

Instructions for DUI SI-5 Dry Gloves Ring Mount

Thank you for purchasing the DUI SI-5 Dry Glove System. This unique set of dry gloves uses a special sealing system to keep your hands warm and dry. The advantages of this system are:

- The gloves are unusually rugged, much more rugged than comparable latex gloves.
- The gloves can be installed on the suit and left in position.
- The gloves are easily replaced in the field and can be repaired if needed.
- When required, the gloves can be replaced with wrist seals.
- The gloves seal to the cuff of the suit, eliminating the need for a wrist seal. This improves circulation to the hands, keeping the hands warmer.
- There is no need to take extra steps during set-up or the dive itself to equalize the gloves.
- The level of insulation in the gloves can be easily changed to match the water temperature.

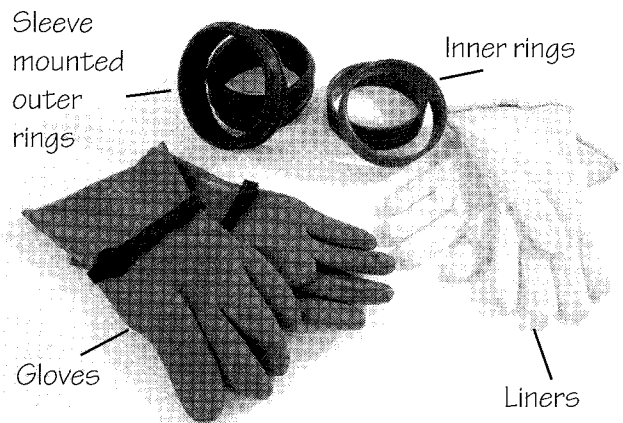
Please read through these instructions thoroughly before attempting to install or use your SI-5 Dry Glove System.

⚠ DANGER: Improper assembly of this SI-5 Dry Glove System can lead to glove failure and suit flooding. This can cause a critical loss of body heat (hypothermia), loss of buoyancy, and drowning, leading to death.

What's Included in the SI-5 Dry Glove System?

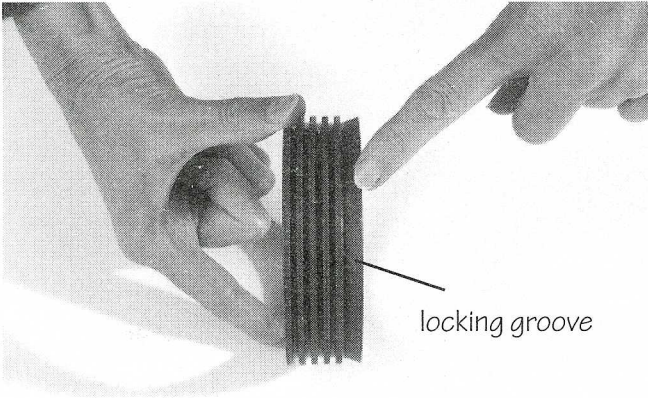
Your SI-5 Dry Glove System consists of the following:

- 2 ea. Sleeve mounted outer rings: factory or dealer installed on your dry suit.
- 1 pairs of glove shells with wrist straps.
- 1 pairs of insulating liners.
- 2 inner plastic wrist rings

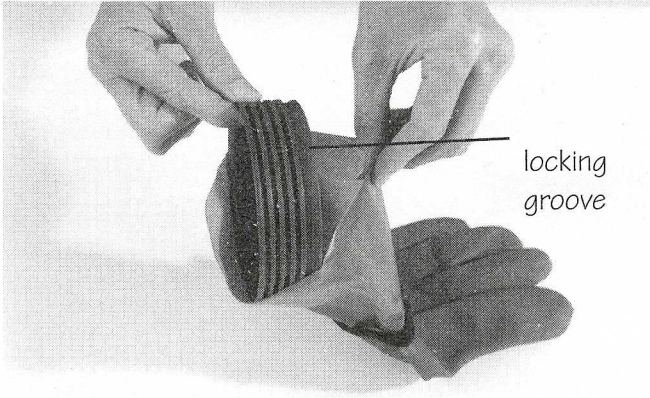


Components of the SI-5 Dry Glove System.

