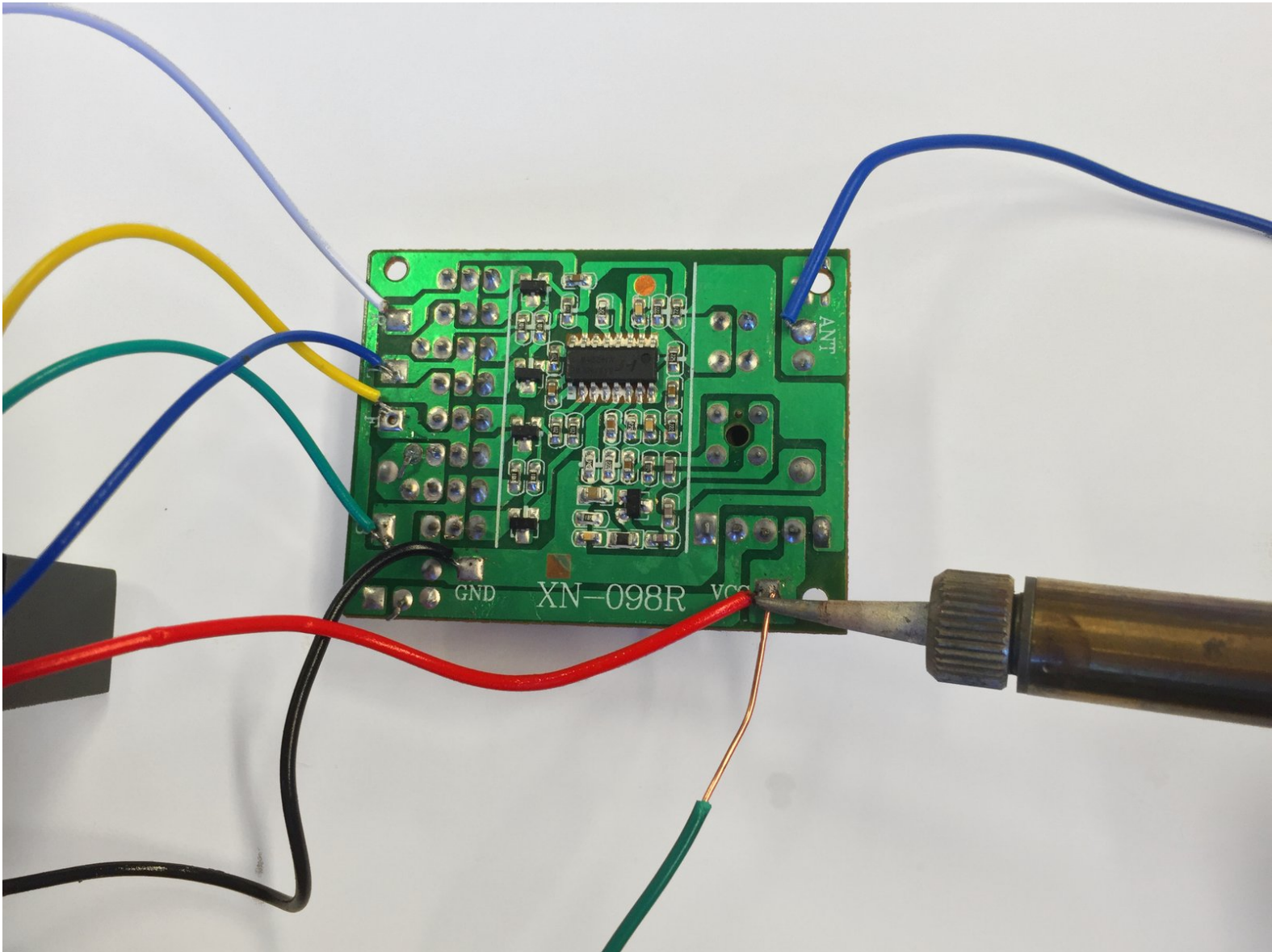




Geardup RC Ford Mustang GT Car Circuit Board Replacement

Use this guide to replace the circuit board in the GEAR'D UP RC Ford Mustang GT.

