



SIGMA 2 RESERVE CANOPY PACKING INSTRUCTIONS

ENGINEERING DEPARTMENT

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INSTRUCT-067 Sigma 2 reserve packing.docx

PACKING PROCEDURE

Prior to packing, inspect canopy for any damage, and ensure correct line continuity.

Grab individual line groups and follow lines up to the slider. The line groups must be clear up to the canopy, and pass through the slider grommets.



Place canopy over shoulder, and flake the nose counting each cell. When you have the entire nose flaked, tuck it between your knees and hold it there. Clear the stabilizers. Flake each side outwards, with lines and line attachment points placed in center. Quarter the slider. Clear the tail, flake the material between each steering line outwards, with lines and line attachment points placed in center.



Spread the nose of the canopy with an even number of cells to the left and the right, leaving the center cell fully exposed in the middle.



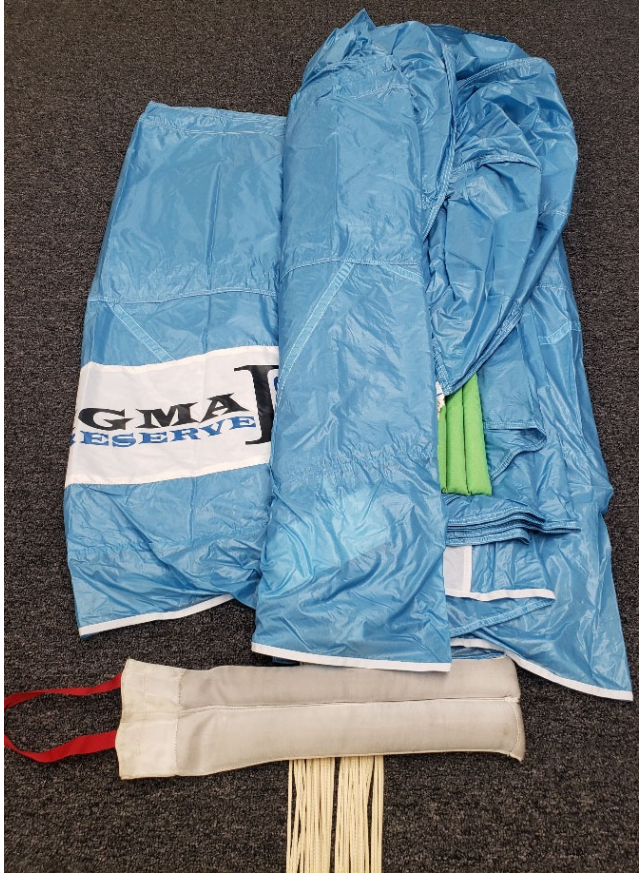
Hold the lines in one hand with tension forward and use your free arm to support the canopy fabric while gently placing the canopy on the packing surface.



Place a packing weight at the base of the canopy and maintain line tension. Dress up the canopy folds from flaking, keeping the lines centered.



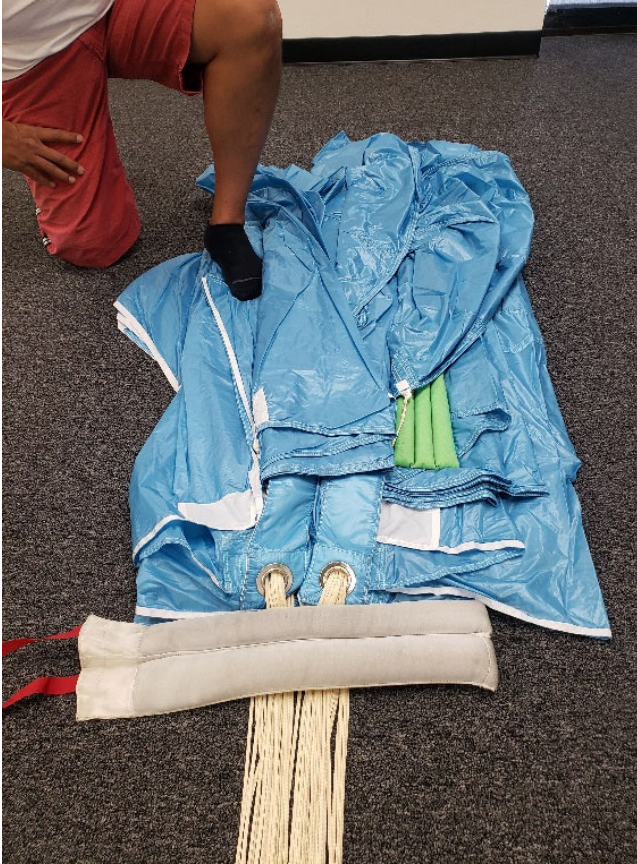
Starting at one side of the canopy, carefully lift the folds of material back towards the center of the pack job until the nose is exposed. Use packing weights hold the opposite side in place. Flake the 4 nose cells to the outside and lay them flat. Use a packing weight to hold them in place.



