

ERA 2006 North American Trade Show—March 23–26

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 rebuilder 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.

WRS Charlotte, American Auto & Truck Electric
(Board coach at Hilton at 7:00 a.m.)

The WRS Charlotte tour will begin with a walk through the warehouse and the picking, checking, packing and shipping facility. Have a cup of coffee, a pastry, and enter the drawing for a door prize. WRS Charlotte now carries a variety of different brands in addition to WAI, Renard and Transpo. Come see their lineup of Bosch, Nippondenso, Leece-Neville, L/F, Dixie, Quik Cable, Wilson, Romaine, Western Motors, Mitsubishi, Prestolite and Penntex products, plus a line of rebuilding tools from Tool Web. WRS will be having an OPEN HOUSE from 8 a.m. to 3 p.m. Friday for anyone not able to take the morning tour.

Just four blocks from WRS is American Auto & Truck Electric—three shops side by side, with 17 employees, and on two acres of land. The facility features a complete rebuilding shop for starters, alternators and generators; an on-car shop dealing in diagnosis, brakes, tires and tune-ups; and a third shop—all things other than automotive—for repairing tools, AC and DC motors, hydraulics and generators. It's everything you wanted to know about doing business in this industry but were afraid to ask.

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)

Wes Grueninger, Web master—*Electrical Rebuilders Association Web site presentation*—Wes will be presenting a quick overview of the web site, followed by an explanation of how to find information. The web site is chock-full of helpful technical information, and step-by-step he'll show you how to search for and retrieve it. Including back issues of the *Electrical Rebuilder's Exchange*, fully searchable by word or phrase, and forums with over 7,000 messages, also searchable. Wes will instruct on the best ways to use the search feature to "drill down" to the needed information, then conclude with questions from the group.

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

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

**See
Description
Below**

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

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

Sunday, March 26

APRA Electrical Clinic — 8:30 to 11:30 a.m. (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" rebuilder, 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 Electrical Clinic — 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 spines, gears, and bushings. Potential problems of improper lubrication will be analyzed.

Soldering, Richard Vensel, Vensel Enterprises —

Dick's demonstration includes soldering, desoldering and silver soldering on rotors, stators, rectifiers, armatures, regulator chips, solenoids and field coils. Join in the hands-on involvement with rebuilders soldering copper to copper, aluminum to aluminum, and aluminum to copper.

Solenoids, Dan Smith, Boston Auto Electric —

Dan will demonstrate solenoid theory, functionality, circuits, and switches as they relate to today's automotive and heavy duty starting applications. New material will be presented on semi solid link and high amp draw indexing solenoids. A handout will explain various circuits, how they work and why they fail.

FREE DRAWING!
Dozens of exhibitor products
each valued at \$250 or more
to be given away to attendees.

ERA
\$500 Dell PC
to be given
away to an
ERA Member

Transportation from Airport:

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

CABINA ESPAÑOLA

Productos Mostrados de Varios Proveedores

Proveído de personal por

Juan Reyes, Liberty Auto Electric

SPANISH BOOTH

Products Displayed from Various Suppliers

Juan Reyes, Liberty Auto Electric

Interpreter

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.**

Live Demos on Show Floor

- Soldering—
Spot Welding
- Batteries
- OBDII
- Solenoids

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

Charlotte Visitor Information
(800) 231-4636
www.visitcharlotte.com

RECEPTION SPONSORS

BPS Cores, Inc.
Electric Motor Service
Just Parts, Inc.
Lester Catalog
Quality Rebuilders, Inc.
Standard Starter Drive

Accommodations

HILTON CHARLOTTE CENTER CITY
HEADQUARTER HOTEL
222 EAST THIRD STREET • CHARLOTTE, NC 28202
(704) 377-1500 OR (800) HILTONS

Across the street from the Charlotte Convention Center.
PARKING \$14 PER DAY or VALET PARKING \$16 PER DAY
RATE \$109 (single/double), \$129 (triple/quad)

► Make reservations by 3/1/06 • Ask for “Electrical Rebuilder’s Group”

HAMPTON INN CHARLOTTE
530 EAST 2ND STREET • CHARLOTTE, NC 28202
(704) 373-0917 OR (800) HAMPTON

3 blocks from Charlotte Convention Center
PARKING \$5 PER DAY

RATE \$69 (includes continental breakfast)

