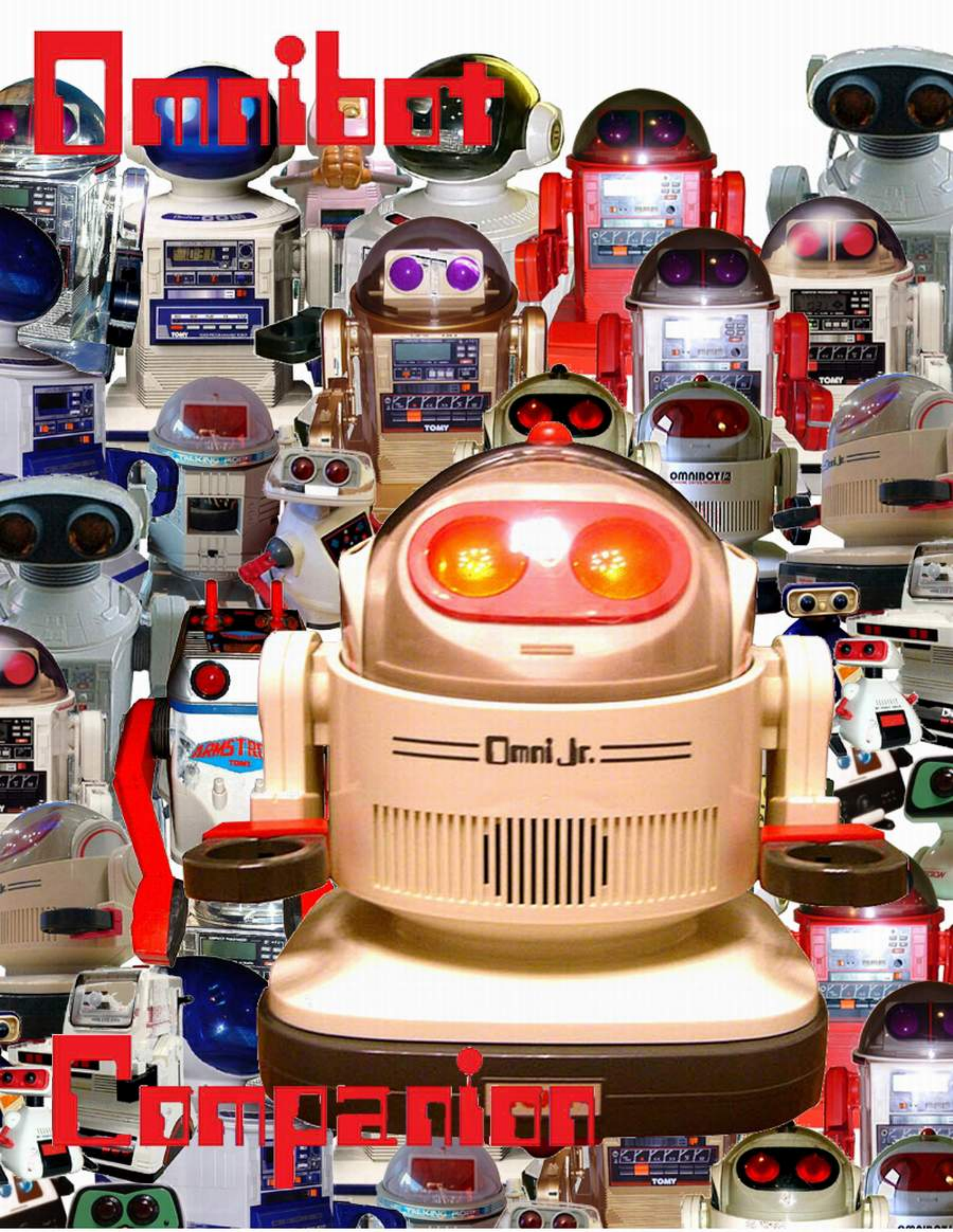


Omnibot



Omni Jr.

Companion





Omni Jr[®]



Omni[®] Jr Click to Enlarge



Omni[®] Jr Click to Enlarge



Omni[®] Jr Click to Enlarge



Omni[®] Jr Click to Enlarge



Omni Jr. - Click to enlarge



Omni Jr.



