

POWERWHEELSCD.com Power Wheels Troubleshooting Guide

Vehicle Doesn't Run	Vehicle Runs Slowly/No High Speed	Vehicles makes Noises when it runs	Vehicle ONLY works in High Speed
	(Raise back tires off ground to ensure both sides work) Note that it is normal for only one side at a time to work in low / reverse		(Raise back tires off ground to ensure both are Turning Forward)
Possible causes:			
<p>Dead Batteries Blown Fuse Charge/Run Switched to charge Corroded Battery connector Burnt / Melted wires Bad Foot Pedal Switch Bad Thermal Circuit Breaker Bad FWD/Reverse Switch Bad High/Low Switch Bad Turbo Circuit/Relays Disconnected motor (s) Broken motor lead Dead Motor</p>	<p>Slowly: Weak or Dead Batteries Corroded Battery connector Burnt / Melted wires Bad Turbo Circuit/Relays Disconnected motor Broken motor lead Dead Motor</p> <p>No High speed Hi Speed Lockout unplugged High speed Screw in place Bad High/Low Switch</p>	<p>Clicking Motor screws not tight Wrong size pinion (too small) Overloaded</p> <p>Clucking Normal w/Rubber tire conversion Inspect/grease gearboxes</p> <p>Clunking Inspect/grease gearboxes Motor shaft play</p>	<p>Bad High/low switch Bad Turbo Circuit/Relays Disconnected motor Broken Motor lead Dead Motor</p>

Weak/Dead Batteries

1. Check Battery Voltage
Battery Voltage: > 12.6 Battery Fully Charged
 > 12.0 Battery OK
 < 12.0 Charge Battery
2. Check/Replace Battery Fuse (if so equipped)

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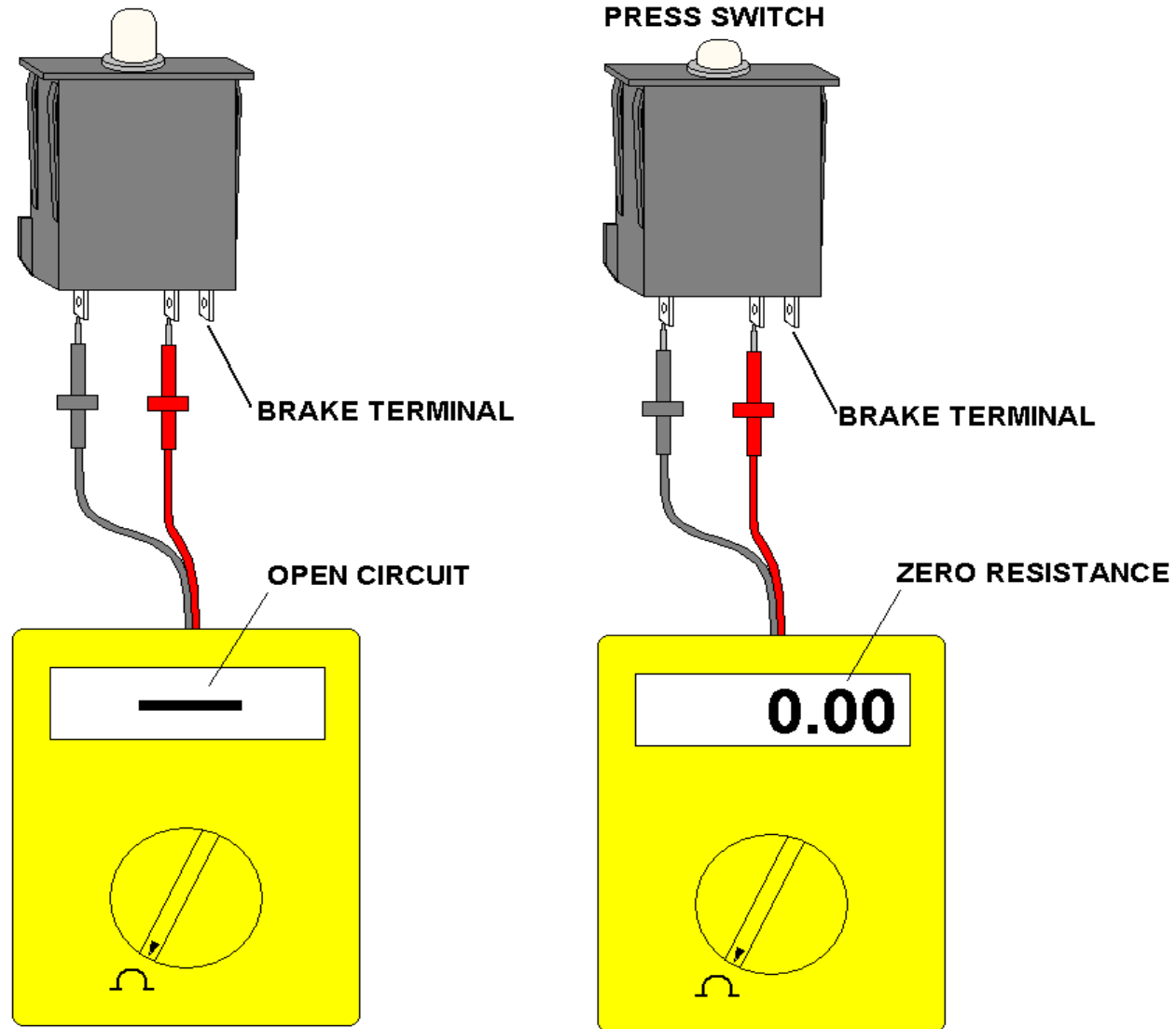
Corroded Battery Connector

