WowWee MiPosaur Locomotive Problem Repair Guide
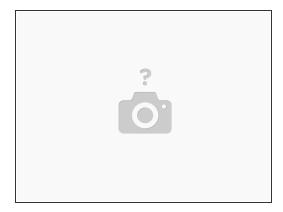
If your MiPosaur is not moving correctly, this guide will allow you to fix the most likely cause.

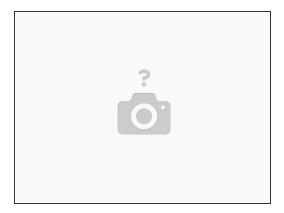Written By: Michael Deitz

INTRODUCTION

If your MiPosaur is not moving correctly, this guide will allow you to fix the most likely cause. Before you begin, turn MiPosaur off and spin both wheels. If one makes an abnormal whir, this guide can help correct the issue. You can also check by jiggling both wheels gently. If one does not stay in place correctly, that wheel is the one with the issue.
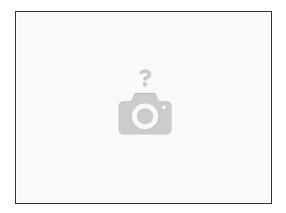
Step 1 — Battery Removal

- To begin, ensure MiPosaur is off, and loosen the screws on the battery compartment.

- The battery compartment will detach from the device once all screws have been loosened.
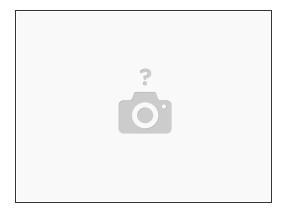
Step 2 — Opening the Body

- Once the battery compartment is removed, remove the screws on the side of the body.

- (i) It is best to use a sorting tray or other method to keep track of each screw and determine where it goes.

- Remove the blue plastic tabs at the base of the tail and at the mouth joint on the same side of the body.

- Remove the screws hidden underneath these tabs, and pull lightly on the body to open it.

- ⚠ The halves of the body are still attached via wires, so be careful not to break them.

- (i) The LED Mood Indicator cover, tail markings, and tail will detach when the body is opened. Additionally, the tail can be detached without disassembly by pulling firmly on it.

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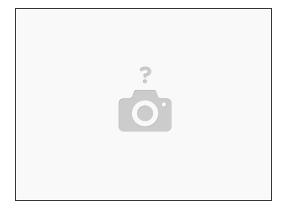www.iFixit.com

Step 3 — Removing the Leg

- Remove the screws on the power board and motherboard, and lift the motherboard up.

- On the underside of the motherboard, trace the wires of the faulty leg to the appropriate connector.

- Remove the plug from the connector.

- (i) Pliers are suggested to remove the plug from the connector.

- Remove the screws around the base of the circular opening in the body.

- Twist the leg slightly and remove it from the body, routing the wire through the large opening.
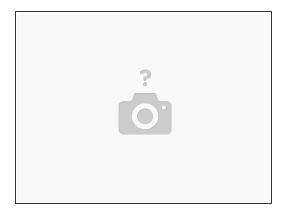
Step 4 — Opening the Leg

- After the leg has been removed from the body, remove the screws securing the wheel covers.

- With the wheel exposed, hold it down firmly, so it does not rotate, and remove the screw in the center. This can be difficult to remove.

⚠️ Though the wheel can be removed without unscrewing it first, it will detach a gear from the gearbox, so please remove the screw first.

- Remove the screws from the leg, including the screws hidden underneath the wheel.

- Remove the rear casing from the leg, routing the wire through the large opening.
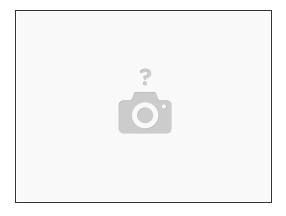
Step 5 — Removing the Gearbox

- Once the leg has been opened, remove the wire lock by unscrewing it from the front casing.

- Remove the gearbox from its holster.
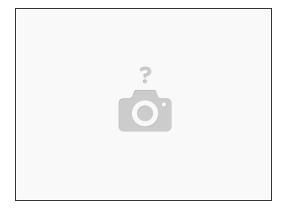
Step 6 — The Fix

- A Ferris wheel-shaped part should be connected to the gearbox motor's axle. Ensure it is not loosely connected or missing. If loose, push it further down the axle and into place.

- (i) If necessary, you can open the gearbox by removing the screws surrounding it.

Step 7 — Reassembly (1)

⚠️ The wires attached to the gearbox are fragile and can be broken off easily. Take care when handling the gearbox.

- Place the gearbox back in its holster and secure the wiring with the wire lock.

- Route the wiring through the hole in the rear casing, and reattach all screws.

- Reattach the wheel to the leg and secure it with the screw.

- Reconnect the wheel covers and attach the screws.

- Route the wires through the opening in the body, and reattach it to the connector.

- Reattach the screws securing the motherboard and power board.

- Slide the LED Mood Indicator cover and tail markings into their corresponding slots, and close the body.

Step 8 — Reassembly (2)

(i) The body may not close due to the mechanism connecting a magnet to the lower jaw. If the body does not close, try repositioning this mechanism by raising/lowering the magnet or jaw.

● Secure the body together with the remaining screws.

● Reattach the two blue tabs, and screw in the battery compartment.

Turn MiPosaur on, and check to see if the fix works. If it did, I'm glad this helped!