

Mid-South Rocket Society Sport Launch Flight Card



Before each flight, fill out one card and bring it with your model to Safety Check

Owner's Name: _____ MSRS Member Yes Guest

Date: _____ Type Launch: Class 1 Class 2 (High Power)

NAR #: _____ NAR Expiration Date _____

Model's Name: _____ Kit Plan Original Est. Altitude: _____

Parachute Streamer Tumble Helicopter Glider Other: _____

Single-Stage Multi-Stage Clustered Scale Payload: _____

Engines: _____ Comments: _____

Is this a Certification Launch? Yes No If yes: Level 1 Level 2

Is this the first time you've flown a model rocket? Yes No

Is this the first time you've flown *this* model rocket? Yes No

Rod Needed: 1/8" 3/16" 1/4"

Rail Needed: 10-10 15-15 20-20

LAUNCH CREW USE ONLY

SAFETY OK (INITIALS) _____ PAD# _____

Pre-Flight Checklist (to be completed by the flier prior to the Safety Check)

If you are unsure or have questions about any of these items, please ask a member of the Launch Crew for help.

- The Flier agrees to follow the NAR safety code.
- The flier agrees not to hold the club liable for injuries or damages.
- Make sure all glue and paint on the model is dry.
- Examine shock cord. No dry rot, no frayed or burnt fibers.
- Tug firmly on both ends of shock cord. It should be firmly attached.
- 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 nose cone, shock cord, or body tube.
- Check screw eye or plastic loop on nose cone. It should be securely attached.
- 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 / rail buttons are properly aligned and securely attached to rocket.
- Make sure the body tube is not kinked or warped.
- Make sure electronics are properly wired, have good batteries and that preset events are properly selected.
- Make sure flameproof wadding / cloth is installed (Make sure baffles are clear of obstruction).
- The recovery system should be folded loosely.
- Install recovery system into rocket.
- 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 the ejection charge is loaded.
- Install and secure the motor in the rocket and verify that the motor mount is firmly attached to the rocket.
- Install igniter (at pad for HP) and make sure it touches propellant.