicles are actually getting old and are very likely to end up in your bay! We will cover , Toyota and Ford systems from 1999 . 2005. Highlights include 144, 274, 202, 300 and 500 volt systems., Hybrid Synergy Drive, Regenerative Braking, Series and Parallel Drive Systems, Insulated Gate Bi-Polar Transistors, IMA Operation, Safety Shut-off Systems and much more. This class is a must for all technicians. Whether you do routine service or are the driveability expert, knowledge of these systems and how to service them is imperative!

<b>INTERNET</b>	<b>Thurs. Dec. 10th</b>	<b>Lunchtime Internet Class</b>	<b>BMW Engine OFF EVAP Diagnosis</b>
 <b>The Ultimate Driving Machine</b>	<b>Distance Learning – Learn On-Line</b>		
	<p>The newest and latest EPA regulations require manufacturers to be able to identify a .020(.5mm) leak in there evaporative fuel systems. BMW uses a DT-LM (Diagnoses Module-Tank Leakage) motor to properly identify very small leaks in the evaporative fuel system. This method of performing a leak test is done with the vehicle completely off (key out of the ignition) and pressure applied to the system. This webinar will provide all the information, strategies and specifications to properly understand and diagnose quickly.</p>		

<b>INTERNET</b>	<b>Tues. Dec 15th</b>	<b>Lunchtime Internet Class</b>	<b>GM Transfer Case Shift Motor</b>
	<b>Distance Learning – Learn On-Line</b>		
	<p>This MEA webinar will focus on quick diagnoses of the <b>encoder motor</b> used on GM 4x4 transfer cases. All components in the encoder motor assembly will covered. These include the motor, the feedback sensor and the lock (brake) solenoid. <b>Voltage and amperage</b> specifications for all of the components will be given.</p> <p style="text-align: center;"><b>Call 973-761-7420 with any Internet Technical Issues</b></p>		

<b>All Levels!</b>	<b>Weds. Dec. 16th</b>	<b>Electronic Throttle Systems Operation and Testing</b>	
<b>“FLY BY WIRE”</b>	<p>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 opera-</p>		

<b>INTERNET</b>	<b>Thurs. Dec 17th</b>	<b>Evening Internet</b>	<b>Can't Get The Monitors To Run!</b>
<b>OBD II MONITORS</b>  <b>ONE HOUR WEBINAR</b>	<b>Distance Learning – Learn On-Line</b>		
	<p>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 will 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</p>		