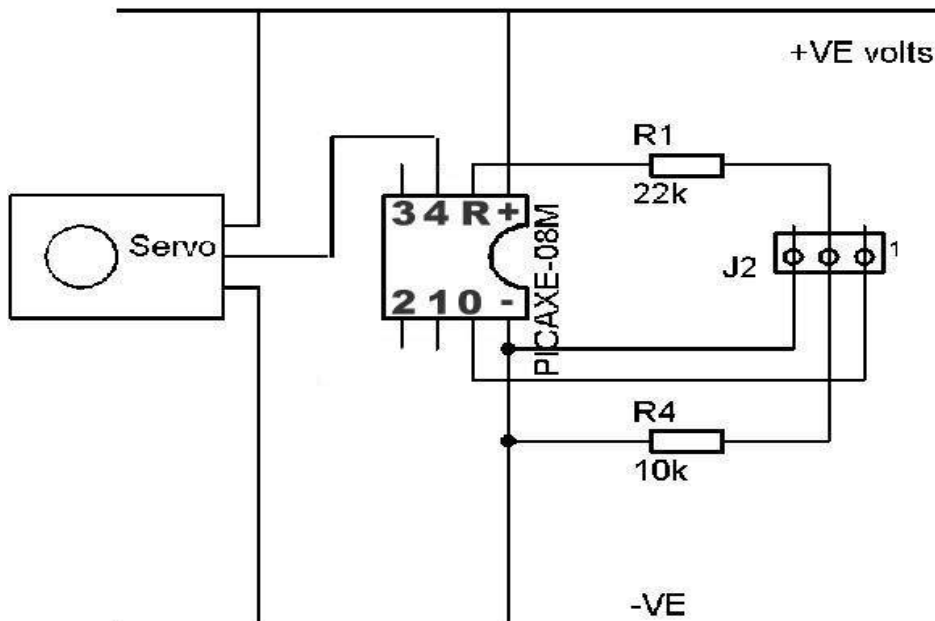
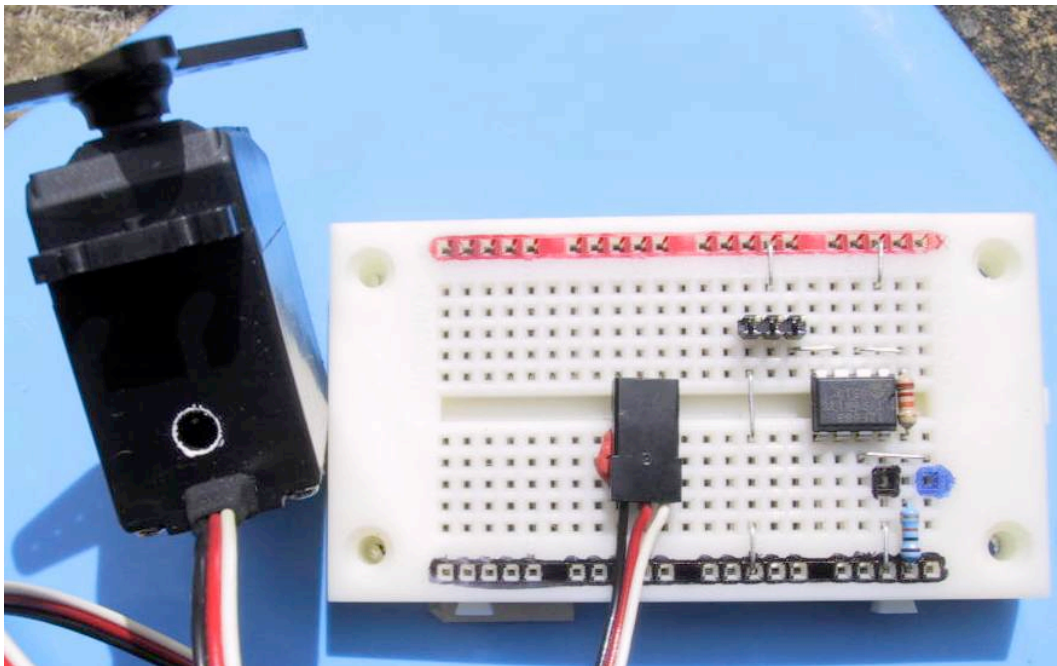


Pulsout Pseudo Servo Command



for b0 = 100 to 200
 pulsout 4, b0
 pause 20
 next

*'For each value of b0 from 100 to 200
 'Update the servo pulse from pin 4 to the servo
 'Program loop must be >than 20mS for servo to respond smoothly
 'go back and get the next b0 value*



- A minimum loop cycle time pause is needed to allow the picaxe internal servo's timers to update the pulse stream smoothly
- What happens to the SPEED and STRENGTH of movement if the 20mS is increased? Experiment with values in the area of 7 to 200 mS
- How could you make a system that detects if the servo is under load or obstructed ? Hint... measure the voltage across a 1 Ohm resistor in the servo -ve return and use the readadc command. Could this be used to detect 'feel' an object or obstruction
- Never leave a servo blocked or obstructed or under severe imbalanced load for too long or it will draw excessive current and may 'burn out' :(
- 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