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INTRODUCTION

The circuit board of the car delivers information from the remote to the motors so the car can move. If the circuit board has a broken component and no longer works, it's far easier to replace the whole board rather than trying to find the broken component. The following steps will show you how to replace the circuit board of the car.

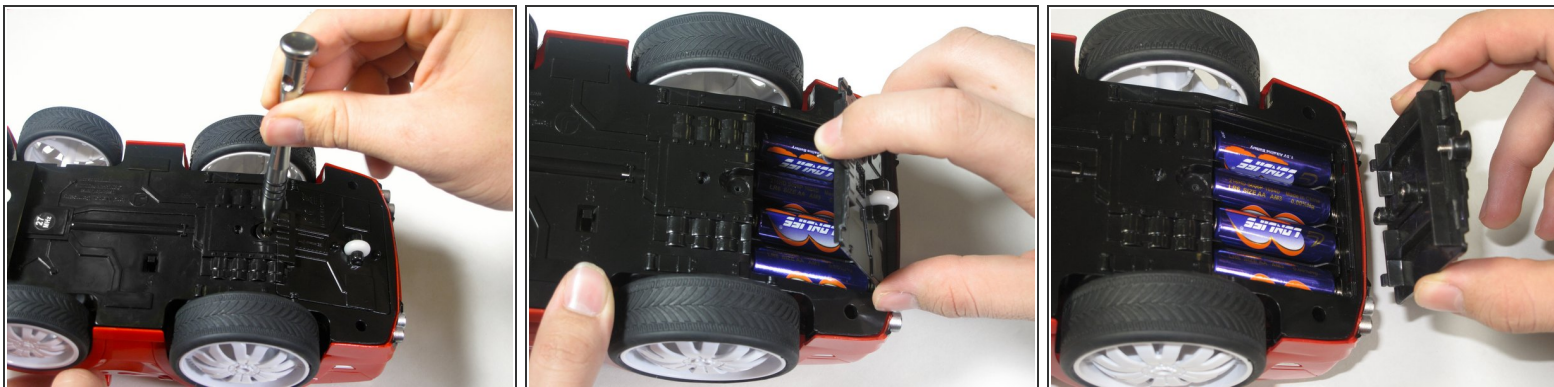
Note: This guide will involve soldering. For information on how to solder, please visit iFixit's [Soldering Skills](#) page.



TOOLS:

