COMPETITION INSPECTION CHECKLIST

Team Number: _____

Time of Inspection: _____ Pass/Fail:_____

Inspection Type: ____ Initial ____ Mandated ____Random

	Size Inspection	
	Robot fits within the Sizing Box (18" x 18" x 18") without exerting force on box sides or top	R4a
	Beginning at 10” above the tile surface, Robot may not extend more than 10” horizontally.	R4b
	Overall Inspection	
	Team Number is visible from 2 sides, is written in 3" tall, 1/2" stroke on a contrasting background	R10
	Robot does NOT contain any components which will be intentionally detached on the playing field	R3/G7
	Robot does NOT contain any components that could damage the playing field or other robots	R3
	Robot does NOT contain any sharp edges or corners	R3
	Robot poses NO obvious unnecessary risk of entanglement	R3
	NXT battery can be easily removed without disassembly	R11a
	USB port is easily accessible for rapid registration	R11b
	NXT Controller LCD display is readily visible	R11c
	Robot Flag Holder is present and adequately holds the flag during normal robot operation	R12
	TETRIX Power Switch is positioned to be readily visible to competition personnel and installed properly	R13
	ALL Decorating Components on the Robot NOT meeting FTC Inspection Criteria are NON FUNCTIONAL	R5f
	Game elements launched by Robots do not reach a maximum of four (4) feet above the field surface, nor travel a horizontal distance greater than ten (10) feet	R16
	Parts Inspection - Official TETRIX and LEGO Components	
	ALL Robot components are OFFICIAL TETRIX or LEGO Products	R5
	FTC Robot does not utilize any of the Packaging materials	R5c
	Robot has only (1) NXT controller	R5b
	Robot uses maximum of three (3) NXT Motors	R5b
	Robot uses maximum of eight (8) 12V DC drive motors	R5a
	Robot uses a maximum of twelve (12) servos (Hi Tec, HS-475HB)	R5a
	Robot uses a maximum of four (4) HiTechnic DC Motor or Servo Controllers (in any combination)	R5a
	Robot uses one (1) official NXT rechargeable battery pack or six (6) AA batteries (not both)	R5b
	Robot uses one (1) official FTC 12 V DC NiMH battery	R5a
	Additional Parts Inspection	
	Robot contains no more than 24"x24"x0.10" thick polycarbonate	R5c
	Robot contains no more than 24"x24"x0.0625" thick aluminum	R5c
	Robot contains no more than 24"x24"x0.040" thick Kydex	R5c
	Robot contains no more than 24"x24"x0.0625" thick ABS plastic	R5c
	Robot contains no more than 24"x24" of Non-Slip Pad	R5c

	Robot contains rope or cord not thicker than 0.125” diameter	R5c
	Robot contains plastic coated wire rope not thicker than 0.03125” diameter	R5c
	Robot contains no more than 36” length of PVC piping not thicker than 3” inside diameter	R5c
	Robot contains any number of rubber bands not larger than #32 (0.125” thick & 3” in circumference)	R5c
	Robot contains no more than 24” length of surgical tubing 0.25" outside diameter or smaller	R5c
	Robot contains electrical tape or heat shrink tubing only if used as electrical insulation	R5c
	Robot contains any number of cable ties not to exceed 11” in length	R5c
	LEDs (if used) must be visible light and only used as a signaling device or for decoration	R5c
	Robot contains no more than 24"x24"x 0.080" thick PETG	R5c
	Construction Inspection	
	NO electrical components have been modified from their original state except the HiTechnic Prototype Board	R9
	NO method of attachment NOT provided by the Tetrix except as specified as allowable per rule R5 and R9 (i.e. PVC cement on PVC, etc.)	R5/R9
	If thread locker is used, it is used for securing screws & fasteners ONLY	R5c
	Software Functionality Check	
	Robot has passed Software Inspection	R14
	Robot has the correct name based on the team’s FTC number	R8
	If Robot uses an Initialization Routine to move servos prior to start of match, a warning sticker is in plain sight on the robot.	I5
	Team is using the latest published version of the Field Control System (FCS) on their own computer	R17
	Team has demonstrated that they are using the correct version of the programming template	R14

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 of the 2009-2010 *FIRST* Tech Challenge have been abided by.

Hardware Inspector

Team Student Representative

Software Inspector

Team Student Representative