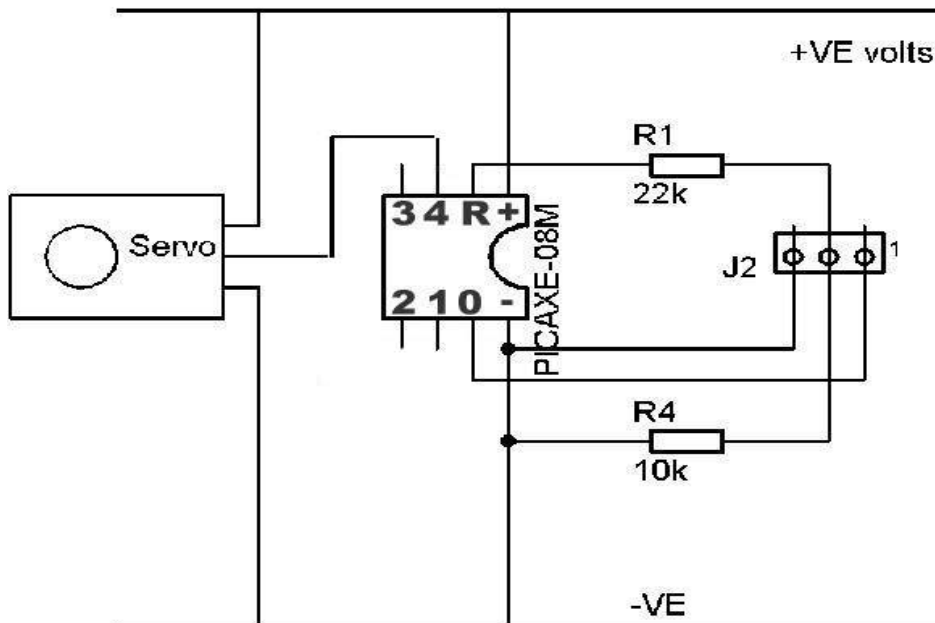


## Servo – Smooth Command



**servo 4,150**

**Loopa:**

**for b0 = 100 to 200**

**servopos 4, b0**

**pause 20**

**next**

**goto loopa**

**servopos 4, OFF**

*'Initialise servo signal on pin 4 to 150 (~ mid travel)*

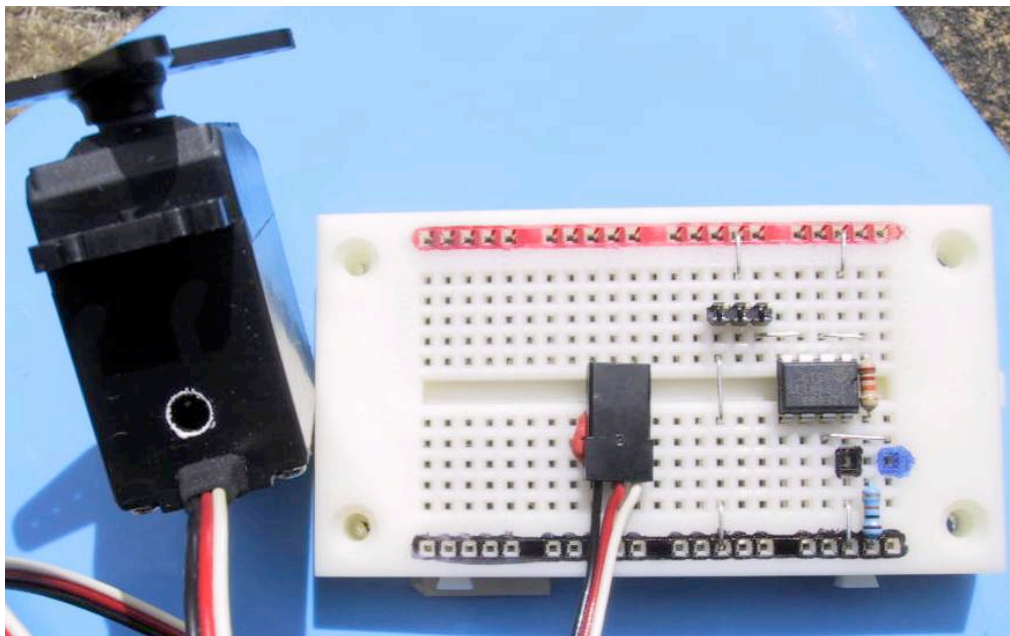
*'For each value of b0 from 100 to 200*

*'Update the continuous train of servo pulses from pin 4*

*'Program loop must be >than 20mS for servo to respond smoothly*

*'go back and get the next b0 value*

*'Turn OFF the continuous train of servo pulses from pin 4*



- Remember the +ve and –ve step commands to make servo move CW or CCW
- Refer to Help Section PICAXE Manuals II and III under the Servo and Servopos commands for correct use, circuits, ideas and programming tips.
- Up to 4 servos can be driven from a single 08M :)
- A minimum loop cycle time of 20mS is needed to allow the picaxe internal servo's timers to update smoothly. How do you make it move the other way smoothly ?
- A series 1N4148 diode with the picaxe +ve and 100nF + 47uF capacitor may be needed Directly across the picaxe pins to prevent servo noise interference / chip resetting