► Make reservations by 3/10/06 • Ask for “Electrical Rebuilder’s Group”

EXHIBITOR PRIZES

Ace Mideastern Warehouse, Inc. — \$1,000 toward one week lodging at Myrtle Beach Resort
Boston Auto Electric, Inc. — \$500 1-AL9960LH Bosch alternator and 1-428000-1211 Denso P5.0 starter
D & V Electronics Ltd. — \$500 merchandise
DuBois Marketing, Inc. — \$1,000 (4) \$250 merchandise
Electric Motor Service — \$500 merchandise
Electrical Rebuilders Association — \$500 Dell PC
JIMCO, Inc. — \$550 OSI100 oscilloscope
Lester Catalog — \$295 Kwikfinder CD
Monmary Corporation — \$500 merchandise
Northwest Regulator Supply, Inc. — \$650 891-STD alternator test lead kit
Quality Rebuilders, Inc. — \$250 Best Buy gift card
Regitar U.S.A., Inc. — \$400 two sets of power tools
Transmet Corporation — \$265 one hundred pounds cast aluminum shot blast media
Vensel Enterprises — \$250 merchandise
Wagner Alternators & Supplies, Inc. — \$500 merchandise
Wetherill Associates, Inc. — \$650 Transpo VRC1000A regulator tester.

MORE TO COME!

