

(a) Ultrasonic Sensor HC-SR04

To Raspberry Pi power using a C type USB pin

(b) Raspberry Pi

(h) XL4015

(g) 24v Battery

Wire Color

Red - Positive Power

Black - Ground

Green & Yellow - Motor Wires

Orange - DIR connection between Raspberry Pi and Motor driver

Blue - PWM connection between Raspberry Pi and Motor driver

Purple - Echo

Cyan - Trig

(c) Cytron 30A DC Motor Driver MD30C

(d) Steering wheel motor

(f) Rear wheel motors

(e) Cytron 30A DC Motor Driver MD30C

