



This document will review the key improvements incorporated into the neXgen Icon, which moved into full production with orders placed after July 1, 2013. We built several neXgen Icons through the spring as we moved through the final production samples and prototypes.

NeXgen Icons have a serial numbers with an IX as opposed to the prior Icons which began with IN.

WELCOME

1/ Let's begin with the leg pads. We have changed the geometry of the leg pads to improve the fit. The change removes the typical crease at the back of the leg pad when worn by a jumper.

We have also widened the leg pad across the back of the leg for improved comfort, and narrowed it as it comes into the groin area. The photos below show the before and after:



PRIOR ICON



THE NEXGEN ICON

2/ We have also moved the hook knife location from the back of the leg strap to the front. This makes it more visible and less susceptible to accidentally being released when a leg strap grip is taken. And of course, we continue to supply the best hook knife in the industry, manufactured in the USA by Benchmade®. It incorporates an Oxygen bottle key, and a beverage opener, as well as a razor sharp hardened steel blade.



3/ Moving up into the rig, we've redesigned the backpad, and incorporated an innovative pocket in the small of the back. The pocket holds the packing data card on one side and has the tso label on the other, easily accessible and secure.



4/ We have made the main pin cover flap a separate piece that is now easily replaceable.



5/ We have changed the construction of our riser blocks (which protect the corners of the reserve tray from catching a line on deployment). The new design is less rigid but still provides best in the industry protection.



6/ Main deployment bag.

On the smaller Icons, sizes I1-I3, we have changed to a three grommet deployment bag. This pulls the lines inboard and makes for a cleaner pack into the main tray. The larger Icons maintain the four grommet bag.



7/ Ring Covers.

We have modified the ring covers to a lower profile, and made them more easily replaceable.



8/ Left side cutaway housing moved from inboard to outboard placement. This sends the housing away from the jumpers face in the event of a cutaway.



9/ RSL lanyard retainer.

We have redesigned our retainer to eliminate the Velcro. We have also simplified the tuck of the RSL slack, so that it stows in the housing sleeve.



10/ Reserve container.

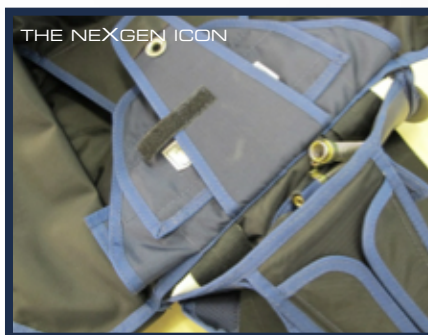
We have made a number of minor changes to the reserve area; we will list these here:

10a/ Access for placing the reserve closing loop and the AAD control unit. In the prior Icon, this access was through the top of the tray at the yoke, and was at times very tight, particularly on the smaller rigs. The AAD cable was in the same space as the RSL cable and several housings. In the neXgen Icon, this access is in the reserve tray through an opening under a small flap and provides better access and less congested space. The three photos below show the prior Icon setup in the first photo and the neXgen Icon in the other two, the yoke area and then the access slot in the tray underneath.

10b/ Reserve tray lining. We have lined the reserve tray in the neXgen Icon with parapak to minimize bag extraction forces.

10c/ Reserve kick plate. We have moved from the rectangular kick plate to a 5 inch round kick plate for the reserve pilot chute in the neXgen Icon. This change in size and shape makes a stronger plate which is more difficult to bend than the prior kickplate.

10d/ Reserve side flaps. We have lowered the reserve side flaps so that they are now even with the top of the tray. We have also raised the inboard side so they have a smaller gap than the prior Icon at the top of the reserve.



10e/ Reserve deployment bag.

We have extended the buffer around the Velcro to provide extra protection for the reserve lines.



10f/ New Reserve Pins. We've moved to a cold forged stainless steel pin with a sharper point on the neXgen Icons. It's stronger and more difficult to bend, and the sharper point makes it easier to feed into the closing loop.



10g/ New closing flap order. We've changed the order on the closing flaps, making the top reserve flap the final one, versus the bottom flap on the prior Icon. This makes the reserve pin lie flat rather than angling up from the lower flap to the higher flap. This lessens the need for pin protection, as the lower flap pocket now provides additional protection. We have kept a pin protector, but it is now a simple piece of webbing versus the more complex one on the prior Icon.



11/ Magnetic Riser Covers. The neXgen Icon incorporates the most sophisticated magnetic riser covers in the marketplace. The magnets are placed into the rig during final inspection, with no sewing required. If the magnetic riser cover option is chosen, the rig will come with two sets of magnets on each side. These have proven effective to 245 miles an hour, making them sufficient for all belly, wingsuit and freefly disciplines. If customers want to pursue speed skydiving, then a third set of magnets can be added with no modification to the rig. We use square magnets and a stiffener behind them to minimize the rings of dirt that we've seen over time on competitor's rigs with magnets.

Our system uses a pocket on top and a tuck tab below. The top pocket and the tuck tab each incorporate magnets.

12/ Introducing the neXgen Icon Long in sizes I1 through I4. We have added a long version of the Icon built to accommodate taller jumpers, or those who just prefer a longer and narrower rig. This places the bottom of the rig, and the deployment device lower on the jumper's back. The Icon L uses a 19 inch back pad. The standard Icon back pad is 15 inches on an I1 and 17 inches on an I4. Thus the L version is 4 inches longer on an I1 and 2 inches longer on an I4.

That's it for the big changes. In addition, we've done some sculpting to improve the overall look and feel of the rig. As you can see, we've put a lot of work into this project. Hopefully you are as excited about the new neXgen Icon as we are!!!



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