

# Modular Accessories and Hardware Installation



RAVEN  
Concealment Systems

## Please Note:

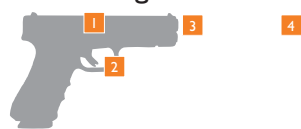


## User Warnings:

1. Always follow the four basic firearm safety rules.
2. Ensure a proper fit to your firearm before using the an RCS product.
3. Always test and/or adjust your RCS product with an unloaded weapon prior to using it with a loaded weapon.

## The four basic firearm safety rules:

1. Treat all guns as if they are loaded
2. Keep your fingers outside of the trigger guard until you are ready to fire
3. Never let the muzzle cross anything you are not willing to kill, destroy, or purchase.
4. Always know your target, its foreground and background.



These instructions are meant to help you assemble or reconfigure your Phantom Modular Holster and Modular Carrier. With the number of options we offer there are hundreds of possible carry configurations. This manual is meant to give you some general guidelines along with some specific product instructions. We encourage you to “play” with our products to find the best possible carry configuration for your needs. Always follow the four cardinal firearm safety rules and make sure to test and try on your gear with an unloaded weapon prior to using it with a loaded weapon.

## General Guidelines

Every joint in our modular system uses three basic hardware components: An 8/32 Machine Screw, an O-ring, and a threaded post. Most accessories will mount at two points with these components. These are the general rules when assembling every joint (see Fig. 1):

- Machine screws should always seat against a metal eyelet, never against bare Kydex or polymer. If the tapered head of a screw is tightened down on bare plastic, it may crack or pull through the plastic. If both the accessory and the holster/carrier have a metal eyelet installed in the mounting hole, you can run the screw in from either side.
- O-rings should always sandwich between the accessory and the holster/carrier. These act as basic lock-washers for the hardware joint and as shock absorbers between the accessory and holster/carrier.
- Threaded posts should always seat against bare Kydex or polymer. The flat head of the post will prevent it from damaging or pulling through the bare plastic of the accessory or holster. If the joint has metal eyelets in both mounting holes, the post can be mounted from either side.
- Thread locking compound should be applied to every joint once a configuration is settled on. As you wear these products they will be subject to flexing and stress as you move about. That small movement

can back your hardware out over time and cause a failure. You should inspect your gear for loose joints regularly in any case, but thread locking compound will give you some added insurance against lost hardware or equipment failure.

Failure to follow these basic guidelines may result in lost or damaged equipment.

