

## 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.
- Always cut metal carefully, and only with supervision.
- Make sure to sand down or cover any sharp edges with tape.
- Turn the screws only until the hard point connector has been securely attached to the TETRIX channels.
- Metal pieces moving at high speeds are a risk for injury.
- To avoid damaging the motor's gearbox, never use a larger gear to drive a smaller gear.
- 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 exposed wires.
- Always power the robot down before making any changes.
- Make sure to disconnect the power supply before disconnecting the servo or DC motor controllers and motors.
- Place the battery in a position where it will not rub against sharp edges.
- To protect electrical components, never bypass the battery's inline fuse.
- Do not leave the battery connected to the charger longer than necessary.
- Do not run wires along pinch points. This could damage the wire or its insulation and leave the wire dangerously exposed.