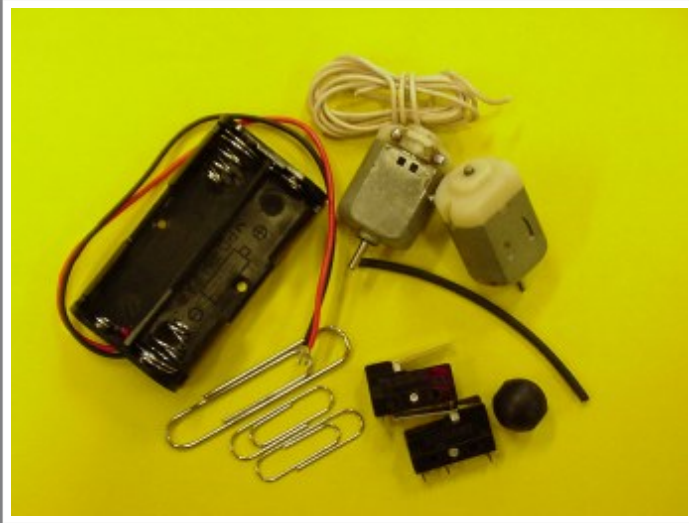


The Beetle Bot

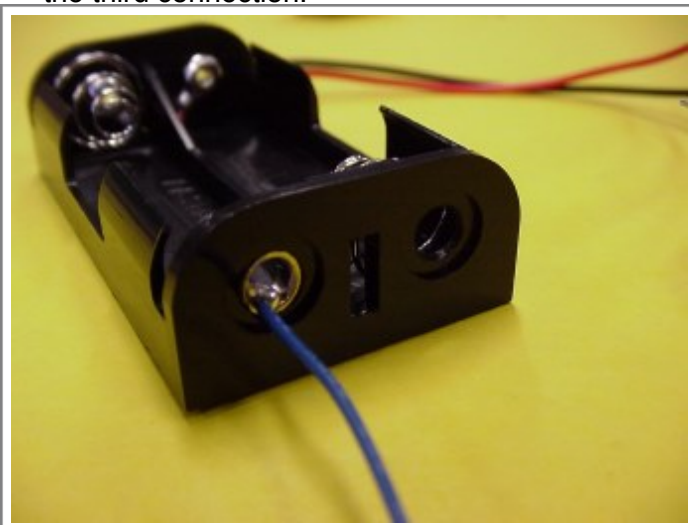
Materials: Battery case, 2 motors, 2 Paddle switches, electric wire, paper clips, large bead.



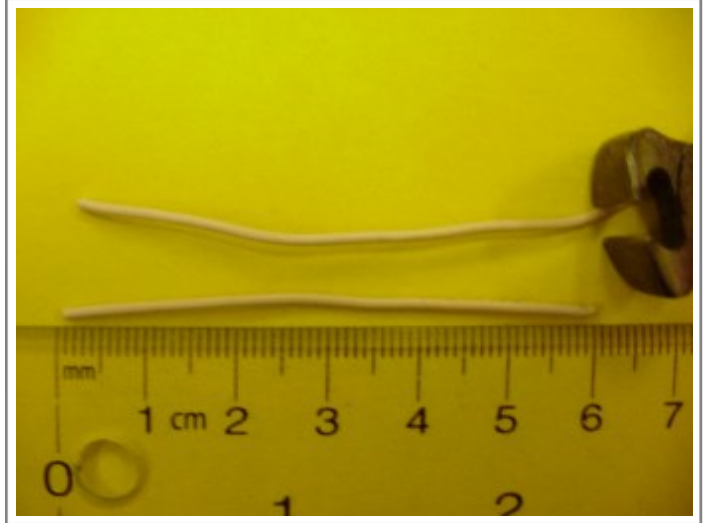
Strip 1 cm at each end.



