August 2014
MEA Class Calendar

ELECTRONIC STABILITY CONTROL (ESC)
Anti Slip, Anti Slide, Anti Spin, Anti Skid, Roll Control! IMPORT & DOMESTIC!

- STEERING ANGLE SENSOR RESET MYTHS
- IMPORT and DOMESTIC systems covered
- ACTIVE VS. PASSIVE WHEEL SPEED SENSORS
- “real world” Diagnostic based tips and tricks
- NEW ABS and TRACTION CONTROL Strategies

REQUIRED in ALL cars starting September 2011, Electronic stability control, often referred to as antiskid, goes by many names: GM StabiliTrac, Ford AdvanceTrac, 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! AND MUCH MORE!!!

When:     Monday August 11, 2014
Where:    MEA Training Center 1805 Springfield Ave. Maplewood NJ 07040
Time:      7:00 to 10:00 PM
TO REGISTER CALL 973-761-7420

Class also includes Wheel Alignment Steering Angle RESETS, G Sensors, Roll Stability Control and more!

Thursday August 7, 2014 8-9:00 PM                     DMTL EVAPORATIVE FUEL SYSTEMS
DMTL type evaporative fuel systems are found on BMW, Volvo, Mazda, Hyundai and Land Rover vehicles. The DMTL assembly is a component used by the PCM to perform Key Off leak testing. This webinar will cover the operation of the changeover valve, pressure pump motor, heater and all the electrical circuits.

Can’t make the date? Don’t worry, ALL WEBINARS are ARCHIVED!! To access: e-mail meawebinar@gmail.com

NEW!!

Thursday August 21st   12-12:30 PM                              BMW VALVETRONIC DIAGNOSIS
BMW is now using a variable intake valve lift system called Valvetronic. In this webinar we will examine how this system works and the the advantages it offers, also we will look at common problems associated with the Valvetronic system. We will also discuss diagnostic techniques as well as precautions that should be taken while servicing BMW's with the Valvetronic system, for instance when changing a valve cover gasket the Valvetronic servo will need to be removed, we will see how this can be done simply and effectively with your aftermarket scan tool. And after any service the system will need to be reset and this also can be performed simply and effectively.

LUNCHTIME Internet Class  Sign Up at www.meatraining.com

NEW!!
Diagnosing the IPDs and Smart Junction Boxes

While the name can suggest that these are just enhanced fuse boxes, diagnosis of these new MODULES that have fuses in them can sometimes be difficult. This course will look at the common and not so common smart junction box failures on both import and domestic cars. Keep in mind that the ABS, PCM, HVAC, IPC, SRS modules and virtually every Accessory on the car can wired to the Smart Junction box. This course will challenge all of your electronics skills, as proper diagnosis requires a solid understanding of all types of circuits, from typical power flow, to CAN data bus diagnosis.

When: Wednesday August 27th, 2014
Where: MEA Training Center 1805 Springfield Ave. Maplewood NJ 07040
Time: 7:00 to 10:00 PM
TO REGISTER CALL 973-761-7420

Includes WIRE BY WIRE PINPOINT TESTING!!

Tuesday August 19th  8-8:30 PM  FUEL TRIM DIAGNOSIS
This course will cover Lean and Rich condition diagnosis using Short Term and Long Term Fuel Trims. Using a scan tool we will look Long Term and Short Term Fuel Trims as well as total Fuel Trims. If these fuel trim values reach and stay at their maximum limits for a period of time, a malfunction is indicated. This will cause a DTC to be stored and the rich or lean condition to be recorded.

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Thursday August 28th  8-8:30 PM  Nissan Infiniti PUSH START Testing
This webinar is on the smart/intelligent key system used on Nissan and Infinity vehicles. We will cover how the BCM, Electronic Steering Column Lock Module, Key Slot Module and the Push Button Ignition Switch work together to engage the starter motor. Learn how to interpret data stream to shorten your diagnosis. Complete wire by wire of all circuits will be given for the commonly failed Electronic Steering Column Lock Module.

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NEW!!