Electric motors produce electromagnetic fields and voltage spikes that can interfere with electronics. To help suppress this interference, capacitors are soldered to the brush terminals on the motor. Another good way to minimize interference is to twist your power leads.

✧ Solder one capacitor across the terminals (A & B).

✧ Clean a point on the motor casing (C) by scraping it with a utility knife or sanding it.

✧ Solder one capacitor from each terminal to a point on the motor casing (C). A high power soldering iron or small torch may be necessary to get the case hot enough for solder to adhere.