

## Tandem Master EP Procedure Assessment

### Sigma

<b>EMERGENCY</b>	
1. Normal opening sequence	
2. Unable to deploy drogue	Deploy reserve immediately.
3. Drogue bridle entangled with gear or tandem pair. Inflated Drogue? Not inflated drogue?	Try to clear, if unsuccessful, pull reserve handle above 3,000ft. (discuss)
4. Drogue not inflated/ collapsed	Pull drogue release handle after 6-8 seconds.
5. Left or right arm incapacitated through interference by passenger or injury, drogue out	Attempt to free arm, release drogue at altitude, can use secondary drogue release
6. Cannot find or pull either drogue release handle	Pull reserve handle.
7. Container opens during freefall, drogue not deployed yet.	Deploy drogue immediately.
8. Only left drogue release handle (primary) pulled, no deployment appears to be happening	Pull secondary drogue release.
9. Both drogue release handles pulled, no deployment appears to be happening	Use elbows on side of container to try to dislodge main bag. If no response, inflated drogue in tow – pull reserve handle. (discuss)
10. Main deploys, drogue entangled with main or lines	Decide if malfunction is safe to land before hard deck– if not, pull cutaway handle and then reserve handle.
11. Full line stretch, but main remains in deployment bag (bag lock)	Locate both emergency handles, cutaway, ensure full release of both risers, pull reserve handle.
12. Line over	Assess, cutaway and deploy reserve no lower than hard deck.
13. Step through on main	Assess, cutaway and deploy reserve no lower than hard deck.
14. Main malfunctions, and passenger is incapacitating TM's right arm.	Release arm, cutaway and deploy reserve. (discuss)

15. Main malfunctions, and passenger is incapacitating TM's left arm. With an RSL? Without an RSL?	Release arm, cutaway and deploy reserve. (discuss)
16. Engine failure at 8000ft	Prepare for exit, listen for instructions from the pilot.
17. Engine failure at 4000ft	Prepare for exit, listen for instructions from the pilot.
18. Engine failure at 1500ft	Prepare for landing, listen for instructions from the pilot.
19. Catastrophic structural failure at 7000ft.	Exit, deploy main.
20. Catastrophic structural failure at 2000ft.	Exit, deploy reserve
21. Engine failure at 5000ft over the ocean.	Exit, deploy main, prepare for water landing.
22. Passenger refuses to jump before door opens.	Don't jump.
23. Passenger refuses to jump, hanging half way outside the aircraft.	Assess, if more difficult to climb back in, exit as normal.
24. Side spin.	Implement side spin recovery procedures; if successful, deploy drogue. If unsuccessful and drogue side up, deploy drogue, if drogue side down, deploy reserve.
25. Cameraman entangled with drogue/drogue bridle.	Release RSL, cutaway, pull drogue release, track and gain vertical separation, deploy reserve.
26. Drogue bridle breaks or detaches as drogue release is pulled (no drogue, container is open, main still in container).	Use elbows on side of container to try to dislodge main bag. If no response, release RSL, cutaway, ensure full release of main risers, pull reserve handle. (discuss)
27. Drogue bridle breaks at disk during drogue fall. (no drogue, container is closed).	Deploy reserve.
28. Two canopies out. Bi-plane or side by side? Downplane? Second bag out, canopy not yet deployed?	Discuss.