OBJECTIVE: Students will learn how to assemble the mechanical components. This will help students learn why the mechanical components are important and how they fit together to make the robot work.

PRELAB: Look at how the mechanical components are put together.

INLAB: Students will use the instruction book prepared by Greymark to assemble the mechanical components. Students will check each part and assemble them together. In case a student is unsure of how the components fit together they should ask the TA.

PROCEDURE:

Complete the following steps to perform the mechanical assembly:

1. Read over the section on mechanical assembly.

2. Read each step and get the appropriate mechanical components, tools and assemble them together (ask the TA if you cannot find the tools you need).

3. Make sure the correct mechanical component is obtained and it is correctly assembled together.

4. When you finish for the day fill out and sign the Daily Log. Keep it in the box until next lab.

CAUTIONS: Make sure that the gears fit tightly together (make adjustments if necessary).

Attachments:

1. Bottom view of the mechanical components.
2. Top view of the mechanical components.
Bottom view of the mechanical components

- 2MM NUTS
- 2.2MM FLAT WASHERS
- BATTERY HOLDER
- 2X5MM SCREWS
Top View of the mechanical components