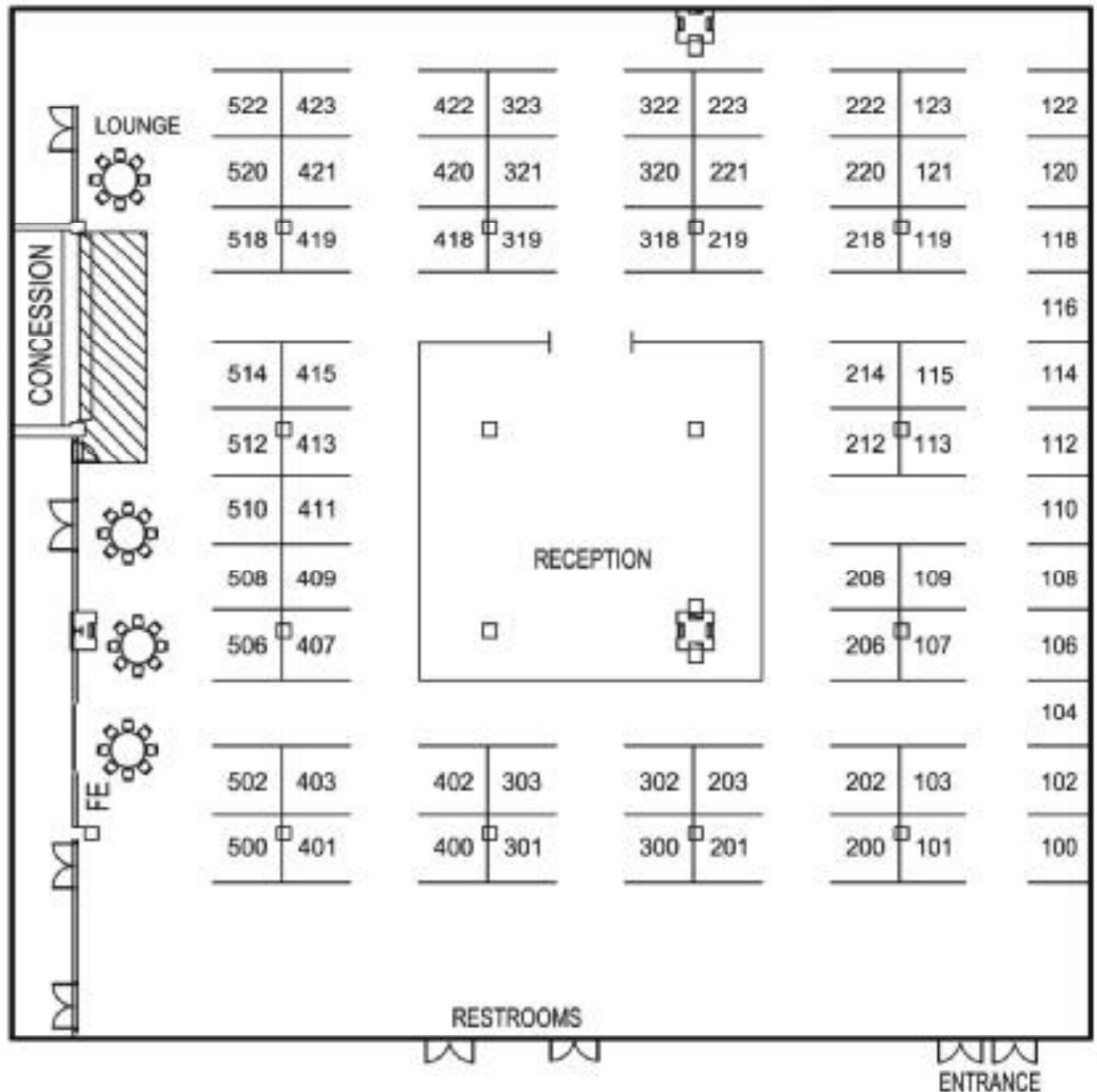


ERA TRADE SHOW Charlotte, NC

March 23-26, 2006

**Charlotte
Convention
Center
HALL C-2**

501 South College Street
Charlotte, NC 28202
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EXHIBITOR LOCATIONS

A.I.M. (Automotive Importing Mfg., Inc.)	318	International Automotive Trading, Inc.	403
Accumax Auto Parts, Inc.	116	J&N	301
Ace Mideastern Warehouse, Inc.	118, 120	JIMCO, Inc.	100
Applied Systems Research, Inc.	500, 502	Just Parts, Inc.	218
Apptrak Computer Software	402	Lester Catalog	212, 214
Automotive Parts Remanufacturers Association	108	MCI Cores	323
AutoSem, Inc.	522	Monmary Corp.	303
Barsanco, Inc.	119, 121, 123	Nashville Dist. Center, Inc.	115
Boston Auto Electric, Inc.	413, 415	Network Parts Company, Inc.	113
BPS Cores, Inc.	506	Northwest Regulator Supply	411
Carbonmann, Inc.	422	NRG/IPM Auto Systems	122
D&V Electronics, Ltd.	300, 302	Peer Bearing Company	220
DISA Goff	321	Quality Rebuilders, Inc.	109
Dixie Electric, Inc.	514	R&R Regulators, Inc.	400
DuBois Marketing, Inc.	206, 208	RAS (Rebuilders Automotive Supply)	107
E.G.I.	420	RCP, Inc.	401
Electrical Rebuilders Association	104, 106	Regitar USA, Inc.	110
Electrical Rebuilder's Exchange (PROMOTER)	102	Romaine Electric Corp.	201, 203
Electric Motor Service (EMS)	112, 114	SJS Enterprises, Inc.	320
Electro-Dyn Electronics	520	Standard Starter Drive	421
Facet	508	Taditel Automotive Electronics	418
HC/Cargo – Holger Christiansen North America, Inc.	219, 221	Transmet Corp.	319
Holcombe Armature	512	Vensel Enterprises	407, 409
IMI Performance Products	518	Wagner Alternators & Supplies, Inc.	419
Industrias Kirkwood/M & G	510	Wetherill Associates, Inc.	101, 103, 200, 202
		Wood & Tompkins Cores, Inc.	423

MORE TO COME!

LIVE DEMOS

APPLIED SYSTEMS RESEARCH Rebuilder's Software.	#500, 502
APPTRAK COMPUTER SOFTWARE Software demonstration.	#402
APRA www.AutoElectricPro.com and www.AutoBulletins.com.	#108
BOSTON AUTO ELECTRIC, INC. Solenoid rebuilding.	#413, 415
D & V ELECTRONICS, LTD. Test equipment.	#300, 302
ELECTRICAL REBUILDERS ASSOC. Live internet demo of ElectricalRebuilders.Org, the new ERA Web site.	#104, 106
IMI Performance Products Converting N-D starters to replace other OEM units.	#518
JIMCO, INC. Alternator and stator testing.	#100
LESTER CATALOG Software and web catalogs.	#212, 214
NORTHWEST REGULATOR SUPPLY Alternator and starter testing.	#411
VENSEL ENTERPRISES, INC. Soldering.	#407, 409