

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

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[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

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[14:00](#) [12] – Resistance (Ohms)

[17:18](#) [13] – General Rules for Solenoid Resistance

[20:45](#) [14] – Testing Resistance on a Solenoid

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[34:39](#) [18] – Using a Clamp Meter to Test Solenoid Amperage

[35:48](#) [19] – Using a Multimeter to Test for Amperage While Operating Stations

