

MEA

22 YEARS OF, BY, FOR AUTO TECHNICIANS

August

2011

class calendar

Mechanics' Education Association

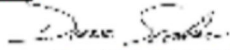
Visit MEAttraining.com for complete class details
Download a Wall Calendar from MEA's Website 908.496.0059

"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>MEA also offers ALL NJ State ETEP & DMV Classes</p> <p>All Conventional Classes are at the Maplewood Location unless otherwise indicated</p>		<p>10 MEA Training Center 7:00pm—10:00pm</p> <p>Sprinter Diesel</p>	<p>11 Evening Internet Class 8:00pm—8:30pm</p> <p>Understanding VGT Turbos Part II</p>
<p>Call to Register For Classroom Training (973)426-9001 For Internet Training: www.MEAttraining.com</p>	<p>16 Special One Hour Evening Evening Internet Class 8:00pm—9:00pm</p> <p>Reading Wiring Diagrams Multi Relay Multi Speed GM Cooling Fan Diagnosis</p>	<p>Call Lou on the Hot Line If you want to be an MEA Virtual Hot Line BETA Shop</p>	<p>18 MEA Training Center 7:00pm—10:00pm</p> <p>GM / Ford / Chrysler EVAP Systems</p>
<p>All Internet Classes No Additional Cost for MEA Members</p>	<p>23 MEA Training Center 7:00pm—10:00pm</p> <p>Advanced Scanner SNAP-ON VERSUS</p>	<p>24 Lunch Internet Noon – 12:30pm</p> <p>Chrysler Essential Sensor Testing</p>	<p>25 MEA Training Center 7:00pm—10:00pm</p> <p>Maximizing Your Digital Multimeter</p>
<p>29 MEA Training Center 7:00pm—10:00pm</p> <p>Import EVAP System Diagnosis</p>	<p>30 MORNING AM Internet 8:00am — 8:30am</p> <p>VW / Audi Electronic Parking Brake</p>	<p>31 Special One Hour Evening Evening Internet Class 8:00pm—9:00pm</p> <p>Reading Wiring Diagrams Toyota AC Wiring Diagnosis</p>	<p>MEA Training On Your Computer Visit www.MEAttraining.com</p>

MEA Members Only Calendar

1805 Springfield Avenue Maplewood NJ 07040

August

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**

Diesel Series

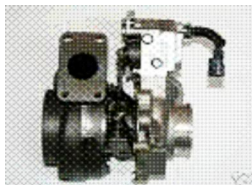


Wed Aug 10th

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!!

Internet



Thurs Aug 11th

Evening Internet Class

Understanding VGT Turbos Part II

This webinar continues our series on diagnosing today's light duty diesels. We are going to take a detailed look at operation and diagnostics. This VGT system is a very common cause of driveability problems (limp mode) and code P2262. Everything from the sliding ring, control actuator and turbine speed sensor are to be completely covered. Find out what causes the failures and how to prevent them.

Call 973-761-7420 with any Internet Technical Issues

Internet



Tue Aug 16th

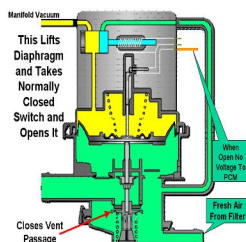
Special 1 Hour Evening Internet

Reading Wiring Diagrams GM MULTI SPEED MULTI RELAY Cooling Fan Diagnosis

Reading and understanding wiring diagrams is essential for repairing vehicles quickly and accurately. Looking at a cooling fan wiring diagram for a GM vehicle can be confusing. There are multiple relays and fuses going to multispeed cooling fans. This class will cover all of the common symbols in the diagram and how to follow the wires correctly. We will use some common faults to aid us in the learning process. By attending this class you will leave with a thorough understanding of these challenging diagrams. This is a must attend class and will aid you in preparation of the ASE A-6 test. Even if ASE testing is not in your future or you have already acquired this certification, as with all MEA classes you will gain a better insight into the subject.

