

2023 – 2024 Kit of Parts

To purchase your kit of parts, please visit your team Dashboard: <https://login2.firstinspires.org/Account/Login>. You will then be able to access the Pitsco Storefront to purchase your robotics kit. There are a couple choices you'll be able to make to select the kit that will work best for your team. If you have any questions about registering your team or ordering product please reach out to us at firsttechchallenge@firstinspires.org. If you are waiting for a grant, please DO NOT check out until after that grant has been awarded. *FIRST* will not be able to make changes to orders after checkout.

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Step 1: Pay your \$295 registration fee.

Your season team registration includes:

- Official *FIRST* Tech Challenge team number
- Ability to register and compete in official remote or in-person *FIRST* Tech Challenge events (varies by region)
- Access to the *FIRST* storefront for discounted control system components and robot kit of parts
- Access to resources for team management and career readiness
- Ability to compete for team awards and *FIRST* Tech Challenge Dean's List Award
- Team member and alumni access to career discovery opportunities, networking, and the *FIRST* Scholarship Program.

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Step 2: Choose a Control and Communication Set, \$275

The Driver Hub in the Control and Communication Set transmits commands and serves as the Driver's Station and Robot Controller. Each team will be allowed to purchase one Control and Communication Set for the 2023-2024 *FIRST* Tech Challenge season.

Control & Communication Set 5

Includes:

- Logitech Gamepad F310 (2)
- REV Driver Hub (1)
- Logitech WebCam (1)

\$275.00 (USD)



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Step 3: Choose an Electronics Set, \$295

The modules in the Electronics Set control the flow of information to and from the various components of the robot. Each team will be allowed to purchase one Electronics Set for the 2023-2024 *FIRST* Tech Challenge season.

REV Robotics Control Hub

Includes:

- REV Robotics Control Hub
- Phillips – head screws & nylock nuts (set of 4)
- Power Switch with bracket and XT to Tamiya adapter cable
- Color sensor with cable
- Touch Sensor with cable

\$295.00 (USD)



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Step 4: Choose a Competition Set

The Competition Set provides the structure and locomotion for the robot. Each team will be allowed to purchase one Competition Set for the 2023-2024 *FIRST* Tech Challenge season. Options include the TETRIX *FIRST* Tech Challenge Competition Set (\$630) and the REV Robotics *FIRST* Tech Challenge Competition Set (\$585).

TETRIX® FIRST® Tech Challenge Competition Set

TETRIX FIRST Tech Challenge Competition Set includes:

- 824 TETRIX MAX building elements designed for competition
- Heavy-duty structural, motion, and hardware elements including a variety of wheels, and aluminum gears, channels, flats, and connectors
- Four TorqueNADO® DC motors with encoders, motor cables, aluminum mounts, and REV hub conversion cable pack
- Four 180-degree standard-scale servo motors and aluminum mounts
- Rechargeable battery pack and charger
- Assembly tools
- Sturdy storage bin, lid, and sorting tray



\$630.00 (USD)

REV FIRST® Tech Challenge Competition Set

- New REV Building parts with over 1350 pieces
- Channel and Extrusion aluminum structure
- Metal and plastic gussets and brackets
- Configurable UltraPlanetary Gearboxes with HD Hex Motors
- Smart Robot Servos with multiple attachments
- Bearings and hex shafts
- Multiple wheel options (Omni, Traction, Grip, Intake)
- #25 sprockets and chain
- 7 sizes of hex gears
- Fasteners and tools including Chain Tool
- Slim Robot Battery and charger
- Plastic carrying tote



\$585.00 (USD)

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Step 5: Choose a Game Set (Optional)

This year we've added AndyMark game sets for the 2023-2024 CENTERSTAGE presented by Raytheon Technology game! Teams may order a full game set, a half game set, field soft tiles, and a perimeter kit



through our *FIRST* Tech Challenge Storefront. These purchases are optional. The full and half game sets will start shipping the week after *FIRST* Tech Challenge Kickoff, on September 11, 2023.