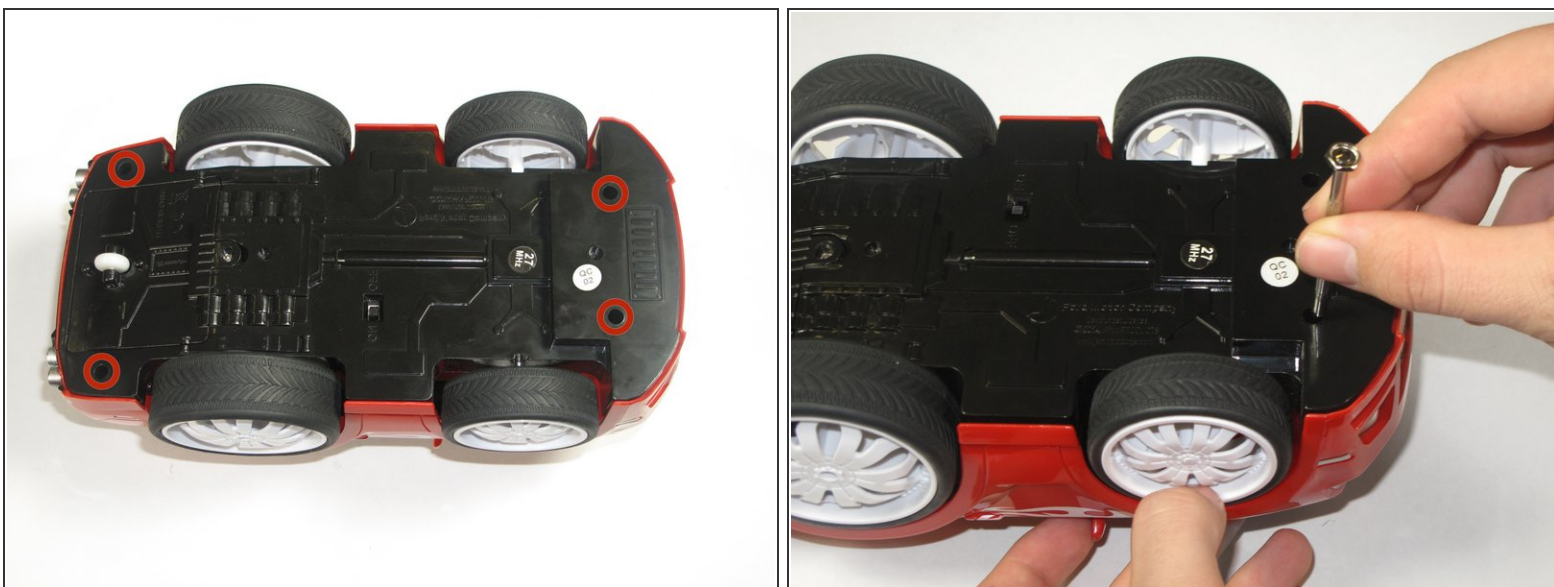
- [Phillips #0 Screwdriver](#) (1)
 - [iFixit Opening Tools](#) (1)
 - [Soldering Workstation](#) (1)
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Step 1 — Battery Cover



- Remove the 5mm Phillips #0 screw from the bottom of the car, located between the rear wheels.
- Gently lift the battery cover from the car to expose the batteries.

Step 2 — Lower RC Car



- Flip the car over and remove the four 5mm Phillips #0 screws that hold the shell to the car chassis.

Step 3 — Shell



- Flip the car over again to its upright position and vertically lift the shell from the car.
- ★ During re-assembly, make sure the shell is correctly aligned. If it is not aligned correctly, it may rub on the wheels, possibly preventing them from turning.

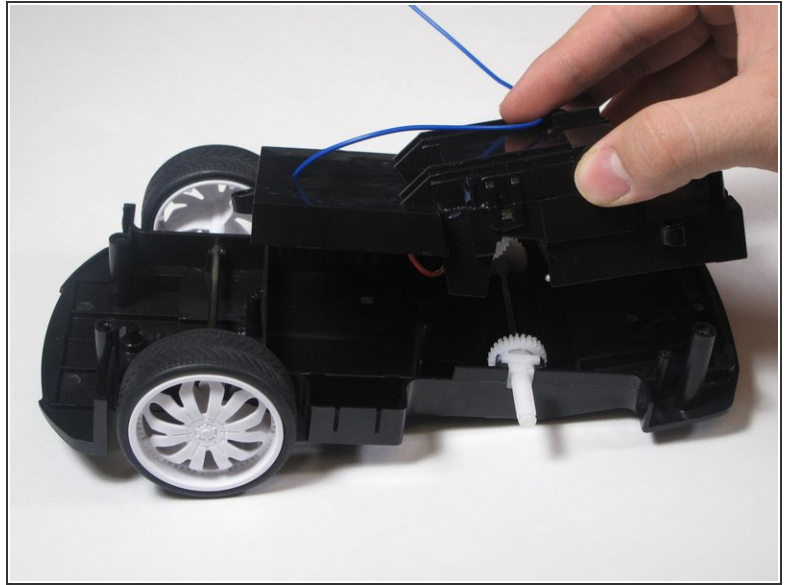
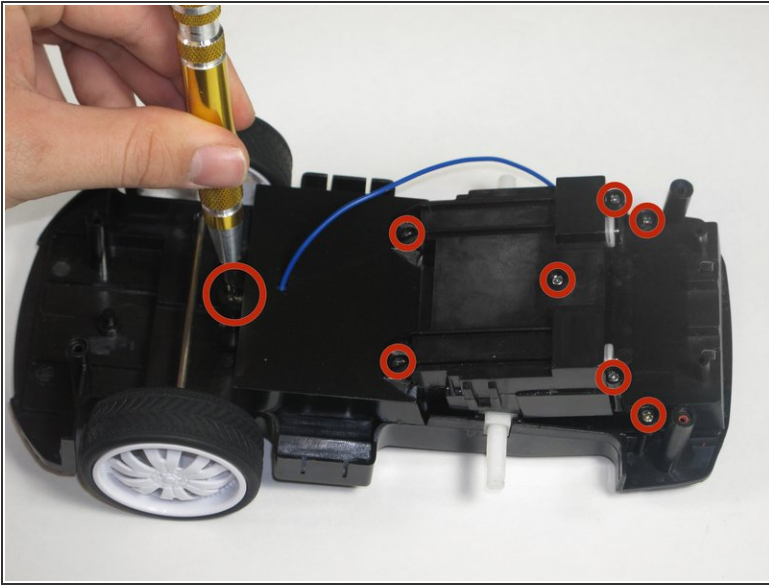
Step 4 — Rear Wheels



