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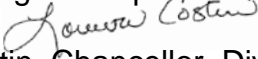
Loretta Costin, Chancellor
Division of Career and Adult Education



March 22, 2011

MEMORANDUM

TO: Career and Technical Education Directors
Technical Center Directors
Florida College Occupational Deans

FROM:  Loretta Costin, Chancellor, Division of Career and Adult Education

SUBJECT: Available Summer Training for Automotive Instructors

Your automotive instructors are invited to participate in the 8th Annual Florida Automotive Instructors Summer Training Workshop. This workshop is a cooperative effort between The Florida Automobile Dealers Association, The Central Florida Auto Dealers Association, Automotive Youth Educational Systems (AYES), The Florida Department of Education (DOE), Southeast Toyota Distributors, Toyota Motor Sales, BMW, Subaru, Chrysler, Today's Class, Snap-on Tools, Hunter Engineering, Bosch Diagnostics and ATech to provide your automotive instructors with advanced training in the following areas:

BMW -- Diagnosis of electronics, gasoline engine management, and diesel systems.

- This will include Bus systems diagnosis and monitoring of the Flex Ray, Can Bus, and Lin Bus.
- Crankcase ventilation, misfire and miscellaneous fault diagnosis.
- Diesel fuel and emission systems information.

Toyota -- Reading, understanding, and using the Toyota Electrical Wiring Diagram (EWD) effectively as a teaching tool.

- Electrical Wiring Diagram Books will be used to explore Toyota's wiring diagram logic and understand how to efficiently use the wiring diagram. We will concentrate on how to read the diagram, and then progress into how to use it effectively to repair a vehicle.
- Emphasis will be placed on how to use the materials provided to teach electrical repair and diagnosis.

- Finally we will continue last year's training on using the Electrical Wiring Diagram via Toyota's Technical Information System (TIS).
- All information used in this class will be provided to those attending for use in their automotive electrical classes.

Chrysler -- Multi-air system

- A new intake air system for Chrysler that will be incorporated on Chrysler's engines in the coming years. This system improves horsepower, torque, and fuel economy.

Subaru -- Technical overview of the following systems:

- HID Automatic Leveling System
- High Definition Audio System
- TCM changes to the 4DAT Transmission
- Evaporative Leak Control System
- New Chain Driven Engine with new:
 - Coolant System
 - EGR System
 - Valve Advance System

Snap-on -- How to teach EVAP to your students.

- This course will explain the evolution of EVAP and include some course materials, including Computer Animation showing the operation on most styles of Evaporative Emission Systems.
- How to teach Lab Scope usage to beginners. Includes basic lab scope settings, navigation of the Snap-on branded Lab Scopes, and examples of good and bad waveforms.

Please bring your Vantage-Pro, Modis, Verdict or Verus with you if you have one.

Hunter Engineering --

Morning

- **Rolling Smooth**
 - This course is designed to instruct participants in vibration theory, vibration sources, balancing theory. Additional information on how to correctly diagnose assemblies that are beyond user selected guidelines.
- **Tire and Wheel Service**
 - This course is designed to provide information and training in advanced tire changing procedures. Proper identification and service of "runflat/self-supporting" tire systems combined with low tire pressure sensors.

Afternoon

- **Intermediate Alignment - Level II**
 - The course will teach advanced wheel alignment adjustment techniques. OE specific alignment procedures are discussed, which includes adaptive cruise control, lane assist, and steering angle sensor calibration.

Optional Friday classes:

Bosch Diagnostics --

- Misfire Diagnostics – Are you a coil swapper?
 - I have a misfire, but no codes are present – Why?
 - Learn how to determine which cylinder is misfiring quickly!
 - Using the power of Mode \$06 to save time!
 - Learn how to use your lab scope to determine ignition coil integrity.
- J2534 Reprogramming – Are you ready?
 - Why J2534 Reprogramming?
 - Can you make a profit reprogramming?
 - How to get started quick and easy?
 - Real World Case Studies – Where reprogramming saved the day!

ATech --

- Teaching Electrical in the age of automotive computers
- Understanding emissions

NATEF Update - James Zink

This class will cover new developments and cover what ETL's (Evaluation Team Leader) are looking for when they come to your shop.

The training** is open to all Florida automotive instructors and will be conducted by industry trainers at the facilities of Mid-FL Tech, 2900 West Oak Ridge Road, Orlando, Florida 32809, Building 400, from **June 13-17, 2011**. This Training will satisfy NATEF and AYES Continuing Education requirements.

****Space for this event is limited, and registrations will be accepted on a first-come, first-served basis through April 15, 2011 via our online registration system.**

https://www.regonline.com/2011_FL-AIST

The training is free; but travel, room and board are the responsibility of the individual or institution. If you have any questions about the training and/or registration, please contact Randy Houck via e-mail at rhouck2@cfl.rr.com.

Thank you.

LC/eoj

cc: Eric Owens, State Supervisor, Transportation and Distribution Programs, DOE
Randy Houck, Director, FL AYES