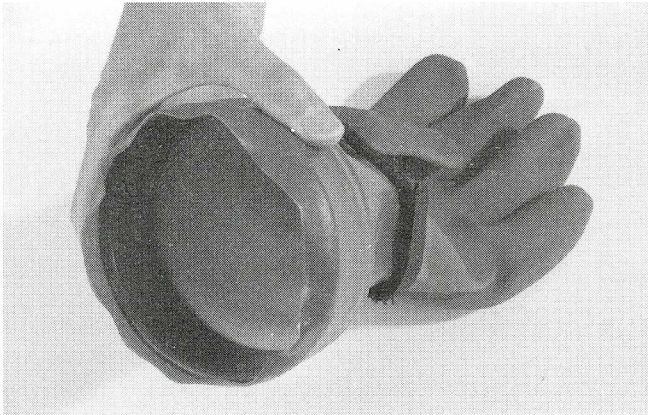
Instructions for Installing Your SI-5 Dry Glove



Step #1: Pick up one of the inner rings and hold it in your hand so that the large groove is facing away from the palm of your hand.



Step #2: Slide the cuff of the glove over the inner ring and position the ring inside the cuff so it holds the cuff open.



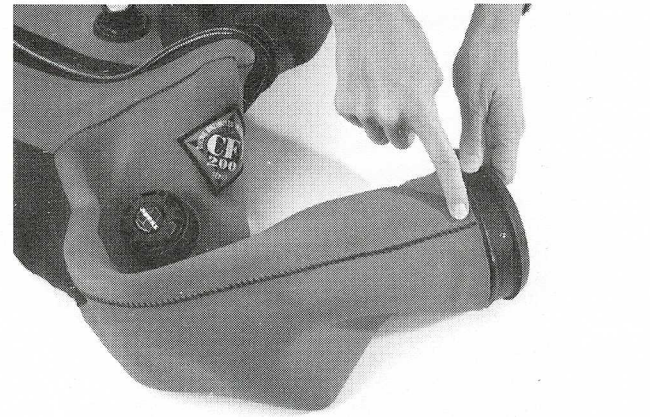
Step #3: When the inner ring is properly positioned, you should be able to easily insert your hand into the glove.



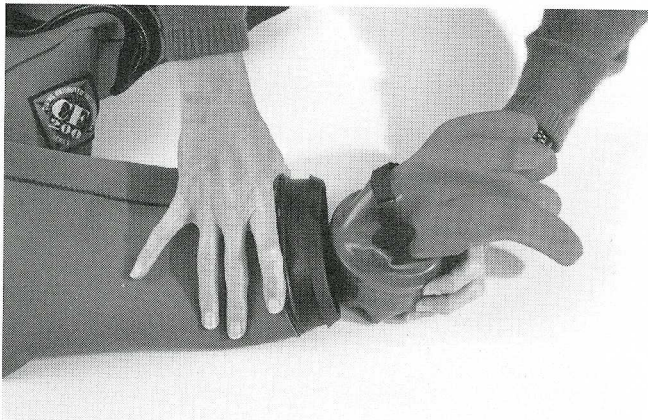
Note: The bottom end of the ring should be positioned about one half to three quarters of an inch from the opening of the glove.



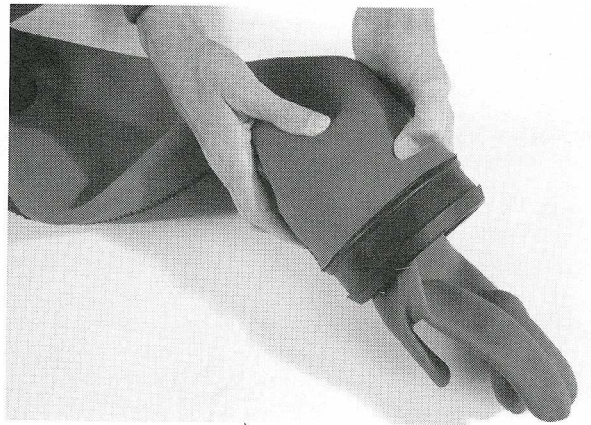
Step #4: Apply a dilute solution of soapy water to the outside of the glove where the inner ring is positioned and to the inside of the outer ring.



Step #5: The glove should be installed so that the palm of the glove faces the seam on the sleeve. Note the position of the seam. Be sure to check that you are putting the right glove on the right sleeve.