- Unscrew and remove the 5mm Phillips #0 screw located at the center of the wheel while holding the wheel still.
- Slide the wheel off of the axle.
- Repeat the previous steps for the other rear wheel.

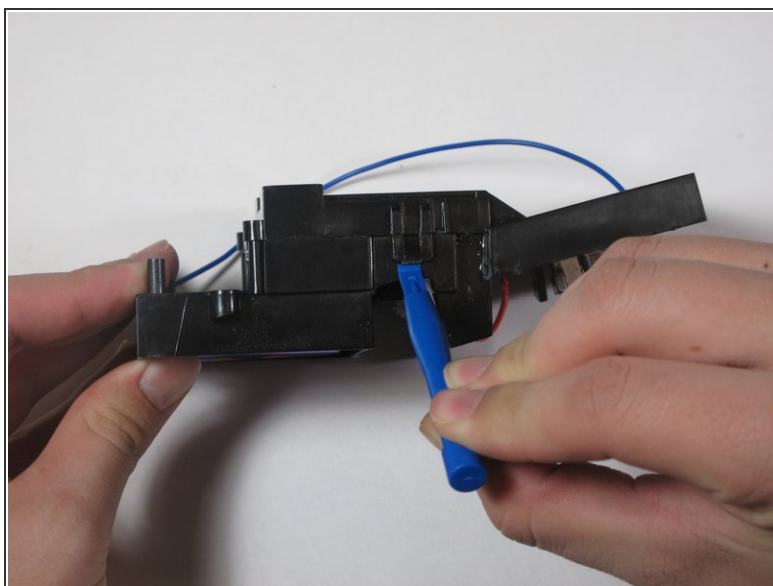
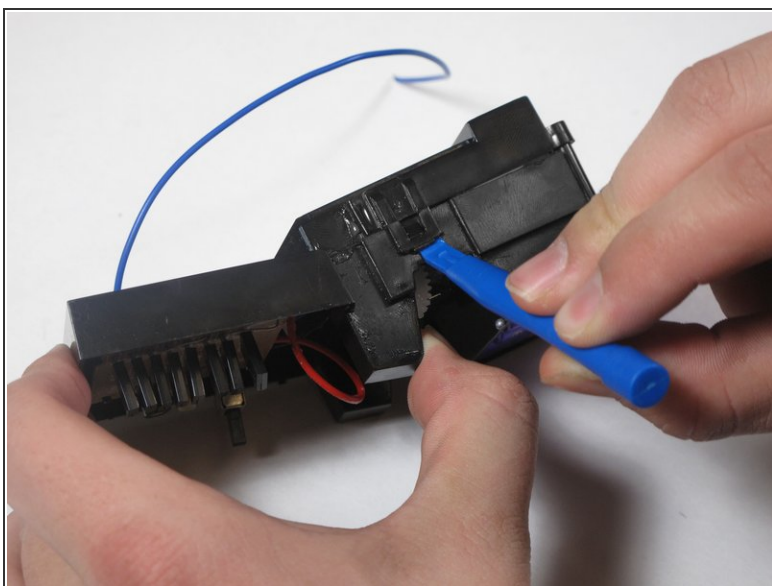
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Step 5 — Motor/Circuit Board Enclosure



