



**TRAP SYSTEM™ (MARD)  
Supplemental Packing Instructions  
G3, G4.1 and RTS**

The Mirage TRAP SYSTEM™ is a unique approach to how a Main Assisted Reserve Deployment (MARD) system functions. The Trap System design is simple, reliable, and rigger friendly.

The TRAP SYSTEM™ is not attached to the reserve bridle in any way until needed. Only when the main parachute is cutaway does the Trap engage and aid in deployment of the reserve parachute. If the ripcord is pulled, or an AAD deploys the reserve, there is no mechanical device that must first detach to allow your reserve to deploy normally.

The TRAP SYSTEM™ includes these parts:

1. The Trap and the Trap Door (cover), which are sewn to the No. 1 pilot chute kicker flap of the Mirage reserve container;
2. A red RSL lanyard with a Trap Line installed;
3. A modified reserve bridle which is simply folded and sewn for insertion into the elastic keeper;
4. A pair of Mirage Systems, Inc. main risers with a factory installed RSL ring.

**Caution!**

**Use ONLY main risers made by Mirage Systems, Inc., with a factory installed RSL ring! The TRAP SYSTEM™ has not been tested using risers built by other manufacturers.**

**Use ONLY genuine TRAP SYSTEM™ parts available from Mirage Systems, Inc. The use of locally modified reserve freebag bridles or locally made replacement RSL lanyards and Trap Lines is not authorized!**

## MIRAGE TRAP SYSTEM™ (MARD)

The following instructions should be followed closely to properly assemble and pack the TRAP SYSTEM™.

If you have questions, contact Mirage Systems, Inc.

### Assembly

1. Fold the RSL together, mating the velcro strips, and insert under yoke with snap shackle tab facing inward.



2. Route the RSL over the yoke toward the reserve container and place under the lip of the RSL retainer (a half-twist outward is helpful).



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3. Fold the retainer and RSL onto the yoke, removing any twist in the RSL. The label on the RSL should now be facing up.



4. Pull the Trap Line through the loop on the end, forming a cinch. The end loop has red stitching.

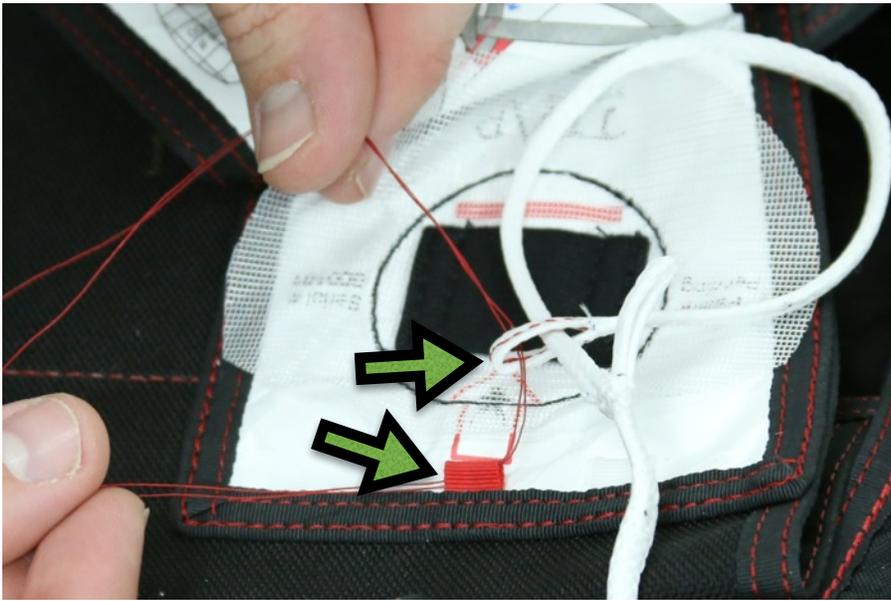
### Helpful Hint

*A clamp can be used to keep the Trap Door folded out of the way during the next steps.*



5. Place the Trap Line on top of the mesh as illustrated on the inside of the Trap Door.

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6. Thread a doubled length of cotton 24/4 safety tie thread through the end loop on the Trap Line, and the red tab on the Trap. Do not use a needle to pierce the end loop or Trap Line.



7. Tie the end loop and red tab together with a surgeon's knot and a square knot. Cut thread leaving ¼" - ½" (.635cm - 1.27cm) tails. Make sure that Trap Line is free to slide through the loop after the knot is tied!



