



INTERACTIVE **ELECTRIC - HYBRID TRAINING WORKSHOP**

In this hands on workshop, technicians will learn the practical ins and outs of low- and high-voltage electricity theory through lecture and examination of electric vehicle components. Your instructor will show proper testing and servicing procedures involved with traditional 12 volt systems and the newer high voltage components found in electric vehicles.

High voltage components covered in this course include the HV battery pack, inverter assembly, converter assembly, electric air conditioning compressor, and Motor generators 1 and 2. A heavy emphasis will be placed on safety as well as real-world diagnostic testing and repair procedures.

This course is ideal for both the new student looking to learn about basic electrical theory and the more advanced technician seeking knowledge on high-voltage systems in modern electric vehicles.

COURSE OBJECTIVES:

- ✓ Contrast the different types of hybrids
- ✓ Relate series and parallel hybrid circuits
- ✓ Define necessary protective equipment
- ✓ Explain the proper disconnect procedure
- ✓ Define hybrid testing equipment
- ✓ Explain hybrid Electronic Power Steering
- ✓ Elaborate on the different types of hybrid battery packs
- ✓ Define inverter/converter operation
- ✓ Explain motor generator function
- ✓ Underline the special coolant needs of hybrids.



Accredited Training Provider