Step #6: Push down on the outer ring until the opening is oval shaped. Slide the ring and glove assembly through the outer ring.



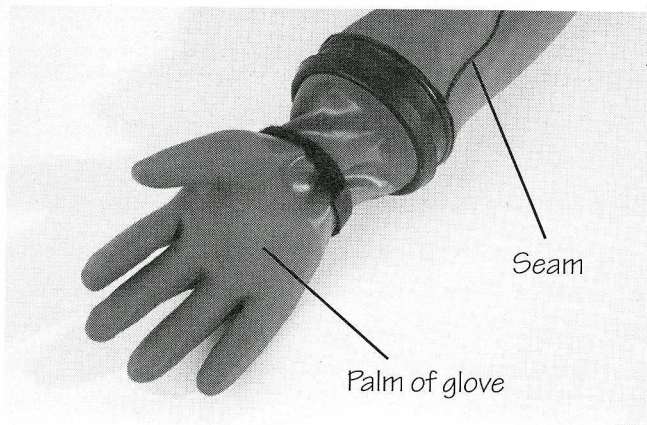
Step #7: Once the glove/ring assembly have passed through the outer ring, turn the inner ring so it is parallel to the outer ring.



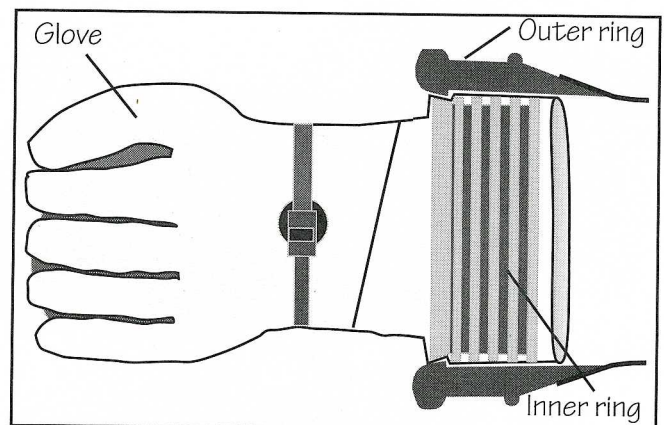
Step #8: Push the inner ring and glove towards the outer ring until the inner ring snaps into the locked position inside the outer ring.



Step #9: Make sure that the inner ring is firmly locked in position, all the way around.



Step #10: Check to see that the glove is properly oriented on the sleeve. If it is not, disassemble and reinstall. Pull on the glove to make sure it is securely attached.



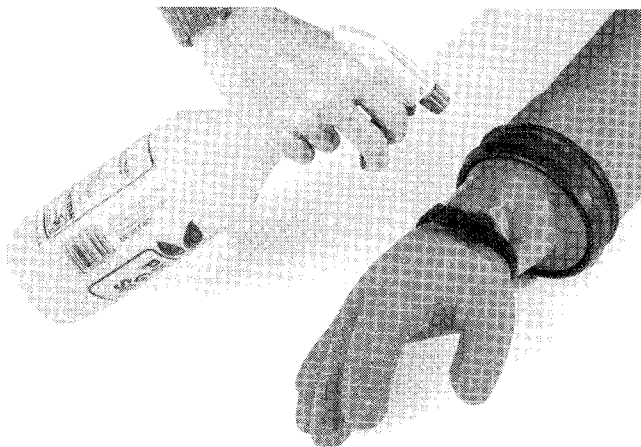
Cutaway of glove and sleeve.

⚠ DANGER: Check the gloves carefully after installation. Improper installation could cause the glove to separate from the suit. This could lead to flooding, thermal shock, and a loss of buoyancy control.

Leak Testing

Before diving with your SI-5 Gloves for the first time, they should be leak tested. The procedure is as follows:

- 1) Close the zipper on your dry suit.
- 2) Twist your neck seal closed and use a heavy duty rubber band to seal it off.
- 3) Attach your regulator to a scuba cylinder and connect your inflator hose to your suit. Inflate your suit until it is stiff.
- 4) Use a spray bottle of soapy water and spray it on the dry gloves where they connect to the suit.
- 5) Look for leaks and also listen for them. If leaks exist, disassemble the gloves and reassemble them properly to correct the problem.



Be sure to leak test your SI-5 Glove System before using it underwater for the first time, or any time you think they may be damaged.

