

Safety



Mechanical:

- Always wear safety glasses and safety gloves when working with mechanical and electrical parts.
- Keep fingers and loose articles of clothing clear of metal gears and other pinch points while they are moving.
- Never pick up the robot while it is moving or while the DC or servo motors are running.
- Make sure to sand down or cover any sharp edges with tape.
- Use caution when using a larger gear to drive a smaller gear – the multiplied torque can damage the motor's gearbox.
- When two or more servo motors are used together, align them so that the motors will turn on the same axis.



Electrical:

- Make sure that the power is off when the robot is not in operation.
- Do not work on or operate the robot in wet or dirty environments.
- Do not touch non-insulated portions of wires.
- Always power the robot down before making any changes.
- Be careful when working around exposed metal wires and pins. Make sure not to touch or short them together.
- Do not run wires near pinch points. This could damage the wire or its insulation and create a short circuit situation.
- Do not mount battery pack(s) near or touching protruding screws, sharp corners or sharp edges on the robot's chassis.
- Make sure batteries are installed in the proper positive/negative orientation.