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Emergency Parachute Manual

Seat Supplement
National 360-S, 425-S & 490-S
(TSO-C23b)

This supplement applies to all National Seats manufactured after July 1, 2010



NATIONAL – “Your One Last Chance”

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National Seat Parachute Supplement 360-S / 425-S / 490-S (TSO-C23b)

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PART NUMBERS:

PARACHUTE – HARNESS/CONTAINER ONLY

P/N: 81101-3G (360-S)	Seat Style
P/N: 81101-3G (425-S)	Seat Style
P/N: 81101-3G (490-S)	Seat Style

PARACHUTE – CANOPY ONLY

P/N: 81002-10	Phantom Aerostar 24
P/N: 81002-20	Phantom Aerostar 26
P/N: 81002-40	Phantom Aerostar 28

PILOT CHUTE

P/N: 81201-6D/PT	Magnum 357
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The following loop lengths apply for this seat parachute:

- ▶ 360-S with Phantom Aerostar 24 use 12.0" closing loop P/N 81101-28B.1
- ▶ 425-S with Phantom Aerostar 26 use 12.5" closing loop P/N 81101-28B.2
- ▶ 490-S with Phantom Aerostar 28 use 13.5" closing loop P/N 81101-28B.3

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Follow procedures in our standard packing instructions for back style parachute. Use text and pictures Step 1 through Step 9, then follow Step 10 as shown below.

Step 10 - Place risers neatly in channels provided on either side of back pad, mate Velcro carefully without catching lines. Bring risers through slotted corners on top flap and top internal staging flap.

Step 11 - Route risers to the inside of the pack tray. Install appropriate loop – see chart on Page 1.

Step 12 - Grasp canopy, keeping the line stows up. Rotate container 90° counter clockwise. Place diaper in the left hand corner with line stows facing up.

Step 13 - Make a short fold in the opposite corner off setting the bulk of the diaper. Make folds of canopy just slightly wider than the width of the tray to fill all corners properly. NOTE: Pull-up cords emerging towards top flap.



Step 14 - Make the next fold covering the diaper and the pull-up cords emerging between this fold and the return fold.

Step 15 - Make a full fold (to the left and back again to the right) on top of the previous fold.

Step 16 - Repeat above step with remaining canopy.

Step 17 - Depending on the size of the canopy (PH24, PH26 or PH28), tuck the apex part under or lay flat (as in this photo) and tuck only apex lines under, having bridle emerge towards center of canopy. Tie overhand knot in 1/8" diameter shock cord to prepare staging loop. Pre-set knot to ensure a 5/8" loop is emerging from rim of grommet. Install in center grommet of top internal staging flap. Pull force to release bridle from this loop should not exceed 8 lbs.



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Step 18 - Close top internal staging flap over folded canopy, insert pull-up cords through the two outside grommets and secure with two temporary closing pins. Slip the top staging flap end pockets over the folded canopy ends.

Step 19 - Insert a third pull-up cord in staging loop. Close bottom internal staging flap over folded canopy.

Step 20 - Pull staging loop through center grommet in bottom internal staging flap and secure with bridle needle fold. Needle fold is not to exceed 1". REMOVE PULL-UP CORD FROM SHOCK CORD STAGING LOOP. NOTE: There should be approximately 45-48" of bridle left after bridle needle fold is installed in staging loop. Insert the other two pull-up cords through respective grommets and secure with temporary closing pins.

Step 21 - Fold bridle on top kicker flap (bottom internal staging flap), insert pull-up cords through pilot chute bottom grommet tabs.



Step 22 - Push the pilot chute mesh into the pilot chute while compressing the pilot chute. NOTE: Insure the pilot chute mesh radial seam is compressed into the lower pilot chute spring. Pass the two pull-up cords through the upper pilot chute grommet tabs.

Step 23 - Carefully collapse the remaining pilot chute without disturbing the bridle and keeping pilot chute centered over kicker plate. Secure with temporary closing pins.

Step 24 - Close side flaps over compressed pilot chute and secure with temporary closing pins.

Step 25 - Close the bottom flap over the side flaps and compressed pilot chute. Secure with temporary closing pins.



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Step 26 - Close top flap and transfer the temporary closing pins to the ripcord pins. Make sure first pin (closest to the handle) is seated with at least part of the shoulder of the pin inside the ripcord housing. Secure with red safety thread and seal.

Step 27 - Close top protector flap and tuck the protector flap tuck tab under the top closing flap. Dress container for best appearance. Check ripcord handle for proper seating.

Step 28 - With a packing paddle, insert riser tuck tabs into the tray between the front risers and top inner staging flap.

Step 29 - Complete packing data into log and enter onto pack data card. The pack data card stow pocket is located on the right main lift web under the riser cover. This pocket also has the harness/container serial number and manufacturing date.



Step 30 - Reinsert pack data card into its stow pocket.

Step 31 - Slide pack data card stow pocket back under the right riser cover. Count all your packing tools.



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