

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