

MEA

22 YEARS OF, BY, FOR AUTO TECHNICIANS

July

2011

class calendar

Mechanics' Education Association

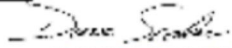
Visit MEAttraining.com for complete class details

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

Monday	Tuesday	Wednesday	Thursday
 <p>Happy 4th of July</p>	<p>Call to Register For Classroom Training (973)426-9001 For Internet Training: www.MEAttraining.com</p>	<p>6 Evening Internet Class 8:00pm—8:30pm</p> <p>I can't get the Monitors To Run</p>	<p>7 MEA Training Center 7:00pm—10:00pm P0401 EGR Low Flow Testing and Diagnosis</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>12 Lunch Internet Noon – 12:30pm</p> <p>Virtual -Hot Lineø Reprogramming with MEA</p>	<p>13 MORNING AM Internet 8:00am — 8:30am</p> <p>Electronic Power Steering</p>	<p>14 MEA Training Center 7:00pm—10:00pm A/C Comeback Analysis Alternative Testing Techniques</p>
<p>18 Special One Hour Evening Evening Internet Class 8:00pm—9:00pm</p> <p>Understanding VGT Turbos</p>	<p>Call Lou on the Hot Line If you want to be an MEA Virtual Hot Line BETA Shop</p>	<p>20 MEA Training Center 7:00pm—10:00pm</p> <p>Honda PGMô FI</p>	<p>MEA Training On Your Computer Visit www.MEAttraining.com</p>
<p>25 Evening Internet Class 8:00pm—8:30pm</p> <p>Chrysler Electronic Cruise Control</p>	<p>All Internet Classes No Additional Cost for MEA Members</p>	<p>27 MEA Training Center 7:00pm—10:00pm</p> <p>Current Ramping With Your Lab Scope</p>	<p>28 MEA Training Center 7:00pm—10:00pm</p> <p>Sprinter Diesel Engine Management</p>

MEA Members Only Calendar

1805 Springfield Avenue Maplewood NJ 07040

July

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

QUICK TEST RESULTS

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. July 6th

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

All Levels



Thurs July 7th

P0401 EGR Low Flow Testing & Diagnosis

P0401 is the seconds most common code to occur on a car. This class will cover how to test the TOUGH ONES! When the EGR System seems to be working, but the PCM still sets a P0401, advanced testing techniques are needed. If the PCM is correct in setting the P0401, this could mean replacement of the INTAKE MANIFOLD. The Intake Manifold often is not available as a new part, very labor intensive, and a used one may be as bad as the one you are testing. Or the car may still have a problem in the EGR system itself. This class will cover the techniques that a technician needs to be confident in the diagnosis.

Virtual Internet



Tues July 12th

Virtual Lunchtime Internet Class

Reprogramming with MEA

This webinar is designed to help you understand how MEA's Virtual Hotline can help you reprogram or reflash cars in your own bay through J2534, VAG-COM, and SNAP ON VERUS. MEA's Virtual Hotline is the FIRST of its kind in the INDUSTRY, and can help to assist you in repairing cars in a way no one else can. MEA will be able to take over your computer and mouse operations from our training center and help you with CODING, RE-FLASHING, and RE-PROGRAMMING in YOUR bay! This course will introduce the process and WILL NOT require a password!

Call 973-761-7420 with any Internet Technical Issues

INTERNET



Wed July 13th

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

Updated



Thurs. July 14th

AC Comeback Analysis / Alternative Testing Techniques

This class will cover the analysis of AC Comebacks, and how to insure that the same comeback does not happen again. This class will cover leak comebacks, defective parts, and how some "standard" repair practices work on some cars well, and how they backfire on other cars. Oils, contamination, compressor failures, hoses, retrofit comebacks, leaks will all be covered to make sure the technician has the best information to make informed choices for AC repairs. This class will also cover alternative testing techniques like Temperature vs. Pressure testing and the pros and cons of this method of testing. This course is a great compliment course to our Basic Air Conditioning class.

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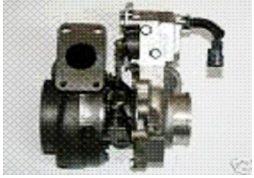
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Internet 1 Hr



Mon July 18th Evening Internet Class 1 Hour Understanding VGT Turbos GAS AND DIESEL

The VGT method of turbo charging today's DIESEL vehicles has taken the place conventional wastegate operated turbochargers. Gasoline vehicles are quickly adopting this method also. This webinar will show the common ways of achieving VGT or VNT charge pressures. Everything from the unison ring, VGT solenoid, variable vanes, boost sensor and more will be covered. Comparisons to conventional turbo's will be also discussed. Whether it is a complaint of lack of power or the check engine light is on with codes related to the VGT turbo, this webinar will show how to effectively diagnose all failures.

Call 973-761-7420 with any Internet Technical Issues

All Levels



Wed July 20th Import Series Honda PGM-FI

Honda's bring their own set of common failures and unique problems to the table. A complete system description and operation will be provided. As with all MEA classes, a strong emphasis will be placed on thorough testing and diagnosis. Spotting those areas where the Quick Fix+applies is always a benefit, for example hard starts, high idle complaints and EGR code 12. Course highlights will include complete testing and operation of Honda's LAF sensor, but without overlooking such basics as MAP, TPS, ECT and A.P. We will also cover the complete Ignition System including a diagnosis of TDC, CKP, and CYL sensors as well as all Ignitor and ignition coil wiring.

Internet



Mon. July 25th Evening Internet Class Chrysler Electronic Cruise Control

This webinar is a continuation of our body electronics series at MEA. Cruise control, like most of the systems that we work on, is controlled by an electronic module. All inputs, outputs and inhibitors will be covered wire by wire. Voltage drop testing instead of book resistance testing will be covered. Everything from no engagement, drops out, adaptive strategies, overshoot/undershoot and more.

Advanced



Wed July 27th Current Ramping / All Lab Scopes

This class covers the latest in advanced lab scope diagnostic testing skills. Mastering current waveforms unlocks the secrets to FASTER diagnosis, as well giving you a window into problem vehicles that we did not have before this technique was discovered. From finding out how all of the injectors and ignition can be tested from the fuse box, to viewing electrical fuel pump integrity, this class will give you the tools to get the job done right! If you own a low amps probe, or are considering buying one this class is for you. The class will focus on problem patterns and their interpretation. Included in this course will be good and bad current waveform analysis for both fuel and ignition systems. This class is for the advanced labscope user, and attending our labscope class prior to this current ramping class is highly recommended.

Diesel Series



Thurs July 28th Sprinter Engine Management

Sprinters have become one of the most popular vehicles for Fleets, Work Trucks and RVs. There are only a few dealers that sell them and less that service them, which makes for a great opportunity. Compared to a 6.0 Powerstroke in an Ford Van, these engines are EASY to work on, and they break often. Find out how easy these systems can be to repair, and grab the MEA specs and testing you cannot find in any book. The 5 Most Common Problems and Their Fixes of the Bosch Common Rail Diesel fuel systems will be covered! Don't miss it!!