

SWIFT / SWIFT PLUS RESERVE MANUAL

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11 October 1991

The Rigger's Sourcebook
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San Diego, California
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Our Ref: D2314

SHACKLE TYPE LINK

The correct way to check the shackle is:



1. With a screwdriver, individually turn each screw clockwise and remove the left hand thread locking screw.



2. Now loosen the shackle arm anti-clockwise and remove it.



3. Reverse the above two steps to close and tighten the shackle.

DO NOT OVERTIGHTEN THE LOCKING SCREW AS IT WILL SHEAR

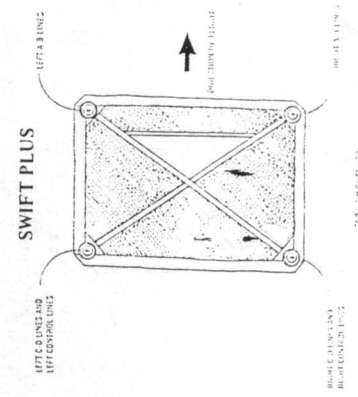
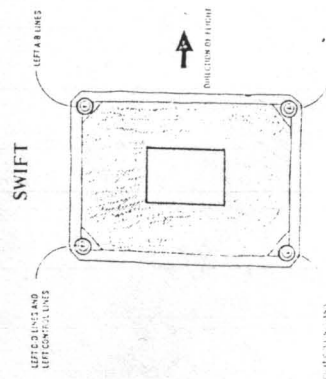
APPENDIX II

SLIDER INSTALLATION

The figures below show the correct installation of the sliders.

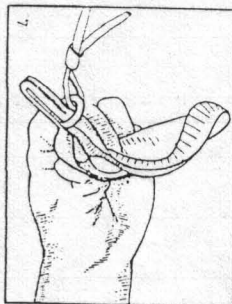
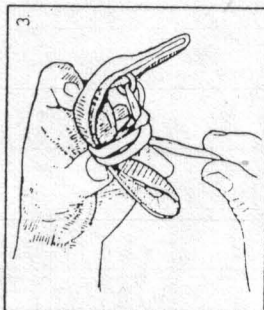
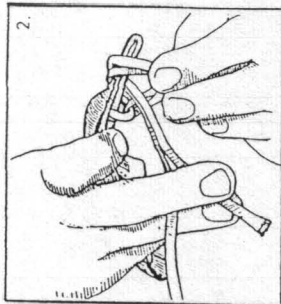
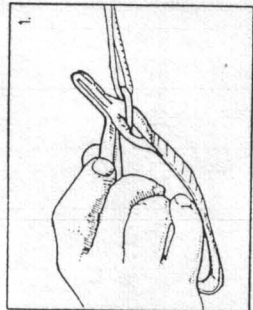
The reinforcing tape must be on the top facing the canopy.

When routing the steering lines, ensure that they pass through the correct grommets.



APPENDIX III

ATTACHING THE STEERING TOGGLES



1. After correctly routing the steering line, pass the end of the line through the small ring on the steering toggle. Place the trim mark on the toggle.

2. Double the loose end of the steering line back and tie an overhand knot to attach the toggle to the line. The knot must be on the ring side of the toggle. Check the position of the trim mark before tightening the knot.

3. Attach the other steering toggle using the same procedure.

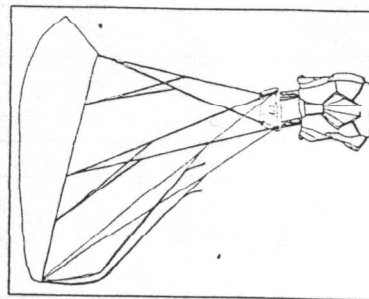
PACKING INSTRUCTIONS

THE SWIFT RESERVE MUST ONLY BE PACKED BY A QUALIFIED RIGGER/RESERVE PACKER.

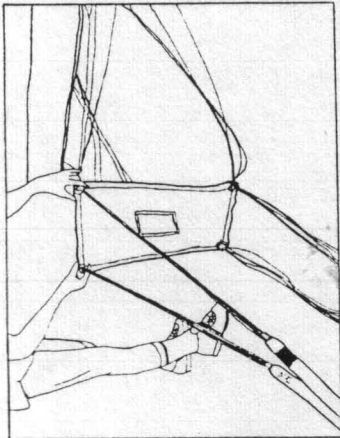
A. LAYING THE CANOPY OUT

After assembling and inspecting the Swift and the harness/container, lay the system out on a smooth, clean surface.

