

MEA

21 YEARS OF, BY, FOR AUTO TECHNICIANS

April

class calendar

2010



Visit MEAttraining.com for complete class details

Download a Wall Calendar from MEA's Website

Auto Technicians On-Line Worldwide

For just \$30/class, other states, now other countries can experience **on-line**, right in your own shops and homes MEA's unique **Real World Live** tech supported **On-Line** classes. Prepay 10 on-line classes \$200 and save \$100 each time. (Other languages to follow.)

908.496.0059

"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."

-DAVE SCALER

MEA Technical Training Director

MEA also offers ALL NJ State ETEP & DMV Classes

All Conventional Classes are at the Maplewood Location unless otherwise indicated



Special Daytime L-1 Prep 9am – 4pm April 30, 2010



Monday	Tuesday	Wednesday	Thursday
5 Call to Register For Classroom Training (973) 426-9001 For Internet Training: www.MEAttraining.com	6 ALL INTERNET CLASSES NO EXTRA COST TO MEA MEMBERS	7 <u>LUNCH Internet Class</u> Today 12:00 ó 12:30 Toyota Air Fuel Sensor Testing	8 Special! 1 Hour Webinar <u>Evening Internet Class</u> Tonight 8:00 PM ó 9:00 PM P0420 Catalytic Converter Diagnosis
12 <u>LUNCH Internet Class</u> Today 12:00 ó 12:30 GM P0440 Evap Diagnosis	MEA TRAINING ON YOUR PC Visit www.MEAttraining.com	14 Ford 6.0 Power Stroke Diesel Part I	15 #1 Headache P0401 EGR Low Flow Testing & Diagnosis
Special Notice We will have a Daytime L-1 Prep Class Friday 4/30 9am – 4pm	20 <u>LUNCH Internet Class</u> Today 12:00 ó 12:30 Chrysler BCM Wiper Systems	21 Ford 6.0 Power Stroke Diesel Part II	22 <u>Evening Internet Class</u> Tonight 8:00 PM ó 8:30 PM Snap-On 'Modis' Screen Saving Live Recording NEW
26 European P-B-C Coding - Programming And Diagnostics	27 ASE A-9 Prep Light Duty Diesel	28 ASE A-6 Prep Electrical	29 VW TDI Turbo Diesel Injection UPDATED

**MEA
Members Only
Calendar**

April 2010

**CALL To Register
For classes
(973) 426-9001**

1805 Springfield Avenue Maplewood NJ 07040

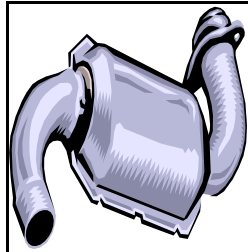
Hotline hours are from 9am to 5pm Monday through Friday Classes are from 7pm to

INTERNET



Wed. April 7th **Lunchtime Internet Class** **Air Fuel Ratio Sensor Testing**
Distance Learning – Learn On-Line
This course cover's Toyota's version of the Air Fuel Sensor which will keep you on the cutting edge of Toyota's computer control systems. Since 1999 Toyota have had Air Fuel Ratio Sensors, and since 2003 ALL Toyota are equipped with Air Fuel Ratio Sensors. Testing these sensors are much different than a conventional O2 sensors and this webinar will show you how to test them quickly and accurately WITHOUT a factory scan tool.

INTERNET



Thurs April 8th **Special 1 Hour Evening Webinar** **P0420 Catalytic Converter Diagnosis**
Distance Learning – Learn On-Line
Catalytic converter efficiency codes P0420, P0421, P0430, and P0431 are one of the most common OBDII Codes; They are also a very common COMEBACK code because **the check engine light is on again.** This course will show you how to properly identify and diagnose the areas that cause repeated attempts to eliminate these codes. Information will be given on how to maximize your scanner, voltmeters and labsopes when performing catalytic converter diagnoses and testing. Some example of methods to be applied, Frequency and Amplitude comparisons, Active Air/Ratio Control, Vacuum Delay/

INTERNET



Mon April 12th **Lunchtime Internet Class** **GM P0440 Evap Diagnosis**
Distance Learning – Learn On-Line
One of the top 10 codes coming into our hotline is a P0440. To understand how to fix this code you need a thorough understanding of how the system works and specific techniques to diagnose it. In this class we will be looking at GM's evaporative emissions system, using tips, tricks and techniques developed at MEA to identify leaks as small as .020. These techniques will help to shorten diagnostic time and increase your accuracy.

DIESEL



Wed. April 14th & 21st **6.0 Power Stroke Diesel Parts I & II**
The goal of this course is to make difficult 6.0 engine control systems driveability problems into a simple diagnosis. In order to achieve this, the following systems will be covered in complete detail. Horizontal Fuel Conditioning Module, 48 volt injectors, Variable Geometry Turbocharger, Glow Plugs, High Press Oiling system. EGR Throttle Plates and all Sensors including: ICP, APP, EP EGR / APP / EOT / Even though comparisons can be made to the 7.3 engine, there many differences that are unique to 6.0 en-

All Levels



Thurs April 15th **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

MEA Members Only Calendar

April 2010

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



Tues. April 20th
Internet

Lunchtime Internet Class

Chrysler BCM Wiper Sys-

Distance Learning – Learn On-Line

Body control module operation of wipers can bring some discomfort when diagnosing failures. All components, from the multi-function wiper switch, high/low relay, wiper on relay, wiper module, PTC circuit protection and the **BCM** itself we covered in complete detail. Even if you do not have the factory scan tool that flow charts call for, procedures will be given so that diagnostics can be performed with proper voltmeter testing. As with all MEA webinars the goal is to help you achieve quick and accurate diagno-

INTERNET



Thurs. April 22nd
Internet

Evening Internet Class

Snap-On Modis Screen Saving and Record-

Distance Learning – Learn On-Line

This course will teach you how to save a screen being displayed on your Modis. We will save them to a CF Card, transfer them to your PC, Print them, or save them. This class will also show you how to utilize the "live record" function and how to review it.

Updated



Mon. April 26th
Internet

"European" Powertrain-Body-Chassis Diagnos-

"You find yourself diagnosing a car but you're sending it to the dealer to be finished! You have multiple symptoms in multiple systems and you think they're related. If you want to know how to handle a job from the first steps in the diagnosis till you're handing the customer the keys, you must attend this class. This class will cover every step from reading wiring diagrams, using your scan-tool to monitor data to finally installing the new part and coding the control unit if necessary. These are the steps we use on the

ASE PREP



Tues April 27th
Internet

ASE A-9 PREP – Light Duty Die-

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

ASE PREP



Weds. April 28th
Internet

ASE A-6 PREP – Electri-

This ASE Prep Class is designed to prepare you for the A-6 Electrical test. You will get general electrical theory including the key to understanding any electrical system . Ohms Law. The relationship of Amps to Ohms to volts is the core of any electrical diagnosis. We will also cover reading schematics, including symbols and recognizing and diagnosing circuit failures through voltage drop testing. Youd get load testing techniques for components such as wiper motors, lights and relays. Lastly we will include theory, operation and testing of batteries, starters and Charg-

Import



Thurs April 29th
Internet

VW TDI – Are You Ready For Diesel

Although this is a stand-alone class it is a great follow-up to our VW Motronic class. Wed 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. Learn what is commonly called %coolant glow plugs+, their description and operation as well as testing. Youd get an inside view of the complete Turbo System with diagnosis of all components. As with all of our Engine Performance classes wed cover any inputs or outputs that are common failures. In this instance wed dig into the problems that plague the Mass Air Flow\$, including the Bosch and Pierburg components.