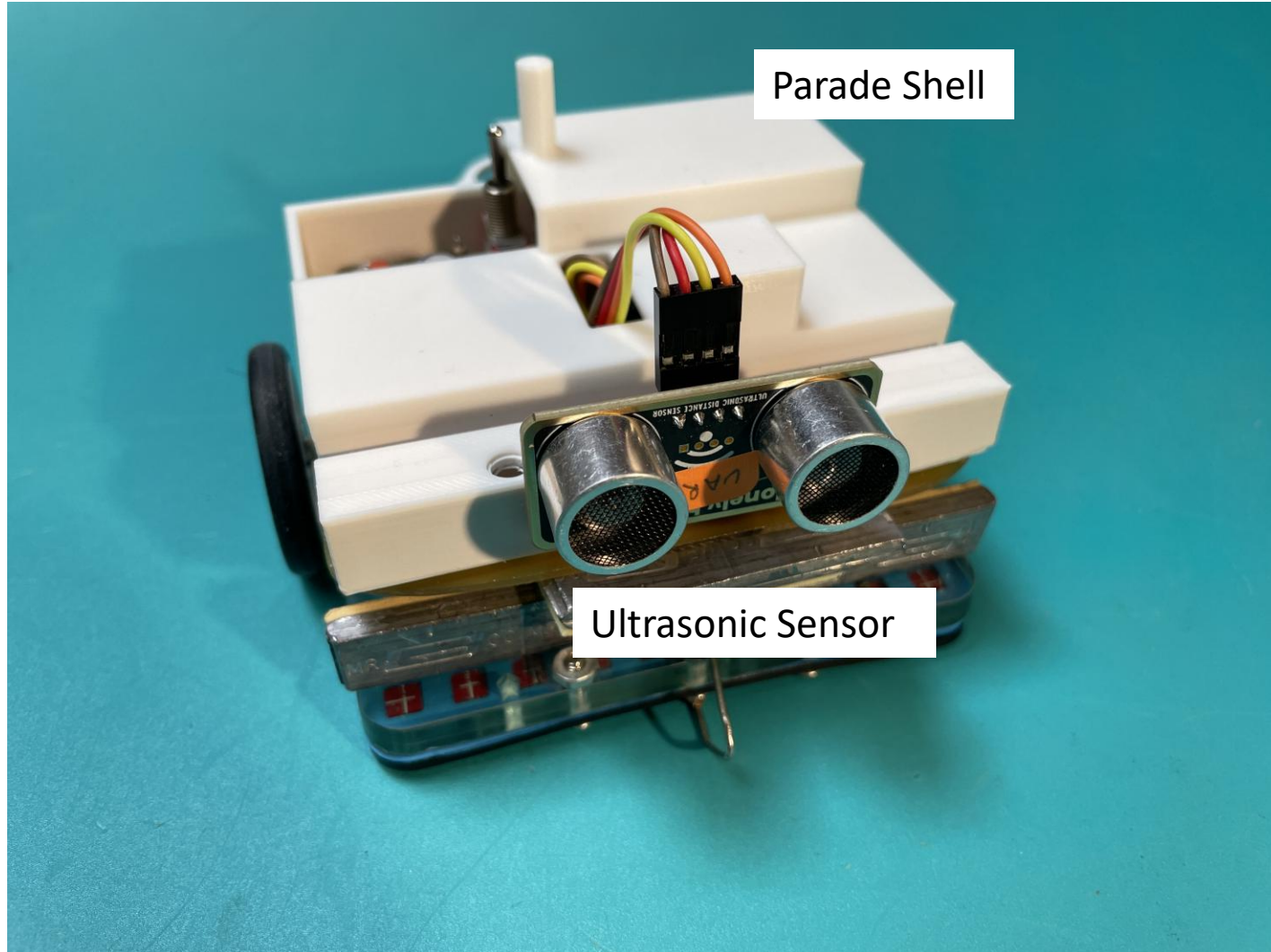
