

# MEA

**21 YEARS OF, BY, FOR AUTO TECHNICIANS**

# November class calendar

# 2010



Visit [MEAtesting.com](http://MEAtesting.com) for complete class details  
Download a Wall Calendar from MEA's Website

## Auto Technicians On-Line Worldwide

For just \$30, you can now learn, right along with the rest of each MEA online class, some of MEA's Virtual Hotline, Live phone Hotline and on-site fixes.  
Prepay 10 online classes \$200 and save **\$100** each time.

**908.496.0059**

### MEA tech-supported classes

*"We consolidate some of MEA's virtual on-the-job Hotline, Live phone Hotline and some of MEA's on-site teacher & tech van real world fixes into each MEA class on-line and classroom."*

*Dave Scaler*

**-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

Monday	Tuesday	Wednesday	Thursday
8 <b>ASE</b> <b>A-9 Prep</b>	9 <b>ASE</b> <b>Test Night</b> Good Luck to ALL	10 <b>NEW</b> <u>Lunch Internet Class</u> Noon - 12:30pm <b>GM</b> <b>Pulse Control</b> <b>Power Windows</b>	11 <b>CAN</b> and other <b><u>NO Communication</u></b> <b>Problems</b>
15 <b>Reading</b> <b>Wiring Diagrams</b> <b>Including DIN</b>	16 <b>ASE</b> <b>Test Night</b> Good Luck to ALL	17 <u>Evening Internet Class</u> 8:00pm-8:30pm <b>Chrysler</b> <b>Leak Detection Pump</b>	18 <b>ASE</b> <b>Test Night</b> Good Luck to ALL
22 <u>Evening Internet Class</u> 8:00pm-8:30pm <b>Mercedes</b> <b>P0410</b> <b>Secondary AIR Diagnosis</b>	23 <b>NEW</b> <b>Cummins</b> <b>6.7L</b> <b>Engine Diagnosis</b>	24 <u>Lunch Internet Class</u> Noon - 12:30pm <b>Virtual Hotline</b> <b>Part 3</b> <b>Web Cam Uses</b>	<b>Happy Thanksgiving</b> 
29 <b>Top Ten</b> <b>OBD II Problems</b> <b>And</b> <b>Their Fixes</b>	30 <b>Electric</b> <b>4X4</b> <b>Diagnosis</b>	1 <u>Evening Internet Class</u> 8:00pm-8:30pm <b>Honda EGR</b> <b>P0401</b> <b>Low Flow Diagnosis</b>	2 <u>Evening Internet Class</u> 8:00pm-8:30pm <b>NEW</b> <b>Ford</b> <b>"No Heat"</b> Auto Climate Control Diag.

# MEA Members Only Calendar

# November 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

## ASE PREP



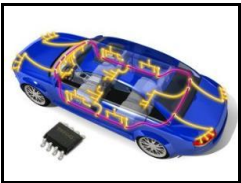
**Mon. Nov 8th** **ASE A-9 PREP – Light Duty Diesel**  
New to the MEA ASE Test Prep series is the A-9, Light Duty Diesel Class. We will cover Diesel engine design and machining, mechanical and electronic diagnosis. Common rail systems theory and operation. There will also be extensive coverage of the 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!!

## INTERNET



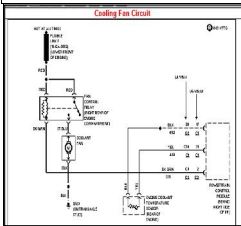
**Wed. Nov 10th** **Lunchtime Internet** **GM Pulse Controlled Power Windows**  
This webinar is a continuation of our body electronic series. We will be covering power windows on GM vehicles that are controlled over the data lines. This is when one door module communicates to the other door modules to control the opening and closing of the power windows. Complete circuit testing and diagnosis will be covered. The goal of this course is to verify if one or all of the window control modules are properly sending and receiving the correct pulses to each other WITHOUT the factory scan tool.

## ADVANCED



**Thurs. Nov 11th** **CAN and other NO Communication Problems**  
**Including: CAN, CCD, PCI, Class 2, SCP, UART Data Line Networks and more!!**  
**THIS CLASS IS ABOUT PRACTICAL ANALYSIS, NOT SERIAL DATA THEORY**  
When a MIL is lit, the scanner is normally the first tool to choose to ID DTCs, and data stream. But when the scanner does not communicate or if series network codes are set, it can often leave a tech with no direction. This class is designed to help the technician attack a no communication problem with confidence, by learning and understanding how onboard computers are tied together with Multiplex Networks. 1996-2009 Networks covered in this class will include CCD, PCI, Class 2, SCP, CAN, UART and More!! CAN (Controller Area Networks), is the latest of communications network, which has been phased into to ALL cars by 2008. This class will cover the 2-minute MEA diagnostic test, which will put you quickly on the right path to diagnosing these systems.

