



March 16-17, 2012/Houston, Texas  
Doubletree Hotel  
Houston Intercontinental Airport

# Electrical Clinic - Houston

## Friday, March 16, 2012

**4:30 pm** - Registration

**5:30 pm - 6:00 pm**

Supplier Set-up for Mini Expo

**6:00 pm - 7:00 pm**

*Welcome Reception & Mini Expo* - Open to all, cash bar

## Saturday, March 17, 2012

**8:00 am** - Registration

**8:00 am - 8:30 am**

Supplier Set-Up for the Mini Expo

**8:30 am - 8:45 am**

*Opening Remarks & Introductions*

Dan Smith, APRA Electrical Division Chairman, East Coast Sales Manager, Arrowhead Electrical

**8:45 am - 10:15 am**

*Computer Activation & Regulator Interface*

Mohammad Samii, Sammy's Auto Electric  
Newer systems have voltage regulators that not only control voltage but also communicate with the PCM. Mohammad will give a detailed explanation of this computer activation and regulator interface. Another issue facing our industry today is using regulators in systems that have to be matched. There are many cases where the regulator works but the warning light doesn't go off -- this and numerous other compatibility issues will be discussed.

**10:15 am - 10:30 am**

*Refreshment Break*

**10:30 am - 10:45 am**

*What's in the Reman Toolbox for You*

Leah Borrowman, BizUnite  
Leah will demonstrate how using APRA's Reman Toolbox can help you save money on purchases that you are currently making for your business.

**10:45 am - 12:00 noon**

*Batteries*

Fred Feres, Exide

Batteries are ever evolving. Government regulations for air quality and MPG improvements are driving the need for longer lasting batteries. Some of these batteries require specialized testers

and chargers. Exide will focus on not only the basics of battery construction and testing, but also what is needed for advanced flooded type batteries and the interactions with the charging and starting systems

**12:00 noon - 1:30 pm**

*Group Luncheon & Mini Expo*

**1:30 pm - 2:30 pm**

*Rebuilding Techniques for Newer Starters & Alternators*

Mohammad Samii, Sammy's Auto Electric

This part of Mohammad's presentation is directed toward the practical aspect of rebuilding and is aimed for hands-on rebuilders. The rebuilding of some newer starters and alternators will be shown in step-by-step pictorials, as well as how to replace slip rings in various CS, Ford, and Bosch internal fan rotors. Also discussed will be what tools are needed to perform the job more efficiently. This hands-on segment has been very popular among rebuilders.

**2:30 pm - 3:15 pm**

*Demystifying the Four Different Types of Alternator Pulley Technologies*

Al Steadman, Development Specialist, Litens Automotive Group  
Unbiased seminar showing the design principle, applications and necessary information related to four different alternator pulleys that every electrical rebuilder should be aware of (Litens is OE on all four.)

**3:15 pm - 3:30 pm**

*Refreshment Break*

**3:30 pm - 4:00 pm**

*Watercooled Alternators and Their Electronics*

Michael Wang, WAIGlobal/Transpo

Application information; typical failure modes of water cooled alternator; how to test the water cooled alternator correctly; comparison between OE electronics for water cooled units and aftermarket electronics offers.

**4:00 pm - 5:00 pm**

*Roundtable Discussion, Q & A*

Dennis Jacinto, APRA Chairman, President, Lester Catalog, & Dan Smith

**Automotive Parts Remanufacturers Association**

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