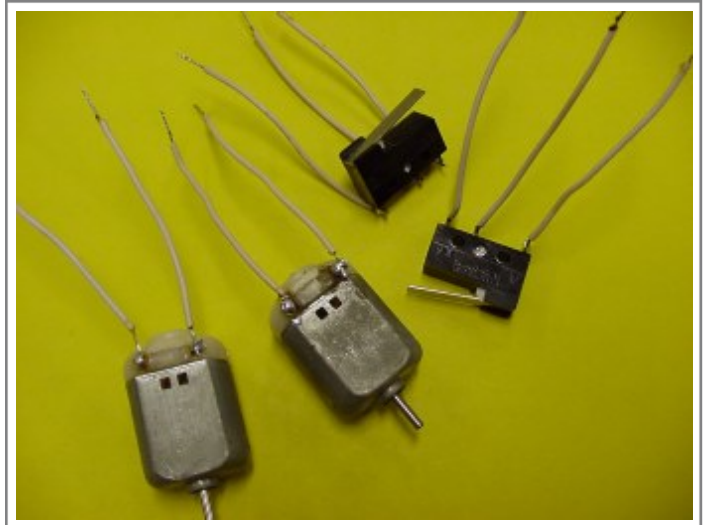
3. Make a connection at the other end of the battery holder by soldering a wire there. This is the third connection.



1. Cut the electric wire in pieces of 6 cm each, 13 times.

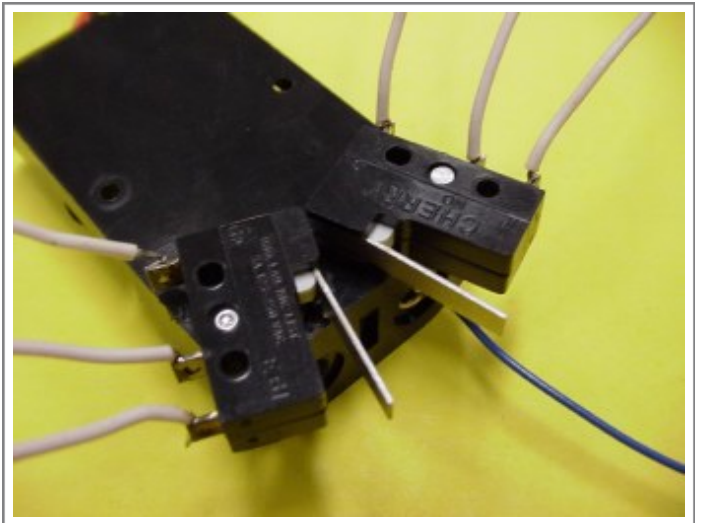
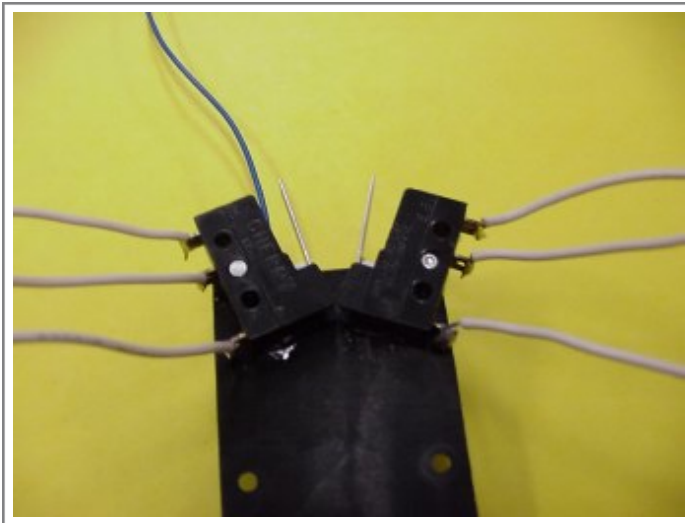


