

# Automotive Electricity Courseboard (model 1811)



The Automotive Electricity Courseboard - model 1811 is a hands-on study of basic automotive electricity that includes a Courseboard and USB drive containing the Student Manual and Instructor Guide. Also included with the courseware package is an on-site copy license to allow for the reproduction of instructional materials for use in the classroom.

The Automotive Electricity Courseboard features real fixed components and wire terminals. 12-Volt power supply not included. Does not include fault insertion capability.

## Activities Include:

### UNIT I - Introduction to Electricity

Circuit - Use of Voltmeter

- Parallel Circuit - Use of Ammeter
- Series-Parallel Circuits - Use of Ohmmeter

### UNIT II - Electrical Behavior

- Series Circuits 1, 2, 3 and 4
- Parallel Circuits 1, 2, 3 and 4
- Series-Parallel Circuits 1, 2 and 3

### UNIT III - Use of Troubleshooting Equipment/Automotive Circuits

- Trunk Release Circuit
- Horn Circuit
- Back-Up Lamp Circuit
- Tail Light & Brake Light Circuits
- Starter Motor Circuit
- Turn Signal Circuit

### UNIT IV - Use of Service Manual Schematics/Automotive • Series Circuits

- Ignition Key Warning Circuit
- Electric Cooling Fan Circuit
- Brake Warning Circuit
- Heater Blower Circuit
- Headlight Circuit
- Dome Light Circuit

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