

# Dual-Deploy Launch Checklist

## Before Arriving at the Launch Site

- Power on your altimeter/flight computer to make sure it works and is configured for your anticipated flight profile. Main chute deploy altitude: \_\_\_\_\_
- Charge any rechargeable batteries needed for your rocket.
- Measure out at least two flights worth of black powder for your ejection charges.  
Upper Tube Charge: \_\_\_\_\_ Lower Tube Charge: \_\_\_\_\_
- Open the electronics bay and check all connections for soundness and continuity.
- Inspect shock cords, blast protectors, parachutes, and recovery hardware.

## In Your Preparation Area

### Electronics Bay

- Insure that the on/off switch is OFF.
- Insert a new battery into the battery holder and secure it.
- Connect and check the continuity of the following connections:
  - Battery
  - On/Off Switch
  - Main parachute
  - Drogue parachute
- Close the electronics bay
- Connect and secure the ejection charges to each bulkhead of the electronics bay.

### Recovery System

#### Lower Body Section

- Check the lower shock cord attachment to the motor mount.
- Attach drogue/main parachute to the lower shock cord.
- Connect the blast protection blanket to the lower shock cord.
- Attach the lower shock cord to the aft end of the electronics bay with a shock cord protector.
- Place the electronics bay on the lower body tube. Check for snug fit.

#### Upper Body Section

- Check the upper shock cord attachment to the nose cone.
- Attach drogue/main parachute to the upper shock cord.
- Connect the blast protection blanket to the upper shock cord.
- Attach the upper shock cord to the fore end of the electronics bay with a shock cord protector.
- Place the upper body tube assembly on the fore end of the electronics bay.
- Install the shear pins to secure the upper body tube to the electronics bay.

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## Final Preparation

- Prepare the engine by following manufacturer's instructions.
- Insure the ejection charge in the motor is removed.
- Insert engine into motor mount and secure with motor retaining system.
- Tape the igniter to the outside of the rocket.
- Check rail buttons/lugs for soundness.
- Present for inspection.

## RSO Inspection

## At the Pad

- Insure the pad is not armed.
- Place rocket on rod/rail, get assistance if needed
- Put rod/rail in vertical launch position
- Turn on flight computer; listen for the appropriate health tones.
- Turn on other electronics such as cameras, beacons, and altimeters.
- Insert and secure the motor igniter.
- Check the continuity of the ignition circuit.

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Rocket: \_\_\_\_\_

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