Diving with Your SI-5 Dry Glove System

Before donning your dry suit, be sure to don the right level of insulation for use with your SI-5 Dry Glove System. The gloves themselves have no insulation value, they are designed only to keep your hands dry. Proper insulation is essential to keep your hands warm.

Be sure to tighten the wrist straps on the SI-5 gloves until they are comfortably snug.

⚠ WARNING: Be sure to tighten the wrist strap on your SI-5 gloves. Failure to properly secure the strap(s) could lead to ballooning of the gloves. If this happens, there will be a loss of manual dexterity with an inability to control the diver's equipment. This could lead to a loss of buoyancy control.

Entering the Water

If you are performing a jump entry from a height, never enter the water with your hands above your head. If this is done, air can rush up the sleeve and cause the glove to pop off.

⚠ DANGER: Never jump into the water with your hands held above your head. This can cause the gloves to pop off the suit. If this happens the suit will flood, leading to thermal shock, and a loss of buoyancy. Death may result.

Unlike other dry glove systems, there is no need to equalize the gloves during descent, because the gloves are open to the entire suit. Just dive as you normally would.

Although the SI-5 gloves are very rugged, some care should be taken to avoid puncturing the gloves. If you dive on shipwrecks or other places where sharp objects may cut or puncture the gloves, you may want to wear an outer pair of protective gloves over the

⚠ WARNING: Take care to protect your SI-5 gloves from damage. Puncturing the gloves will allow water to enter your dry suit. This could lead to thermal shock from cold water and a loss of buoyancy control. Drowning could result.

Ascending from Your Dive

As you return to the surface at the end of your dive, be sure to keep your hands below your shoulders. If this is not done, the air in the gloves will expand as you rise through the water and could cause the gloves to separate from your suit. If the gloves start to become over-inflated immediately lower them.

⚠ DANGER: Never allow your SI-5 dry gloves to become over-inflated. If this happens, the gloves could separate from the dry suit. Flooding would result as well as thermal shock and a loss of buoyancy. Drowning may result.

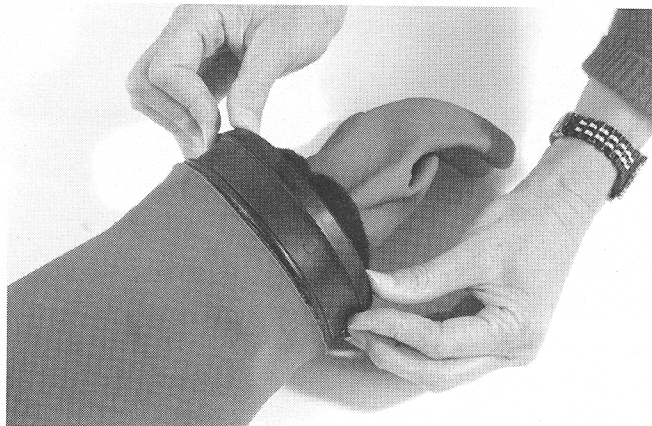
Maintenance of SI-5 Dry Gloves

After a day of diving, be sure to rinse the exterior of your dry gloves with clean, fresh water. There is no need to rinse the inside of the gloves unless water got inside them or your hand were perspiring.

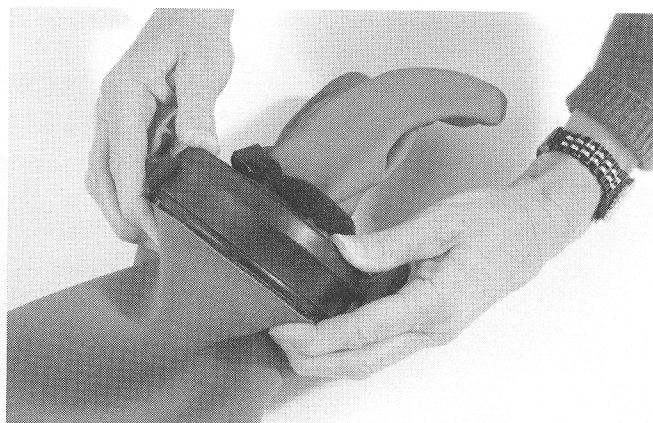
If you are diving on a weekly basis, you can leave your SI-5 gloves attached directly to your dry suit. However, if you will not be diving for several weeks, or if your suit will be in storage over the winter, remove the gloves from the suit.

