**POWERWHEELSCD.com**  Power Wheels Troubleshooting Guide

<table>
<thead>
<tr>
<th>Vehicle Doesn't Run</th>
<th>Vehicle Runs Slowly/No High Speed</th>
<th>Vehicles makes Noises when it runs</th>
<th>Vehicle ONLY works in High Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(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</td>
<td></td>
<td>(Raise back tires off ground to ensure both are Turning Forward)</td>
</tr>
</tbody>
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**Possible causes:**

<table>
<thead>
<tr>
<th>Dead Batteries</th>
<th>Slowly:</th>
<th>Clicking</th>
<th>Bad High/low switch</th>
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</thead>
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<tr>
<td>Blown Fuse</td>
<td>Weak or Dead Batteries</td>
<td>Motor screws not tight</td>
<td>Bad Turbo Circuit/Relays</td>
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<tr>
<td>Charge/Run Switched to charge</td>
<td>Corroded Battery connector</td>
<td>Wrong size pinion (too small)</td>
<td>Disconnected motor</td>
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<tr>
<td>Corroded Battery connector</td>
<td>Burnt / Melted wires</td>
<td>Overloaded</td>
<td>Broken Motor lead</td>
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<td>Burnt / Melted wires</td>
<td>Bad Turbo Circuit/Relays</td>
<td>Clunking</td>
<td>Dead Motor</td>
</tr>
<tr>
<td>Foot Pedal Switch</td>
<td>Disconnected motor</td>
<td>Normal w/Rubber tire conversion</td>
<td></td>
</tr>
<tr>
<td>Turbo Circuit Breaker</td>
<td>Broken motor lead</td>
<td>Inspect/grease gearboxes</td>
<td></td>
</tr>
<tr>
<td>Forward Switch</td>
<td>Dead Motor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dead Motor</td>
<td>No High speed</td>
<td>Clunking</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Hi Speed Lockout unplugged</td>
<td>Inspect/grease gearboxes</td>
<td></td>
</tr>
<tr>
<td></td>
<td>High speed Screw in place</td>
<td>Motor shaft play</td>
<td></td>
</tr>
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<td></td>
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</tr>
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</table>
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)

Back

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

Back
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
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
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

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

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
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 to "Run"
3. Check Continuity of switch

Back
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
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
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