2. Solder each wire to each component except the two batteries.

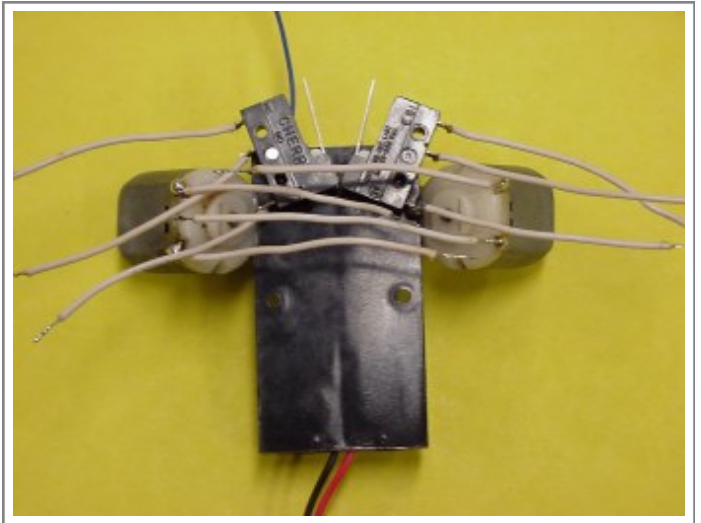
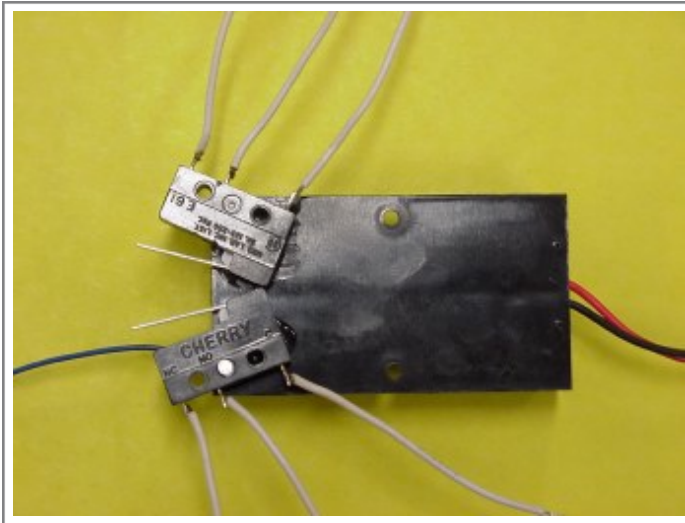


4. Turn the battery holder up side down so the batteries point to the ground. Glue the two switches on the battery holder in a V form.

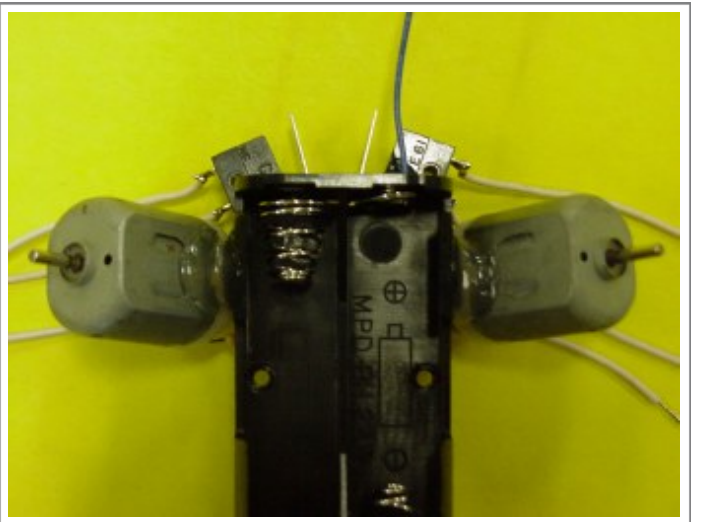
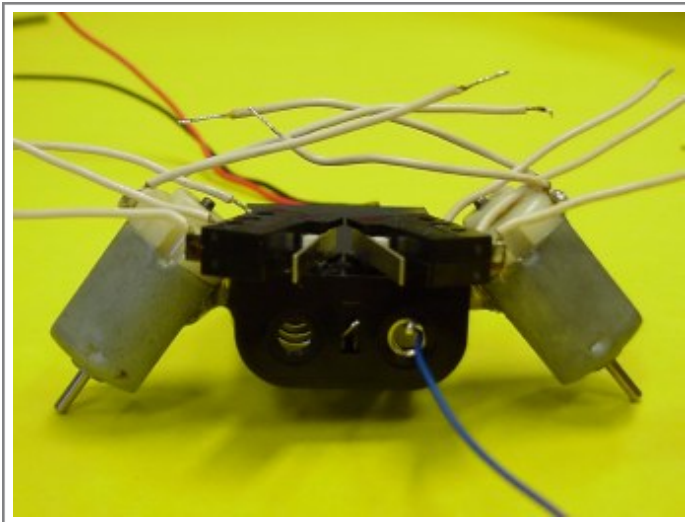
Make sure the switches look like these pictures.
Check your work and soldering.