Removal of SI-5 Dry Gloves

To remove the gloves...



Step #1: Hold the outer glove ring, with your thumbs against the black rubber ring.



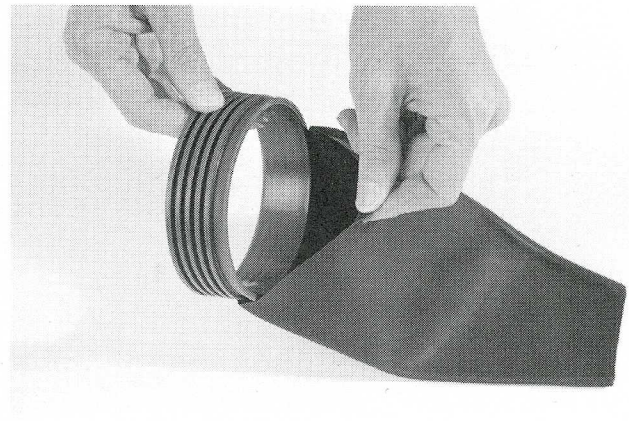
Step #2: Place the tips of your index fingers on the outside of the suit, over the lip of the inner ring. You should be able to feel the inner ring through the suit.



Step#3: Push the outer ring off of the inner ring using your thumbs while your index fingers push the inner ring out, away from the sleeve.



Step #4: Work your thumbs all the way around the outer ring and continue pushing the outer ring away from you as you push the inner ring toward you.



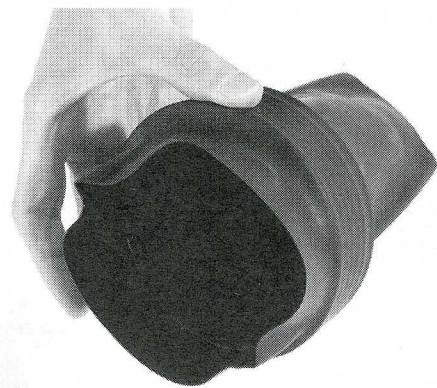
Step #2: Slide the cuff of the wrist seal over the inner ring and position the ring inside the cuff so it holds the cuff open.

Installing a Wrist Seal

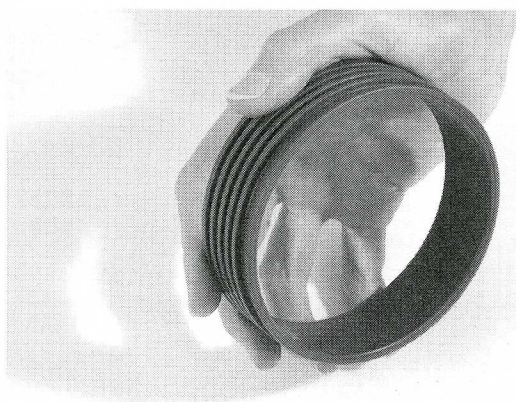
In warmer waters, you may want to use ordinary neoprene gloves or even work gloves. The SI-5 System allows you to substitute a wrist seal in place of the dry gloves.

⚠ WARNING: Improper installation of the wrist seal could result in the seal separating from the suit. This would cause flooding, possible thermal shock, and a loss of buoyancy. Drowning could result.

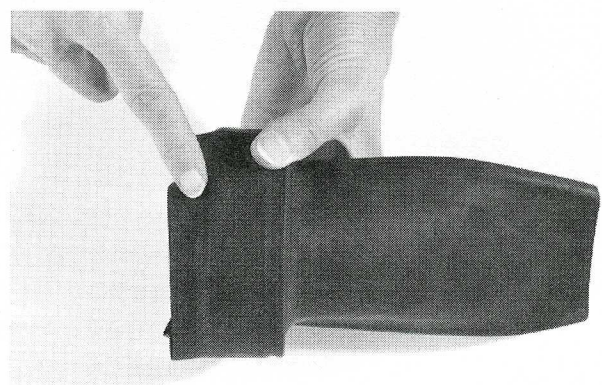
Use the following procedure for installing a set of wrist seals...



