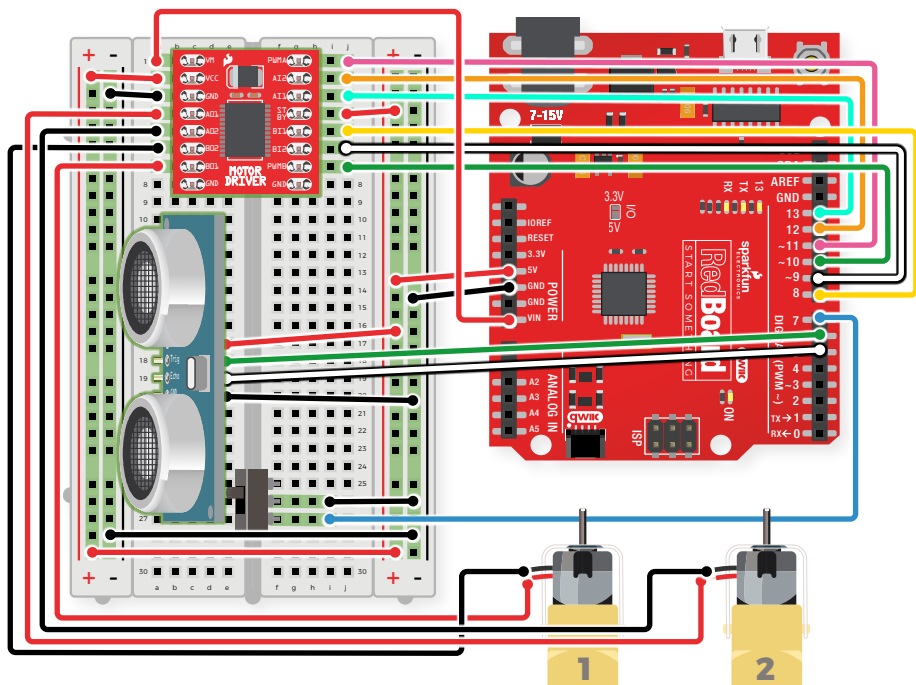


# HOOKUP GUIDE

**READY TO START HOOKING EVERYTHING UP?** Check out the circuit diagram and hookup table below to see how everything is connected.



|                        |                    |                    |                      |               |
|------------------------|--------------------|--------------------|----------------------|---------------|
| ◆ 5V to ■ 5V           | ◆ GND to ■ GND (-) | ◆ VIN to ■ A1      | ◆ D8 to ■ J5         |               |
| ◆ D9 to ■ J6           | ◆ D10 to ■ J7      | ◆ D11 to ■ J1      | ◆ D12 to ■ J2        | ◆ D6 to ■ E18 |
| ◆ D5 to ■ E19          | ◆ D13 to ■ J3      | ◆ D7 to ■ I27      | ■ 5V (+) to ■ 5V (+) |               |
| ■ GND (-) to ■ GND (-) | ■ A2 to ■ 5V (+)   | ■ A3 to ■ GND (-)  | ■ J4 to ■ 5V (+)     |               |
| ■ I26 to ■ GND (-)     | ■ E17 to ■ 5V (+)  | ■ E20 to ■ GND (-) |                      |               |

MOTOR 1 (RIGHT) ■ A4(RED +) ■ A5(BLACK -)

MOTOR 2 (LEFT) ■ A7(RED +) ■ A6(BLACK -)

MOTOR DRIVER ■ C1-C8 to ■ G1-G8 (VM on C1, PWMA on G1)

SWITCH ■ F25 + ■ F26 + ■ F27

DISTANCE SENSOR ■ A17(VCC) + ■ A18(TRIG) + ■ A19(ECHO) + ■ A20(GND)