1. The container must be facing up and the risers toward the canopy. The nose of the canopy should be facing the right with the canopy lying on its left side. The slider must be down against the connector links.

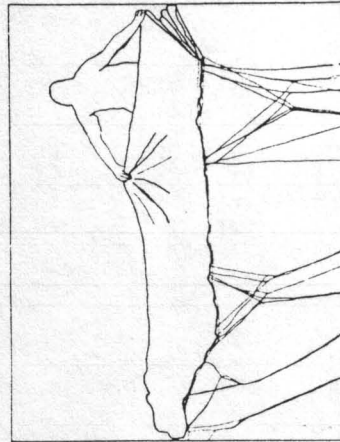


2. Clear the steering lines to ensure that they are routed correctly and re-check the suspension line continuity.



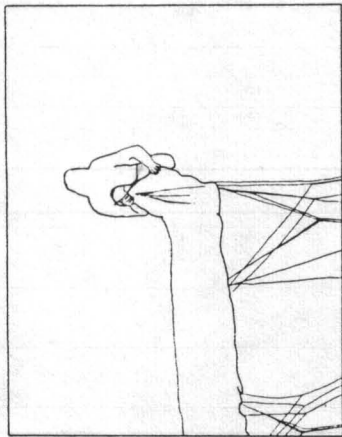
B. FLAKING THE CANOPY

1. Individually pull each of the top mid-seams away from the container until the lines are taut, flaking the canopy from nose to tail. Clear each of the nose cells.

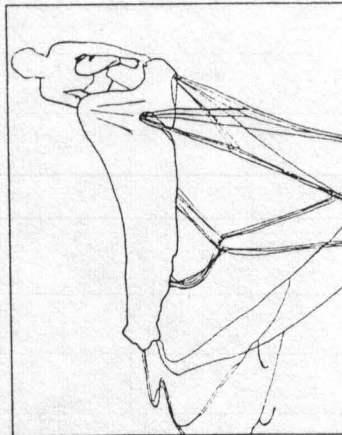


C. FOLDING THE CANOPY

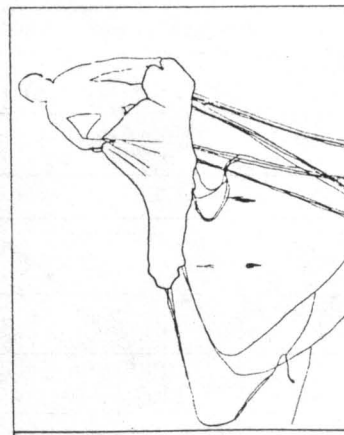
1. Move the A line group directly in line with the container and fold the nose under the canopy.



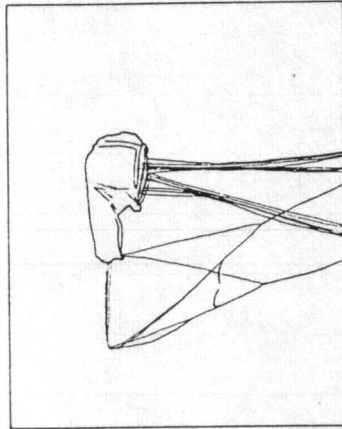
2. Keeping tension on the A line group, take the top mid-seams above the B line group and "S" fold the canopy to place the B line group on top of the A line group.



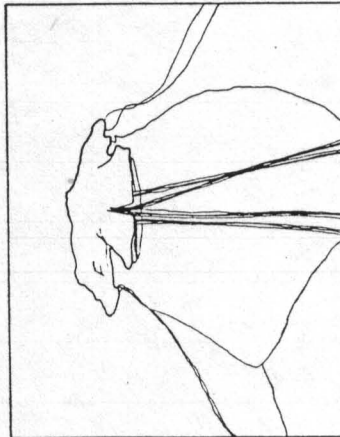
3. Repeat the above procedure with the C line group and then again with the D line group. Remember to keep even line tension.



All four suspension line groups are now stacked one on top of the other leaving the steering lines free.

