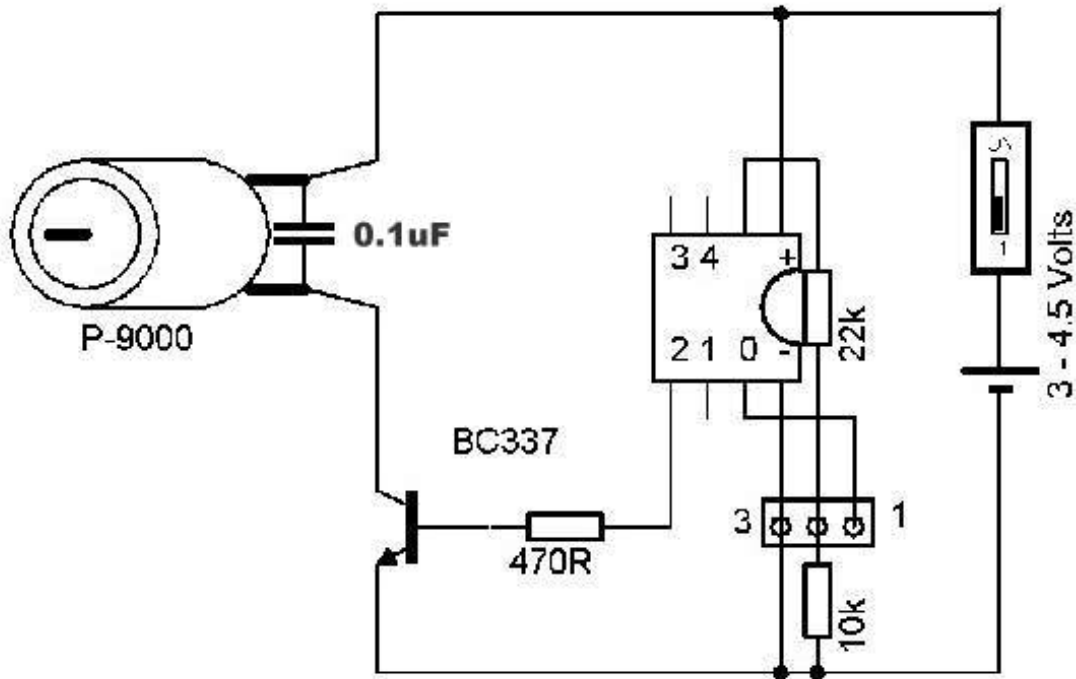


PWMOut Control

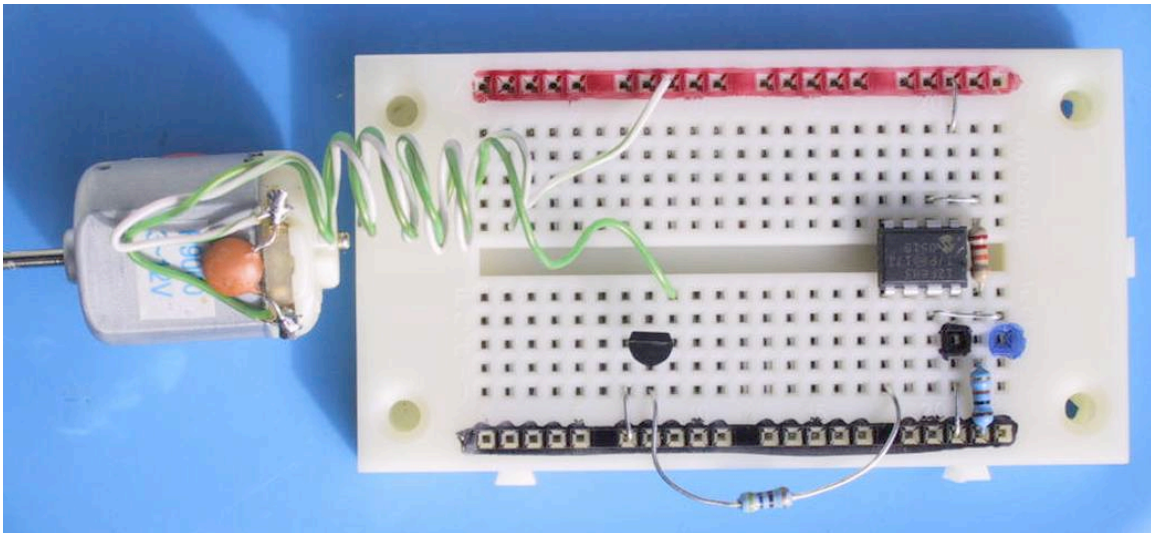


Loopa:

```

for b0 = 0 to 255 step 16 'For each value of b0 from 0 to 255 = 0 to 100% Power
pwmout 2, 64, b0 'PWMOut modulate pin 2 at freq time base of 64
debug b0 'Send debug value of b0 to the F6 debug screen
next b0 'Next power level
goto loopa

```



- **PWMOUT (continuous PWM) only works from pin 2. M2 chips have more options**
- **A Lamp or other load (peltier device e.g. for cooling) can be controlled by this circuit**
- **The 100nF ceramic capacitor soldered DIRECTLY to the motor brushes is ESSENTIAL and to prevent sparks and interference affecting and resetting the PICAXE**
- **PICAXE > Wizards > pwout is available to choose a time base feq**
- **Look up PWMOut in the Help ? Manual II section for more tips, info and help**
- **The pwmout command signal from pin 2 is continuous as the program loops. Once the pwmout command has been updated the power level remains set regardless of what the program loop is doing or up to until pwmout is updated**
- **A choice of 64 for the time base allows a 'power level' bn variable range of exactly 0 to 255 that gives a full range of 0 (fully OFF) to 100% (fully ON) power levels**
- **The programmer wizard can help choose alternative PWMOut time bases and ranges**