8. Tie the white loop on the Trap Line and the white tab on the Trap together using doubled cotton 24/4 thread. Cut thread leaving ¼" - ½" (.635cm - 1.27cm) tails.

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9. **IMPORTANT!** Place the Trap Line **UNDER** the mesh, as shown. The loop should be evenly distributed. Smooth the mesh.



10. With the loop for Trap Line on the RSL facing up, route the ripcord cable through first guide ring on No. 6 reserve pin flap, the ring on the RSL, then the second guide ring on the the No. 6 reserve pin flap, as shown. Make sure that the RSL and Trap Line are not twisted.



11. Neatly tuck excess RSL and Trap Line between the reserve container and the back pad, as shown. Remove the clamp, if used.

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### Packing

12. Fold the reserve canopy in accordance with the canopy manufacturer's instructions and place in the reserve bag in the normal manner.
13. Place the packed reserve bag into the reserve container.



14. Starting on rigger's left, make two stows of the reserve bridle, then make 1-1/2 stows on the right, forming a "V", on top of the packed bag.

Main Container

Yoke / Top of Rig



15. Close the No. 1 kicker flap over the stowed bridle with the bridle exiting at the rigger's upper right and pin in place.

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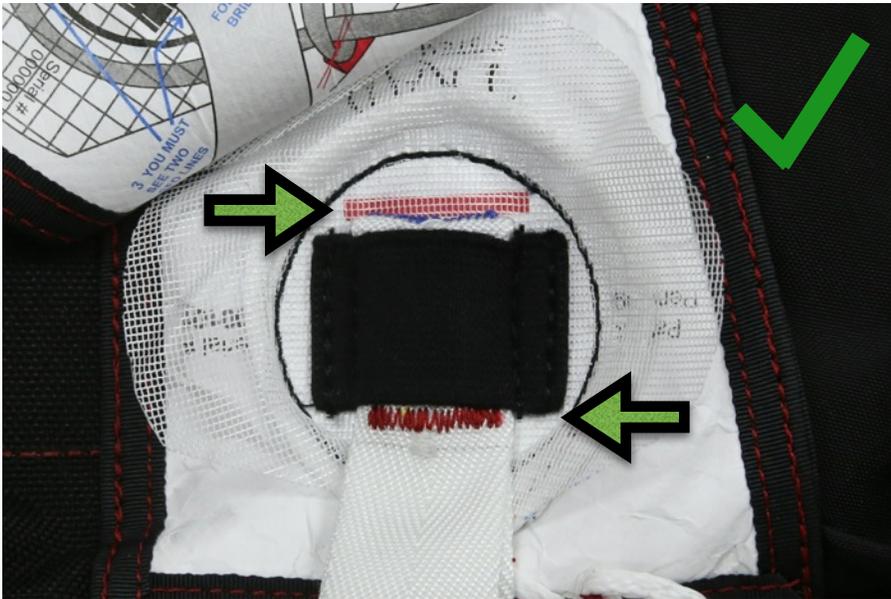
16. Fold the bridle over the No. 1 kicker flap toward the top of the reserve container, removing any twists. Fold the bridle together on the **BLUE** line. The **RED** line should now be facing **DOWN** toward the kicker flap.



17. Rotate the folded end of bridle under toward the bottom of the reserve container. The **RED** line is now facing **UP** and the remainder of the bridle running to the reserve pilot chute should be **DOWN**. There should be no twists in the bridle.

**18. Caution! Insert the folded bridle under the elastic keeper in the DIRECTION OF THE RED ARROW printed on the Trap label!**

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19. The bridle should only extend beyond the elastic enough to slightly see the blue line. When properly stowed **TWO RED LINES MUST BE VISIBLE!**

### Helpful Hint

*The folded bridle may be pushed through the elastic loop and then pulled back until the blue line is even with the edge of the elastic.*



**Caution! DO NOT pack the TRAP SYSTEM™ with the bridle EXTENDED beyond the RED line printed under the mesh.**

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20. Close the Trap Door.



21. Place the bridle loosely on top of the Trap Door, using caution not to pull the bridle out of the elastic keeper. Tuck excess bridle under the edge of the No. 1 kicker flap.



