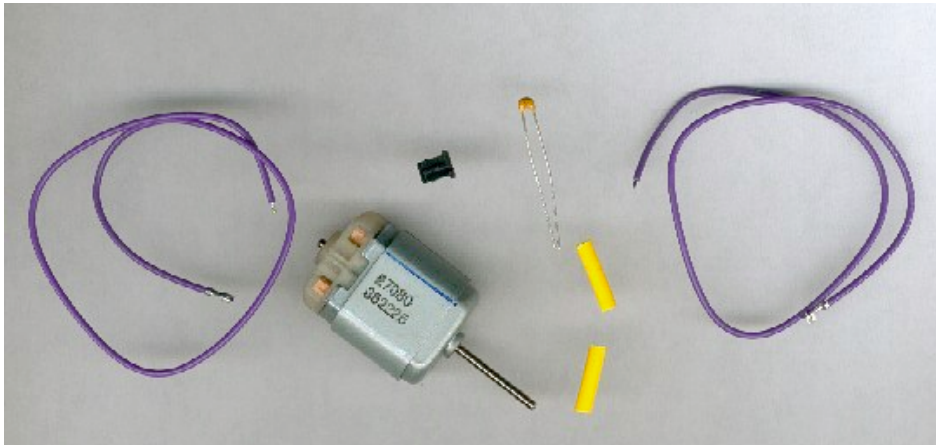


Wiring a DC Motor



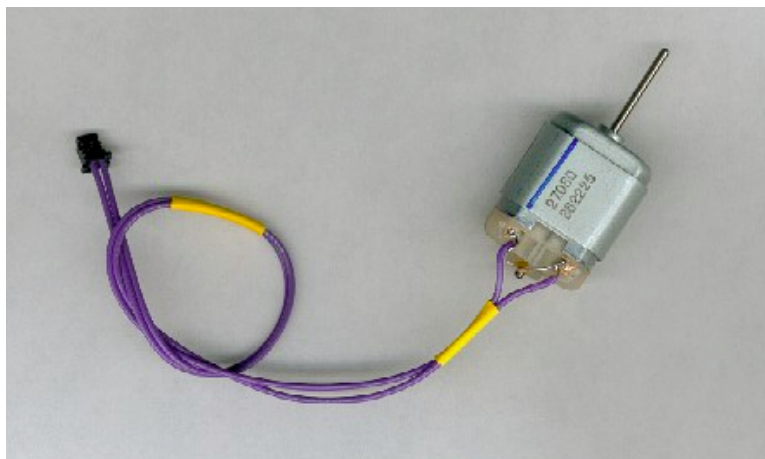
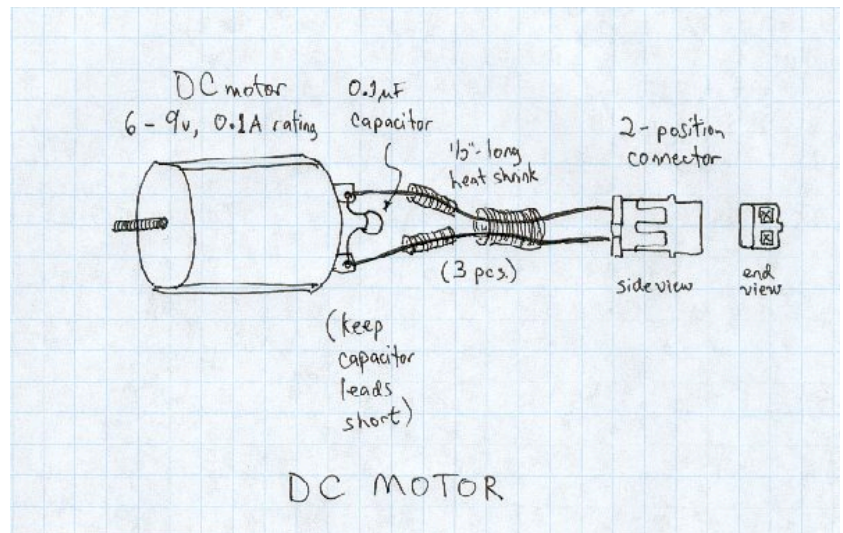
Parts Required:

- **DC motor.** This should be rated for 6 to 9v and 100 to 500 mA.
- **One 0.1 uF capacitor.** This is attached close to the motor terminals and helps smooth out electrical fluctuations generated by the motor.
- **One 2-position “DF3” plug** for Cricket motor port.
- **Two wires with pre-attached “DF3” connector.**
- **Three pieces 3/32” heat shrink.**

Wiring Diagram:

Wire the motor as shown, soldering the motor terminal junctions to the capacitor leads and plug wires.

For the motor shown in the photographs, the motor’s metal contacts are recessed in the housing. The best way to solder to these is to first carve away a little of the plastic using a razor knife. Then insert the capacitor leads into the contact holes and solder. Finally twist the plug wire ends around the capacitor leads and solder.



Finished Assembly:

Here’s how it looks when it’s done.

To try it out, plug into either of the port A motor jacks on the Cricket, then type:

a, on

into the Cricket Logo command center. The motor should turn on!