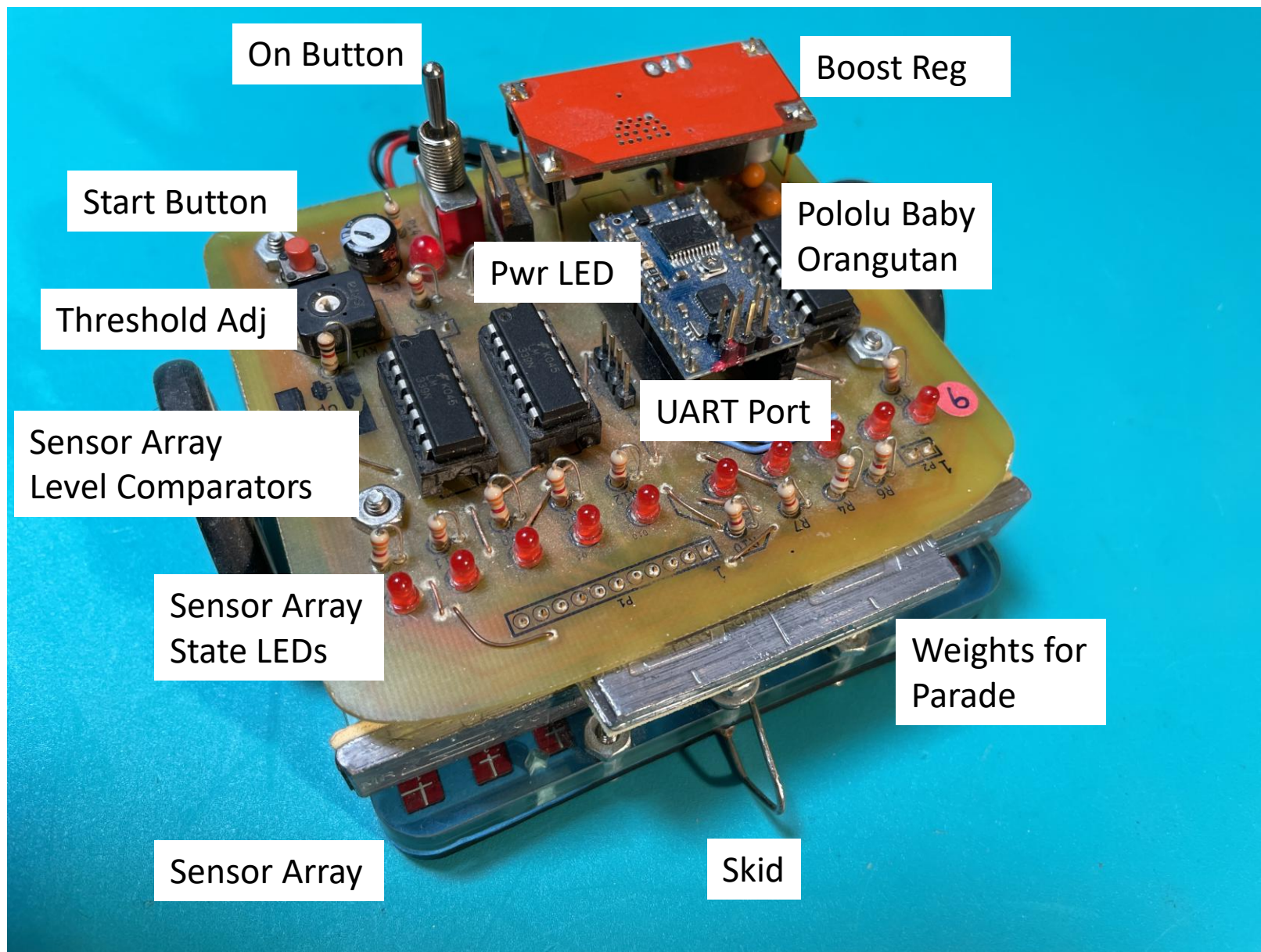


