



# South Seattle Community College... *in West Seattle* Continuing Education & Seattle Electric Vehicle Association

## Sponsoring an Electric Vehicle Conversion Workshop

**Date:** June 16th - June 22, 2008 \* Monday through Saturday (6 days) \* 8 am to 5 pm  
**Location:** South Seattle Community College  
**Class Fee:** \$800 (Space is limited: \$400 deposit by May 9 is required to secure a place.)

### Workshop Description

This workshop guides you through the complete process of converting a vehicle from a gasoline engine to electric power. Morning classroom sessions will be combined with afternoon hands-on shop sessions. By the end of the workshop, the group will have completed one running electric car conversion capable of highway speeds and 40-60 mile range on one charge.

You will learn the principles behind good component layout, battery rack, and box design and construction, and wiring, with hands-on experience installing the components. You will also learn how to apply these principles to different types of vehicles, and learn about the differences between AC and DC drive systems, and different types of batteries. Each student will receive a copy of the book "Convert It"

#### Topics Include

- \* Safety
- \* Expected performance
- \* Choosing a suitable chassis
- \* Components and their functions
- \* Driving & Maintenance
- \* Overall layout
- \* Designing & fabricating support structures
- \* Wiring
- \* Testing & troubleshooting

The class will work together on one "donor VW Rabbit" that will be completely converted to a "Voltsrabbit" electric vehicle.

### Instructors:

Mike Brown and Shari Prange are owners of Electro Automotive ([www.electroauto.com](http://www.electroauto.com)), founded in 1979 as a parts supplier for home built electric vehicle conversions. Mike Brown had many years of experience in automotive service and repair, engine building, and racecar building before turning exclusively to electric conversions. He and his wife Shari Prange co-authored the book "Convert It", which has long been the primary how-to reference book for conversions. They have taught many electric vehicle classes and workshops, written for "Home Power" magazine, and now serve as transportation editors for "Home Power".

### Free Information Evening on Wednesday, April 23 at 7:00-8:00 p.m.

To attend the free information about the class, please call the Continuing Education office 206-764-5339 or register at [www.learnatsouth.org](http://www.learnatsouth.org).

### **Registration Details**

- Nonrefundable deposit of \$400 required by **May 9, 2008**  
(*Exceptions: refunded if class canceled or if space is filled from the waiting list*)
- Final payment due **June 2** for class. No refunds after that date.
- To register call **206-764-5339** or visit [www.learnatsouth.org](http://www.learnatsouth.org) (if paying in full.)