



1 Johnson Avenue  
Matawan, NJ 07747  
1-800-405-9048  
sales.info@gemtor.com  
www.gemtor.com

## **Installing Attachment Points on Bunker Pants for the Gemtor Fire Service Harnesses**

Often firefighters look to retrofit their personal protective gear to accommodate the Gemtor 541NYC/546NYC Personal Harness. This benefits the firefighter by allowing the gear to be put on rapidly and by keeping the harness pre-adjusted and in place for more comfort while operating. When stepping into the pants the firefighter simply pulls them up into position and then closes the flap of the pants according to the manufacturer's instructions. Then the firefighter secures the snap hook on the harness to the D-ring located in either the left or right hip area.

It is recommended that all modifications to turnout gear be approved by the original manufacturer of the garment. The person or company performing these modifications should be recognized by the manufacturer and follow all of their guidelines. This includes utilization of the proper thread and material to avoid compromise to the garment.

To attach the harness to the pants, a series of loops are sewn into the waist band and on the legs of the bunker pants. These loops are to be sized to encapsulate webbing that is 1¾" wide. The loops should be at least ¾" wide and be affixed to the pants by being sewn at the bottom of the loop and by a snap closure or other method at the top. The loops on the waist band should be located in a manner that does not limit functionality of the harness or interfere with the closure of the pants.



**If the installer of the loops is utilizing Velcro™ or similar hook and loop material, it is imperative that the “hook” portion of the assembly does not come in contact with the webbing material on the harness.**

The Fire Service Harnesses are available with either a left or right side closure. This may dictate where the attachment points need to be installed. Also, as these are personal harnesses, the final adjustment made by the user should be known prior to attaching the loops.

**Note:** Installation of loops must not impede movement of the sliding D-Ring used as the attachment point for an escape system.