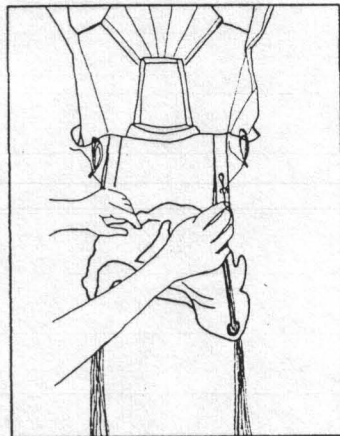
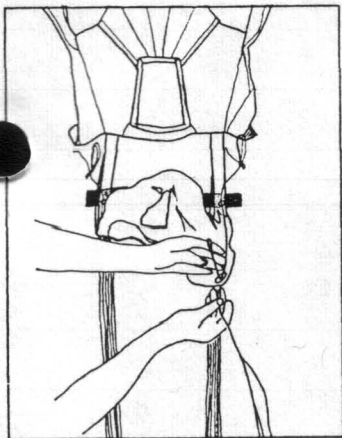


4. Separate the left and right steering line groups and lay them on their respective sides of the canopy. Check each line group for its correct routing.



D. SETTING THE DEPLOYMENT BRAKES (SWIFT RESERVE)

1. Start with the left steering line group and follow the centre steering line from the trailing edge of the canopy to the left rear riser clearing it of any twists.
2. Locate and thread the deployment brake loop through the left rear slider grommet and then through the steering line guide ring on the left rear riser.



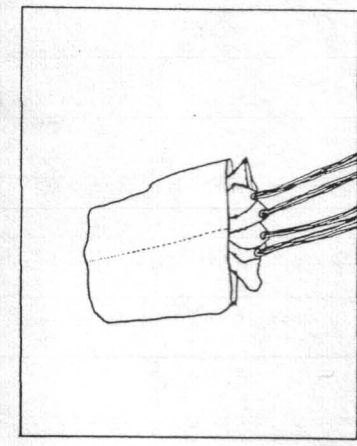
3. Lock the loop with the bar tacked end of the steering toggle.

Note: Insert approximately 20 mm of the toggle into the deployment brake loop. If the toggle is inserted too far, it will be difficult to release after deployment.

4. Hand tack the bar tacked end of the steering toggle to the rear riser with a single loop of doubled cotton thread with a tensile strength of less than 6 lb.

5. Pull the excess steering line out above the guide ring, fold and place this beside the toggle. Close the velcro cover securely.

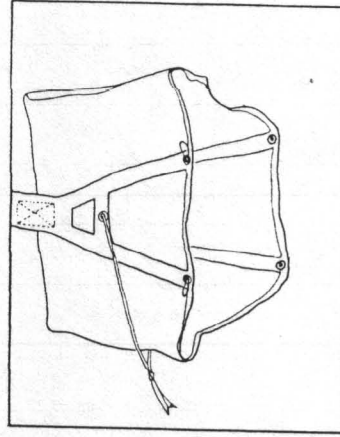
6. Repeat the above steps to set the right deployment brake (Steps D1 - D5).



I. FOLDING THE CANOPY INTO THE DEPLOYMENT BAG

Two methods are shown here to fold the Swift into the free bag deployment system. The first is the preferred method, although the second will also yield satisfactory results.

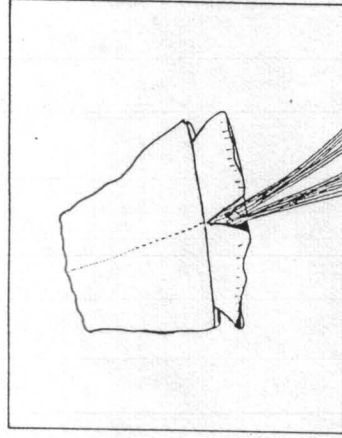
1. The free bag must first be prepared by inserting one end of a pull-up through both the grommets in the bag and tying it to the other end of the pull-up, to prevent it from slipping out.



2. Fold the bottom 20cm of the canopy towards the top.
3. Fold the slider back toward the container to make a fold 10cm long.

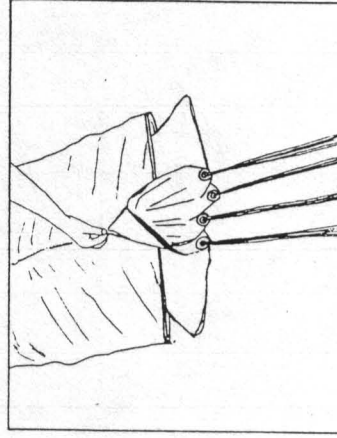
Note: The slider grommets are spread evenly to lessen the bulk of the pack.

