

Event: _____ Match #: _____

Bumper Color: _____ Battery #: _____ Voltage: _____

Checked by (Signature): _____

In Pit (Robot Off)

- ☐ Make sure the robot is off
- ☐ Make sure there are no loose parts
 - ☐ Check screws on hovercar module
- ☐ Make sure pneumatic release valve is closed
 - ☐ Make sure to cool off the compressor with a fan
 - ☐ Check each of the motor to see if any are hot
- ☐ Check vital screws around the robot and make sure they will not come undone
- ☐ Climb
 - ☐ Check security of fasteners on bottom of climb
 - ☐ Check motor cables - make sure it isn't caught
 - ☐ Piston tighteners
 - ☐ Tubing is secure to cylinders
 - ☐ Check security of rails (8020 extrusion)

- ☐ Chain tension
- ☐ Check rail end caps
- ☐ Cargo Intake
 - ☐ Check that the hatch is centered between stubby uprights
 - ☐ Check set screws tightened onto the main shaft
 - ☐ Check hex shaft collars (tightened)
 - ☒ **Touch up paint ***
 - ☐ Check that keyshaft is inside all hubs
- ☐ Hatch Intake
 - ☐ Make sure pistonheads are screwed on
 - ☐ Check for peeling Velcro
 - ☐ Make sure pistons extend and retract smoothly
 - ☐ Check pistons for wiggle or play
 - ☐ Make sure bump switch is pressable

In Pit (On)

- ☐ Make sure all electronic components are lit up
 - ☐ RSL - blinking orange
 - ☐ Lifecam (cargo side) webcam light - solid blue
 - ☐ Limelight - solid green
 - ☐ Motor controllers are all lit up (NOT red)
- ☐ Pressure release valve is **IN**
 - ☐ Pressure - 60psi working - 120psi stored

- ☐ Fans should be running
 - ☐ Limelight fans
- ☐ Test the battery connector by tugging it
- ☐ AFTER ELECTRONICS TESTS
 - ☐ Install fresh battery
 - ☐ Top read: 13.5V
 - ☐ Bottom read: 13.0V
 - ☐ Charge: 130%
 - ☐ Status: Good
 - ☐ Secure clips and tug test
- ☐ Pack the Team Laptop bag
 - ☐ Laptop with Driver Station
 - ☐ At least 3 Xbox controllers

On Field (Pre-Match)

- ☐ Make sure the robot is on
- ☐ Check motor controllers for **no** red flashing lights
- ☐ Check battery clip

- ☐ Check wheel rotation
- ☐ Check Pressure - release valve is closed
 - ☐ 60psi working pressure
 - ☐ 120psi stored pressure
- ☐ Check RoboRIO and Radio are lighting up

On Field (Post-Match)

- ☐ Turn off robot before taking it off the field
- ☐ Check for any loose parts on the field