



Safety / Technical Inspection

The Safety/Tech Inspection has two parts. The first is the Internal Inspection, which is done at your Pit table. The second part is the Functional Testing, where the Bot operation and functionality are tested.

The overall procedure is as follows:

1.) Check-in and Set Up Your Pit Table

When you arrive, check in at the registration table and bring along your team's Pit Package. Unpack and/or check over your Bot for any shipping damage and set up your pit table. Have an extra copy of your team's Safety Plan and the Bot Bill(s) of Materials to keep at your Pit table.

2.) Test-Weigh your Bot

It's a good idea to weigh your Bot (or all its parts) on an official Bots scale to verify that it's not overweight. Use the designated testing scales to check your Bot's weight.

3.) Open up your Bot for Internal Inspection

Next, prep your Bot for Internal Inspection at your Pit table for your assigned inspection time. You'll need to remove some or all of the external panels to expose the interior components. You don't necessarily need to completely disassemble the Bot, but the Safety Inspector has to be able to clearly see all the components. If the Bot has a pneumatic system, completely depressurize all your tanks, including any spare tanks.

Keep all safety covers and restraints on, if possible.

4.) Get the Internal Inspection

At your assigned time a Safety Inspector will come to your pit table to inspect your Bot. If the inspection reveals that some items need to be corrected, fix the problems, and then request another Internal Inspection. If you pass the Internal Inspection, prep your Bot for the Functional Testing.

5.) Prepare Bot for Functional Testing

For the Functional Test, your Bot should be configured as it will be at the start of the match. Check/charge the primary power batteries. Check/charge any secondary power batteries. If the Bot has a pneumatic system, go to the Refill Area and get the pressure tank(s) filled.

Be sure to attach all safety covers and restraints.

6.) Get the Functional Testing

Notify your Safety Inspector that your Bot is ready for the Functional Testing. Your Safety Inspector will accompany you to the functional test area where the test boxes are located. As a part of your assigned Safety Inspection time, your Functional Testing will take priority over the random use of the test boxes by other teams.

If the testing reveals that some items need to be corrected, fix the problems, and then request another Functional Test.

Once you pass the Functional Testing, you are now eligible for the competition matches. Your Bot must go through steps 2 through 6 of this Safety/Technical Inspection before every match in which you compete.

ONCE YOUR BOT HAS PASSED THE INSPECTIONS, WORK CAN NO LONGER BE PERFORMED ON THE BOT.

Ver-1.1 Sections 1, 2, 3, 4 and 6 revised

Ver-1.2 Section 6 revised