

Quick Build Tools/Equipment List

All

- Safety glasses

Mechanical

- Ratchet with 5/16", 3/8", and 9/16" socket
- Hammer and block of wood (to press bearings)
- 5/32" Hex Key or 5/32" Hex screwdriver
- 3/8", 1/2", and 9/16" wrench
- Needle nose pliers
- Tape Measure
- Sharpie/ Masking tape
- 2 – 2x4 ~32" long (propping up bot for testing)
- Optional: Disposable gloves (to apply grease)

Electrical

Veterans bring everything below:

- Power Distribution Panel
- Voltage Regulator Module
- Pneumatics Control Module (optional)
- RoboRIO
- Assorted wire sizes and lengths (14, 16, 12 AWG)

Rookies bring only below:

- Medium/small flat head screwdriver or "Wago" tool
- Very small flat head screwdriver
- Medium Philips (+) head screwdriver
- 1/16" Allen key
- 3/16" or 5mm Allen key
- 7/16" wrench or nut driver
- Needle nose pliers
- Wire cutter
- Wire stripper
- Electrical tape, Red and Black
- Zip Ties
- Crimping tool(s) capable of handling both from 6AWG to 16AWG
- ~50 drywall screws 3/4" or Velcro to mount electrical components to belly pan

Programming

- Laptop
- Controllers for driving your robot
- USB Stick 8GB or greater