1. Very Common on the "H" style connector that can be replaced by a Mattel Product Recall
2. Use Sandpaper to clean oxide off terminals
3. Ensure wires are pushed into Connectors and are not loose
4. Replace melted, Broken cracked and distorted connectors

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Bad Foot Pedal Switch

1. Clean the Terminals
2. Use a Multimeter set to "Ohms" to check the continuity of the Center terminal with Fwd/Rear terminals
3. If Ohms do not go to zero between **Center and Fwd terminals** when switch is pressed, replace Switch

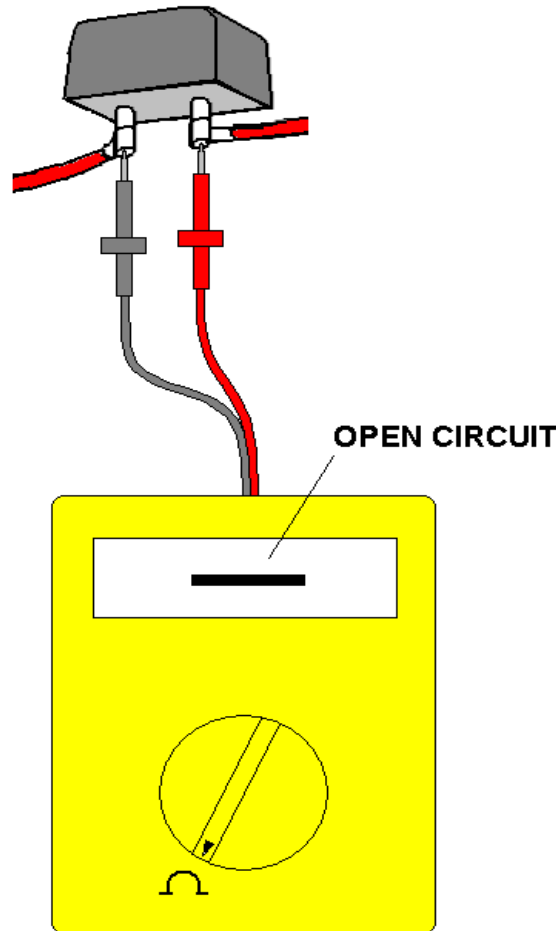


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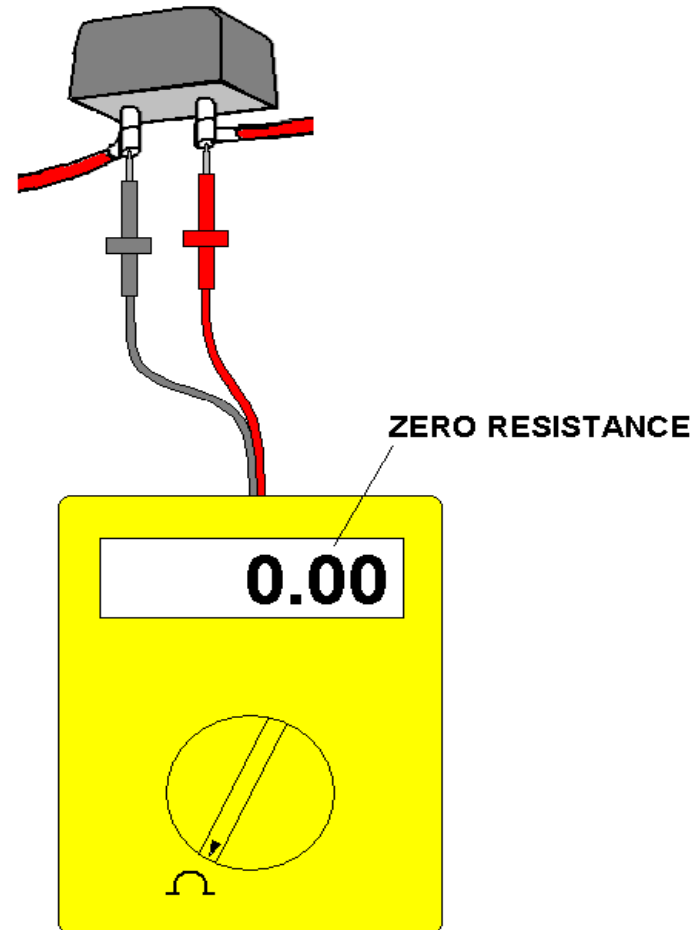
Bad Thermal Circuit Breaker

1. Clean the Terminals (if applicable)
2. Use a Multimeter set to "Ohms" to check the continuity across the Thermal Circuit Breaker
3. If Ohms do not go to zero across the Thermal Circuit Breaker, replace Breaker
4. Breaker may still be defective. Apply Power and listen for breaker tripping.
5. Replace defective Thermal Circuit Breaker

**BAD THERMAL
CIRCUIT BREAKER**



**ACCEPTABLE THERMAL
CIRCUIT BREAKER
(THOUGH IT STILL MAY BE BAD)**



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Disconnected motor

1. Most motor leads are soldered, but 1999 and earlier vehicles may use non soldered leads
2. Reconnect any disconnected wires
3. Check for corrosion on the motor leads, remove with sandpaper if present

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Broken motor lead

1. Inspect for a broken wire or motor terminal
2. If motor terminal is broken, replace motor

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Dead Motor

1. Apply 6 volts directly to the motor
2. If nothing happens, the motor is dead, replace motor
3. If motor tries to run, remove motor from gearbox
 - 3a. If motor operates normally, open and inspect gearbox for binding/damage
 - 3b. If motor still tries to run, but doesn't, replace motor

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Hi Speed Lockout unplugged

1. If the vehicle is Equipped with a **High Speed Lockout Plug**, ensure it is plugged in
2. Locate the Plug under the Dash on Metal Framed Jeeps
3. For vehicles with "Turbo" buttons, ensure the button is plugged in.

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High Speed Lock-out Screw in place

1. If the shifter doesn't shift into high gear (on 12 volt vehicles):
 - a. Locate the screw near the pivot point of the shifter (on shifter equipped vehicles)
 - b. Remove screw and place screw in hole in shifter handle