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The Old Robots Web Site

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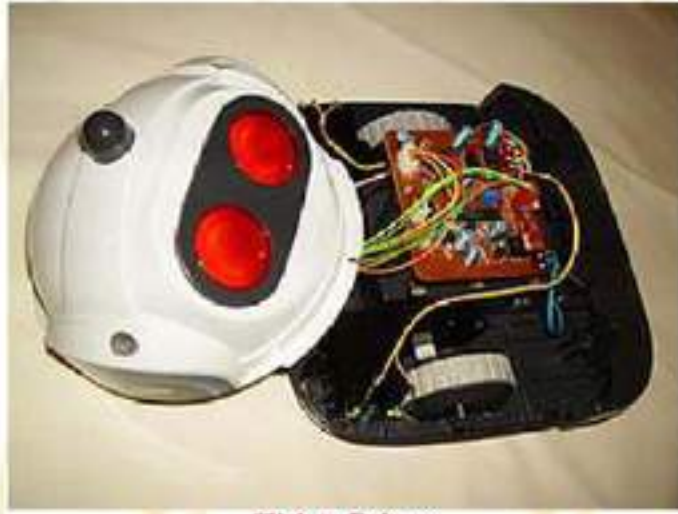


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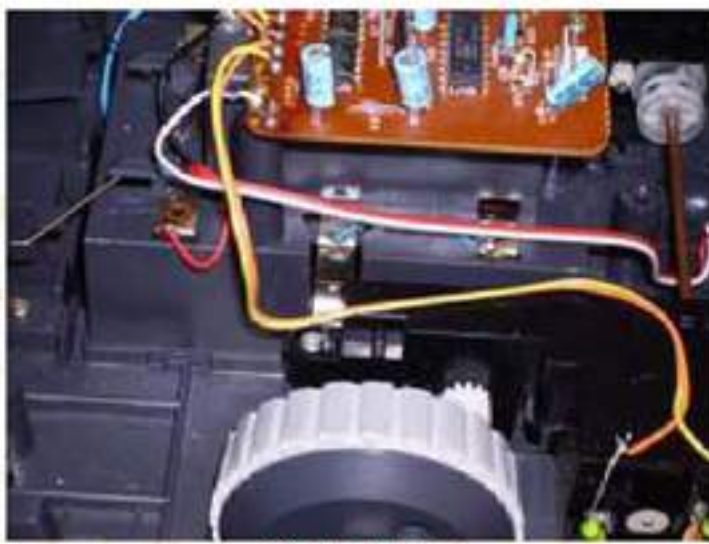
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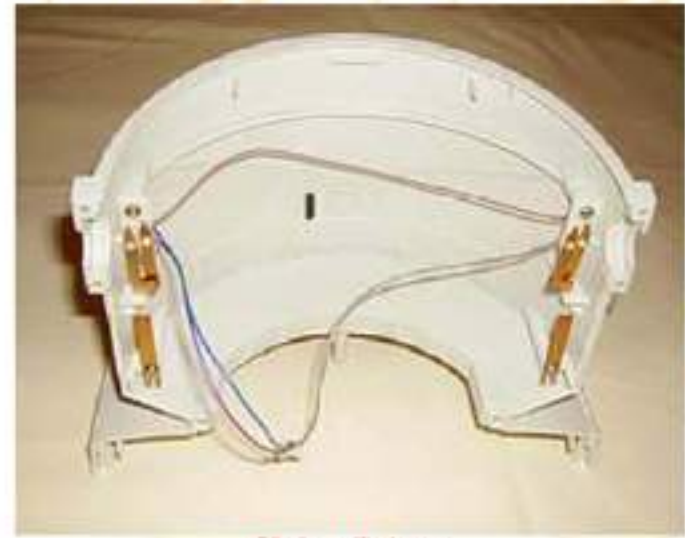
[Click to Enlarge](#)



Robie Jr - [Click to Enlarge](#)



[Click to Enlarge](#)



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The above pictures are from the Robie Jr.® and Omni Jr.® robot. This will give you an insite of the inside of the robot.

