

## AP-1: Battery Basics

Do you need a straight forward introduction or review of battery testing? This is an entry level course that is perfectly suited to automotive technical schools, new service techs, or to use as a reference.

Instructor Dave Hobbs covers battery functions, construction, and types of batteries. He goes over proper charging procedures like determining how long to charge the battery, how temperature affects charging and testing, and battery charging tips. This course also covers battery diagnostics such as surface chargers, load testing, and cell testing.

The electrical system in the average vehicle has 11 pounds of wire. Without the proper battery power, expensive electrical component failures can occur. This course will teach you the proper charging procedures so that you can avoid costly electrical malfunctions.

- Battery drains open circuit testing, voltage drop testing, parasitic draw testing & using a DVOM
- Special Tip - How to build your own parasitic draw tester

**Runtime: 46 minutes**

### Topics Covered

Battery Basics  
Battery Construction  
Battery Diagnostics  
Battery Charging Tips  
Battery Testing  
Jump Starting  
Battery Cable Maintenance  
Parasitic Drains  
Finding Battery Drains  
Drains Through Resistance



Supplements  
Testing Resources  
Manual  
Discussion Forum  
Certificate