Mines Rocket Club FAR Higher Launch Prep Checklist

Flyer Name	Will Swegles	Launch Date	2024-6-15		
Overseer Name		Rocket Name	FAR Higher		
Notes					
A in the Oak for all	•				
Avionics Configurat	ion	٦			
Computer Model		Serial Number			
Drouge Delay		Drouge Charge	Size		
Main Altitude		Main Charge S	ize		
Callsign		Channel / Frequ	uency		
Orientation		Baudrate			
☐ 1 Pre-Depart	ure / Hotel Room				
1.1 ☐ Test of	all pyro charges (Pop Tes	t, inclues test firing	g second stage ignitor).		
1.2 ☐ Test fit	of avionics and batteries.				
1.3 ☐ Test re	covery deployment via pu	II test.			
1.4 ☐ Construct, label, and store pyro charges.					
1.5 \Box Ensure good fit of motor into motor mount and casing retention system.					
1.6 ☐ Ensure presence of 2x launch rail guide system.					

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	1	.6.1 □ Flyaways
	1	.6.2 □ Lugs
	1	.6.3 □ Tower
	1.7	☐ Ensure appropriate paperwork
	1	.7.1 Club Flight Card
	1	.7.2
□ 2	ſ	Departure
;	2.1	☐ Ensure all rocket components are together and labelled.
	2.2	$\hfill\Box$ Ensure that all of the rocket's recovery devices are integrated into the rocket.
,	2.3	☐ Ensure the presence of the telemega in the avionics bay with a charged battery and a pyro batter and pyro battery holder.
:	2.4	☐ Ensure charges are packed correctly and labelled.
;	2.5	☐ Ensure presence of avionics screwdrivers.
;	2.6	☐ If using flyaway rail guides, ensure presence.
□ 3	ı	Preflight
;	3.1	☐ Ensure rail guides are installed.
;	3.2	☐ Collect pyro charges from pyro box.
;	3.3	$\hfill\Box$ Install pyro charges (do not arm the flight computer).
;	3.4	$\hfill\Box$ Check continuity, avionics functionality, GPS lock, and radio signal with avionics in idle mode.
;	3.5	☐ Ensure airframe is undamaged.
;	3.6	☐ Ensure motor mounts & retention is undamaged.
;	3.7	$\hfill\Box$ Install motors, checking head end retention, closure secureness, and lack of wiggle in grains.
;	3.8	$\hfill \square$ Plug in and check functionality of screamer. Return to CF tube as quickly as possible.
;	3.9	□ Notify club members of immenent launch. Begin moratorium on other club flights.
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□ 4 C	On Pad		
4.1	☐ Approach the rail.		
4.2	4.2 Install rocket onto launch rail.		
4.3	4.3 □ Orient the launch rail for launch.		
4.4	4.4 ☐ Activate & arm the avionics.		
4.5			
4.6 ☐ Retreat to the launch control area.			
4.7 ☐ Before launch:			
4.	7.1 Double check roles of visual and telemetry tracking for both booster and sustainer.		
4.	7.2 Confirm search groups for each stage		
4.	7.3 Ensure telemetry computer has a power supply attatched		
4.8	☐ Upon launch:		
4.	8.1 Sustainer telemetry: communicate alittude and major events to club and RSO.		
4.	8.2 Booster telemetry begin tracking upon staging event.		
4.	8.3 Booster visual continue watching the booster until ground hit and filming if possible.		
4.9	☐ Enter GPS coordinates of sustainer into GPS and phones of sustainer search party.		
4.10	☐ Ensure that both search patries have adequate food & water.		
4.11	☐ Ensure both parties have radio communication with the base staion & depart.		
□5 F	Recovery		
5.1	☐ Take pictures of the rocket as found.		
5.2	$\hfill\Box$ Collect all components of the rocket, as well as any waste that can be found.		
5.3	☐ If using avionics, deactivate and disarm.		
5.4	☐ Ensure the casing is still present and undamaged.		
5.5	☐ Take a visual inspection of the rocket.		
5.6	☐ Communicate to base station that the rocket has been recovered and the status of the casing and airframe.		