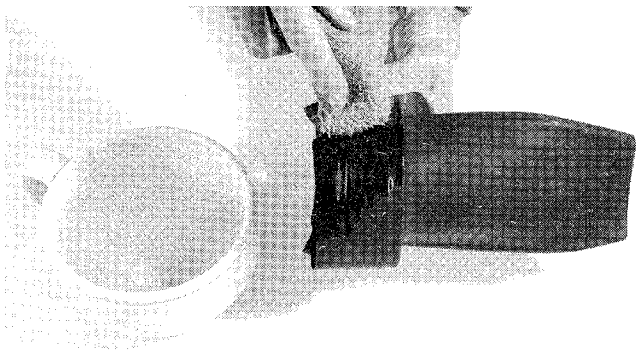
Step #3: When the inner ring is properly positioned, you should be able to easily insert your hand through the seal.



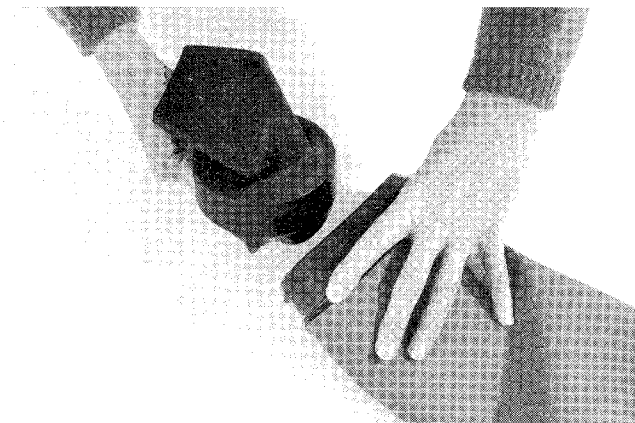
Step #1: Pick up one of the inner rings and hold it in your hand so that the large locking groove is facing away from the palm of your hand.



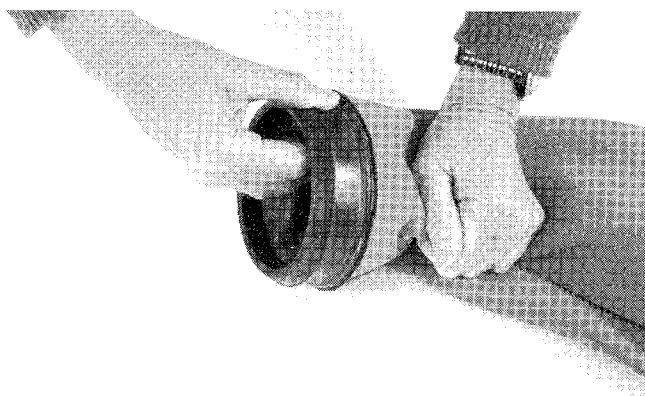
Note: The bottom end of the ring should be positioned about one half to three quarters of an inch from the large opening of the wrist seal.



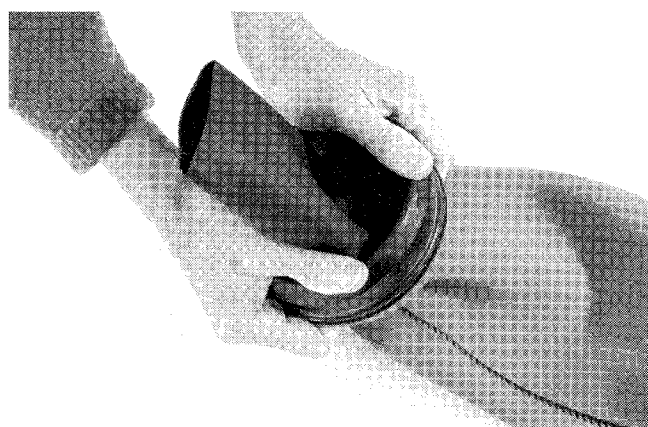
Step #4: Apply a dilute solution of soapy water to the outside of the wrist seal where the inner ring is positioned.



