



Competition Inspection Checklist

Inspection Type: Initial Mandated Random

Size Inspection

Robot fits within starting size restrictions (18" x 18" x 18") does not touch walls or ceiling of the sizing box! *Robot should be measured WITH Robot, Reoff & Team ID # Plates installed.*

Overall Inspection

- Team Number is visible from two sides has been built using the Open Program License Plate Template.
- Robot does NOT contain any components which will be intentionally detached on the playing field.
- Robot does NOT contain any components that could damage the playing field.
- Robot does NOT contain any sharp edges or corners.
- Robot poses NO obvious unnecessary risk of entanglement.
- Team is only competing with ONE robot - they have no spare or replacement robots.
- Reoff lights must be installed on both sides of bot, free from obstructions and easily seen from all four sides.
- The Ethernet port is mounted so that the field Ethernet cord can be plugged directly into the port when the robot is on the field in its normal starting position.
- Any grease is used only in moderation on components that do not contact the field, objects, or other robots.

Parts Inspection

Robot uses a maximum of three (3) of these approved batteries:

Tenenergy NiMH 9.6V 2000mAh Battery --- Item No. 11401-01	Tenenergy NiHH 8.4V 1600mAh Flat Battery Pack --- Item No. 11328
Tenenergy NiMH 7.2V Flat Battery Pack 3000mAh --- Item No. 11204-01	Tenenergy NiMH 9.6V 3800 mAh battery --- Item No. 11408
Venom NiMH 9.6V 3000mAh battery --- Model 1532-8	Venom NiMH 9.6V 4200mAh battery --- Model 1546-8
Venom NiMH 9.6V 5000mAh battery --- Model 1548-8	VEX 9.6V Remote Battery NiMH – Discontinued
VEX 7.2V Robot Battery NiMH 2000mAh --- P/N: 276-1456	VEX 7.2V Robot Battery NiMH 2000mAh --- P/N: 276-1456

- Battery chargers are limited to the following:
 1. Tenenergy Universal Smart Charger for HiMH/NiCd Battery Packs (6V – 12V) --- Item No. 01025
 2. Vex 7.2V Smart Chargers 276-1445, 276-2519, 276-2221, 276-2235
- HIGHLY RECOMMENDED** Circuit A has a battery attached and is used **ONLY** to power the control unit and sensors. If this recommendation is not followed a team representative must initial the box to left and state they understand they are greatly increasing the likelihood that they will have a match affecting, on field power failure.
- A maximum of 2 pneumatic tanks have been used in the robot
- Total number of servos and motors is not greater than ten (10) or twelve (12) if pneumatics are not used.
- Pneumatics have not been modified in any way.
- The Reoff has not been modified in any way
- No rare earth magnets or electromagnets, other than those used in shielded motors, have been used.
- No part, or set of parts, that inhibits the normal operation and/or communication of other robots, has been used.
- No power sources other than pneumatics, batteries or compression (rubber bands, springs, etc.) have been used.

OTC Inspection

Reoff is installed and functions properly and its LED strips are clearly visible.

Reason for Failure (if any):

I hereby state that all of the above is true, and to the best of my knowledge all rules and regulations have been followed.

Inspector: _____

Participant: _____