

Common Problems When Operating Mini Train Rides

Problem	Possible Cause	Solution
Train won't move	<ul style="list-style-type: none"> - Key switch is OFF or direction switch in neutral - Battery is dead - Battery terminals loose/corroded - Key switch wiring loose/damaged - Contactor faulty - Drive motor problem 	<ul style="list-style-type: none"> - Turn key to ON and set direction - Recharge battery - Clean & tighten terminals - Fix/replace wiring - Repair/replace contactor - Inspect or replace motor parts
Speed unstable / reverse brake not working	<ul style="list-style-type: none"> - Accelerator faulty - Speed controller damaged 	<ul style="list-style-type: none"> - Replace accelerator - Check/replace controller parts
Drive motor makes noise	<ul style="list-style-type: none"> - Bolts are loose - Armature damaged 	<ul style="list-style-type: none"> - Tighten bolts - Repair or replace motor parts
Battery won't charge	<ul style="list-style-type: none"> - Charger broken - Loose connection wires - Battery damaged - Charging voltage too low - Battery fully discharged 	<ul style="list-style-type: none"> - Repair or replace charger - Tighten wiring - Replace battery if needed - Adjust charging voltage - Add electrolyte or replace battery

Uneven tire wear / steering not smooth	<ul style="list-style-type: none"> - Tire pressure low or uneven - Steering gearbox water/old grease - Moving joints not lubricated - Wheel nuts loose - Bearings worn - Brake force uneven 	<ul style="list-style-type: none"> - Inflate tires properly - Clean & lubricate steering system - Grease joints - Tighten nuts - Replace bearings - Adjust brake shoes
Brakes too weak	<ul style="list-style-type: none"> - Brake shoes worn - Poor shoe-to-drum contact - Brake shoes oily/wet 	<ul style="list-style-type: none"> - Replace brake shoes - Adjust clearance, repair drum - Clean oil/water off shoes
No display / no “click” sound / won’t start	<ul style="list-style-type: none"> - Key switch faulty - Loose/broken wiring - Battery terminals oxidized - Main fuse blown - Battery polarity reversed 	<ul style="list-style-type: none"> - Repair key switch - Reconnect wiring - Clean terminals - Replace fuse - Correct polarity
Display works but train won’t start	<ul style="list-style-type: none"> - Accelerator not responding - Forward/reverse switch faulty - Accelerator, contactor, or controller faulty - Drive motor issue - Controller damp/wet 	<ul style="list-style-type: none"> - Adjust accelerator - Repair switch - Repair faulty parts - Dry controller