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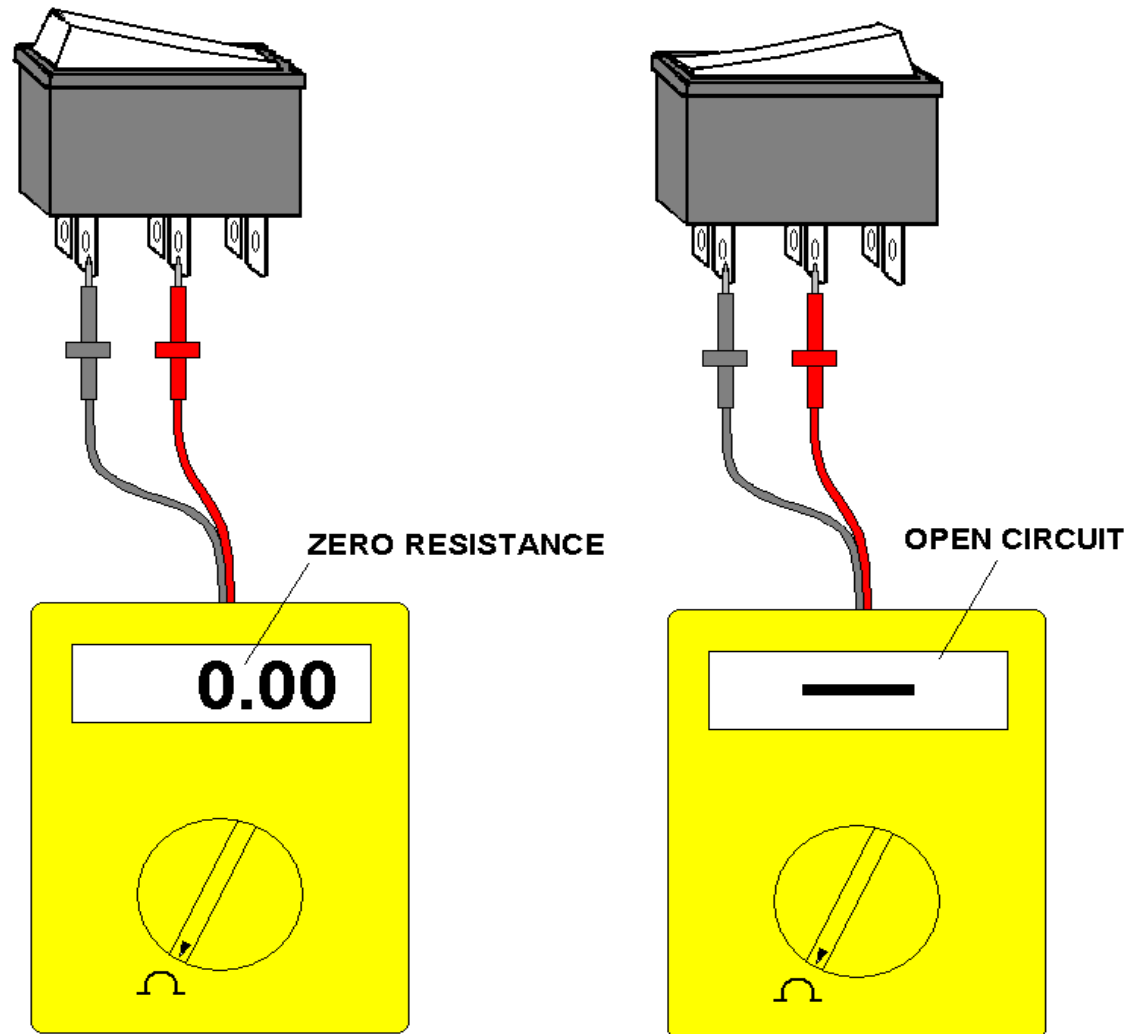
Charge/Run Switched to charge

1. Applicable Vehicles: Power Wheels Porsche 911, Power Drivers Nascar cars
2. Vehicles will not operate unless Charge/Run Switched ro "Run"
3. Check Continuity of switch

