

Possible Take-Off / Tow Emergencies

- Rope break
- Canopy not latched
- Flight controls
 - Not connected
 - Obstructed
 - Frozen
- Tow rope/ Ring(s)
 - Knotted or frayed
 - Improper ring
 - Improper weak link
 - Snag on ground obstruction
 - Overrunning the tow rope
- Wing runner error
- Tow release inoperative
- Wing drop on takeoff roll
- PIO
 - By glider pilot
 - By tow pilot
- Air brakes (spoilers) opening
- Flaps in wrong position
- Tow plane emergency
 - Power failure
 - Fire/smoke in cockpit
- Tire blowout
- Runway incursion (car, person, aircraft)
- Glider out of position
 - Too high (ESPECIALLY on take-off)
 - Too low
- Glider pilot not ready
- Slack line/ rope wrapping around glider
- Turbulence (e.g. dust devil)
- Traffic conflict
 - Landing aircraft
 - On tow
- Tow speed too slow or too fast
- Seat belts undone
- Instruments/Communications
 - Altimeter not adjusted
 - Airspeed indicator inop
 - Radio/nav not set & operating
- Tail parachute opens
- Snake/bee/wasp/other critter in cockpit
- Other distraction (e.g. GPS falls on cockpit floor)
- Passenger panic/airsickness
- Being towed too far downwind- or too far out @ low altitude
- Ballast comes loose
- Smoke in cockpit (e.g. electrical short)
- Tail dolly on
- CG out of limits
- Water ballast spills into cockpit
- Water ballast unbalanced
- IMC