GPS Final Wiring: SoftwareSerial mySerial(9, 8, false); //Green in 9 (rx), Yellow in 8 (tx)

LiquidCrystal lcd(A5, A4, A0, A3, A2, A1); WORKING

LEDS: Red: 13, 10, 11 WORKING

ACTUAL SERVO POSITIONS: LOCKED = 1400 us

UNLOCKED = 2100 us

Servo Test program:

// Sweep

// by BARRAGAN <http://barraganstudio.com>

// This example code is in the public domain.

#include <Servo.h>

Servo myservo; // create servo object to control a servo

// a maximum of eight servo objects can be created

int pos = 0; // variable to store the servo position

boolean ServoOn = false;

void setup()

{

myservo.attach(5); // attaches the servo on pin 9 to the servo object

pinMode(7, OUTPUT);

}

void loop()

{

if(ServoOn) digitalWrite(7, HIGH);

else digitalWrite(7, LOW);

for(pos = 0; pos < 180; pos += 1) // goes from 0 degrees to 180 degrees

{ // in steps of 1 degree

myservo.write(pos); // tell servo to go to position in variable 'pos'

delay(15); // waits 15ms for the servo to reach the position

}

}

void serialEvent() {

while (Serial.available()) {

// get the new byte:

char inChar = (char)Serial.read();

if(inChar == 62) { // > = IN

ServoOn = true; }

else ServoOn = false;

}

}