Boinger 3 Line Following Robot with Parade Shell and Ultrasonic



Boinger 3 Robot without Parade Shell and Ultrasonic



On Button

Boost Reg

Start Button

Pololu Baby Orangutan

Pwr LED

Threshold Adj

UART Port

Sensor Array Level Comparators

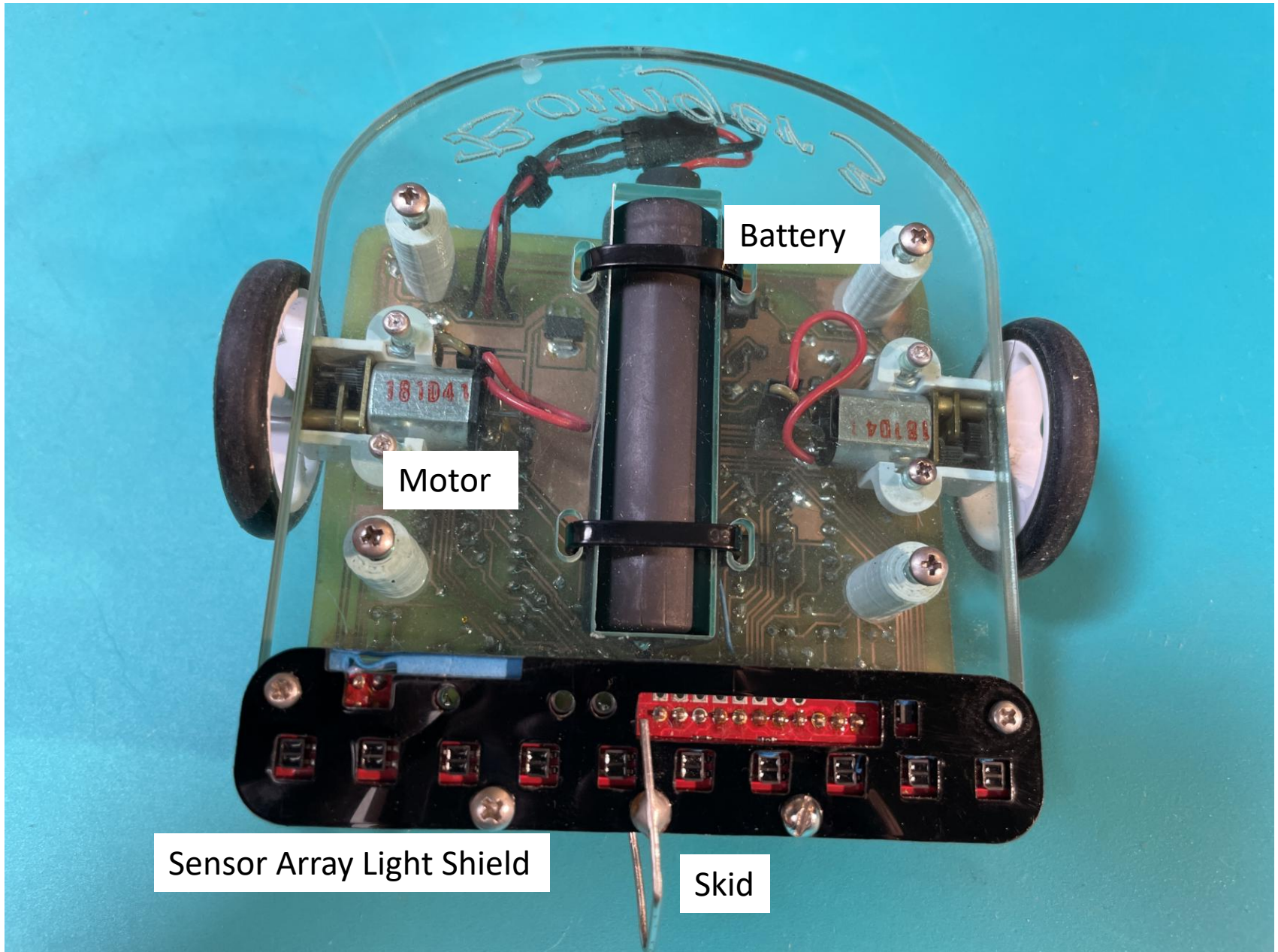
Sensor Array State LEDs

Weights for Parade

Sensor Array

Skid

Boinger 3 Robot Underside



Battery

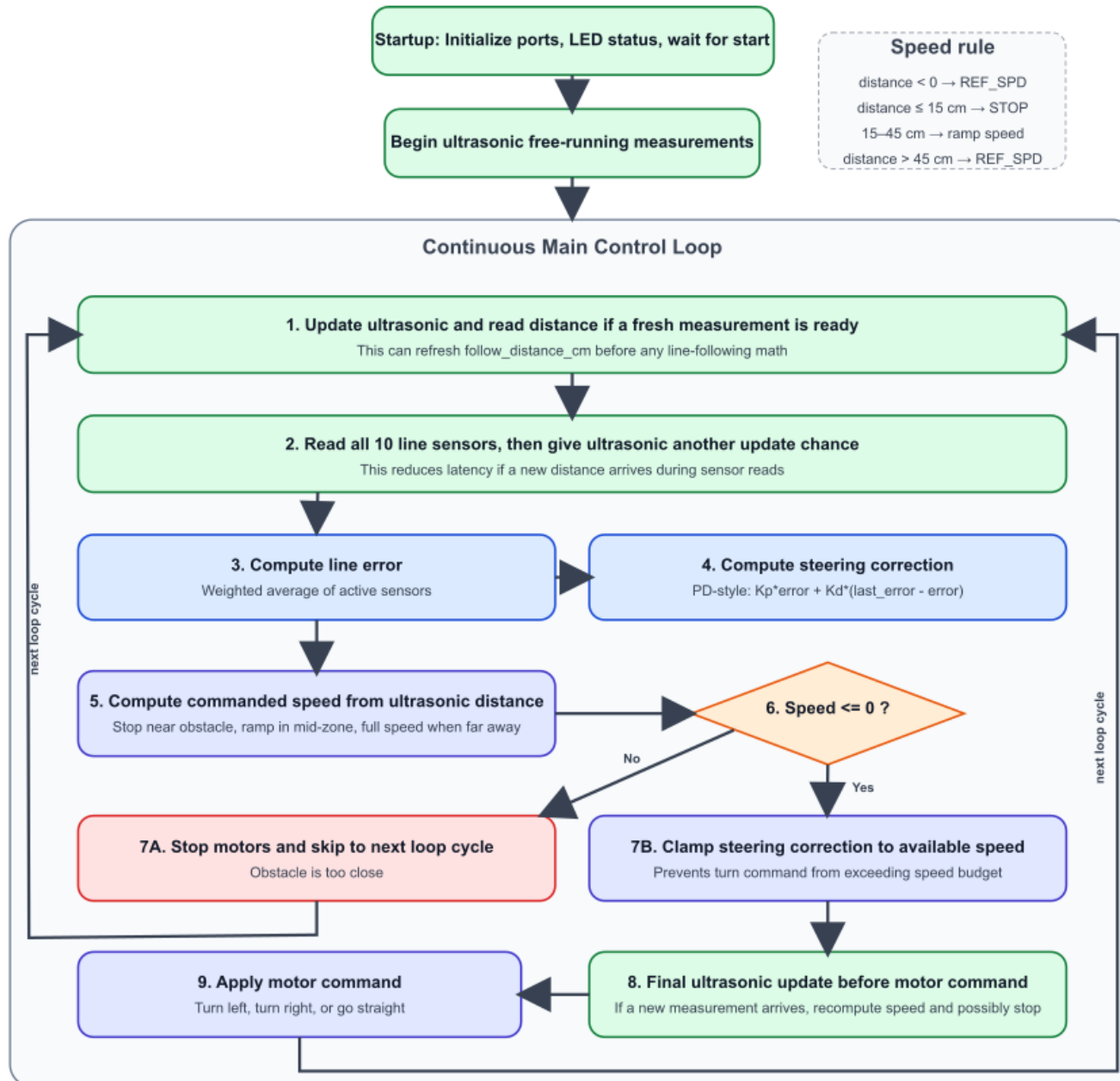
Motor

Sensor Array Light Shield

Skid

