

## Single Stage Rocket Launch Checklist

### 1. Equipment inventory:

- ☐ Motors:
  - 1..1. Estes F-15-4
  - 1..2. Aerotech F-67-4
- ☐ Igniters
- ☐ Parachutes
  - 1..1. Nylon (36,48,58)"
  - 1..2. 30" Dino Chutes
- ☐ Recovery Wadding
- ☐ Kevlar Shock Chord
- ☐ Tools:
  - 1..1. Long Needle Nose Pliers
  - 1..2. Screwdriver
  - 1..3. Sandpaper
  - 1..4. Scissors
- ☐ Launch Stand
- ☐ Launch Controller
- ☐ Batteries(D-Cells)
- ☐ Electronics Bay
- ☐ Dummy Payload (Equivalent Weight of Electronics Bay)
- ☐ Duct Tape
- ☐ Masking Tape

2. Install Bulkhead and secure with screws	
3. Tie shock chord to bulkhead eyebolt and motor mount eyebolt	
4. Attach parachute swivel and quick link	
5. Attach parachute to quick link	
6. Place recovery wadding in lower body <b>NOTE: Be sure to position wadding all around shock chord</b>	
7. Fold parachute	
8. Roll up shock chord and place into lower body	
9. Place parachute into lower body	

10. Place upper body onto lower body	
11. Install engine into motor mount with igniter and put the retainer cap on <b>WARNING: DO NOT USE F15-4 WITH A PAYLOAD INSTALLED</b> <b>NOTE:</b> If F15-4, be sure to wrap duct tape at least 6 times to properly secure motor	
12. Prepare Electronics Payload <b>NOTE:</b> See Electronics Payload Instructions	
13A. Place Electronics Payload into rocket <b>NOTE:</b> Be sure antenna goes into hole in bulkhead	
13B. If not using the Electronics Payload, insert the dummy payload.	
14. Install nosecone onto rocket and secure with screws	
15. Place rocket on launch stand	
16. Attach ignition leads to motor ignitor	
17. Arm Electronics Payload and be sure satellites are acquired	
18. Ensure that all personal are a safe distance away and proceed with a countdown.	
19. Launch the Rocket	