



Pit Crew Checklist

UPCOMING MATCH #: _____ BUMPER COLOR FOR MATCH (CIRCLE ONE): RED BLUE

IN PIT (ROBOT OFF) – NOTE REPAIRS

- | | |
|---|--|
| ☐ Change bumpers for upcoming match. Attached well? | ☐ Check screws/connections on subsystems: |
| ☐ Plug in Driver Console laptop to charge. | • DRIVETRAIN – Plates, motors, wheels |
| ☐ Check for loose parts/motors/gearboxes/wires/hoses | • INTAKE – Shafts, standoffs, brackets |
| ☐ Check battery cable connections to PDP & breaker | • LAUNCHER/PLACER – Shafts, structure |
| ☐ Any dangling or damaged wires? | • CLIMBER – Bolts, structure, shafts |

NON-POWERED SUBSYSTEM CHECKS – NOTE REPAIRS

☐ DRIVETRAIN	Rotation / Steering / Power transmission / Clean?
☐ INTAKE	Shaft collars tight / Belts tight and aligned / Structural alignment Deployment moves correctly / Check motor and/or piston mounts
☐ LAUNCHER/PLACER	Structural alignment / Belts to motors properly attached / Wheels/rollers spin smoothly / Aiming system
☐ CLIMBER	Structure (wear or stress?) Hooks straight? / Strap wound properly, ratchet in correct position
☐ ELECTRICAL	Unmanaged or dangling wires / Check wires near moving or sharp parts for wear / CAN wire check / Components securely mounted
☐ BUMPERS	Correct color / Brackets intact and firm / Missing or loose hardware

IN PIT (ROBOT ON) - NOTE ANY CODE OR MECHANICAL CHANGES

What changed?	Notes:

ENABLE ROBOT: POWERED SUBSYSTEM FUNCTIONAL CHECKS – NOTE REPAIRS

☐ Electronic Components	RSL: Blinking orange Camera(s): Feed(s) working on dashboard Radio: Securely mounted / Power and data cables / Connection
☐ Drivetrain (wheels off the ground!)	Drive wheels Forward / Back / Turning / Properly aligned?
☐ Intake	Deploy / Retract / Run intake / Run outtake / Reset for match
☐ Launcher/Placer	Loading / Run up to speed / check aiming
☐ Climber	Full extension / Retraction / Reset for match
☐ Pneumatics:	Release Valve Closed / Holding Pressure / Watch gauge for leaks Pressure: ☐ 60psi working ☐ 120psi stored

ROBOT OFF (preparing to queue):

☐ Install New Battery # _____	☐ Pack Driver Station with Laptop, controllers, charger
☐ Secure connector and Tug Test. Connector ok?	☐ Pack Robot Cart with necessary items:
Battery Beak:	☐ Tools ☐ Team Flag
☐ Charge: _____	☐ Spare Battery ☐ Gaffer's Tape
☐ Status: _____	☐ USB Tether Cable