

MSD 14045 Mobile Pediatric Stander- Red Stander Update

Below are a list of tasks that need to be completed to get the Red Stander:

1. Remove previous accessories
 - a. Wheels & encoders, electronics and wiring, bucket tray system,
 - b. LEAVE THE BATTERY SHELF ON THE STANDER
2. Review BOM and acquire necessary materials to build the following components
 - a. Buttons/controls
 - b. Tray System
 - c. Battery Box
 - d. Electronic systems
 - e. Wheel System
3. Follow the Instructables to build the following
Found at [“DIY Mobile Pediatric Stander”](http://www.instructables.com/) on <http://www.instructables.com/>
 - a. Build Battery Box
 - i. Note: Additional space will need to be added to ensure suitable room for controls and battery, about ½ inch can be added to each dimensions
 - ii. Please allow for looser tolerances
 - b. Update wheel system
 - i. Encoders need to be updated to match the newer version used on the Blue stander
 - ii. Alternatively, replace the encoders with the newer version
 - c. Build tray system
 - d. Build bump sensor
 - e. Build controls box
 - f. Build stander driver circuits
 - g. Build button controls circuit
 - h. Program TIVA Launchpad board,
 - i. Stander Driver
 - ii. Stander Controls