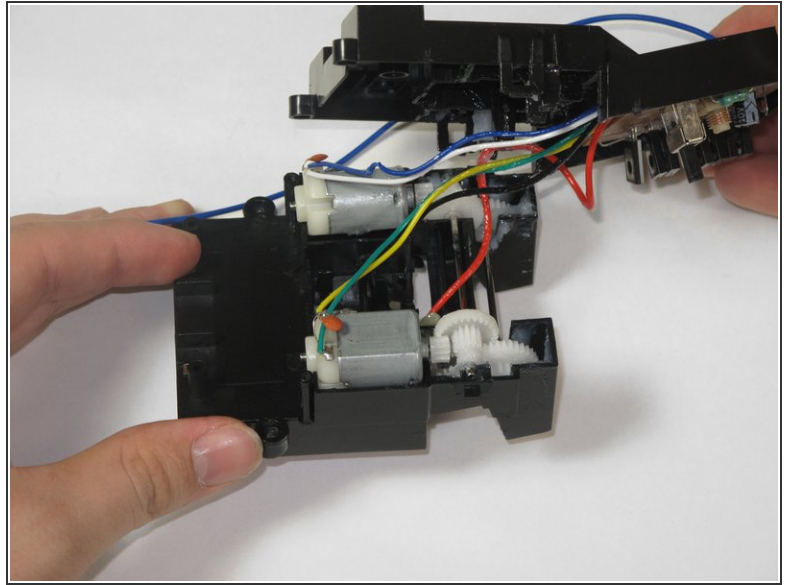
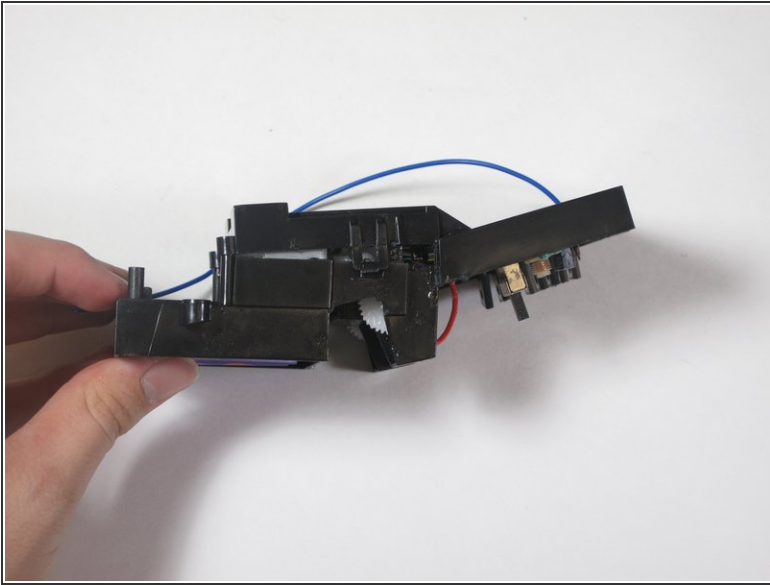
- Remove the eight 5mm Phillips #0 screws located on the top of the motor/circuit board enclosure.
- Vertically lift the motor/circuit board enclosure from the car chassis.