2. Fold half of the tail back to expose the centre panel and spread it to cover the canopy.



G. STOWING THE SLIDER

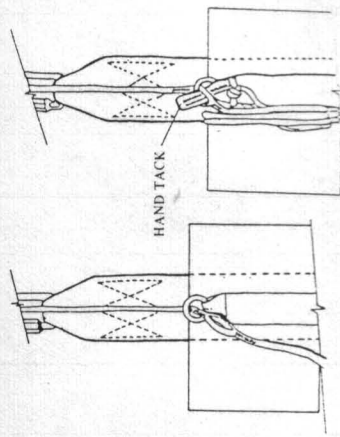
1. Pull the slider up to the slider stops.
2. Fold the stabilizers at a 45° angle towards the centre of the canopy.



H. DRESSING THE CANOPY

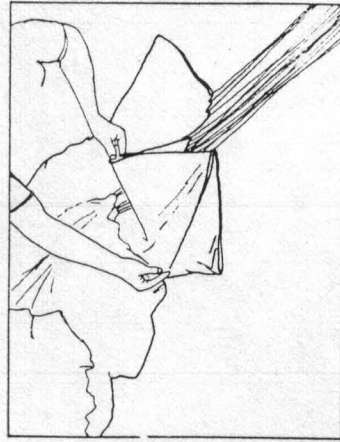
1. Wrap the centre panel around the canopy and dress to the approximate width of the bag.

Note: Do not wrap the centre panel around the nose of the canopy.



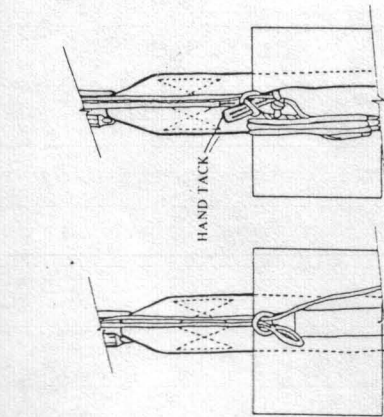
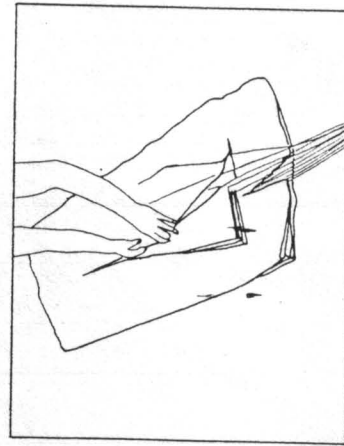
E. CLEARING THE STABILIZERS

1. Clear the stabilizers (3 on each side) pulling out the slack and ensuring that no lines are wrapped around them.



F. SPLITTING THE TAIL

1. Start with either the left or right side, flake the tail panels keeping the steering lines taut.



D. SETTING THE DEPLOYMENT BRAKES (SWIFT PLUS RESERVE)

1. Start with the left steering line group and follow the steering line to the trailing edge of the canopy to the left rear riser, clearing it of any twists. Ensure that it passes through the left rear slider grommet and the steering line guide ring, on the left rear riser.

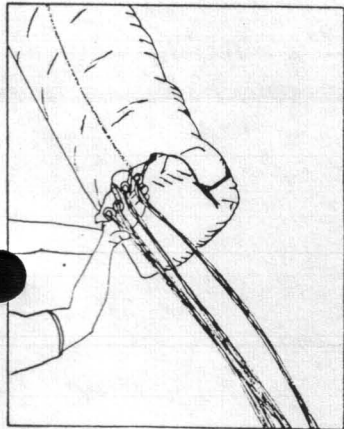
2. Pull the deployment brake loop through the steering line guide ring and lock the loop with the bar tacked end of the steering toggle.

Note: Insert approximately 20 mm of the toggle into the deployment brake loop. If the toggle is inserted too far, it will be difficult to release after deployment.

3. Hand tack the bar tacked end of the steering toggle to the rear riser with a single loop of doubled cotton thread, with a tensile strength of less than 6 lb.

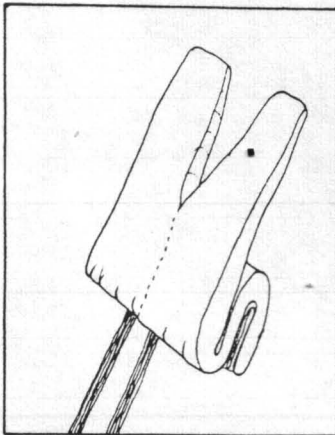
4. Pull out the excess steering line, fold and place this beside the toggle. Close the velcro cover securely.

