

# Team 3467 Match Log

Event: \_\_\_\_\_ Match #: \_\_\_\_\_ Checked by (Initials): \_\_\_\_\_

Alliance Partners: \_\_\_\_\_

Bumper (circle one): Red Blue Battery Name: \_\_\_\_\_ Beak Voltage: \_\_\_\_\_

## Robot Cart Contents Checklist:

<input type="checkbox"/> Spare battery <input type="checkbox"/> Wrenches / Other special tools <input type="checkbox"/> USB tether cable	<input type="checkbox"/> Gaff Tape <input type="checkbox"/> Spare Xbox controller
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## PreMatch:

### In Pit (Robot Off)

<input type="checkbox"/> Change to bumpers for next match <input type="checkbox"/> Check for any loose parts / motors / gearboxes / wires / hoses <input type="checkbox"/> Wiggle battery cable connections to PDP & breaker <input type="checkbox"/> Any broken or damaged Wires?	<input type="checkbox"/> Check screws/connections on the following subsystems: <ul style="list-style-type: none"> <li>● DRIVEBASE – All shafts</li> <li>● INTAKE – All Shafts &amp; Standoffs</li> <li>● TOWER – All Shafts</li> <li>● SHOOTER – All Shafts &amp; Standoffs</li> </ul>
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### Subsystem-specific non-powered checks:

<input type="checkbox"/> DRIVETRAIN	Loose motors? / Chain noise? / All wheels turn together?
<input type="checkbox"/> INTAKE	Shaft collars tight? / Belts tight and aligned? Deployment slides correctly? / Piston rods do not bind / Wheels Aligned?
<input type="checkbox"/> V- HOPPER	Flat Belts on Pulleys? / Check chains to VPs / Motors tight? / Standoffs tight? / Bearings In? / Turn Smoothly?
<input type="checkbox"/> GATE WHEEL	Chain tight & aligned? / Spin Smoothly?
<input type="checkbox"/> TOWER	All Rollers rotate smoothly & in unison? / Check chains to VP / Any missing shaft collars or bolts?
<input type="checkbox"/> SHOOTER	Belts to Falcons intact? / Wheels spin smoothly? / Speed Up Rollers connected? Hood Extension Piston rods do not bind
<input type="checkbox"/> CLIMBER	Hooks straight? / HDPE Inserts intact? / Bearings in? / Check chains to 57 Sport / Ratchet Straps intact and connected to Winch Shaft?
<input type="checkbox"/> Limelight	Ethernet cable is secure
<input type="checkbox"/> BUMPERS	Brackets intact? / Missing or loose hardware?
<input type="checkbox"/> RADIO	Ethernet & Power Barrel in secure

### In Pit (Robot On)

#### Electronic Component Checks

<input type="checkbox"/> RSL	Blinking orange
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<input type="checkbox"/> Limelight	solid green LED Limelight fans running
<input type="checkbox"/> Talon speed controllers	are all lit up and blinking (NOT red)
<input type="checkbox"/> Pneumatics:	<input type="checkbox"/> Release valve CLOSED Pressure: <input type="checkbox"/> 60psi working <input type="checkbox"/> 120psi stored

### Enable Robot for Subsystem-specific Powered Checks

<input type="checkbox"/> Drivetrain	Drive wheels Forward / Back / Turning
<input type="checkbox"/> Intake	Deploy / Retract / PC In / PC Out
<input type="checkbox"/> V-Hopper	Run Belts In
<input type="checkbox"/> Tower	Run Rollers Up to Shooter
<input type="checkbox"/> Shooter Flywheel	Run up to speeds (at least two different)
<input type="checkbox"/> Hood Extension	Deploy / Retract
<input type="checkbox"/> Shooter Gate	Run wheels when at Shooter Speed
<input type="checkbox"/> Climber	Run Climber full out and back in
<input type="checkbox"/> Limelight	Image on Shuffleboard

### Before Power Off:

- Retract Intake  Allow compressor to restore pressure
- Deploy Hood Extension  Bring Climber Hooks Down – **Stop before hitting pulleys**

### Post-Power Tests (preparing to queue):

<input type="checkbox"/> Install fresh Battery <input type="checkbox"/> Secure connector and Tug Test Battery Beak: <input type="checkbox"/> Top read: _____ <input type="checkbox"/> Bottom read: _____ <input type="checkbox"/> Charge: _____ <input type="checkbox"/> Status: _____	<input type="checkbox"/> Pack Driver Station with Laptop <input type="checkbox"/> Xbox controllers <input type="checkbox"/> Laptop charger
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### Pre-Match Data Collection:

- Fixes: *(Things repaired on the robot since last match, such as wiring, mechanical adjustments/tightening, etc.)*
- New Robot Functions: *(Especially during competition season when we are still developing/iterating the robot, note here any new functionality that we are trying for the first time, or anything that has significantly changed.)*
- Significant Code Changes: *(The programming team should note here any new code functionality, setpoint changes, etc.)*

## In Queue (if you have time):

- Check pressure levels (catch leaks)
- Double check condition of all systems

## On Field (Pre-Match)

<input type="checkbox"/> Check battery connection	<input type="checkbox"/> Check Radio status
<input type="checkbox"/> Turn on robot	
<input type="checkbox"/> Check Falcon status lights (drive and shooter)	<input type="checkbox"/> Check Pneumatics <input type="checkbox"/> 60psi working <input type="checkbox"/> 120psi stored
<input type="checkbox"/> Check Talon status lights	<input type="checkbox"/> Load game pieces
<input type="checkbox"/> Check RoboRIO status	<input type="checkbox"/> Align robot

## Post Match

### On Field

<input type="checkbox"/> Turn off robot <input type="checkbox"/> Open pressure release <input type="checkbox"/> Retract intake and climber arm	<input type="checkbox"/> Remove any game pieces <input type="checkbox"/> Check for any loose parts on the field
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### In Pit (Robot Off)

<input type="checkbox"/> Plug in Driver Station laptop <input type="checkbox"/> Make sure there are no loose robot parts <input type="checkbox"/> Check for loose screws or connections <input type="checkbox"/> If necessary, cool off the compressor with a fan or air <input type="checkbox"/> Post Match Battery Charge: _____	<input type="checkbox"/> Check every motor to see if any are overly hot (use temperature laser gun)		
	Motors	Normal	Reading
	Drive	XX	
	Shooter	XX	
	Intake	XX	
	V Hopper	XX	
	Tower	XX	
	Shooter Gate	XX	
Climber	XX		

## Post-Match Data Collection:

- Drive Team Observations: *(How did the robot handle? Was anything not working properly? Any control changes to be made?)*
  
- Pit Crew Observations: *(What broke during the match?)*