









Soldering list

battery pack - red → power switch, another wire → power switch.

motor: solder wires on both → attach to motor driver using screw
another wire (from switch) → 12v (VCC) on motor driver
black wire battery pack → GND on motor driver.

connect 4 wires to sensor → VCC → 5v

motor driver → arduino GND → GND

IN1 → Pin 5

Echo → A2

IN2 → Pin 4

Trig → A3

IN3 → Pin 3

IN4 → Pin 2

brown → GND

- SERVO → ——————
red → 5v

orange/yellow → Pin 11

Driver → shield
5v → VCC
GND → GND