REFERENCE: Omni Jr.®; Robie Jr.® & Omnibot Jr.® Repairs Questions & Answers:

Q. The (Robots Jr.) does not move forward or backward or right or left and the switch is ON ?

A. Check the Batteries and if they are bad, replace them.

Q. If the Batteries are good what then?

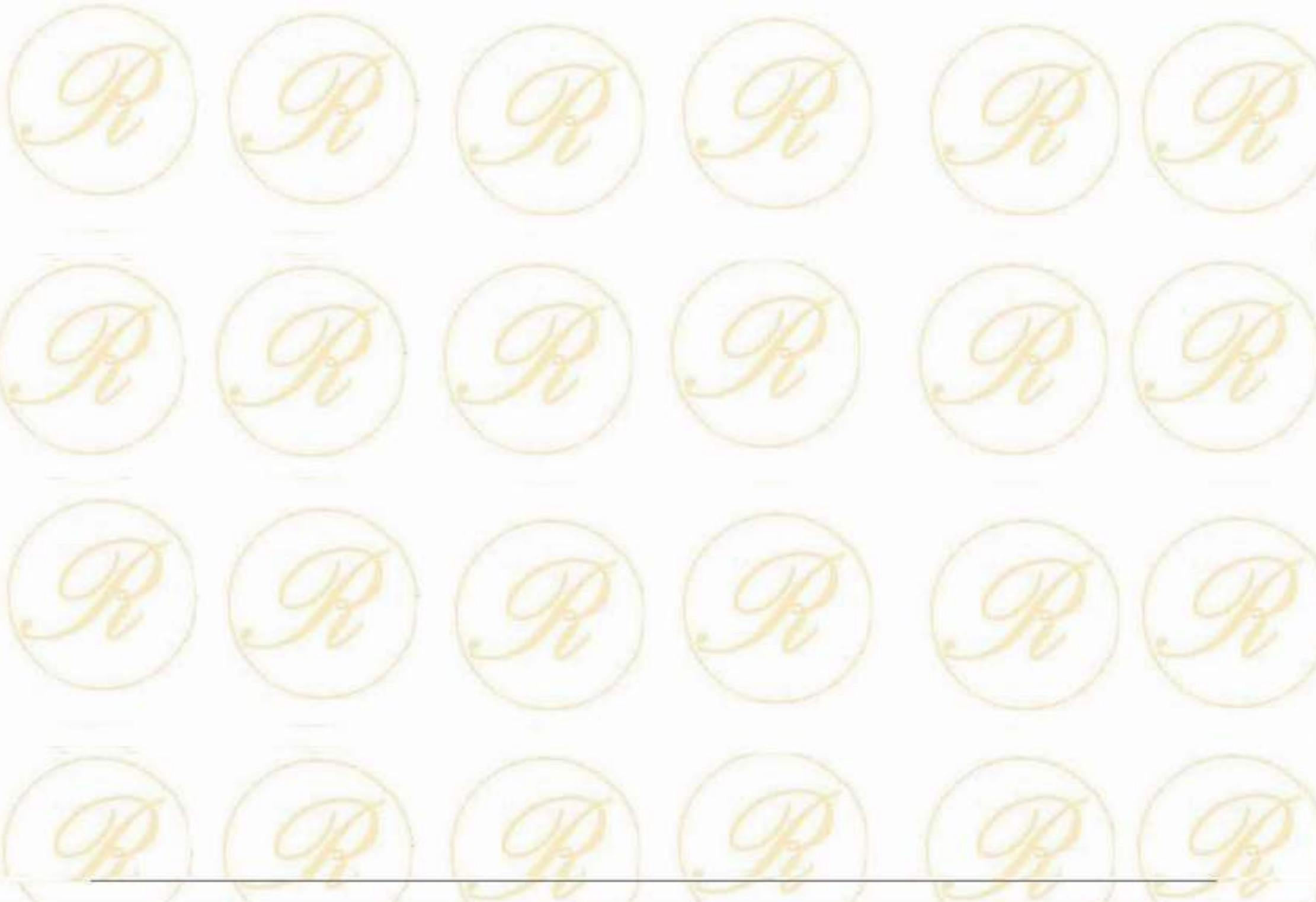
A. Make sure that they are making a good connection. Check the connection for the terminals can be oxidized or corroded.

A. Directly check the Motor by applying DC voltage directly to the motor.

The (Robots Jr.) Works but keeps loosing power and goes dead when bumped or is running?

A. The battries is losing contact from oxidation or corrosion. Use the Batteries replacement in the [Repairs Section - Robie Jr.® Battery Replacement](#)

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A. Cable and plug.
Pin spacing 0.1"



B. Replacement Battery 6 VDC 1.3 AH - CAT# GC-613
Size 3.85"X2.10"X0.98"
[Click to Enlarge](#)

The above are the parts that is needed to replace the four "D" size batteries with one rechargeable battery.