Flake the material between the A and B lines away from the line channel in the center of the pack job. Be sure to have A and B line attachment points and their reinforcement tapes in the center of the pack, stacked together. Even up the bottom seams at the stabilizer.



Smooth out the fold between the A and B lines and create a reduction fold in half towards the center of the pack job. Go to, but do not go beyond the line attachment points. Use weights to control the fabric and folds.



Repeat the previous steps to flake the material between the B and C lines. Repeat the previous steps to flake the material between the C and D lines.



Flake the material between the upper control lines toward the outside of the pack job leaving the control lines stacked neatly on the top of the A, B, C, and D lines from before.



Move to the opposite side and repeat the steps for nose, A/B/C/D, and tail. Dress up and quarter the slider into the folds of B and C, without exposing too much on the front or back. Make sure the line channel in the center of the pack job is clear, and all lines and attachment points are in the center of the pack.



Fold the flaked tail section of the canopy under to achieve the same width as the rest of the canopy folds. Prepare the center cell material to cocoon the canopy, without distributing the folds.



Use the center cell material to cocoon around the tail section.



Place this in between the A/B folds and B/C folds, effectively cocooning the fabric from C lines until the tail.

Ensure that all folds are the same width and use packing weights to hold in place. The center cell seam should be centered on the pack.



Count the 4 cells of the nose and grab them while maintaining tension forward.



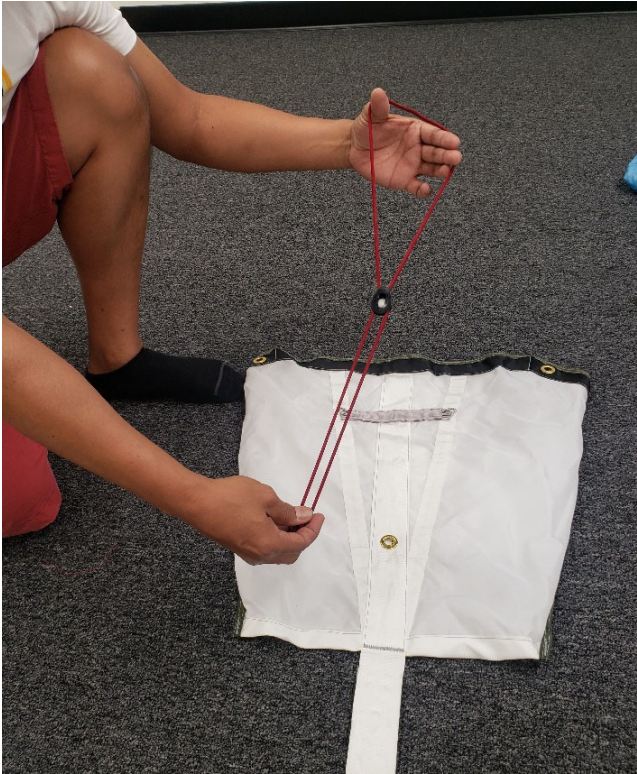
Roll the 4 cells together downward and in until equal with, and placed under, the edge folds. The roll should not be aggressive, but similar to very narrow folds.



When the nose folds are complete, the leading edge should be even with the edge of the cocooned canopy.



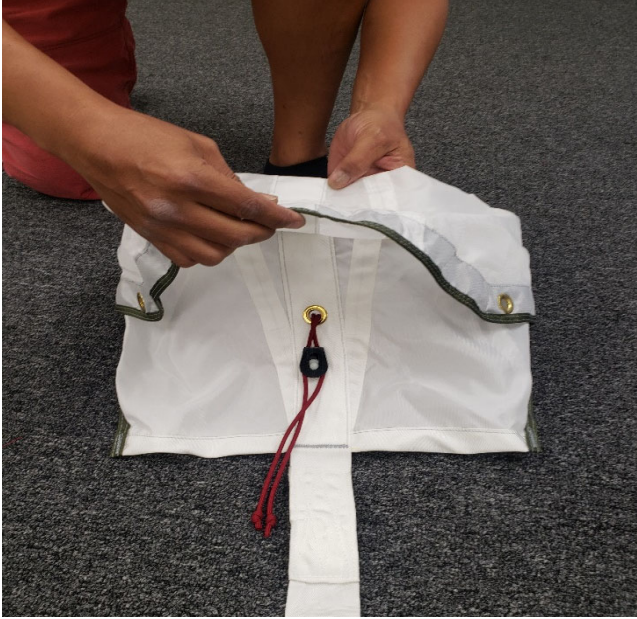
Repeat for opposite side



Prepare the reserve bag to receive the canopy.