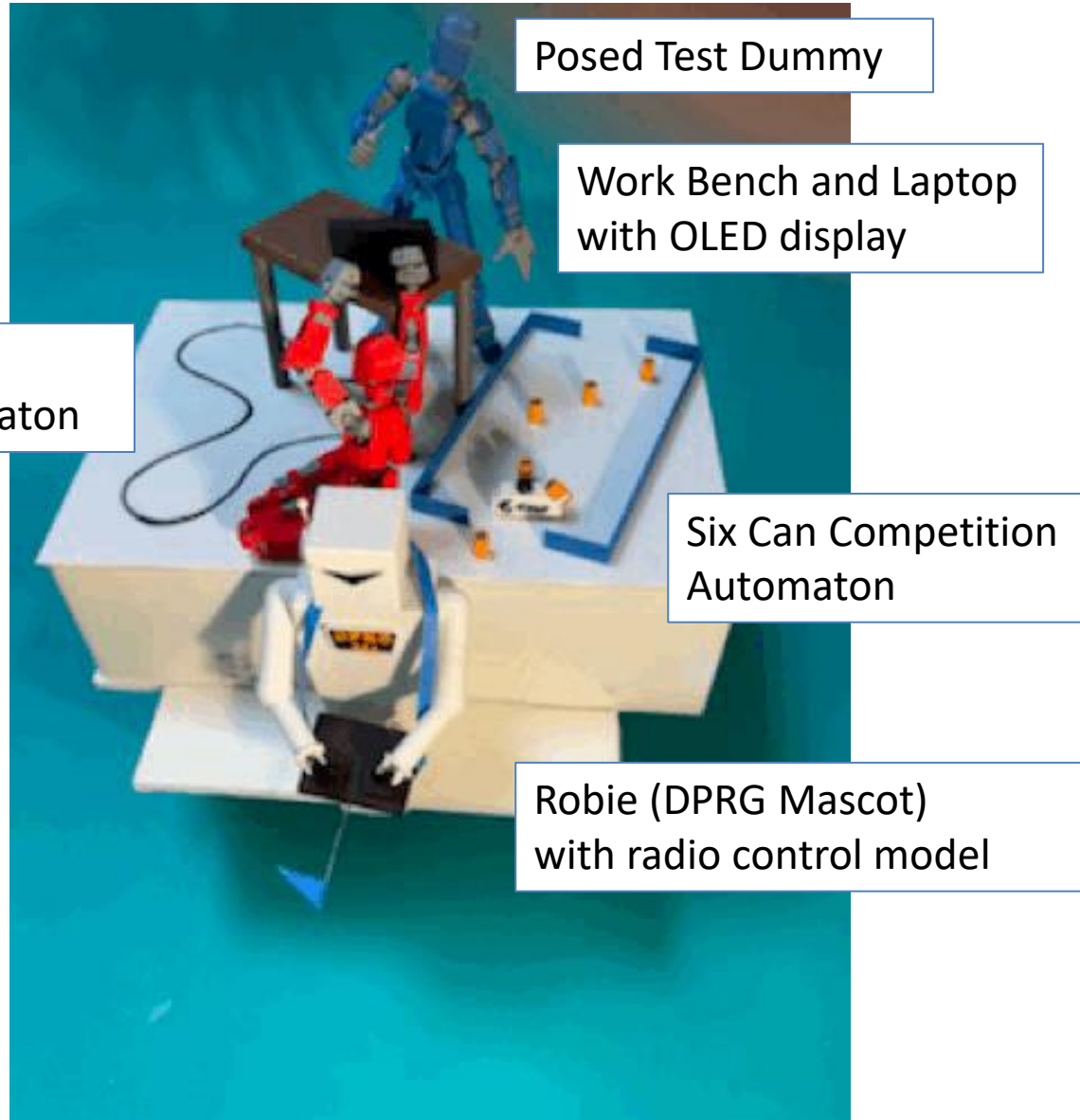
Line Follower with Ultrasonic Control

Clarified main loop layout



Key clarification: the loop is primarily top-to-bottom. Only two paths return to the top: STOP path and APPLY MOTOR COMMAND path.