Call 973-761-7420 with any Internet Technical Issues

All Levels



Thurs Aug 18th

GM Ford Chrysler EVAP Diagnosis

The #1 OBDII problem call on MEA's hotline surrounds the OBDII EVAP system. These systems are on ALL 1996 and newer vehicles, and this class will cover GM, FORD, CHRYSLER, and IMPORT systems. While anyone can fix a gas cap code, this class picks up where the gas cap stops. To understand how to fix a %SMALL LEAK+code, you must understand very specific diagnostic techniques, combined with a thorough understanding of how the many different systems work. ALL OBD II equipped cars have been designed to find leaks and turn on the Check Engine for the EVAP system with a .020 or .040 hole. Find out how to determine where the leak is. Find out the techniques of using smoke, HC, Ultrasonic, and Manometer testing to identify the leak in a system. Find out the difference between non-enhanced leak testing, leak detection pump (LDP), vacuum decay and dual solenoid tests. Find out how to complete diagnostic tests WITHOUT the factory scan tool, including tips and tricks to shorten diagnosis! Complete diagnosis of the most popular EVAP codes PO442 (small leak), PO455 (large leak), PO440 (evap system malfunction) including INTERMITTENT code diagnosis. Understanding OBDII EVAP monitors, enabling criteria and Freeze Frame interpretation.

Tool Series



Tues Aug 23rd

Advanced Scanner Snap-On 'Verus'

If you own or are considering buying a VERUS scanner this class we help answer the questions you have about the VERUS scanner. This will be part 1, of a continuous series on how to maximize the VERUS. The focus of Part 1 is on the **SCANNER** functionality of the VERUS. PID Analysis, Data Blocks, Bi Directional Control, Enhanced Functional Testing and MORE will be covered. MEA will show how to customize and graph data stream parameters. The custom and graph function allows you to more effectively see problems that are causing driveability problems. We will also cover how to save data and send it to techline.

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INTERNET



Wed Aug 24th

Lunchtime Internet

Chrysler Essential Sensor Testing

This class will cover the most important sensors to Scan on a Chrysler Product with a Driveability problem. Not only will the sensor be covered, but also insight to some unique Chrysler Circuits that could leave you scratching your head unless you were aware of them. SBEC, JTEC and NGC systems will be covered. As with all of MEA classes, we talk about the Real World Specifications needed to diagnose a Chrysler System. Whether you work on Cars, Trucks, Jeeps or Minivans, this course will cover them!
Call 973-761-7420 with any Internet Technical Issues

UPDATED!!



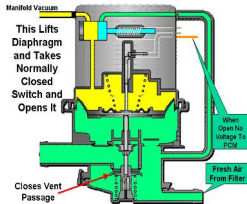
Thurs Aug 25th

Updated

Maximizing your Digital Multimeter

While most technician use their Digital Multi-Meter everyday, this course is designed to show the technician the techniques necessary to Maximize their meter's capabilities. From understanding the most common traps of auto-ranging meters, (which can lead to misdiagnosis), to the limitations of HZ. Measurements, this class will guide the technician through the ins and outs of Digital Multi-Meter use. Ranging and scaling will be covered in detail, as well as AC & DC Volts usage, mV vs. KV, M,K, Ohms, mA, Amps, HZ (frequency), % Duty Cycle, Min./Max, Pulse width, Bar graph, Dwell & RPM. Scope, Graphing Meter and DMM comparisons, along with Analog Meter advantages will also be covered. Vehicle component testing and troubleshooting are also included, so don't miss it!

All Levels



Mon Aug 29th

IMPORT EVAP DIAGNOSIS CLASS!

This course will cover complete component and **wire by wire testing** on the following Asian evaporative fuel systems: Nissan/Infiniti, Honda/Acura and Toyota/Lexus. 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.

INTERNET



Tues Aug 30th

Morning Internet

VW and Audi Parking Brake Scanner Reset

VW and Audi started using electric parking brakes starting in approximately the year 2006. In order to service the rear brakes on these vehicles the calipers need to be retracted and expanded electronically. This webinar will show you the Basic Settings procedures with a Snap-On / Launch / Ross-Tech scanner to properly perform this bi-directional control of the rear calipers.

Call 973-761-7420 with any Internet Technical Issues

Internet



Wed Aug 31st Special 1 Hour Evening Internet Reading Wiring Diagrams Toyota AC Diagnosis

Reading and understanding wiring diagrams is essential for repairing vehicles quickly and accurately. When looking at a Toyota wiring diagram that may be 5 or 6 pages long it may seem a little overwhelming. We will cover the common symbols and how even the shading in the diagrams is important. We will focus on Air Conditioning system and the wiring involved in compressor operation. Reading and understanding Toyota wiring diagrams will be easy when you're done. This Is a MUST attend class for every level technician.

Call 973-761-7420 with any Internet Technical Issues