

February 9, 2007

TEAM UPDATE #10

GENERAL NOTICES

Banebots transmissions update:

The Game Design Committee members and *FIRST* staff are very sorry that a part in the transmissions is not sufficiently tough. We thought our tests were conclusive. They obviously were not. We are working with the folks at Banebots to try to fix the problem. They too are very sorry and are working as fast as they can to get replacement parts made and shipped.

Unfortunately, we do not expect teams to receive the replacement plates until after the robot ship date. We are working with BaneBots to focus, initially, on those teams competing in Week 1. Details on how to request replacement plates and how to indicate where you want them shipped are below.

In order to mitigate the impact this will have on teams on Thursday morning at their initial competition, we are putting the following changes in place and will have the documentation updated to match by Team Update #11:

1) Teams that are using the Banebots 12:1 Planetary Transmission for the 2.5" CIM motor (Part Number GP-56012) in their robot design:

- may keep those transmissions with them (that is, not ship them in the crate with the robot and carry them to their initial competition), as well as any components integrated into the transmission (e.g. encoders)
- may keep the associated motor for each transmission with them
- if used, may keep the 2-motor adapter with them; in this case a second 2.5" CIM motor may be kept as well
- may rebuild these transmissions with the new plates between robot ship date and their initial competition
- these parts will not be counted toward the weight limit addressed in Rule <R31>

2) Practice matches will be delayed in an attempt to accommodate teams that must reinstall their transmissions.

3) A new section is being added to the 2007 FRC Q&A called "BaneBots Transmission Retrofits" so that teams have a resource to ask specific questions and get answers about this unfortunate situation.

In closing, we are humbled by the incredible spirit in which our oversight on these parts has been handled by the *FIRST* community. Recognizing the great repercussions this technical

issue could spawn, team member experts in metals and transmissions across the community have put in many extra hours over the past two weeks to analyze the problem and come up with realistic solutions. We salute them; they turned a difficult situation into a challenge and they created solutions -- the true essence of *FIRST*.

To order your replacement plates (at no additional charge) please following the instructions below:

EACH TEAM IS ONLY ALLOWED ONE FREE REPLACEMENT ORDER

THE ORDER FOR FREE REPLACEMENT CARRIER PLATES MUST BE PLACED BY 16 FEB 2007

How to order:

- Go to www.banebots.com/first
- Click on 56mm Replacement Carrier Plates (This is the first product on the page)
- Enter your first team number in the Team Number text box
- If you ordered additional 56mm gearboxes or 4:1 gear change kits, enter the order numbers in the Order Number text box. If you placed multiple orders for these parts, be sure to enter all the order numbers separated by commas.
- Select to have the carrier plates shipped directly to you or to have them shipped to your first regional competition. We *HIGHLY RECOMMEND* that teams based outside of the United States select to have the parts delivered to their regional.

Quantity:

You should leave the quantity at 1. The number and type of carrier plates you will receive will be determined by your team number and order number(s) as follows:

- You will receive two 3:1 carrier plates for the transmissions included in the KOP
- You will receive one 3:1 carrier plate for each purchased transmission
- You will receive one 4:1 carrier plate for each purchased 4:1 gear change kit

Complete the order on the website, ensure that you copy down the order number for future reference.

Delivery:

You will have two delivery options available. You may select to have the parts shipped to you, or you may select to have them delivered to the first regional you team is attending.

We *HIGHLY RECOMMEND* that teams based outside of the United States select to have the parts delivered to their regional. This is the only way we can ensure shipping and customs delays do not prevent you from receiving the parts as we have seen some international shipments take more than 30 days to be delivered.

A free shipping option will be offered for the order during checkout. The free shipping will be via USPS Priority Mail. You can select an alternate shipping method at an additional charge. In order to qualify for free shipping, the carrier plates must be the only items in the order. You should select the free shipping method if you select to have delivery to the regional.

We expect all replacement carrier plates to ship between 19 Feb 2007 and 26 Feb 2007.

Additional Carrier Plates:

If you wish to purchase Carrier Plates in addition to the free replacements, they will be

available for purchase on 19 Feb 2007. We will not be able to accept back orders for additional carrier plates.

Installation Instructions:

Installation instructions for the carrier plates will be available on the BaneBots web site. Look for the link on the product page used to order the carrier plates.

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

No changes.

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.