22. Make a short "W" fold placing the remainder of the bridle on the opposite side of grommet. Do not twist.

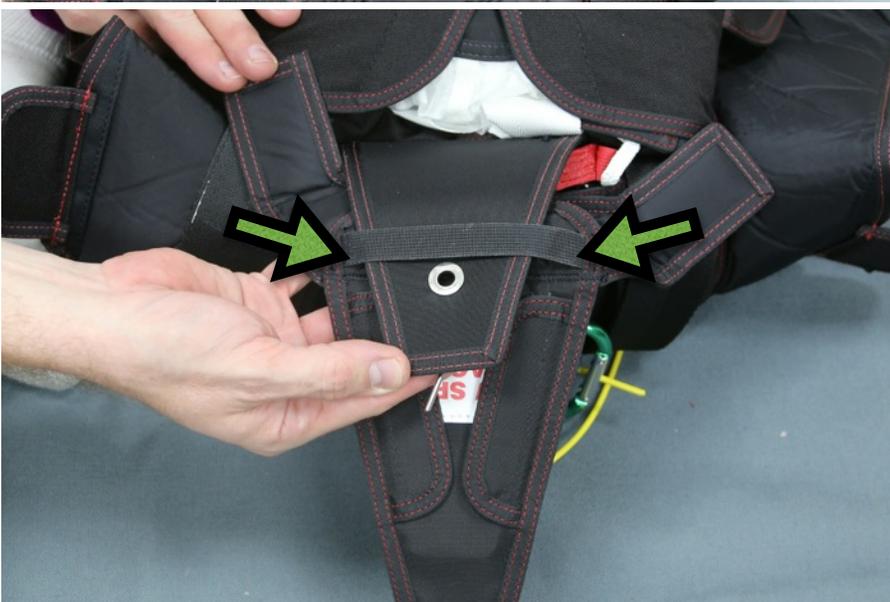
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23. Stow the remainder of the bridle on the rigger's left.



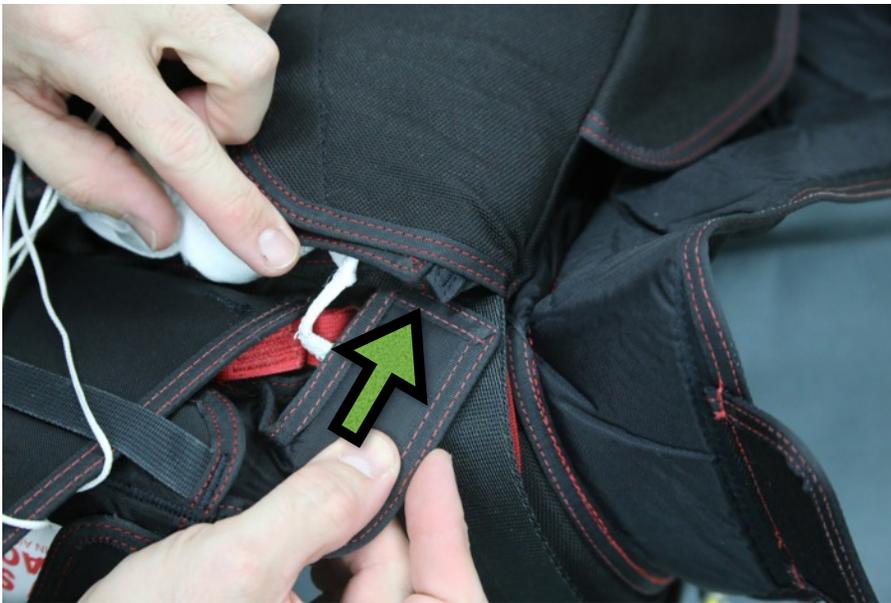
24. Compress the pilot chute and close the reserve container 3, 4, and 5 flaps.



25. On the G4.1, place the No.6 ripcord pin flap and ripcord through the retainer on the ripcord pin cover flap BEFORE pulling the closing loop through the No. 6 flap.



**CAUTION!**  
Do not use a packing paddle near the Trap.



26. Insert the reserve container tuck tabs between the reserve risers and the reserve freebag. Make sure that the Trap Line and/or RSL are not disturbed when inserting the tuck tab. The Trap Line and RSL must be inboard of the tuck tab.

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27. Close the No. 6 flap and insert the ripcord pin.



28. When packed, very little (if any) of the Trap System should be visible.

29. When re-packing the reserve, the Trap should be visually inspected. Unless it has been used, there is no need to remove and reinstall the Trap Line.

If you have any further questions or concerns regarding proper care and packing of the Trap System, please contact Mirage Systems, Inc at 386-740-9222.