



Technicians Service Training

Presents

"The 17th Annual TST Tech Training Big Event"

Featuring:

- 1. Scot Manna – MB Auto "2020 Diagnostics & Programming"**
- 2. Bobby "G" Gruszczynski Keynote Speaker "5 Digit DTCs"**
- 3. John Anello – ATOW "Getting to Know ADAS"**

Topic 1: "2020 Diagnostics & Programming"

Vehicle diagnostics in the current decade have become very complex and require the highest level of training ever seen for automotive service technicians. Flash EEPROM programming has been around since the mid-90's yet the majority of independent shops today do not perform this task. Computer diagnostics have been around even longer and yet parts swapping and misdiagnosis remain a common complaint among shop owners and consumers. This seminar will delve into several "high-tech" diagnostic topics yet still examine some simple diagnostic mistakes. Modern computer programming examples, data bus diagnostics, and complex and basic computer system diagnostic case studies will be presented.

Scot Manna: Owner of MB Automotive Inc. in Des Plaines IL. Contract Trainer for WorldPac and Autowares. Achievements: Certificate of Achievement in Automotive Technology, Oakton Community College, ASE Automobile Master Certified with L-1 and L-2, ASE Master HD Truck Certified, Named Gates\ASE Master with LI Technician of the Year for 2009 Competed in and was awarded the title "North American Technician of the Millennium" in 2006 and "North Central Region Technician of the Millennium" in 2001 by AC Delco, ASA\ASE Mechanical Technician of the Year in 2001. Contributing Editor for Motor Age Magazine. Scot currently owns and operates MB Automotive, a four-bay service facility in the northwest suburbs of Chicago.

Topic 2: "5 Digit DTCs"

This seminar will familiarize you with information on current and future vehicles. System information and a high energy presentation with a detailed case study. Vehicle emissions regulations require communication of emission related data from the vehicle to external equipment for the purpose of monitoring and repair of vehicle emission systems. Since 1990, this data is required to conform to SAE J1979 and J2012 standards. These standards are developed jointly with participation from OEMs, Direct Tier and Aftermarket Suppliers, the Service Industry and Tool Manufacturers. New technologies and new data requirements have finally outpaced the ability of these current standards to grow further. Therefore these SAE groups are working together with the International Standards Organization (ISO) and Emissions Regulators to expand the standards for use over the next 30+ years. This talk will examine the major points of the update.

Bobby "G" Gruszczynski: Bob has a BSEE from Lawrence Technological University. For over 25 years, Bob has been involved in the design and implementation of embedded electronic powertrain control systems. Bob has a United States Patent for his work in misfire detection systems and has been involved in numerous "first in the world starts" of new vehicle powertrain applications. Bob has also been involved in the development and testing of On Board Diagnostics Systems and publications in the area of OBD Communications techniques. Bob is currently OBD Communication Expert - Retired. His former duties included investigation and analysis of OBD communication issues in the field both for I/M and Service. He is Past Chairman of the SAE E/E Diagnostics Committee and is also Past Chairman of the J1962 Vehicle Diagnostic Connector Task Force. He is co-author of the J1699-2 Test Cases for OBD-II Scan Tools and I/M Test Equipment and author of the J3138 Diagnostic Link Connector Security Recommended Practices. Bob is a past member of the SAE Executive Standards Committee.

Topic 3: "Getting to Know ADAS"

This seminar will focus on many aspects of ADAS. We will start by understanding the infrastructures that allow these systems to work, by covering many different types of Networks such as LIN, CAN, MOST, FlexRay and even the new introduction of Automotive Ethernet. We will cover the many components used on these systems that consist of Radar, Lidar, Sonic and Camera Technology. The Covered systems will include LKAS Front Windshield Cameras, 360 Cameras, Thermal Cameras, Long Range Radar, Short Range Radar and LIDAR. There will also be

8-10 Case Studies that will cover procedures working on these systems along with a LIVE display of the ENTIRE ADAS system on stage for audience show & tell. This class will be high energy with many personal props to give you a Real World experience of how these ADAS systems work and how they are addressed after vehicle repairs or just basic routine service that may affect ADAS operations.

John Anello: John owns "Auto Tech On Wheels" his passion for automotive vehicles has driven him to work on cars for close to 40 years. John's business provides repair garages with on-site diagnostic support for problem vehicles in their shop without having to tow the vehicle to a dealership. In the last 24 years his business has grown to support 1200 plus repair shops, 400 body shops and 50 transmission shops. ASE Master L1

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**DATE: Saturday, August 15th, 2020 at 8 AM to 6:30 PM
(Check in - food at 7:00 am)**

**PLACE: Westchester Marriott
670 White Plains Road
Tarrytown, NY 10591 - 800 882-1042**

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August 7th Registration CLOSED- No Exceptions**

**Sign up online or
Make checks out and send to TST:11 Lupi Plaza, Mahopac, NY 10541 - 845 628-6928
Register early to save your spot!**

This event will be presented snow, rain or shine, NO REFUNDS!

**Check our website www.TSTseminars.org
Our goal is to keep our fellow technicians up to date with the latest technology!**