Insert the locking pull-up cord into the center grommets and allow approx. 1" distance between grommets.



Roll mouth of reserve bag to the free stow channel to allow ease of canopy placement.



Perform the first S-fold, while controlling the slider grommets and line tension. Using packing paddles will greatly help this.



Once first S-fold is complete, the slider grommets should be placed approx. 1" behind fold line.



Press down and hold tension on lines and slider grommets in place.



Reach under cocooned canopy to fold over second S-fold.



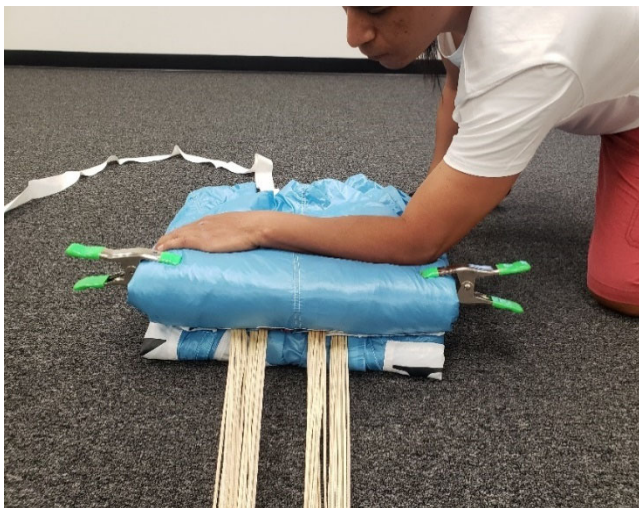
Ensure that nose folds are still rolled up and placed close to center. Dress center cell to the width of the pack job, covering the nose folds on each side.



Place the reserve bag in position above, and slightly underneath, the canopy.



Use a packing paddle to establish the fold line for the remaining S-fold.



Use a packing paddle to establish the fold line for the remaining S-fold.



Place knees to control pack and S-folds and remove packing paddles.



Follow the center seam to split the remaining part of the canopy into 2 ears. Spread the fabric and not roll fabric in front of the leading edge.



Pull pack the ear to make the first half dense and scrunch up the second half for a softer feel.



Insert ear into the reserve bag, repeating the steps for the opposite side of the canopy. Switching from side to side, move the entire canopy gradually into the reserve bag.



Use a needle fold of bridle material to secure one end of the safety stow allowing you make the first locking stow.



Turn the grommet inward such that the safety stow will pass through the smooth face of the grommet



Tuck side flap of bag inwards neatly enclosing the corner of the canopy and pass the safety stow through the smooth face of the bottom grommet.



Verify the following:

- The smooth face of the grommets will both face the same direction when correctly closed.
- Safety stow passing through both grommets correctly.
- The material between both grommets will fold inward forming a clean pocket like corner shape.



Make first locking stow.

Then shape reserve bag side flap to make a clean corner.

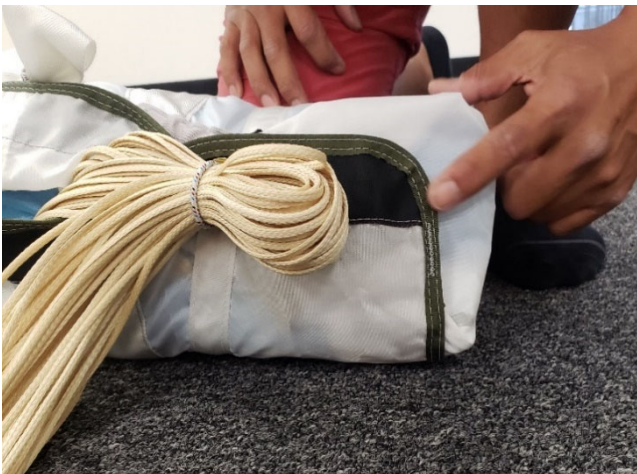
*Locking stows should be no shorter than 2" and no longer than 3" long.



With the locking stow in place, tuck the mouth of the reserve bag inward to organize the slack material found between the grommets. This forms the pocket like corner and provides a neat and clean appearance.



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View of reserve bag corner after organizing and dressing.



Repeat steps on the remaining side of reserve bag, locking stows should be equal in length* and corner of reserve bag should be tucked inwards forming a clean corner.

*



Open line stow pouch by separating Velcro tabs on both sides.



Stow the remainder of the suspension lines into the pouch on the underside of the bag using S-folds that extend completely from one side of the pouch to the other. Close the two Velcro tabs mating. Be sure none of the lines are trapped between the hook and loop fastener at the mouth of the pouch.



Place the risers to the sides of the reserve tray with the ends fanned to reduce bulk. Insert a pull-up cord in the reserve closing loop.

To complete the container closing procedure please refer to the Sigma Manual.