

Pre-Flight Checklist

At the prep table

- Make sure all glue and paint on model is dry.
- Make sure motor mount is secured with no loose parts.
- Examine shock cord or recovery harness. There should be no dry rot, no frayed or burnt fibers.
- Check screw eye or plastic loop on nose cone. It should be securely attached.
- Check eyebolts and/or quick-links if present. They should be securely attached.
- Tug on both ends of the shock cord or recovery harness. It should be firmly attached.
- Select a recovery device that is appropriate for rocket's size and weight.
- Examine recovery device. Shroud lines should be of equal length, firmly attached and not tangled.
- Parachute or streamer should be strong with no rips or tears.
- Parachute or streamer must be firmly attached to recovery harness, nose cone and/or body tube.
- For glider or helicopter recovery check rubber bands and test mechanism or hinges.
- Nose cone should fit snug, not too loose or too tight.
- Make sure fins are aligned properly.
- Check fins and glider wings or helicopter blades. Wood should not have splits or cracks.
- Try to wiggle fins to make sure fillets do not have any cracks and fins are securely attached.
- Make sure launch lugs are properly aligned and securely attached to rocket.
- Make sure body tube is not kinked or warped.
- Make sure electronics are wired properly with drogue terminals and main terminals connected to proper device.

- Make sure electronics has good batteries and that appropriate ejection charge(s) are used based on cavity size.
- Make sure flameproof wadding is installed (Make sure baffles are clear of obstruction).
- Recovery system should be folded loosely.
- Install recovery system into rocket. It should slide out easily.
- Make sure shear pins, if used, are installed and properly sized for rocket size and charge size.
- Make sure a properly sized motor for the rocket has been selected.
- Assemble reloadable motor per reload instructions.
- Make sure delay grain is appropriate for rocket. Make sure ejection charge is loaded in reload casing, if used.
- Install and secure motor in rocket. Tape igniter to side of rocket.
- Know your rocket's center of pressure (CP) location. Verify that your rocket has at least one caliber of stability before proceeding to Range Safety Officer's (RSO) location.
- Present rocket to the Range Safety Officer (RSO) for flight approval. Indicate your rocket's center of pressure (CP) location to the RSO.

At the pad

- Arm electronics. Verify electronics has ejection charge(s) continuity.
- Install igniter and make sure it touches propellant.
- Make sure igniter holder is installed properly.
- Make sure launch system is disabled then connect leads to igniter.

Before launch

- If required, present flight card to Launch Control Officer (LCO).
- Enable launch system and check igniter continuity.
- Verify that the launch range and skies above are clear.
- Countdown....5....4....3....2....1. Press launch button and launch rocket.