

Rock Climber Power Car

By: GRIP's Toy Adaptation Team

Average Time: #

Supply List:

- Rock Climber Power Car
- Small Screwdriver
- Soldering Iron
- Solder
- Wire
- Button for testing
- Hot glue gun

Caution: This manual uses drills and soldering irons. Make sure you review the safety guidelines before using these devices to prevent injury. GRIP is not liable for any injuries/damage caused.

Procedures:

1. Carefully remove the toy from its packaging.



2. Find where the battery pack is and remove any batteries.
 - a. The batteries are located in the body of the car. Separate the plastic red part of the body from the wheels to access the batteries.





- b. There are batteries in the remote too, so remove those batteries by unscrewing the back cover with a small phillips head.
3. Open the remote by pulling apart the junctions along the seams.



4. Unscrew 1 screw at the top of the motherboard in the remote



5. Flip the motherboard so that the buttons are facing down and the back is showing

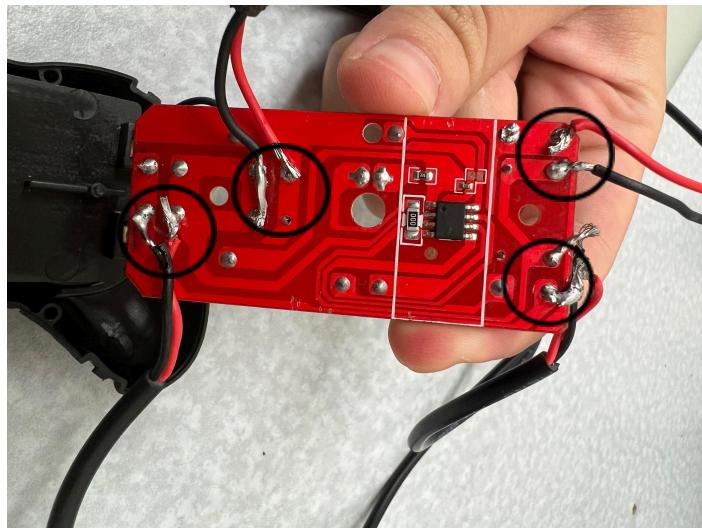




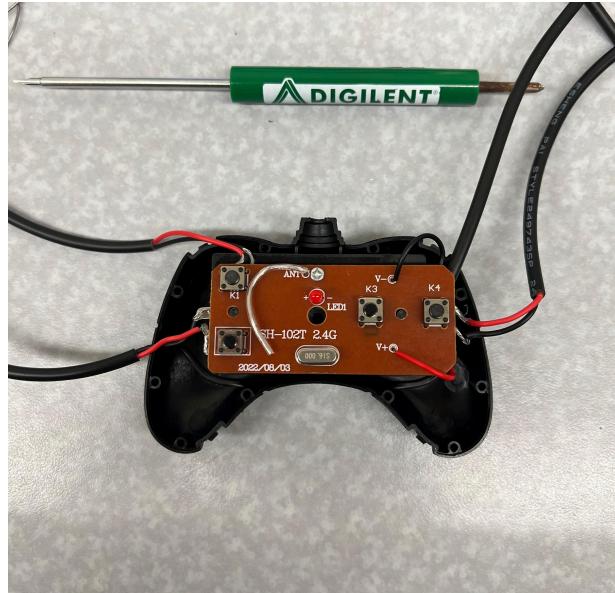
6. Tin (apply a small amount of solder) the ends of both wires on both sides.



7. Locate the metal pegs on the underside of the board. There are four buttons on the remote and each button has four pegs arranged in a rectangle. Each one of the black wires needs to be soldered to a peg as shown in the picture below.



8. If the red and black wires that originally connected the board to remote detach, resolder them in place. If the board is still attached to the remote, ignore this step.
9. Replace the motherboard and the screw that goes along with it.



10. Bring the remote to the drilling station and have them drill four holes into the locations indicated below
11. Thread the wires through each of the 4 holes drilled into the sides of the remote. Close the remote by snapping the two halves back together.





12. Add in batteries to both the car and the remote. Test the toy by pushing ends of each wire together. Take out batteries immediately after testing. If lights are blinking, try a different battery!
13. Thread the wires through the hole of the button stand and tie a knot in the middle of the wire that is inside the stand. Then, solder each of the four wires to a button as shown below. You will need 4 buttons.



14. Test the buttons. If they work, add hot glue into the top holes so that they will stay in place.





15. Hot glue around where the wires exit the remote to make sure wires remain in place.



16. Remove the batteries from both the car and the remote before packaging it up.

17. Enjoy your adapted RC Car!