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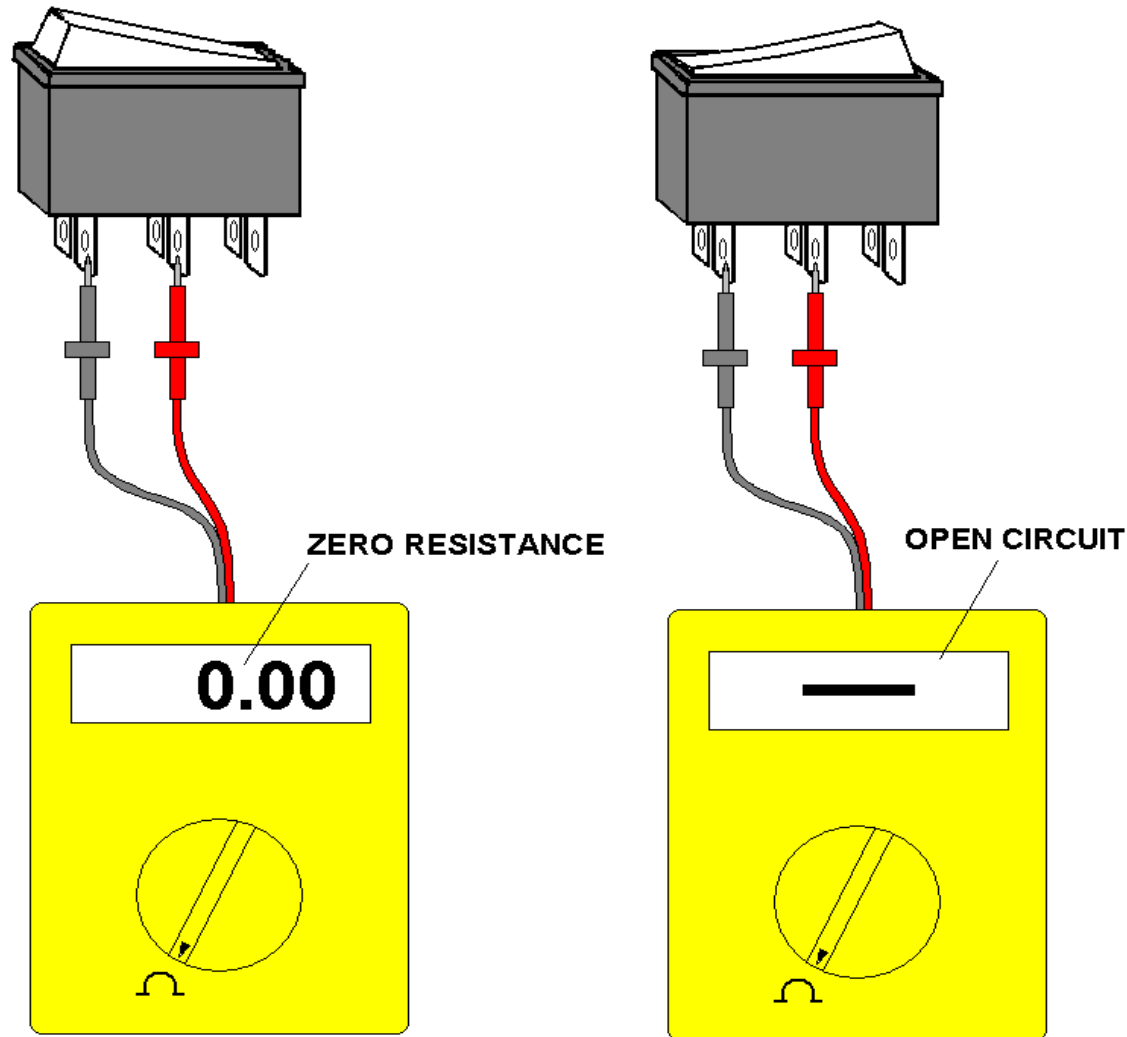
Bad FWD/Reverse Switch

1. Clean the Terminals
2. Use a Multimeter set to "Ohms" to check the continuity of the Center terminal with Fwd/Rear terminals
3. The Ohms should go to zero between **Center and Outer terminals** of one side of a switch when pressed
 - 3a. Check Both ends and Both Sides
4. If Switch Does not work properly, repair per **Quick Tech #5**

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Bad High/Low Switch

1. Clean the Terminals
2. Use a Multimeter set to "Ohms" to check the continuity of the Center terminal with Fwd/Rear terminals
3. The Ohms should go to zero between **Center and Outer terminals** of one side of a switch when pressed
 - 3a. Check Both ends and Both Sides
4. If Switch Does not work properly, repair per **Quick Tech #5**



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Bad Turbo Circuit

1. Clean the Terminals
2. Inspect Circuit Board for obvious damage
3. Replace Turbo Circuit with a new one, or make a replacement [Turbo Circuit](#)

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