## All Levels



**Mon. Nov 15th** **Reading and Understanding Wiring Diagrams including DIN**  
Reading and interpreting wiring diagrams is essential to diagnosing today's driveability problems. Complete understanding of the electrical system is a necessary step in creating a diagnostic plan. Whether you are working on an inoperative power window circuit or an ignition system with coil-on-plug, using a wiring diagram can help you get to the source of the problem fast. We will cover both Alldata and Mitchell (same as Shop Key) approach to diagrams. Where are their strengths and where do they fall short? We will look at OEM wiring especially those challenging **European DIN diagrams**. Learn what color does represent or what is a sqsq in a diagram+

## INTERNET



**Wed. Nov 17th** **Lunchtime Internet** **Chrysler – Leak Detection Pump**  
**Distance Learning – Learn On-Line**  
Chrysler Leak Detection Pump Diagnostics are very common calls on the techline. This webinar will explain the inner workings of the pump and the system. Covered will be the common codes including P1494, P0455, P0456, P0441. Complete diagnosis of the system and the pump will be covered.  
**Call 973-761-7420 with any Internet Technical Issues**

## Import Series



**Mon. Nov.22nd** **Evening Internet Class** **Mercedes AIR Systems P0410 Code Diagnosis**  
In this class we will be covering The Secondary Air System used in Mercedes vehicles from 1996 to today. We will cover electric air pumps, clutch controlled air pumps, and superchargers used as the secondary air pump on Kompressor vehicles. Covered will be operation and testing of air pumps, switch-over valves, relays, and combination valves. Testing of all components and flow testing will be included.  
**Call 973-761-7420 with any Internet Technical Issues**

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CALL To Register

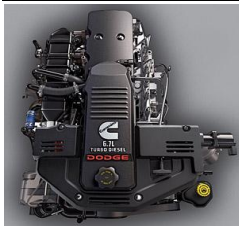
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## All Levels



**Tue. Nov 23rd**

**NEW!**

**Cummins 6.7L Engine Diagnosis**

This is newest addition to the MEA diesel training curriculum. This course will cover the latest Cummins engine in Dodge trucks. Components and systems to be covered include, EGR, VGT sliding nozzle turbo, high pressure fuel pump, piezo electric injectors, and airflow throttle plates. All inputs and outputs that relate to engine performance will be covered in detail. The use of factory scanners, aftermarket scanners, meters and scopes to test the above components will also be covered.

## Virtual Hotline



**Wed. Nov. 29th**

**LUNCHTIME Internet Class**

### Understanding MEA's Virtual Hotline 3 "Web Cam Uses"

This is the third class in a series of classes to help you understand how MEA's Virtual Hotline will work. MEA's Virtual Hotline is the FIRST of its kind in the INDUSTRY! This month we will feature the Web Cam Portion of the Virtual Hotline and how it can help save time and increase productivity. With our VIRTUAL Hotline we will be able to assist in repairs in a way no one else can. MEA will be able to take over your computer and mouse operations from our support center and help you with CODING, RE-PROGRAMMING, LABSCOPE TESTING, SCAN TOOL TESTING, and JUST IN TIME WEB BASED TRAINING. This class WILL NOT require a password!

## OBDII



**Mon. Nov 29th**

**Updated**

**Top 10 OBD II Problems and their Fixes**

### *Not just how to fix them, but how to fix them fast!*

This class covers the Top Ten OBDII failures and their fixes. Both Import and Domestic Cars will be covered as this class guides you through the most common OBD diagnosis and repairs. The class is designed to help you quickly diagnose and repair the most common OBD Failure codes by using the most common Hotline call for those codes that MEA receives. Whether it's a P0420, P0171, P0325, P0133, P0300, P0401 and other popular failures. learn how to get to the source of the problem FAST!

## All Levels



**Tue. Nov 30th**

**Electric 4X4 Diagnosis**

### Diagnosis NO 4WD, Stuck in 4WD, Stuck in 4HI or 4LO and more!

#### Ford, Dodge and General Motors Systems

Today's transfer cases are electronically controlled. The days of moving a lever to position the transfer case into its proper gear has been replaced by push buttons, electric shift motors, control modules, speed sensors, lock solenoids, actuator solenoids and wiring. This class is to help you diagnose the common and not so common failures on Ford, GM and Dodge transfer cases. Everything from no 4HI or 4LO, stuck in 4HI or 4LO, diagnostic codes being set and much more will be covered. Voltage and amperage specifications for all the wiring of the above components (**not found in flow charts**) are given to help shorten diagnostic times. Data stream analysis of both factory and aftermarket scanners will also be applied. Find out if the problem is outside or inside the transfer case with confidence.

## INTERNET



**Wed. Dec 1st**

**Evening Internet Class**

**Honda P0401 EGR Low Flow Diagnosis**

Honda P0401 is the code for Insufficient EGR flow. This code can be one of the most difficult to diagnose because often the code is set, but the EGR "appears" to be working perfectly. This can be even more confusing when dealing with an electronic EGR valve. This course will cover operation and testing of the GM linear EGR system, including an exclusive MEA test for clogged EGR ports.

**Call 973-761-7420 with any Internet Technical Issues**

## INTERNET



**Thur. Dec 2nd**

**NEW!!!**

**Evening Internet Class**

**Ford "No Heat" ATC Diagnosis**

Ford climate control has had it's share of problems. One of the main problems is the lack of Heat. Covered will be accessing codes from the system, testing the blend door actuator and determining if it's blend actuator problem or a broken blend door.

**Call 973-761-7420 with any Internet Technical Issues**