

MEA

22 YEARS OF, BY, FOR AUTO TECHNICIANS

December

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
5 Daytime Inspector Course 8am - 5pm NJ State Specific And NJ Inspector	Call to Register For Classroom Training (973)426-9001 For Internet Training: Visit Our Website	7 Evening Internet Class 8:00pm—8:30pm Honda VTEC	8 MEA Training Center 7:00pm—10:00pm NEW Vehicle Stability Control ESC, VSC, ESP and More!
12 MEA Training Center 7:00pm—10:00pm NEW Sprinter V-6 Diesel Engine Management	13 Special One Hour Internet Evening Internet Class 8:00pm—9:00pm Toyota Lexus Scion EVAP	14 MEA Training Center 7:00pm—10:00pm VW NEW & UPDATED Turbo Diesel Injection	MEA Training On Your Computer Visit www.MEAttraining.com
19 Lunch Internet Noon - 12:30pm Electronic Power Steering	20 MEA Training Center 7:00pm—10:00pm Advanced Scanner Snap-On Verusø	21 Special One Hour Internet Evening Internet Class 8:00pm—9:00pm Reading Wiring Diagrams Euro øDINø	All Internet Classes No Additional Cost for MEA Members



Merry Christmas!!
AND
HAPPY NEW YEAR!!



Coming Next Year

- ◆ New Web Training Options
- ◆ New Technical Content

ALSO NEW and UPDATED

How to Re-Flash in your Bay and MORE!!!

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- ◆ New Technical Content

**ALSO NEW and UPDATED Courses including
How to Re-Flash in your Bay and MORE!!!**

Import Series!

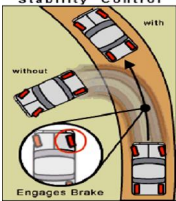


Wed Dec. 7th Evening Internet Class Honda V-Tec Systems Testing & Diagnosis

This system has many common problems including lack of power with no codes complaints to turning on the Check Engine light and setting VTEC codes. Because this is a variable valve timing system, separating electrical from mechanical valve timing problems can be difficult. This course will cover all of the VTEC components, including VTEC solenoid, VTEC pressure switch, and rocker arm mechanisms. These components will be covered in detail including, operation, testing and diagnosis. If you work on Honda and Acura cars and trucks, this is an Internet course that you cannot miss.

Call 973-761-7420 with any Internet Technical Issues

NEW!!



Thurs Dec. 8th NEW!! Vehicle Stability Control ESC, VSC, and ESP

REQUIRED in ALL cars starting September 2011, Electronic stability control, often referred to as antiskid, goes by many names: GM Stabili Trac, Ford Advance Trac, and Chrysler names it Electronic Stability Program (ESP). Other names include Vehicle Dynamics Control (Subaru), Dynamic Stability Control (Volvo), Vehicle Stability Assist (Honda), and Vehicle Stability Control (Toyota). No matter what they call it, a stability control system uses an array of sensors to detect a loss of traction in the vehicle. Combining the ABS, with lateral and longitudinal G Sensors, Steering Angles Sensors, Electronic Throttle Control, the goal of the is to keep the vehicle on its intended path. This course will cover how it works, what goes wrong, and how to fix them!

NEW!!



Mon Dec. 12th NEW!! Sprinter V-6 Diesel Engine Management

This class focuses on the NEWER V6 Sprinters. 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. Find out how easy these systems can be to repair, and grab the MEA specs and testing you cannot find in any book. Complete system coverage of the Bosch Common Rail Diesel fuel systems will be covered, including: low and high-pressure fuel system diagnosis and testing; EGR, Turbocharging and Air Intake Systems including the common P0299 Code. Quick Testing Techniques for ECU Input and Outputs, as well as Glow Plugs and Glow Plug module tests. Don't miss it!!

INTERNET



Tues. Dec. 13th Special One Hour Evening Internet Class

Toyota Lexus Scion Evap Diagnosis

Toyota EVAP is one of the highest evap system calls on our hotline. To understand how to fix Toyota EVAP systems, you must understand how the system works. Toyota systems are designed to find leaks and turn on the Check Engine for the EVAP system with a hole as small as .020. We will cover the 2001 and newer Toyota LATE system. System coverage will include EVAP VSV, Canister Closed VSV, and BY-Pass VSV testing. Complete diagnosis of the most popular EVAP codes PO440, PO441, and P0446.

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The Staff at MEA would like to wish you and your Family
A Peaceful Christmas and Prosperous New Year

NEW!!



Wed Dec. 14th

NEW!!

VW Turbo Diesel Injection

We will cover the following items and more: Mechanical and Injection Pump timing procedures; Glow plug system testing and diagnosis, including the common P0380 OBD II code; interpretation of VW measuring blocks and scan tool basic settings+. Learn what is the commonly called coolant glow plugs+, their description and operation as well as testing. You will get an inside view of the complete Turbo System with diagnosis of all components. As with all of our Engine Performance classes we will cover any inputs or outputs that are common failures. In this instance we will dig into the problems that plague the Mass Air Flow, including the Bosch and Pierburg components. Also covered will be the fuel systems on ALH engine, Pump Duse engine as well as High Pressure Common Rail Systems. As with all the VW's the TDI has become a common fixture in most shops, so don't miss this opportunity to get the information necessary to fix these cars the first time.

INTERNET



Mon Dec 19th

Lunchtime 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.

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Tool Series

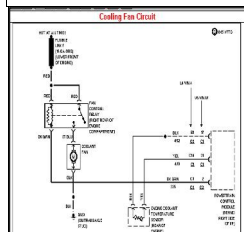


Tues Dec 20th

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.

INTERNET



Wed Dec 21st

Special One Hour Evening Internet Class

Reading DIN Wiring Diagrams

European car wiring diagrams can be difficult to interpret due to the use of DIN style wiring diagrams. DIN diagrams used by European manufacturers are represented in a track-style format using a logical sequence of track numbers and letters. This course will provide the foundation needed to interpret DIN Track Diagrams by providing step by step diagram analysis.

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