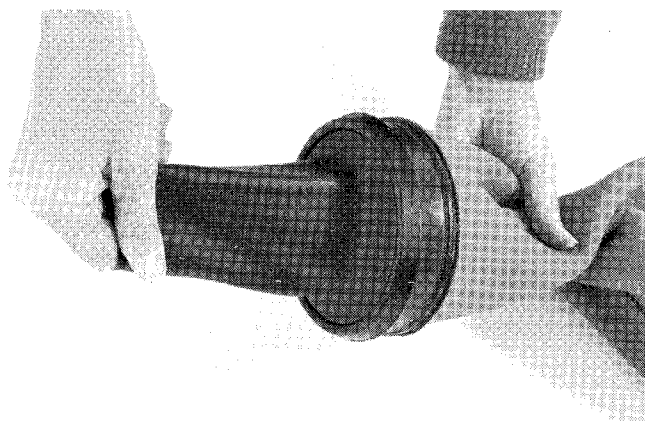
Step #5: Place the outer ring on a table and push down on it gently until the opening is oval shaped. Slide the ring and glove assembly through the outer ring.



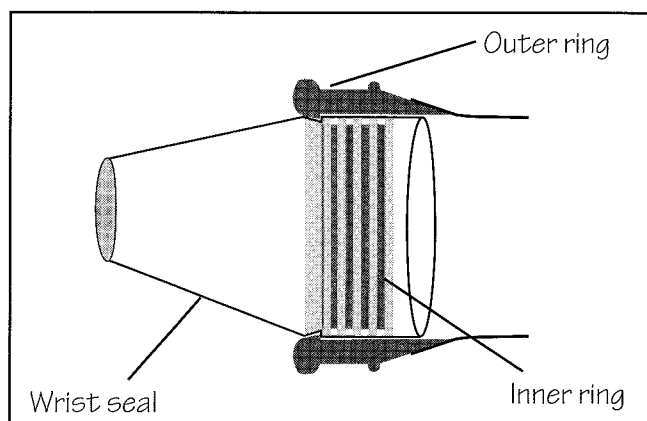
Step #6: Once the wrist seal/ring assembly have passed through the outer ring, turn the inner ring so it is parallel to the outer ring.



Step #7: Push the inner ring and glove towards the outer ring until the inner ring snaps into the locked position inside the outer ring



Step #8: Make sure that the inner ring is firmly locked in position, all the way around.



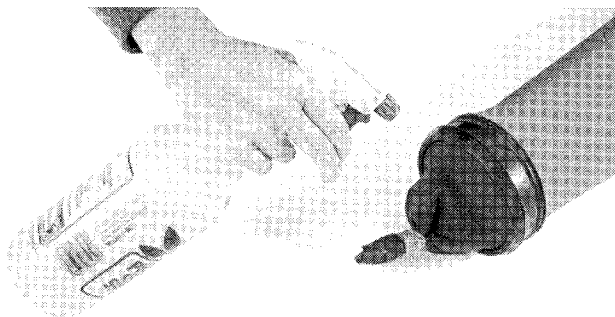
Cutaway of SI-5 ring system with wrist seal.

⚠ CAUTION: Do not leave your wrist seals installed in the suit for more than a few weeks at a time. Leaving them installed when not in use will result in accelerated aging of the seal and could lead to premature failure.

Leak Testing Wrist Seals

Before diving with your SI-5 wrist seals for the first time, they should be leak tested. The procedure is as follows:

- 1) Close the zipper on your dry suit.
- 2) Twist your neck seal and wrist seals closed and use a heavy duty rubber band to seal them off.
- 3) Attach your regulator to a scuba cylinder and connect your inflator hose to your suit. Inflate your suit until it is stiff.
- 4) Use a spray bottle of soapy water and spray it on the dry gloves where they connect to the suit.
- 5) Look for leaks and also listen for them. If leaks exist, disassemble the seals and reassemble them properly to correct the problem.



Leak test your wrist seals before diving with them.

Be sure to leak test your SI-5 Glove System before using it underwater for the first time, or any time you think they may be damaged.

Patching Your SI-5 Gloves

While SI-5 gloves are very rugged, they can be punctured if you grab sharp objects.

To patch the glove, thoroughly dry it both inside and out. Apply a light coating of Aquaseal® to the area. This works for cuts that are less than 1/8 inch in length.

⚠ WARNING: Only use Aquaseal® in a well ventilated area. The fumes from Aquaseal can cause both long term and short term damage to your body.

If you have questions regarding these instructions, or if any portion of this document is unclear, please contact Diving Unlimited International at 800-325-8439.

**Diving Unlimited International, Inc.
1148 Delevan Dr.
San Diego, CA 92102-2499
Tel. (800) 325-8439
FAX (619) 237-0378**

