



# Art Nerd's Cheat Sheet

## Cheapest Places for Motors

- MCM Electronics (28-12811 - Compact 12,000 RPM Hobby Motor 1.5V ~ 3V DC) or
- Dollar Tree Online (Assured Soft-Bristle Battery-Operated Toothbrushes—remove motor from casing)
- Robot Shop, Inc. (2mm Mini Vibrating Disk Motor, Product Code : RB-See-403 for bristle bots)

## Best Glue for Attaching Objects to Motor Shaft

- JB Weld (available everywhere including Walmart)

## Best Places for Finding Robot Parts

- Habitat for Humanity Restore (INSANELY great place to shop!)
- Home Depot, Lowe's, etc.
- Goodwill or other thrift stores (RC toys, massagers, and a number of other objects have motors or vibrating motors that can be repurposed.)
- Ashley Furniture Outlet Center (any furniture or retail store that sells used hardware)

## TIPS

- If at all possible, when attaching anything to cans, such as arms, hats, etc., pierce through the can and attach. Because of the vibration, the more thorough the attachment, the better.
- If the robot does not move, use a propeller on the shaft of the vibration motor. Make sure the propeller is longer on one side to keep the motor off-balance.