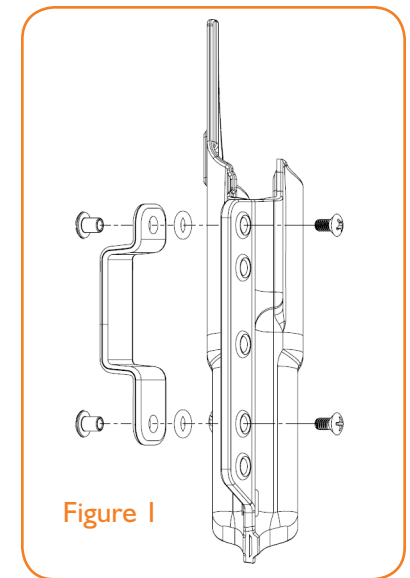


Figure 1

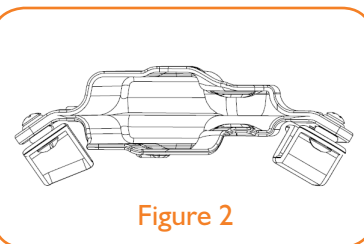


Figure 2

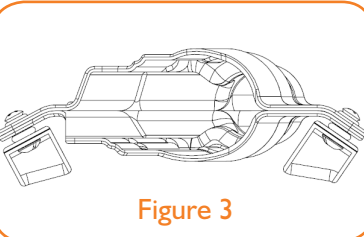


Figure 3

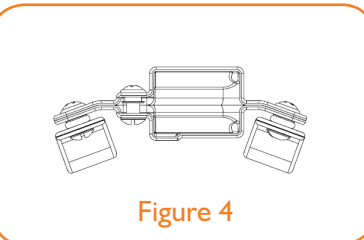


Figure 4

## Standard OWB Belt Loops

Most customers order Phantom Holsters and Modular Carriers with our standard belt loops. These loops were specifically designed and tailored to our pancake style products. They come in three sizes (1.25", 1.5", 1.75") and three “angles” (flat, short, tall) depending on the holster or carrier application. 1.25" and 1.5" loops are asymmetrical and have an “up and down” – the Raven logo on the loop points UP. The 1.75" loops are symmetrical and have no up or down – A good rule of thumb is to place the loop so the Raven logo points toward the center of the holster.

Most Phantom Modular Holsters have a five-hole eyelet pattern on the lead and trail seam of the holster. This allows you to mount your belt loops in a “high” and “low” position. By changing this position on each seam you can increase or decrease the amount of cant your holster has by about five degrees in each direction. Or you can adjust the ride of your holster up or down by about ¼". By experimenting with these different mounting points you can fine tune the holster to work best for you.

• **Phantom Modular Holsters (see Fig. 1, 2):** Holsters made for use without a weapon light will come with two belt loops in your chosen size. One will be a “flat” and one will be a “short” angle. The short angle loop will mount to the lead seam of the holster

(seam closest to belt buckle) with the tallest part of the loop facing the molded outline of the weapon. The flat loop will mount to the trail seam of the holster (seam closest to the center of your back).

• **Phantom Light Compatible Holsters (see Fig. 1, 3):** Holsters made for use with a weapon light will come with two belt loops in your chosen size. One will be a “short” angle and one will be a “tall” angle. To tell which is which, lay them flat on a surface next to each other. One will be taller than the other, which is the “tall” angle loop. The short loop will mount on the lead seam of the holster (closest to the belt buckle) with the tallest part of the loop facing the molded outline of the weapon. The tall loop will mount on the trail seam of the holster (seam closest to the center of your back) with the tallest part of the loop facing the molded outline of the weapon.

• **Modular Magazine and Cuff Carriers (see Fig. 1, 4):** These will come with two identical “flat” loops that can be mounted to both the lead and trail seam of the carrier.

• **Modular Light Carriers (Bezel Down):** These will come with two opposite shaped “short” angle loops. They should be mounted with the tallest part of the loop facing the molded outline of the light.

Be sure and follow the general hardware installation guidelines and NEVER seat a screw into a belt loop. You can split or damage the loop. Always ensure a slotted post seats against the belt loop (see Fig. 1)

## OWB Quick Mount Straps (QMS)

(See Fig. 5, 6) These come in pairs and are adjustable to fit 1.25", 1.5" and 1.75" belts. The loops mount to the center or third-down eyelet. Choose the hole in the loop that corresponds to your belt size. Lay the loop against the inside face of the holster with the female snap sockets facing you on the long tail pointing down. Install a post through the hole in the strap and secure it with a screw through the outside face of the holster. Next, mount a male snap on the top top eyelet on the inside face of the holster. The post will insert trough the outside face and mate with the screw through the center of the male snap. Now mount the other male snap on the outside face of the holster in the second eyelet in the same way.

To mount them to your belt, start by releasing the buckle to give yourself some slack. Thread the front/lead QMS up behind the belt. Place the first female cap on the inside male snap and roll it up from the bottom to secure it. Now roll the rest of the QMS over the top corner and secure it to the male snap on the outside face of the holster. Now repeat with the rear/trail QMS, adjust the holster to the final position on the belt and tighten the belt.

We use mil-spec Pull-the-Dot Snaps on our products. These snaps can be difficult to use when new. See below for special instructions for Pull-the-Dot Snaps.

