

MEA

22 YEARS OF, BY, FOR AUTO TECHNICIANS

April

class calendar

2011

Mechanics' Education Association

Visit MEAttraining.com for complete class details

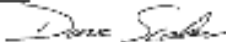
Download a Wall Calendar from MEA's Website 908.496.0059

"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
<p>Call Lou on the HotLine If you want to be an MEA Virtual HotLine BETA Shop</p>	<p>Call to Register For Classroom Training (973)426-9001 For Internet Training: www.MEAttraining.com</p>	<p>6 Lunch Webinar Noon – 12:30pm Ford P0171 & P0174 Diagnose in 10 Minutes or LESS!</p>	<p>7 Asian / Euro Evap Testing BMW, KIA Hyundai, Toyota, Mazda, & Volvo</p>
<p>11 Subaru Engine Control Systems</p>	<p>12 Evening Webinar 8:00pm—8:30pm Ford PATS Anti-Theft Systems</p>	<p>If you are only using the Tech Line, you are not getting the Full Benefit from your MEA Membership. GO TO SCHOOL</p>	<p>14 GM 6.6L Duramax Diesel</p>
<p>18 ASE A-8 Prep Engine Performance</p>	<p>NEW 19 "NEW" MORNING AM Webinar 8:00am — 8:30am GM Anti-theft Systems</p>	<p>20 ASE A-9 Prep Light Duty Diesel</p>	<p>21 Special "One Hour" Evening Webinar 8:00pm—9:00pm VW Measuring Block Scan Data Diagnosis Generating Readiness Monitors</p>
<p>NEW 25 Special One Night 4 Hour Course 6pm—10pm ASE L-1 Prep</p>	<p>26 Evening Internet Class 8:00pm—8:30pm Proper Smoke Testing Techniques Evap Systems</p>	<p>27 ASE A-6 Prep Electrical Systems</p>	<p>28 Evening Internet Class 8:00pm—8:30pm ORVR On Board Refueling Vapor Recovery</p>

**MEA
Members Only
Calendar**

1805 Springfield Avenue Maplewood NJ 07040

April 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

INTERNET

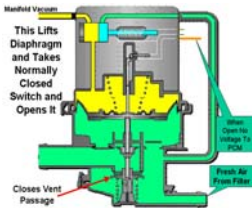


Wed. April 6th Lunchtime Webinar Ford P0171 / P0174 Diagnose in 10 Mins or LESS

These 2 OBDII codes are the most common failures in the state lanes. This 30 minute webinar is designed to show you how to diagnosis these codes on a FORD product in 10 minutes or less. While everyone has most likely fixed these codes before, this course is designed to keep the diagnosis from being the "the last Windstar I had was....."

Call 973-761-7420 with any Internet Technical Issues

All Levels



Thurs. April 7th EURO / ASIAN EVAP DIAGNOSIS CLASS!

This course will cover complete component and **wire by wire testing** on many of the most popular European and Asian models, including BMW, Volvo, Mazda, Kia, Hyundai, and all Toyota. These are manufacturers that are common to have EVAP leak codes set. Common codes (P1456- fuel tank area leak) and (P1457-canister area leak) on Honda/Acura vehicles. P0440, P0441 and P0446 on Toyota/Lexus. Codes P1491, P0455 and P0446 on Nissan/Infiniti vehicles will be completely diagnosed. Voltage and current specifications not in or easily found in service information systems for VSV, FTP,CCV,VCV and more will be detailed in this course.

All Levels



Mon. April 11th 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.

Anti—Theft



Tues. April 12th Evening Webinar 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

Diesel!!!



Thurs. April 14th GM 6.6 Duramax Diesel!

This course covers GM latest in Diesel EngineTechnology. This high intensity class will get you up to speed on GM Diesels in a very short time. Class Highlights include: High Pressure Fuel Systems, 93 Volt, 42 Volt, and 24 Volt Injectors. G.P.C.M. and F.I.C.M. operation and testing, Complete sensor diagnosis including MAF, APP, Fuel Rail Pressure, ECT and Fuel Temp. Variable Geometry Turbos diagnosis, Glow Plugs system troubleshooting. Understanding balancing rates to I.D. faulty injectors. Pilot and Main Injection operation and testing. Common scanner tests that SHORTEN diagnostic times! Don't miss it!

Internet



Tues. April 19th NEW!! Morning Webinar GM Passkey II Anti Theft Systems

This MEA Webinar will look at the most common failures of the GM Passkey II 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 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

MEA Members Only Calendar

April 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



Thurs April 21st "SPECIAL One Hour" Evening Webinar VW Measuring Block Diagnosis

The intent of this webinar is to learn how to find and interpret the factory data stream (called measuring blocks on VW) using the Volkswagen software that is in your Snap-On scanner. The Snap On software has the ability to display data, just like a factory scan tool. The data is displayed the same as in the VW factory tool, but sometime the VW format leads to confusion. The ability to interpret the VW measuring blocks is critical in diagnosis, as the Generic OBD II data stream is not sufficient in most cases. Accessing the factory level measuring blocks will shorten your diagnostics times considerably. Some examples to be covered are Misfire Counter, Turbo Boost performance, Factory Fuel Trims (called Additive and Multiplicative) and more.

Call 973-761-7420 with any Internet Technical Issues

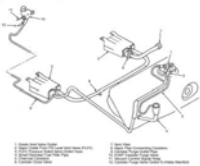
Internet



Tues. April 26th Evening Webinar Proper SMOKE Machine Techniques for EVAP Diagnosis

This webinar will cover how to avoid the common pitfalls when applying smoke to evaporative systems to find leaks. Not all systems are smoke tested the same. Improper techniques will either not find leaks or have you chasing what appears to be a leak that is not. We will show how to properly seal systems that are commonly known to cause problems. Domestic, Asian and European manufacturers will be covered.

INTERNET



Thurs. April 28th Evening Webinar ORVR Onboard Refueling Vapor Recovery

Because of EPA requirements evaporative fuel systems have to recover fuel vapors during refueling events. In this webinar we will be covering the components that are involved in achieving this operation. Recirculation tube, anti-spit back valve, re-fueling valves, shut-off valves and the rest of system components are to be discussed. Problems that can occur if the ORVR system is malfunctioning are difficulty in filling fuel tank, intermittent fuel odor complaints and check engine light on. This is MEA webinar is to help you get through the above problems as quickly and accurately.

Call 973-761-7420 with any Internet Technical Issues

ASE A-8 PREP

Monday April 18th

Engine Performance

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

ASE L-1 PREP

Monday April 25th

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

Wednesday April 27th

Electrical Systems

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

ASE PREP



Wed. April 20th

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!!