Parade Float Features



Posed Test Dummy

Work Bench and Laptop
with OLED display

Line Following
Competition Automaton

Six Can Competition
Automaton

84 Addressable
RGB LED Display
(not shown)

Robie (DPRG Mascot)
with radio control model

Parade Float Features – From Rear

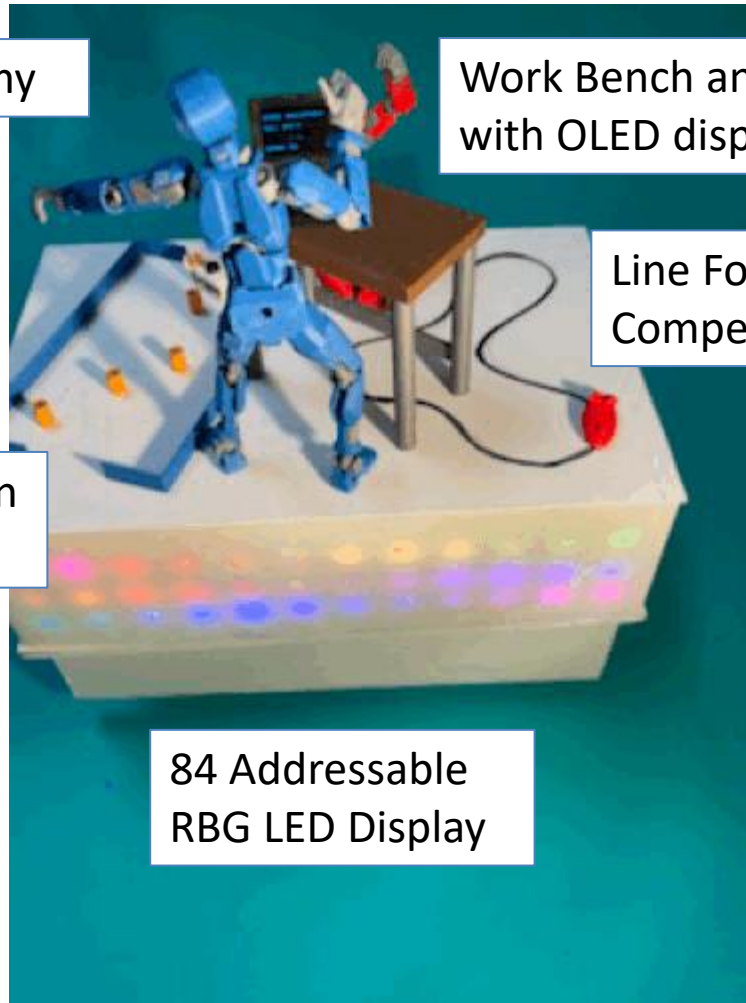
Posed Test Dummy

Work Bench and Laptop
with OLED display

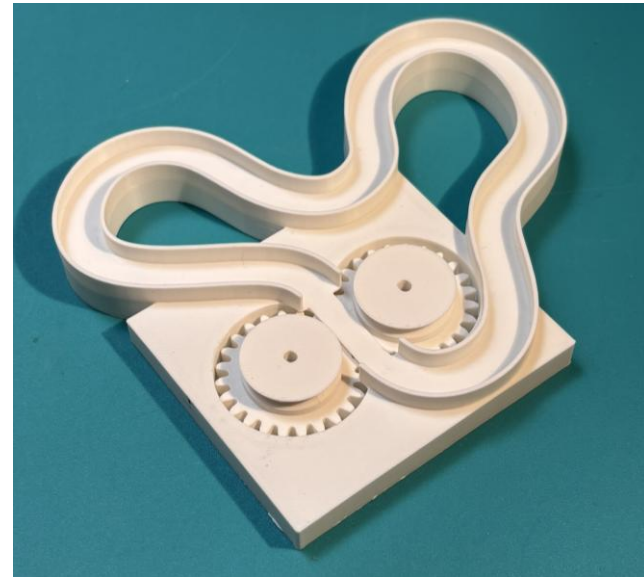
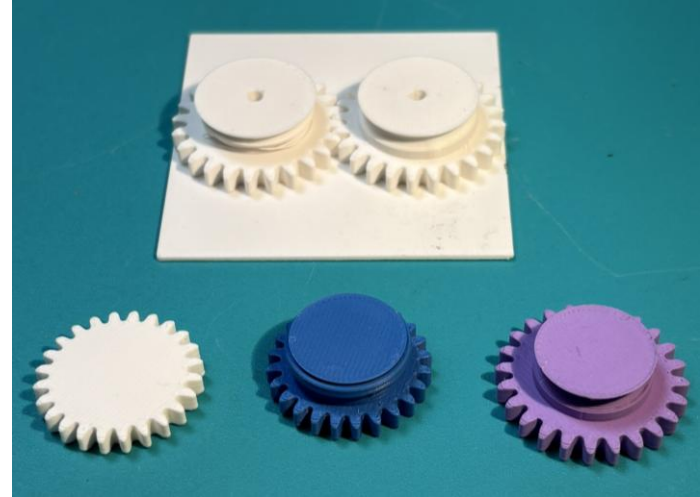
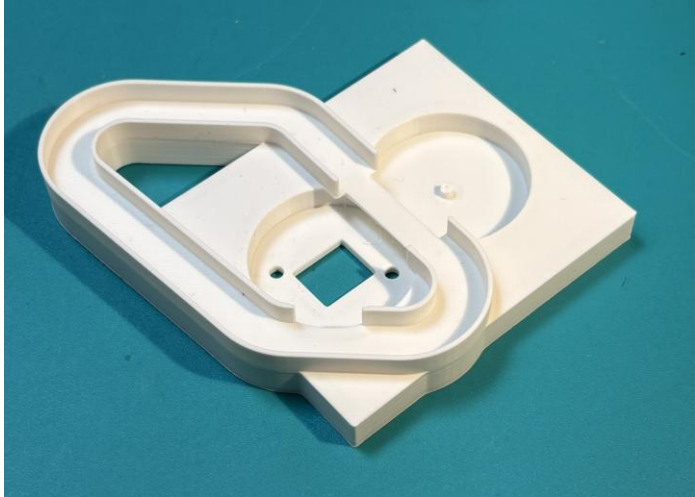
Line Following
Competition Automaton

Six Can Competition
Automaton

84 Addressable
RGB LED Display



Parade Float - Behind the Curtain



Parade Float - Behind the Curtain



Parade Float - Behind the Curtain



Dallas Personal Robotics Group

- Meets every Tuesday night at 7:30 for Robot Builders Night Virtual via Google meet (<https://meet.google.com/mwm-imzg-rss?pli=1>).
- Monthly meeting at Dallas Makerspace at 1825 Monetary Lane Suite 104 Carrollton, TX 75006.
- All the details are at <https://www.dprg.org>.

EVERYONE IS WELCOME