6. Glue the motors with glue gun beside each switch so that the shaft touches the ground.



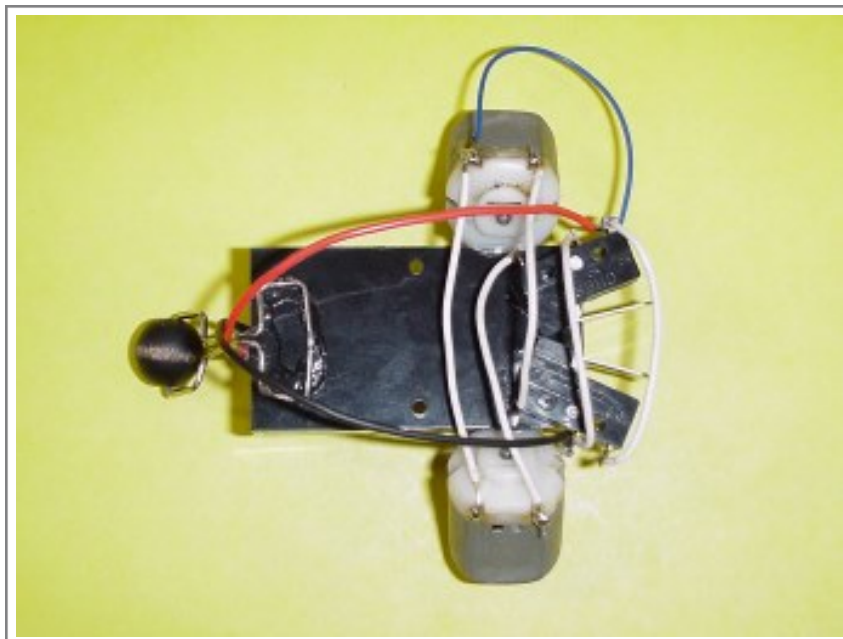
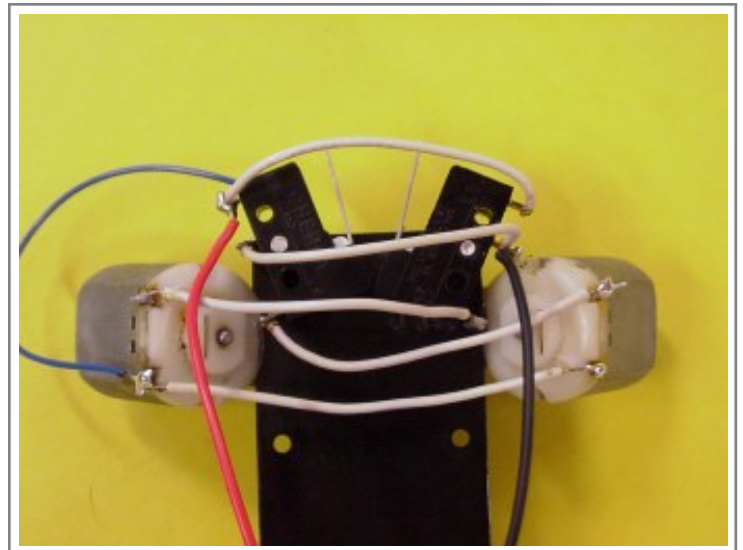
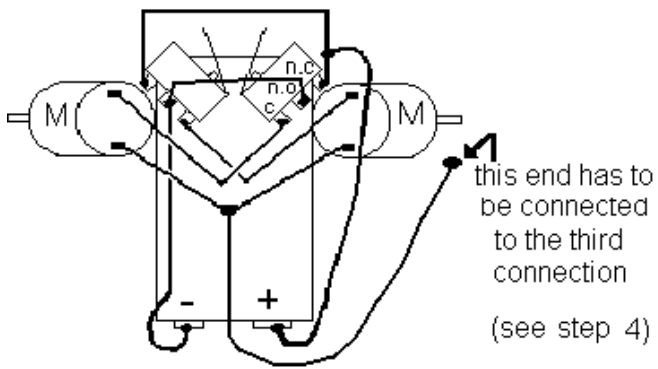
Make sure motors are glued diagonally and shafts (tips) are touching the flat surface.