5. Repeat the above steps to set the right deployment brake (Steps D1 - D4).

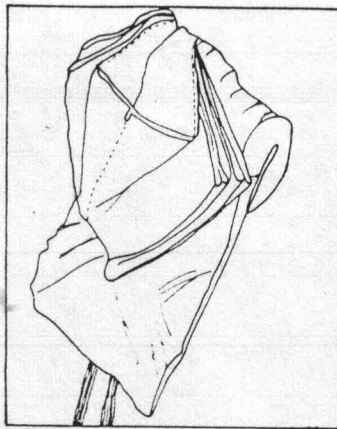


METHOD 1

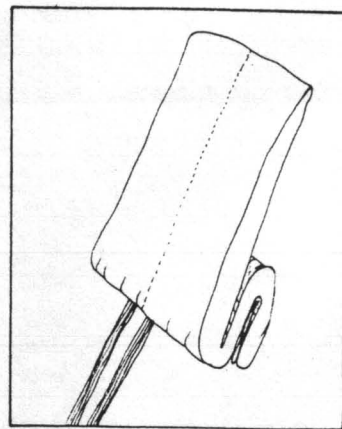
1. Neatly split the canopy down the centre from the top and dress each section neatly.
- Caution: Do not split the canopy too far.



4. Fold the top of the canopy towards the container, locate all the top mid-seams of the nose and ensure that they are exposed.



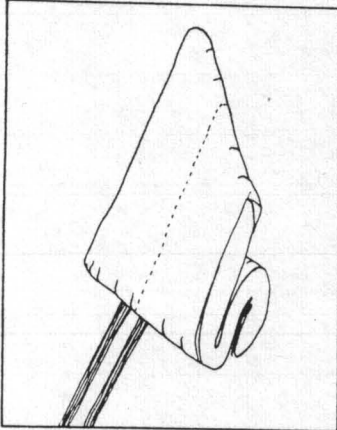
5. Fold the canopy back, making another fold on top of the previously made 10cm fold.



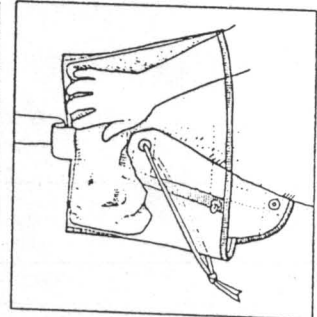
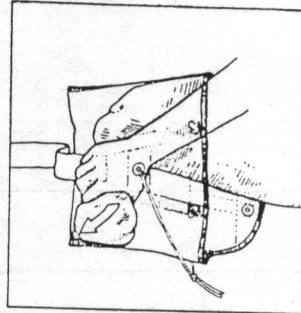
From this point the methods vary.

METHOD 2

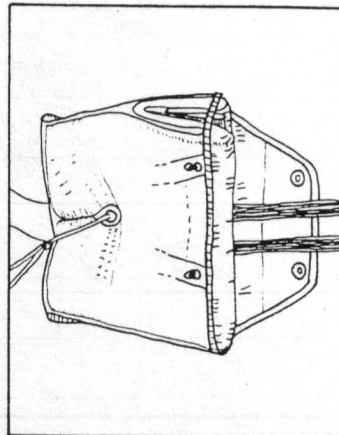
1. Fold the top right corner of the canopy across and under the left corner at a 45° angle.



2. Take the folded left corner of the canopy and from right of the pull-up cord, fill the top left corner of the bag.
3. Hold this left corner of the bag fast and reach over and under the canopy for the previously folded right corner. Manoeuvre this part of the canopy into the top right corner of the bag.

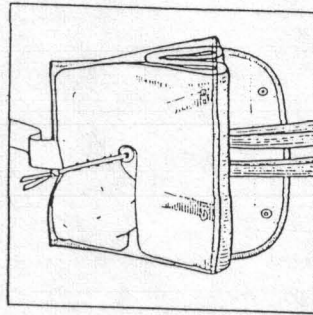
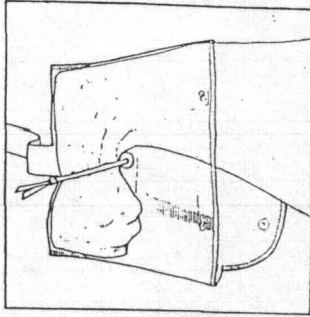


3. Continue with step J to stow the lines.



4. Tension the pull-up cord around the top S-fold until the top and bottom grommets are 20 - 25mm apart.

5. Place the rest of the stacked canopy into the bag.



6. Continue with step J to stow the lines.

J. STOWING THE SUSPENSION LINES

1. Close the bag with two locking stows. Make the bights 25 - 30mm long.