Step 6



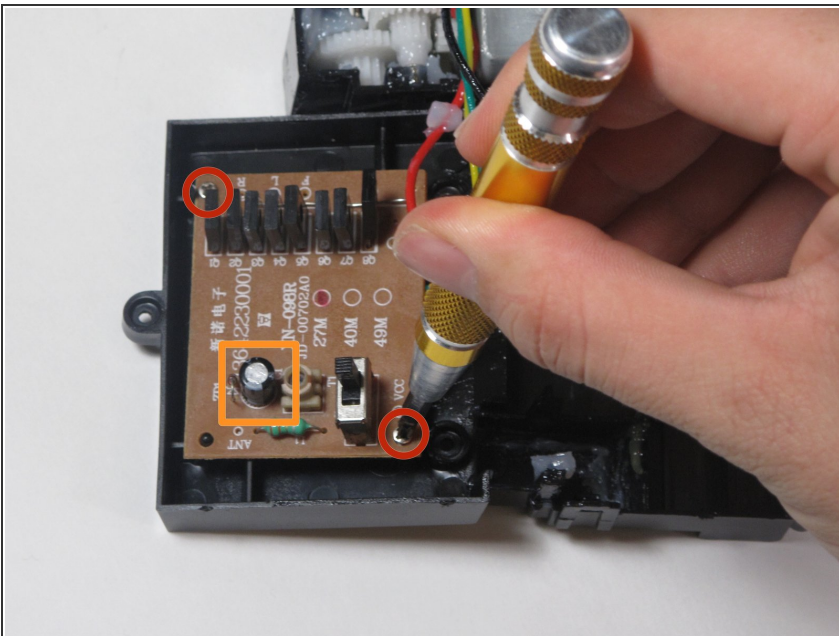
- Using a small plastic opening tool, gently pry the clips to release the tabs on the circuit board casing. The clips can be located above where the rear wheels used to be.
- ⚠ Lift the clips just enough to release them from the tabs. If they are pried too far, they may snap off.
- ⓘ There is a clear gear grease inside the enclosure.

Step 7



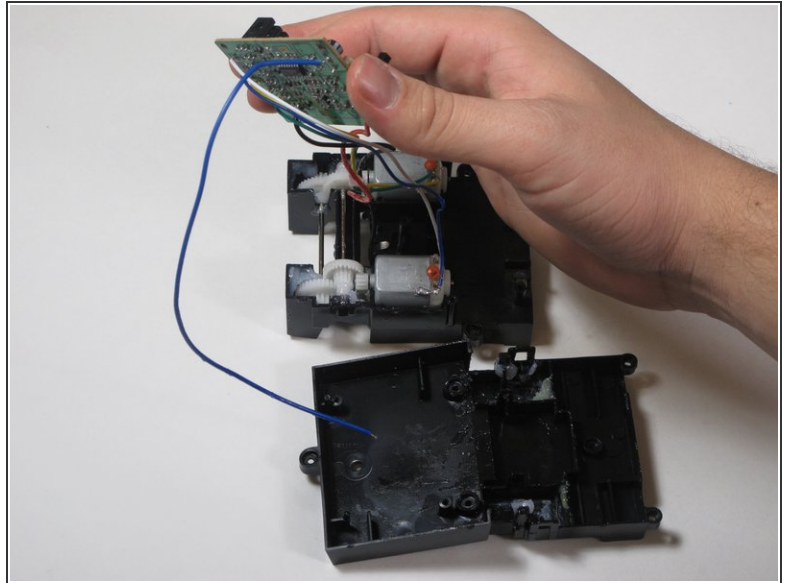
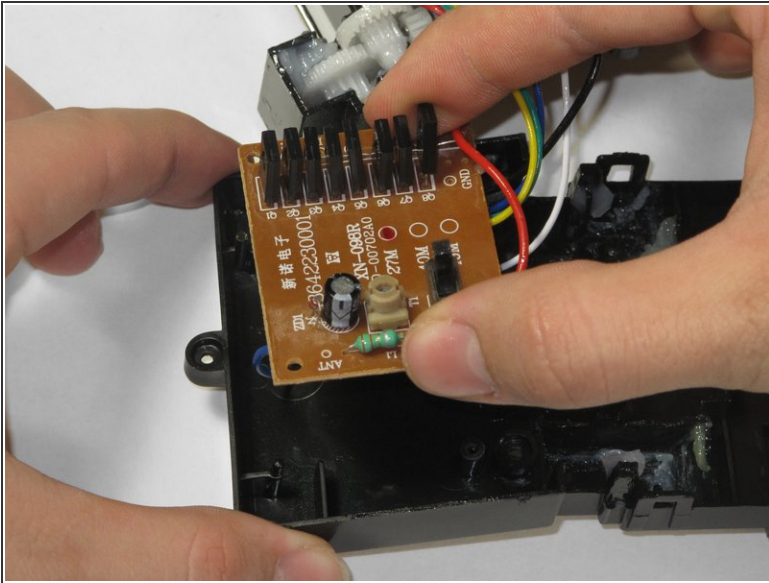
- Lift the circuit board casing from the enclosure to reveal the motors, gears, and circuit board.
- ☑ During re-assembly, make sure the wires are not pinched between plastic dividers in the enclosure as this may damage them.