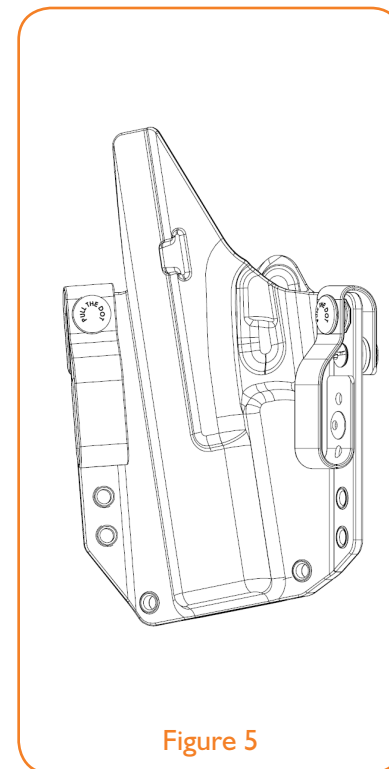


Figure 5

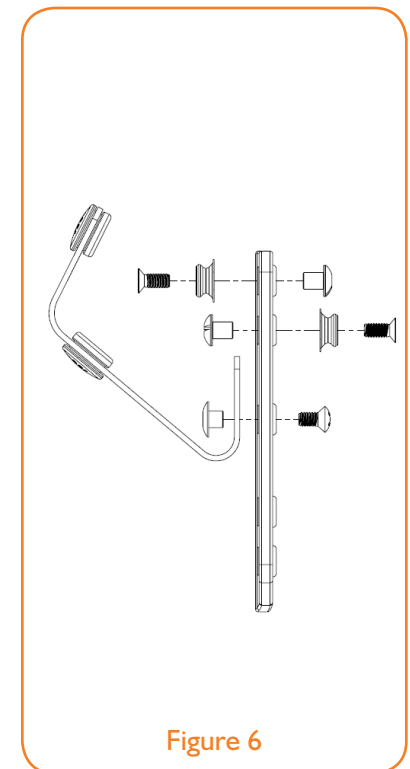


Figure 6

## OWB Pancake Wings

(See Fig. 7) Pancake wings are sold in four belt sizes (1.25", 1.5", 1.75" and 2"). They are sold in matched pairs. Pancake wings can be mounted in any position they will fit on the holsters, both the inside and outside face. Just make sure to follow the general hardware installation guidelines and NEVER seat a screw into a pancake wing. You can split or damage the pancake wing. Always ensure a slotted post seats against the wing.

## OWB Soft Loop Wings

These come in pairs and can be mounted to the second and third or third and fourth pair of eyelets on both the lead and trail seam. They can be mounted to the inside or outside face of the holster to change the ride characteristics.

We use mil-spec Pull-the-Dot Snaps on our products. These snaps can be difficult to use when new. See below for special instructions for Pull-the-Dot Snaps .

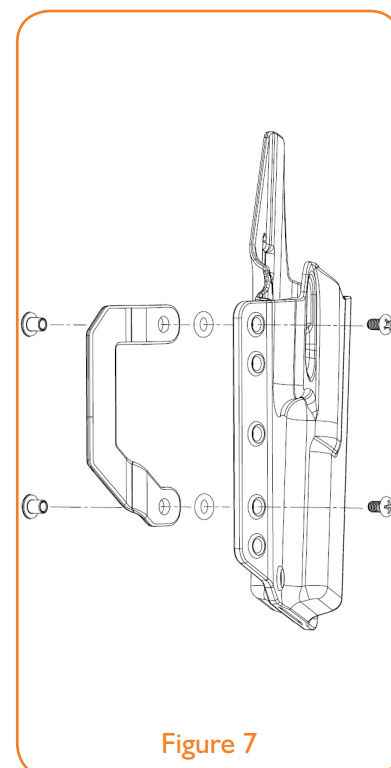


Figure 7

## IWB Soft Loops

(See Fig. 8) These loops are made to fit 1.25", 1.5" and 1.75" belts. Select the mounting hole that fits your belt and use the included hardware to mount the soft loop to your holster/carrier. You can choose to mount the loop in the first (top) eyelet or the second eyelet. By offsetting the placement you can adjust the cant of the holster/carrier by plus or minus five degrees.

