

Standard Operating Procedure for rocket car launch

Prior to launch

Once track area is assessed, wind direction identified & track is set up.

- Ensure all cars are checked against dimensions for min. (safe) material & eyelets secured safely.
- Load all cars on the tether lines
- Move car to launch to the start. Leaving 1 metre gap behind it.
- Brief all observers with Health & Safety protocol
 - All 3 meters from track
 - All facing the track
 - All stood up
 - All take part in countdown

Launch Sequence

- Ensure launch box is disconnected from the battery
- Load one primed motor from the ammo tin into the back of the car
- Connect crocodile clips
- Visual check area and ensure RSO is happy for you to launch
- Connect battery
- Switch on box. Check for power (**amber light**) & continuity (**green light**)
- Turn key to arm the box (**red light**)
- Shout 'Track live'
- Final check with RSO for thumbs up (go/no go)
- Count down with all observers '3,2,1....' Press launch button.
- After successful launch, disconnect battery & repeat **launch sequence**

In the event of a misfire

- Disconnect the battery & wait 5 min. Explain what you are doing.
- Put on gloves & goggles

- Approach car from the side
- Remove the motor & put in bucket of water
- Replace with spare motor
- Repeat launch procedure

Always conduct a dynamic risk assessment

Never operate in high cross winds