



Mobile Armatron Teardown

Written By: I Heart Robotics



INTRODUCTION

A mobile robot developed in the 80s by Tomy and sold by Radioshack in the United States.

More videos and information can be found at the [I Heart Robotics](#) blog

This guide shows a tear down of the main arm.



TOOLS:

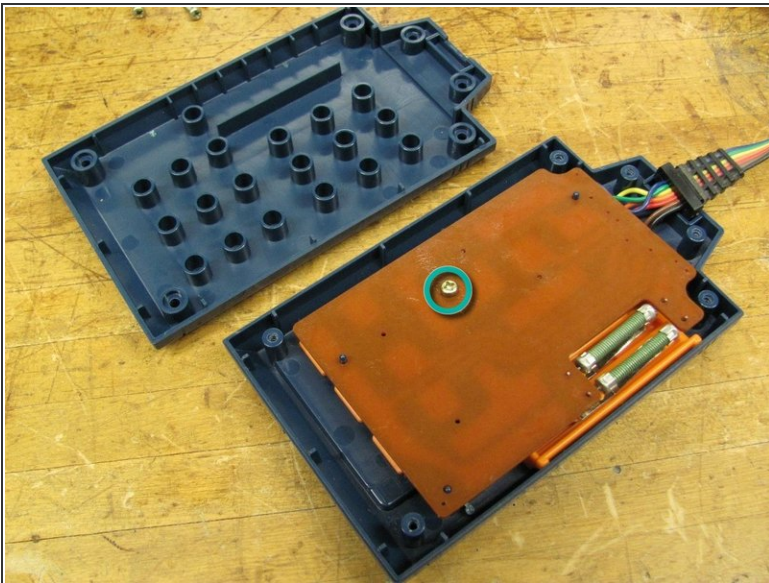
- [Contact cleaner](#) (1)
 - [Precision Utility Knife](#) (1)
 - [Paper Towels](#) (1)
 - [Phillips #1 Screwdriver](#) (1)
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Step 1 — Teardown



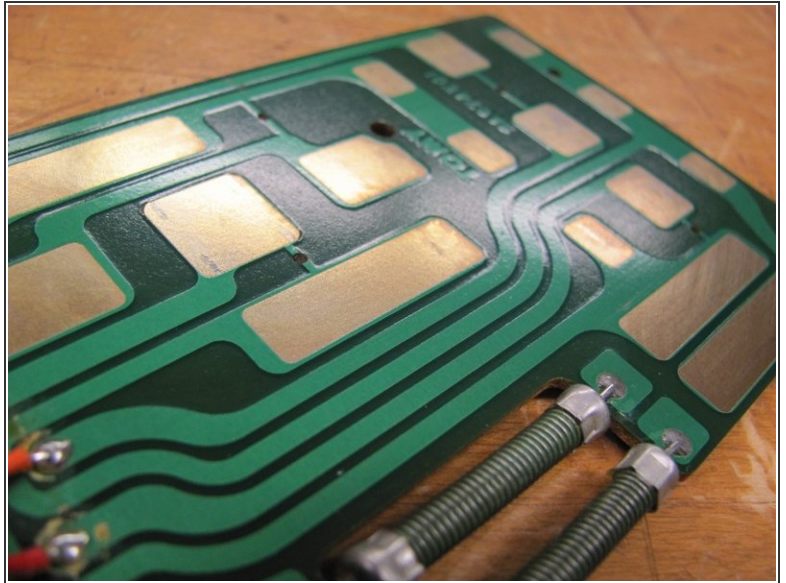
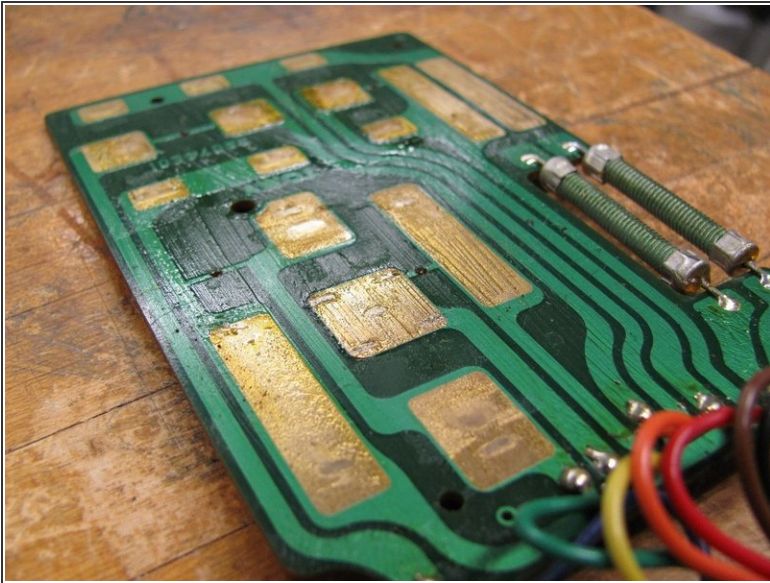
- Open up the remote control.

