

Basic Electrical Troubleshooting

Learn the basics of Electrical troubleshooting.

Key Topics

Types of Circuits
Basic Multimeter Measurements
Testing Resistance on a Solenoid
Testing Resistance at the Controller
Test Solenoid Amperage

- [0:29](#) [1] – Introduction
- [1:01](#) [2] – Types of Circuits
- [1:22](#) [3] – Open Circuit
- [1:48](#) [4] – Closed Circuit
- [2:05](#) [5] – Shorted Circuit
- [2:24](#) [6] – Series Circuit
- [2:58](#) [7] – Parallel Circuit
- [3:40](#) [8] – Basic Multimeter Measurements
- [4:15](#) [9] – Water/Electricity Analogy
- [5:03](#) [10] – DC Voltage
- [8:55](#) [11] – AC Voltage
- [14:00](#) [12] – Resistance (Ohms)
- [17:18](#) [13] – General Rules for Solenoid Resistance
- [20:45](#) [14] – Testing Resistance on a Solenoid
- [21:13](#) [15] – Testing Resistance at the Controller
- [24:48](#) [16] – Continuity
- [27:08](#) [17] – Amperage
- [34:39](#) [18] – Using a Clamp Meter to Test Solenoid Amperage
- [35:48](#) [19] – Using a Multimeter to Test for Amperage While Operating Stations

