

CNY Rocket Team Challenge Pre-Flight Check Lists

Before your team's rocket will be cleared for launch, it must pass a safety check and a payload configuration check. YOUR ROCKET'S CONSTRUCTION SCORE WILL BE DETERMINED BASED ON ITS CONDITION WHEN SUBMITTED FOR THIS SAFETY CHECK. MAKE SURE YOU REVIEW THIS CHECKLIST AND CORRECT ANY DEFICIENCIES BEFORE LAUNCH DAY. Please refer to the check lists below to assure that your team's rocket will be ready for flight before you are called to the mission control tent. If you have any questions the day of the event, please report to the technical support table.

Pre-Registration Safety Check List

Mission Control personnel will be inspecting each team's rocket for safety before you will be allowed to register. Below is the check list that the inspectors will be using.

- ✓ Fins Secured
- ✓ Motor Mount Secured
- ✓ Shock Cord Securely Mounted
- ✓ Parachute Attached
- ✓ Payload Section Nose Cone Secured with Screw
- ✓ Rail Buttons Securely Attached
- ✓ Sufficient Clearance Within Payload Section (Reserved Space) For 2.75 Inch Altimeter Capsule

Note: The space needed (reserve space) from the top of the payload's airframe by kit is as follows:

Graduator	5.875 inches
LOC IV	7.125 inches

Note: The Egg Must Be Stowed Below the Reserve Space in the Payload Section

Payload Configuration Requirements

Mission Control personnel will be installing electronic devices just prior to launch to measure the altitude and provide video. Below is the check list that the inspectors will be using to assure that your payload section will be ready to receive the electronics. Check your instructions for details.

- ✓ 1/8-Inch Hole for Air Pressure Sampling Within the Reserved Space
- ✓ Velcro Strip (Hook Part) Inside for Altimeter Capsule
- ✓ Velcro Strip (Loop Part) on Outside of Main Body Tube for Video Camera

Pre-Launch Check

Mission Control personnel will be checking your launch preparation after you are called up to Mission Control. Below is the check list that the inspectors will be using to assure that your rocket is ready to be launched. Check your instructions for details.

- ✓ Required Motor Inserted and Secured
- ✓ Separation Not Too Tight or Too Loose
- ✓ Egg Secured in Payload Section Below Electronics (Below Reserve Space)