Step 2



- Remove the screw as indicated.

Step 3



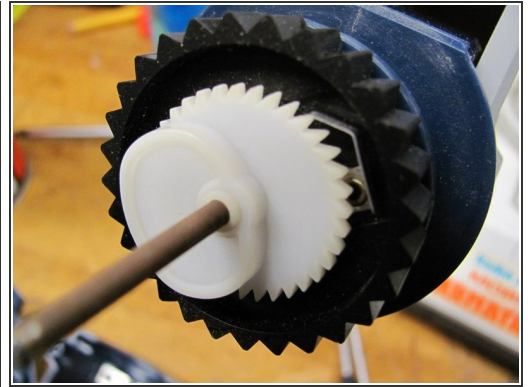
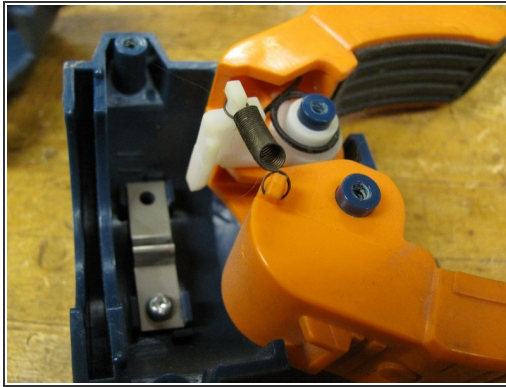
- If someone spilled soda or apple juice over the controller it may be helpful to clean the board using contact cleaner.

Step 4



- Remove screws where indicated.

Step 5



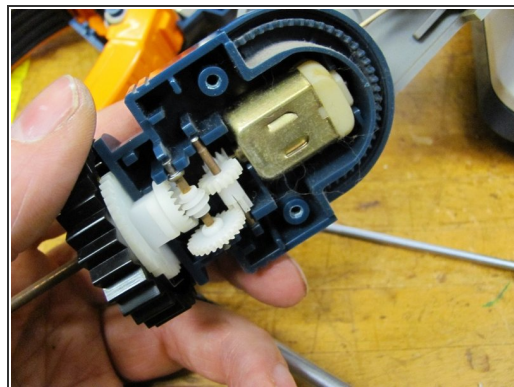
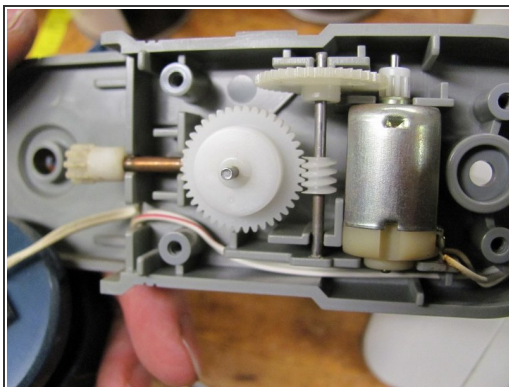
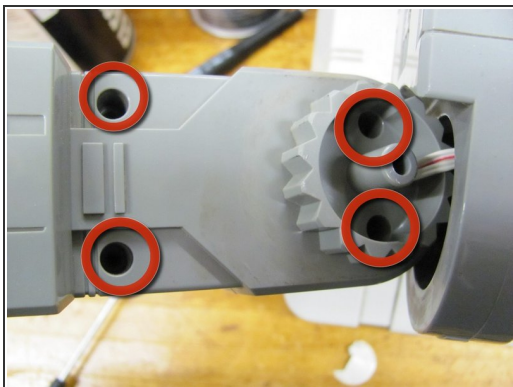
- Gripper components can be removed for further disassembly.

Step 6



- Use the knife to peel off stickers that conceal the screw holes.

Step 7



- More screws can be removed to check the condition of gear teeth.
- Admire the mechanical design.