All needed hardware is included with your soft loops. The post should seat against the inside face of the product. Place the soft loop against the outside face of the holster with the open side of the female snap facing out. Next, place the male snap over the selected belt size hole in the loop and run the flat machine screw through the assembly and into the post.

We use mil-spec Pull-the-Dot Snaps on our products. These snaps can be difficult to use when new. See below for special instructions for Pull-the-Dot Snaps.

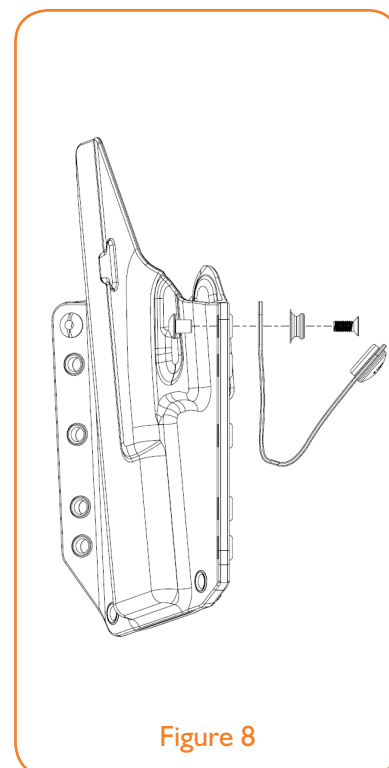


Figure 8

## IWB Tuckable Soft Loops

(See Fig. 9) These come with two main components: An injection molded strut and an IWB Soft Loop. All hardware needed to mount the soft loop is included.

First, mount the soft loop to the strut. You can select the mounting hole that matches your belt size in the soft loop and then choose one of the three mounting positions in the strut to mount the loop. By changing the mounting point of the soft loop you can adjust the ride height and cant of the system. The post mounts against the inside face of the strut, place the loop against the outside face with the open side of the female snap facing out, then place the male snap and run the machine screw through the assembly into the post.

Now, mount the strut to the holster. The strut has three mounting holes and these allow two ride height mounting points on the bottom two eyelets of the holster. By moving the strut up or down on the lead and trail seam of the holster you can further adjust the ride height and cant of the system. Select your mounting position and follow the general mounting guidelines outlined above.

Please note: Mini Phantom Holsters and most Modular Carriers have a “four hole” eyelet pattern (as opposed to a five hole). If your product has a four hole pattern, you’ll need to use our Offset Wings

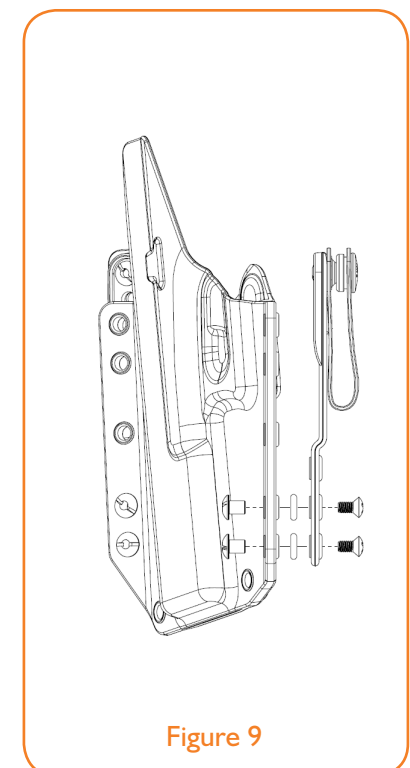


Figure 9

for a proper mounting of your Tuckable Soft Loops. Otherwise your Tuckable Soft Loops will need to mount at a single point on the product. This can be done, but you must use thread locking compound for a single point configuration and check your gear every day for rotation and loosening.

We use mil-spec Pull-the-Dot Snaps on our products. These snaps can be difficult to use when new. See below for special instructions for Pull-the-Dot Snaps.

