

ERA 2006 North American Trade Show—March 23–26

Tentative Schedule of Events

Charlotte Convention Center • 501 South College Street • Charlotte, NC 28202 • (704) 339-6000

Thursday, March 23

ERA Technical Education Seminar — 6:30 to 9:30 p.m. (Room 213AB, Convention Center)

Joe Davis, Joe Davis Enterprises, *How Generators, Starters & Alternators Really Work*—

This class is a great refresher for the experienced rebuilders or can be used as an introduction to the theory behind electrical rebuilding for new employees. Demonstrations will be used to help students visualize electro-magnetic fields, generation of current and the principles of voltage, amperage and resistance.

(Advance registration suggested for all Joe Davis Seminars.)

Friday, March 24

Plant Tours — 7:30 to 8:30 a.m.

American Auto & Truck Electric, see DC motor and tool repair; WRS Charlotte.
(Board coach at Hilton at 7:00 a.m.)

Behind the Scenes Tour — 10 a.m. and 11:30 a.m. (2 tours—50 people each)

Dale Earnhardt, Inc. race shop and museum. Includes lunch at D.E.I.
(Board coach at Hilton at 9 and 10:30 a.m.—7 a.m. seminar attendees take 2nd coach.)

ERA Technical Education Seminar — 7 to 10 a.m. (Room 213AB, Convention Center)

Joe Davis, *Information on the Latest Charging & Starting Systems*—This information-packed class is designed to help you and your employees stay abreast of the very latest changes in alternator and starter design. It will cover all the new systems and include a handout to update your Technical Service Manual. It will prepare you to efficiently rebuild late model units before they arrive at your door.

EXHIBITION/LIVE DEMOS — 5 to 7 p.m.

Charlotte Convention Center, Hall C-2.

Roundtable/ERA Technical Education Seminar — 7:15 to 9:15 p.m. (Room 213AB, Convention Center)

Joe Davis, *Solving Rebuilding Problems*—Guest speakers will cover rebuilding problems in specific areas with emphasis on answering the questions of attendees. Learn proper component testing methods that will save you time and money every day. Pick up time-saving tips. Be sure to bring your rebuilding questions and discover innovative solutions to common rebuilding problems.

Alan Melton, Northwest Regulator Supply, moderator. Open to everyone.

Saturday, March 25

Exhibitor Discussion Group — 8 to 9 a.m., show floor

Computer Seminar — 8 to 9 a.m. (Room 213AB, Convention Center)

Electrical Rebuilder's Association Web site presentations.

EXHIBITION/LIVE DEMOS — 9 a.m. to 5 p.m. Show Floor

Demos include soldering/spot welding, various batteries; OBDII; and solenoids.

Reception — 4:30 to 6:00 p.m. Show Floor

Hors-d'oeuvres & cash bar; exhibitor prize giveaway.

Sunday, March 26

APRA Technical Seminar — 8:30 a.m. to 11:30 (Piedmont Ballroom, Hilton Charlotte Center City)

Mohammad Samii, Sammy's Auto Electric, *Operational Theory and Common Pattern Failures of Modern*

Starters and Alternators—Operational theory and common pattern failures of some modern starters and alternators, and detailed explanation of the PCM activation and control of the various GM, Ford, Daimler/Chrysler and some import charging systems. This class, intended for the "hands-on" rebuilders, covers the basics of the slip-ring replacement of various popular rotors to the more advanced level, with a brief description of Data-Base Communications, and explains how regulators communicate with the PCM and the information is transmitted between multiple modules and instrument cluster. Actual captured scope patterns and picture of the meters on live system will be used to explain systems operational principles and give rebuilders a deeper understanding of various charging/starting systems.

Coffee Break — 10:15 a.m.

APRA Technical Seminar — 11:45 a.m. to 12:30 p.m.

Greg Neuenfeldt, Dow Corning Corporation, *Lubrication: Best Practices for Starter Motors*—

The basics of grease formulations will be covered. Includes recommendations for lubrication of drives, spiral splines, gears, and bushings. Potential problems of improper lubrication will be analyzed.



FREE DRAWING!
Dozens of exciting Exhibitor products valued at \$500 to be given away.

Register Early
Only 100 Seats Available!

HILTON CHARLOTTE CENTER CITY*

ERA HEADQUARTER HOTEL
222 EAST THIRD STREET • CHARLOTTE, NC 28202
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Across the street from the Charlotte Convention Center.
PARKING \$14 PER DAY or VALET PARKING \$16 PER DAY

REBUILDER RATE \$79 (single/double), \$99 (triple/quad)
SUPPLIER RATE \$109 (single/double), \$129 (triple/quad)

HAMPTON INN CHARLOTTE*
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(704) 373-0917 OR (800) HAMPTON

3 blocks from Charlotte Convention Center
PARKING \$5 PER DAY
RATE \$69 (includes continental breakfast)

*Make reservations by 2/21/06
Ask for "Electrical Rebuilder's Group"

Transportation from Airport:

- Town Car—\$20 (or \$5 each for four)
- Taxi—\$18 (each way)
- Queen City Transportation—\$9 (each way) \$16 (round trip)

Watch for more details in the February issue!

Non-exhibiting Suppliers:

NO laptops or briefcases allowed on show floor. A rebuilder who is also a supplier will pay the vendor fee.

VIOLATORS WILL BE ESCORTED OUT.

Questions? Call Polly Shea at (913) 642-4682.