

February 13, 2007

## **TEAM UPDATE #11**

### **GENERAL NOTICES**

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#### **Section 0 - Introduction**

No changes.

#### **Section 1 - Communication**

No changes.

#### **Section 2 – Team Organization**

No changes.

#### **Section 3 – At the Events**

No changes.

#### **Section 4 – Robot Transportation**

No changes.

#### **Section 5 - The Awards**

No changes.

#### **Section 6 – The Arena**

No changes.

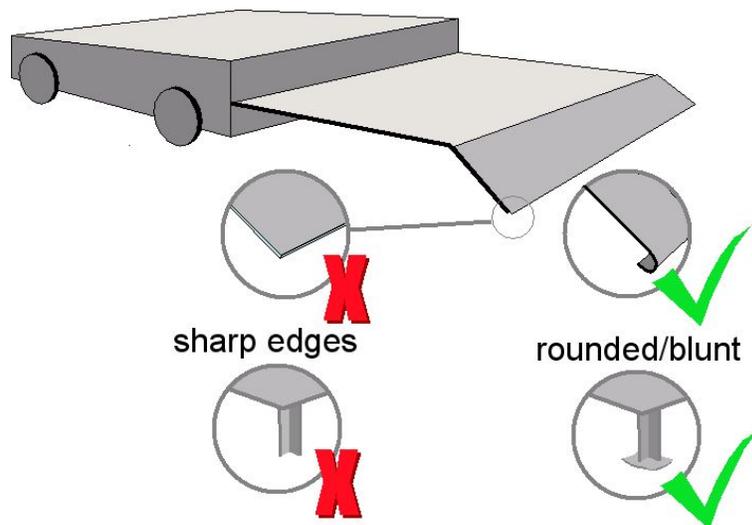
#### **Section 7 – The Game**

No changes.

## Section 8 – The Robot

1. *Section 8 – The Robot, RevE* has been updated to *Section 8 – The Robot, RefF* and reflects the following changes:
  - The name of the Allen Bradley LED in Rule <R16> has been changed from *diagnostic signal light* to *panel signal device* in order to be consistent with the Kit of Parts Checklist and the manufacturer's nomenclature.
  - The reference to the Kit of Parts chapter in Section 8.1.2 was updated from *Chapter 11* to *Chapter 10* to correct a clerical error.
2. We would like to remind all teams to please be careful when designing ramps, lifts, or any other part of the robot that may come in contact with the field carpet. Please refer to Rules <R04> and <R34> which discuss sharp edges. Teams may create "traction devices" without even realizing it. Remember that alliance partners struggling to climb onto another machine may collide and push another robot across the carpet.

A device that will not slide freely over the carpet without damaging it could inadvertently tear the field, which is impossible to completely repair at an event. Teams must not deploy sharp metal edges onto the field. We encourage the use of common sense and testing. All teams must take precautions to insure that such damage will not occur.



3. As teams prepare the Bill of Materials that must be presented at Inspection, we would like to invite them to use the template posted under *Section 8 – The Robot* on the *FIRST* website.
4. A reminder to teams using the SMC pneumatic solenoid valves - The valves were shipped with 24V coils installed on them. For competition, it is imperative that teams remove the 24V coils and replace them with the 12V coils provided in the SMC pneumatics bag.

The process involves the following steps:

- remove the two screws that secure the 24V coil to the valve
- discard the 24V coil, but save the screws
- align the 12V coil to the valve in the same way the 24V coil was

- aligned (with the marking “12VDC” next to the orange reset button)
- use the screws to secure the 12V coil to the valve

## **Section 9 – The Tournament**

No changes.

## **Section 10 – Kit of Parts**

No changes.

## **Documents and Updates**

No changes.

## **2007 *FIRST* Guidelines, Tips, and Good Practices**

No changes.

## ***The Question & Answer System***

No changes.