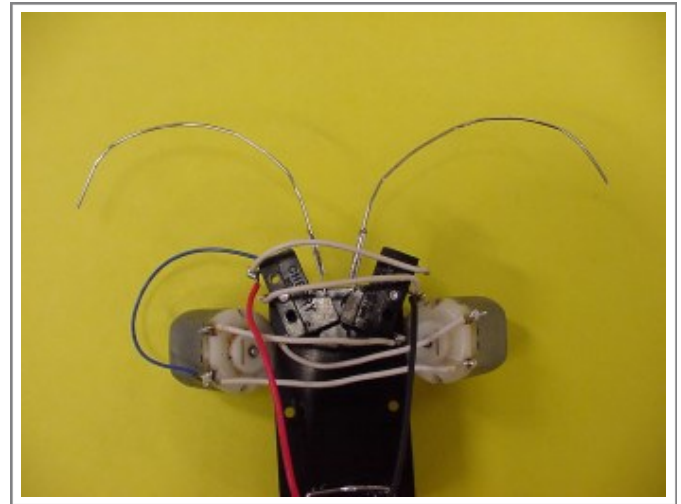
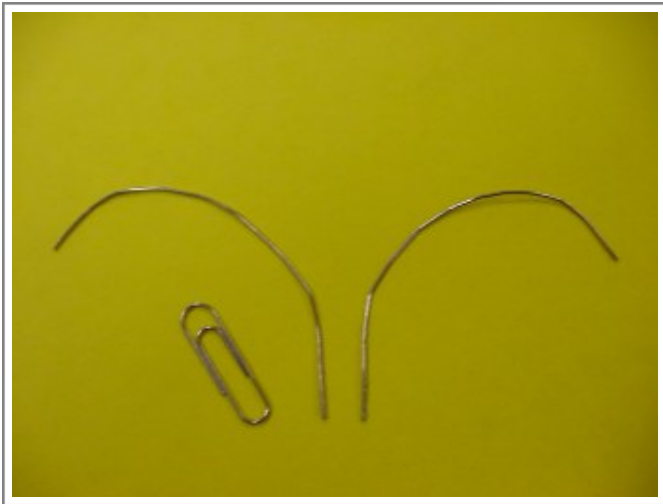
7. Use the paper clip and bead to make a caster or rear wheel.



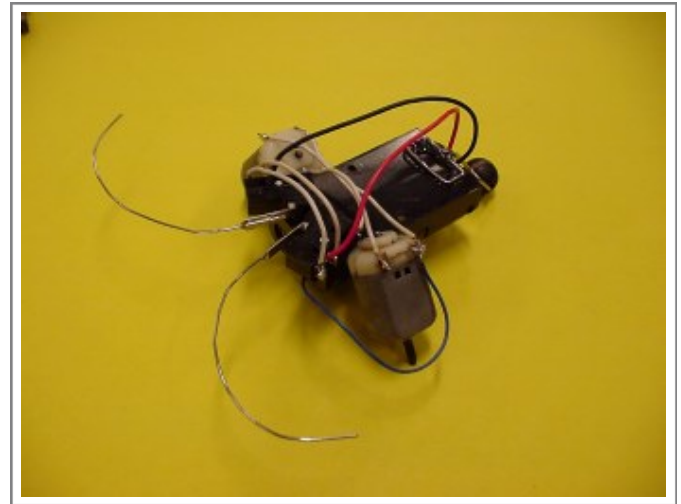
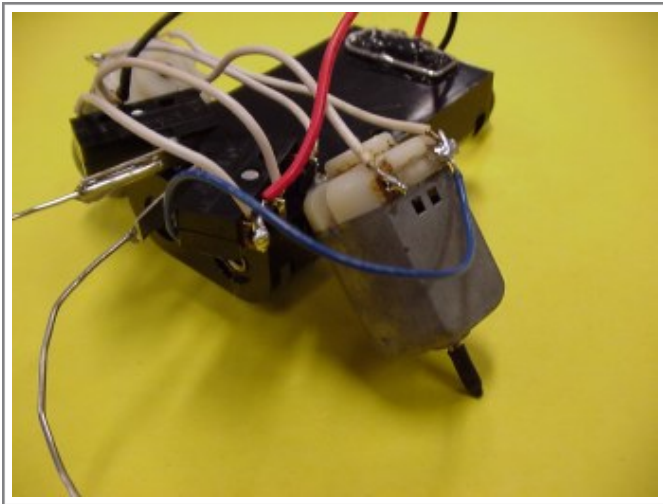
8. Follow the diagram and example to solder the connections correctly.



9. Using paper clips or wire, cut, bend and glue to the paddle switches.



10. Put batteries in, flip the switch and see if it works.



Try Adding a shell to cover your Beetle Bot or Decorate it.





SPDT Switch