

February 10, 2009

TEAM UPDATE #11

GENERAL NOTICES

General Notes from *FIRST* Headquarters:

Section 0 – Introduction through Section 3 – At the Events

No changes.

Section 4 – Robot Transportation

Section 4- *Robot Transportation*, Rev B, has been updated to include the following changes:

4.12 *Shepard Exposition Services Freight Quotes*

ADDITIONAL SHIPPING CHARGES:

- If your delivery area does not have a loading dock, you will need a truck equipped with a lift gate. **If using the FedEx donation, this cost is covered under it.**
- All shipments will also have a fuel surcharge at a commodity price.

Section 5 – The Awards through Section 7 – The Game

No changes.

Section 8 – The Robot

Propeller Propulsion Protection:

One way in which robots may propel themselves in *Lunacy* is by way of propellers that provide thrust to the robot and move it across the low friction floor. There are several safety concerns that accompany such a design, and we'd like to share one example of what we consider a safe design. We expect that propellers or similar mechanisms will be protected in a comparable way.

One safe way to protect a general propeller contains the following:

- The exhaust and intake are both protected by a ¼" mesh (with the standard wire gauge)
- The perimeter of the propeller is protected by a 16AWG aluminum cowling. The length of the cowling is at least half of the diameter of the cowling.
- The propeller is positioned approximately 1/3 back from the front edge of the cowling.
- The mesh is securely fastened to the cowling.

Required Bumpers for Practice Day:

All robots participating in practice matches must be outfitted with bumpers.

40-Lb Carry In:

For those teams who will be taking advantage of the WITHHOLDING ALLOWANCE defined in Section 8, we ask that you contain these parts to one load at one time. We recommend this practice to ensure accuracy and compliance to the rules. Please ensure that all containers should be such that they are easily identified and weighed, if necessary. Refer to Section 8 (specifically, Rules <R25> and R<26> and the definition) for more information about the WITHHOLDING ALLOWANCE.

Section 9 – The Tournament

Non-working robots on the Playing field during competition:

Once a team brings their ROBOT onto the playing field, they have committed the ROBOT to the match, and they will not be permitted to remove the robot until the Head Referee signals for field reset at the end of the match.

Section 10 – The Kit of Parts

No changes.