1. Take five screws from the bottom of the robot.



2. Turn the robot up and separate cheerfully.
3. Unplug the five plugs from the robot.
(They are keyed and color and pin coded.)
[Click to Enlarge](#)



4. Solder the plug and wire to the (+) positive
and (-) negative terminals as shown.
[Click to Enlarge](#)



5. Reassemble the robot.
[Click to Enlarge](#)



6. Plug in the battery and close the door.
(You are ready to go.)
[Click to Enlarge](#)

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The following figure on the left is contacts taken from a Omnibot 5402 Controller that is corroded and not uasble. It has to be replace.

Bad Original (Replace)
Click on image



The following figure on the left is contacts taken from a Omnibot 5402 Controller that was corroded and not uasble. It has been refurbished and can now be reused.

Refurbished Original
Click on image

NEW - Replacement Contact for the Omnibot Family Robots



Step #1
Click on image

Step #1. Omnibot 5402 contacts created from scratch. It uses contact material to create the blank.



Step #2
Click on image

Step #2. Bend the contacts at the appropriate points



Step #3 & #4
Click on image

Step #3. Using a punch indent the contact and then using a drill with a proper bit drill the holes in the contact.

Step #4. Heat treat the contact. You now have a finished part.

Replacement Contact for the Omnibot Family Robots



Click on image

The following figure on the left is contacts taken from a Omnibot 5402 Controller that was corroded and not uasble. It has been refurbished and can now be reused.



Click on image

Step #1. Cut the contacts at the appropriate points



Click on image

Step #2. Using a punch indent the contact and then using a drill with a proper bit drill the holes in the contact. You now have a finished part.

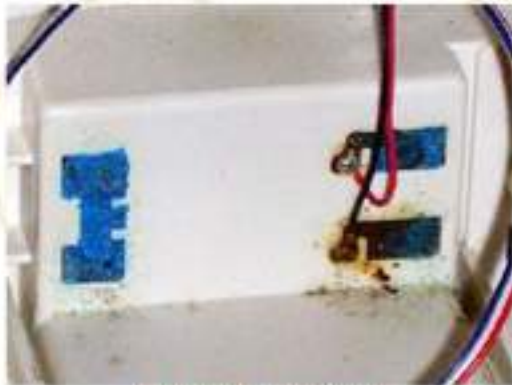


Click on image

Use Brass 2/56 HEX MACH SC screws and nuts to fasten the battery contacts.



This process Addresses the Mechanical Disassembly of the Robot and does not address the Electronics. Accompany this Procedure is additional pictures that you can expand to see more details as needed. This Robot has IC's and Transistors and are of the earlier designs. Static discharge can damage the electronics. It is recommended that you have and use a Static grounding wrist strap.



(Before) Bad Original
Click on image

The above figure is the contacts in the Omnibot 5402 that needs to be replaced. They are corroded and not usable. (Replace)



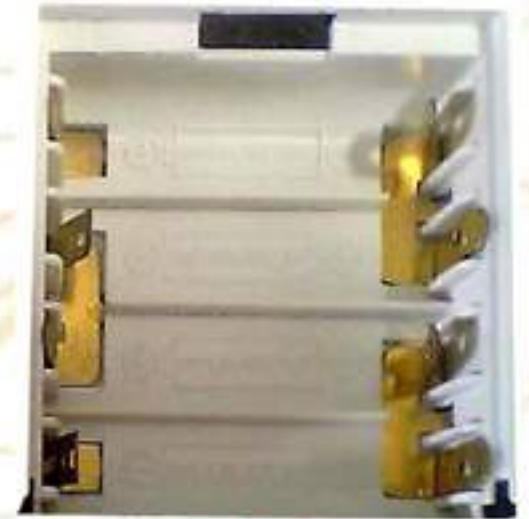
(After) Replacement
Click on image

The above figure is the contacts in the Omnibot 5402 that has been replaced.



(Before) Bad Original
Click on image

The above figure is the contacts in the Omnibot 5402 that needs to be replaced. They are corroded and not usable. (Replace)



(After) Replacement
Click on image

The above figure is the contacts in the Omnibot 5402 that has been replaced.

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Omnibot

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