

# 2005 FIRST Robotics Competition

**January 25, 2005**

**Team Update**

**05**

## → Special Notices ←

There are no -> Special Notices <- for this update.

## → General Notices ←

### **Documents and Updates**

FIRST will provide important information to teams via the FIRST web site at:

[http://www.usfirst.org/robotics/doc\\_updt.htm](http://www.usfirst.org/robotics/doc_updt.htm)

Please check the team updates portion of the web site on a regular basis to insure that your team does not miss critical information about the 2005 FIRST Robotics Competition.

Our schedule to publish Team Updates is:

- Tuesday by 5PM and Friday by 10AM. We work hard to meet these commitments. Unexpected circumstances may, on occasions, delay their publication.
- Additional updates may be released if required.

### **Question & Answer System**

**Please review answers to questions in the Question & Answer System daily before submitting a new question (see instructions below).**

The Question & Answer System can be found at: <http://www.usfirst.org/robotics/2005/qa.htm>

1. Please ask one question at a time.
2. Questions are limited to 240 characters.

<u>Find Q&amp;A Answered After a certain date</u>	<u>Find an Individual Q&amp;A ID</u>
Leave <b>Section</b> set to <b>All</b>	Enter question ID # in the <b>ID</b> field
Set <b>Date</b> to <b>After</b>	Press <b>Update Filter</b>
Enter the appropriate date in the next field	
Leave <b>Search</b> blank	
Set <b>Status</b> to <b>Answered</b>	
Press <b>Update Filter</b>	

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## **Section 0 - Introduction**

No changes.

## **Section 1 - Communication**

No changes.

## **Section 2 – Team Organization**

No changes.

## **Section 3 - The Arena**

No changes.

## **Section 4 - The Game**

No changes.

## **Section 5. The Robot (includes the Kit of Parts)**

### **ROBOT**

#### ➤ **UPDATED INFORMATION for: OI Reference Guide**

The Operator Interface Reference Guide has been updated regarding selection of practice channels. Please download the latest Guide at:

<http://www.ifirobotics.com/docs/oi-ref-guide-1-25-05.pdf>

#### ➤ **INFORMATION about: LED lights for your robot**

Each team will receive 2 LED lights for your robot, which you will receive at your 1<sup>st</sup> regional event.

Specifications are:

- 0.13 pounds each
- The light housing is plastic and is 2" x 2" x ½"
- The cable connected to each unit is 71" long

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## ➤ MODIFY: Rule R28

**New text is bolded and italicized; removed text is lined out**

<R28> Adhesive backed tapes are NOT allowed except as follows:

- Velcro tape, ***any hook and loop tape*** or double-sided sticky foam may be used for attaching components to the robot.
- Reflective tape may be used with optical sensors in small amounts.
- Adhesive backed labels may be used for labeling purposes.
- Electrical tape may only be used as an electrical insulator.

## ➤ MODIFY: Rule R31

**New text is bolded and italicized; removed text is lined out**

<R31> So that every robot's maximum power level is the same, the motors in the kit may **not** be modified except as follows:

- It is acceptable to modify the mounting brackets and/or other structural parts of the motors (output shaft, housing, etc.) as long as the electrical system is not modified and the integral mechanical system of the moving parts (bearings, bushings, worm gear output stages, etc.) is not changed or removed.
- The gearboxes for the Fisher-Price, and Globe motors are not considered "integral" and may be separated from the motors. FIRST will not provide replacements for parts that fail due to modification.

*The intent is to allow teams to modify mounting tabs and the like, not to gain a weight reduction by potentially compromising the structural integrity of any motor.*

## KIT

## ➤ QUESTIONS on: CMUcam2

For CMUcam2 assistance, contact Innovation First at 903-453-0800 or their website at:

[www.innovationfirst.com](http://www.innovationfirst.com)

## Section 6 – Robot Transportation

No changes.

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## **Section 7 – At the Events**

No changes.

## **Section 8 – The Tournament**

No changes.

## **Section 9 – The Awards**

No changes.

## **Section 10 - Scholarships**

No changes.

## **FIRST Guidelines, Tips & Good Practices**

No changes.

## **E-Mail Blasts Sent Since Last Update**

None.

## **Question & Answer Items of Note**

### ➤ #1284

Regarding the Globe motor. One was provided in the 2005 kit. You are allowed to use only one on your robot.