

Robot 1 - Checklist

☐ **Visual Mechanical Inspection (Damage/loose parts/loose chains/Axles & Collars)**

☐ Drivetrain and Swerve Modules

- ☐ Rotate all Swerve Modules in both axes
- ☐ Check motors secure and temp (8 motors)
- ☐ Check Wheel Tread
- ☐ Check for FOD (Foreign Object Debris and Damage)

☐ Shooter + Kicker

- ☐ Check motors secure and temp (2 on shooting wheels + 2 on pivot + 2 for kicker wheels and tubes)
- ☐ Check belts
- ☐ Check gears (pivot and for running the wheels)
- ☐ Check shaft collars screws (ends of shafts, sector gears, plates, on plastic roller tube)

☐ Intake

- ☐ Check motor secure and temp (1 motor)
- ☐ Check shaft positions, screws, and shaft collars
- ☐ Check chains and sprockets (including tension)
- ☐ Check centering wheels and bearings
- ☐ Check silicone condition

☐ Climber

- ☐ Check motor secure and temp (2 motors)
- ☐ Check string
- ☐ Check hooks secure

☐ **Wipe off ALL wheels with a rag and isopropyl alcohol**

- ☐ Intake
- ☐ Shooter

☐ **Record any problems and fixes**

Robot 2 - Checklist

☐ **Check electronics**

- ☐ Light tug test all connections
- ☐ Inspect for damage
- ☐ Check everything plugged in fully/correctly
- ☐ Check zipties on bellypan → they have been breaking
- ☐ Check encoders for damage
- ☐ Check encoder boards on Spark Maxes to ensure they are fully seated and secure and wires are secure
- ☐ Check all Anderson connectors have locks in place
- ☐ Check that robot side of battery mount is secure
- ☐ Check that RoboRio tape is in place

☐ **Bumpers**

- ☐ Check for bumper damage and repair with correct color gaffers tape
- ☐ Swap bumpers for next match

☐ **Chassis**

- ☐ No tools left in the bot

☐ **Record any problems and fixes**

Robot 3 - Checklist

☐ Place Driver Station on Charger

☐ Reset Robot to Start

- ☐ Shooter against hard stops

- ☐ Climber in full down position (wind with ½" wrench if necessary)

☐ Robot Turns On

☐ Robot Enables

☐ Check that encoders are reading

- ☐ Swerve steering

- ☐ Pivot

☐ Test Drive

- ☐ Test Full Drive and Steering

☐ Test Cameras

- ☐ Check configuration -

<http://10.17.45.222:5800/#/dashboard>

☐ Test Functionality

- ☐ Intake to Break Beam

- ☐ Outtake

- ☐ Shoot

- ☐ Pivot to Subwoofer

- ☐ Pivot to Amp

- ☐ Climb

☐ Turn Off Robot

☐ Reset Robot to Start

- ☐ Shooter against hard stops

- ☐ Climber in full down position

☐ Record any problems and fixes