## IWB Tuckable Soft Loops with Offset Wings

This option comes with everything included with the Tuckable Soft Loops plus a set of polymer wings. The wings mount to the holster or carrier shell and the Tuckable Soft Loop struts then mount to the wings. This widens the footprint of the system on the belt and provides for more stability and a thinner profile. They also make it easier to tuck a cover garment in over the system.

The wings are not symmetrical with a closely spaced and wider spaced set of attachment points. Use the wider spaced mounting holes and line them up with the center and second from the bottom (or bottom) eyelets in the holster shell. You can mount the wings on the inside or outside face of the holster and the angled edge can face up or down to adjust the ride

height and cant of the system. Follow the general guidelines above for mounting them to the shell, failure to follow the guidelines can result in damage or failure of the wings.

Once the wings are mounted you can attach the Tuckable Soft Loop struts to the wings. You can choose a high or low mounting configuration to adjust the ride height and cant. You can further fine tune the height and cant by moving the lead and trail soft loop up or down in the three holes at the top of the strut.

We use mil-spec Pull-the-Dot Snaps on our products. These snaps can be difficult to use when new. See below for special instructions for Pull-the-Dot Snaps.

## Pull-the-Dot™ Snap Instructions

We use Mil-Spec, Pull-the-Dot snap fasteners on our soft loops. These are directional snaps and will only open or close in a certain direction. This feature prevents the snaps from opening when the being worn on the belt, but will allow you to unsnap them easily to remove the holster. These snaps can be very difficult to open and/or close when new and may require a break in period. The following instructions will help you use the snaps



Figure 10

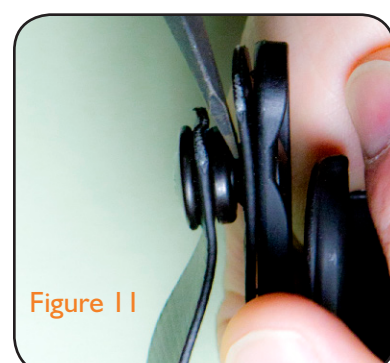


Figure 11

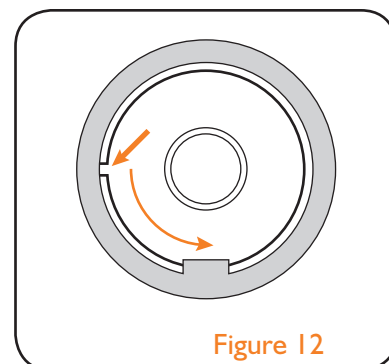


Figure 12

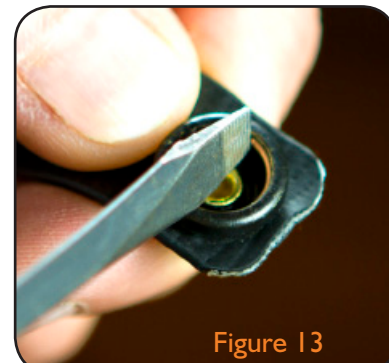


Figure 13

and trouble shoot some common issues we’ve found with new snaps.

Pull-the-Dot snaps are directional. They will only snap by hooking the bottom of the female socket on the male snap and rolling up. To un-snap, apply outward pressure on the top edge of the female socket (where the dot is on the cap) and it will release from the male snap. (Fig. 10)

If you can not open the snaps by hand when new, use a flathead screw driver or similar tool and place it between the female socket and male snap at the top of the snap (where the dot is on the cap). Twist the screwdriver and the two halves should separate easily. Once unsnapped, ensure the screw in the male side is tight. Repeat this process until the two can be easily unsnapped by hand. A drop of oil on the male snap can also help. (Fig. 11)

If it is very difficult to close the snap by hand when new, first make sure the screw in the male snap is tight. Then, look inside the female cap. There is a ring of metal around the inside of the cap. There is a split in this ring (Fig. 12). The sharp edges of this split can bind on the male snap and prevent you from closing the snap. Using a flathead screwdriver or similar tool, rotate the split around until it is next to the metal band that holds the ring in the cap (Fig. 13). Once the split is in this position, you should be able to close the snap by hand.



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For more information

or questions go to:

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