Step 8 — Car Circuit Board



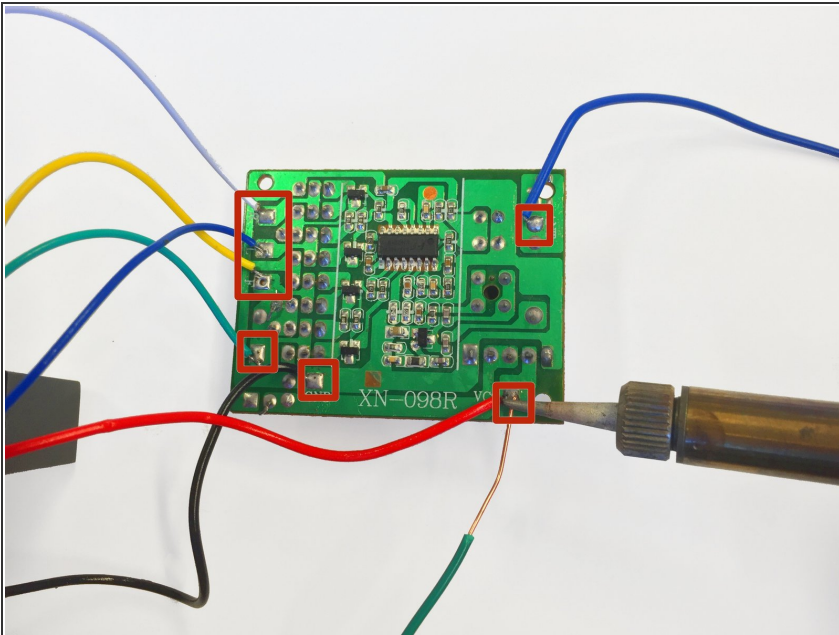
- ⚠ The black and silver cylinder boxed in orange is a capacitor. Capacitors may store a charge even with batteries removed. If you accidentally touch the bottom of the capacitor, it may discharge and you may feel a slight shock.
- Unscrew the two 5mm Phillips #0 screws that hold the circuit board to the casing.

Step 9



- Lift the circuit board from the plastic casing and flip it over to expose its underside where the wires are connected.

Step 10



- ☑ Make note of where each wire is connected to the circuit board for re-assembly as they will be removed from the board in the next step.
- Using the copper solder wick, remove the solder connecting each of the seven wires to the circuit board.

To reassemble your device, follow these instructions in reverse order.