



THE KIT OF PARTS

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10 THE KIT OF PARTS

10.1 THE KIT OF PARTS

FIRST provides a Kit of Parts (KOP) to each FRC team. Only the exact parts provided in the KOP (or their exact replacement) are considered Kit Parts. Some Kit Parts may legally be used in additional quantities as described in Section 8.3.4.1 of the Manual. Additional quantities of these parts are considered to be “Additional Parts” and not “Kit Parts”.

10.1.1 Kit Evolution

Some of the exciting and important additions found in the 2007 Kit Items include the following items:

- All event-registered teams were invited to apply for National Instruments DAQ modules and receive their LabVIEW software before Kickoff.
- One C-programming tutorial account with Machine Science
- Two BaneBots planetary, 12:1 transmissions.
- One 36mm BaneBots gearmotor
- One BaneBots RS545 motor
- One vacuum kit (including 4mm pneumatic tubing, suction cup, and vacuum generator)
- Four AndyMark, Inc designed wheels which include integral molded hub adapters
- Two target light kits enabling teams to practice working with dual light targets
- One DualVee linear track system including four wheels, two concentric bushings, two eccentric bushings, and two pieces of track
- One Allen-Bradley terminal block assembly and two pieces of DIN rail to replace the power distribution block and ground stud
- Assorted Tyco electrical terminals
- One modification kit for the battery chargers facilitating the use of the Anderson Power Products connectors to plug into the batteries

10.1.2 Kit of Parts Contents

The *FIRST* 2007 Kit of Parts is provided in multiple containers. They consist of the following packages:

- 1) 1 – *FIRST* large red plastic tote for pickup at Kickoff
- 2) 1 – *FIRST* large blue plastic tote for pickup at Kickoff
- 3) 1 – Innovation First, Inc. KitBot box for pickup at Kickoff
- 4) 1 – Innovation First, Inc. Electronics Kit for pickup at Kickoff
- 5) 1 – SMC Pneumatics bag for pickup at Kickoff
- 6) 1 – Allegro Microsystems Gear Tooth Sensor Envelope for pickup at Kickoff
- 7) 1 – Analog Devices Sensor Envelope to be mailed after Kickoff

Use the 2007 Kit of Parts Checklist provided at www.usfirst.org/frc/2007/manual to inventory your Kit of Parts. The inventory must be completed within 48 hours of receiving the kit in order to determine that all items are present. **Any irregularities must be reported by 11:59 pm (EST) on Wednesday, January 10, 2007 per instructions in Section 10.1.3.**

The first column on the checklist should be marked when the item and quantities are correct. All bags are labeled. Photos are included in the checklist in case you are not sure what a particular part should look like.

10.1.3 Replacement Parts Requests

After receiving your Kit of Parts, you will use a similar system as last year to submit a "Replacement Parts Request" within a short period of time after the kickoff. Any parts requested will be sent to teams via this online request system only. The Replacement Parts Request link will be posted on the Team Information Management System (TIMS) after the Kickoff event.

The steps required to submit a Replacement Parts Request (after the kickoff) are as follows:

- Log into TIMS with your Logon ID and Password
- Click on the "Submit a Replacement Parts Request" link on right side of the Team Summary page
- Follow TIMS instructions to complete a Replacement Parts Request

****IMPORTANT****

Please remember there is a **time limited, one-time only** chance for submitting your Replacement Parts Request. Please be very careful to make sure your request is both accurate and complete prior to pressing the "Submit Request" button. Once the request is submitted there can be no changes to it. Please note that the system will not allow teams to request a quantity of parts higher than the number originally sent with the kit. **This system is also not to be used to order additional and/or purchased parts.**

Replacement Parts Requests will be processed daily and items will be shipped to teams during the next open shipping window. **Please remember that all requests must be placed by 11:59 pm (Eastern Time) on Wednesday, January 10, 2007.**

10.1.4 Innovation First Kit of Parts:

To submit a Replacement Parts Request for your IFI supplied kit items or for product support (to obtain a Return Merchandise Authorization Number (RMA#) prior to the return of warranted IFI parts) please contact Innovation First, Inc. at 903-453-0802. Do **not** contact *FIRST* for replacements or repairs of these items.

10.1.5 Obtaining Additional or Spare Parts:

We will have a listing of the LIMITED set of parts that will be available at events posted on the *FIRST* web site no later than January 12, 2007. If your robot is using parts not included on this list, and there is a reasonable possibility the part could be damaged or broken during competition, it is **STRONGLY RECOMMENDED** that you obtain and bring the appropriate SPARE PARTS to events.

Please use the table provided in the *2007 FIRST Guidelines, Tips, and Good Practices* document to order additional parts to those provided in the kit.

Innovation First, Inc. is also hosting the *FIRST* Store on behalf of *FIRST* on the Innovation First website. Its purpose is to assist teams with the ability to procure excess Kit of Parts items from *FIRST*. Only *FIRST* teams will be authorized to purchase the listed parts. *FIRST* will establish pricing for all parts, which will be inclusive of handling charges, but exclusive of shipping charges.

Additional parts and spare Innovation First parts are available and may be purchased by visiting the *IFI Store* at <http://www.ifirobotics.com/>. The Innovation First, Inc. contact for *FIRST* Store matters is Tom Watson at 903-453-0800, extension 204.

10.1.6 *FIRST* Loan policy for Control System Components:

Teams are responsible for all Innovation First products required at events. If at any event a team needs to borrow any part of a Control System, the team must provide a Credit Card number to ensure proper return of the items immediately upon completion of the event.

If the part is not returned at the end of the event, *FIRST* retains the right to bill the provided credit card number for the borrowed items.

All “loan” items will be available on a first-come, first-served basis.