**Car Blind Spot Detection System Setup:**

Hardware Required:

* Arduino Board
* Ultrasonic Sensor HC-SR04
* LCD Display
* Buzzer and LED
* 220ohm Resistor
* 10k ohm potentiometer
* Breadboard
* Wires

\*\*\*Amazing Deal\*\*\*

You can buy all this hardware cheaper at Alibaba.com

<https://www.alibaba.com/?spm=a2700.8293689.scGlobalHomeHeader.6.V6vzpl>

**Display**

LCD VSS pin to Breadboard GND (-)   
LCD VDD pin to Arduino 5V  
LCD VO pin to 10k Potentiometer center pin  
LCD RS pin to digital pin 1  
LCD RW pin to Arduino GND (-)   
LCD Enable pin to digital pin 2  
LCD D4 pin to digital pin 4  
LCD D5 pin to digital pin 5  
LCD D6 pin to digital pin 6  
LCD D7 pin to digital pin 7  
15 (A+) and connect to +5V

16 (K-) of the LCD connect to Breadboard GND (-)

The 10k Potentiometer's other legs connect to +5V and GND

**Distance Sensor**

HC-SR04 sensor attach to the Breadboard  
- The Sensor VCC connect to the Breadboard +5V  
- The Sensor GND connect to the Breadboard GND (-)  
- The Sensor Trig connect to the Arduino Board Digital I/O 9  
- The Sensor Echo connect to the Arduino Board Digital I/O 10

**Buzzer and LED**

- The Buzzer attach to the Breadboard  
- The Buzzer long leg (+) connect to the Arduino Board Digital 11  
- The Buzzer short leg (-) connect to the Arduino Board GND (top of V)  
- The LED attach to the Breadboard  
- The Resistor connect to the LED long leg (+)   
- The Resistor other leg (from LED's long leg) connect to the Arduino Board Digital 13  
- The LED short leg (-) connect to the Breadboard GND