

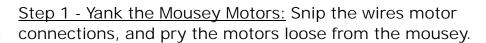
Herbert, the BrutusMouse Modification

As you've seen, the "Herbie Mousebot" has a very capable analog brain that can equally well drive the BrutusBot Tank

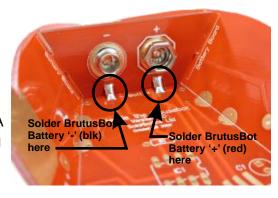
Chassis.

And a Herbie with this much authority doesn't have a nickname - it's called *Herbert*. Want to build one?





Step 2 - Wire the Battery lines: You'll see on the underside of the Mousebot near the 9V attachement points the '+' and '-' pads. You'll need to wire the 6xAA BrutusBot battery pack to these points, either by using a 9V battery snap & cable soldered to the battery pack, or (like we did) solder it directly to these points. Remember, red to '+', black to '-'!

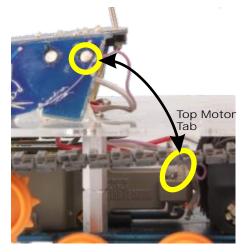


Ignore this

power jack.

It's just for show!

2. Solder BrutusBot battery pack to '+' and '-' below 9V battery snaps

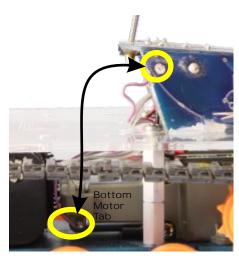


3a. Left Motor Wiring

Step 3 - Wire up the Motors!: The Herbie pads are wired to the gearbox motor directly below them. The trick is not to cross-wire the motor so it's spinning the right way.

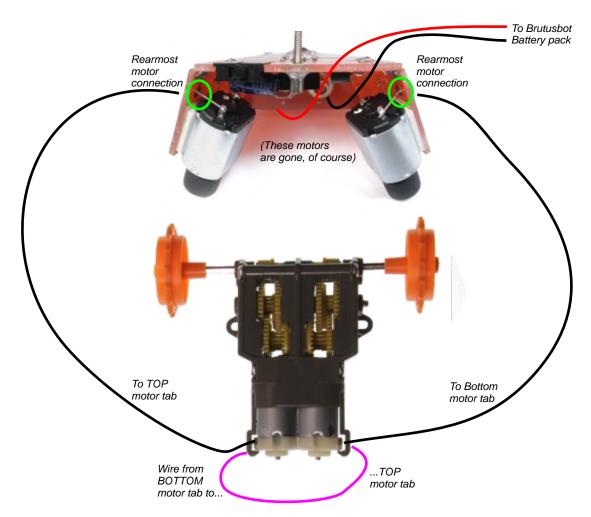
Left side motor: Mouseymotor-pad-closest-to-end goes to the *top* motor tab.

Right side motor: Mouseymotor-pad-closest-to-end goes to the *bottom* motor tab.



3b. Right Motor Wiring

Then you have to solder a wire between the Left-motor *bottom* tab to the Right-motor *top* tab, so the whole motor wiring looks like this:



<u>Step 4 - Testing:</u> Before gluing it together, turn on your Herbie and do all the standard Herbie-behavior checks in the Herbie manual. That's includes tests like:

- "Do both motors move?" (check power)
- "Does the robot want to chase the light?" (cross-wired motors)
- "Is it spinning in a circle?" (one motor is reverse-wired)
- "Is it always backing up?" (check whisker and tail sensor alignment)

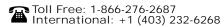
Only when all these tests are checked, *then* hot-glue your Herbie to the front of the BrutusBot Chassis, far enough forward so the whiskers adequately clear the front to sense obstacles.

There - go terrorize other Herbie robots with your Herbert!

Visit us online for more info and cool stuff:

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