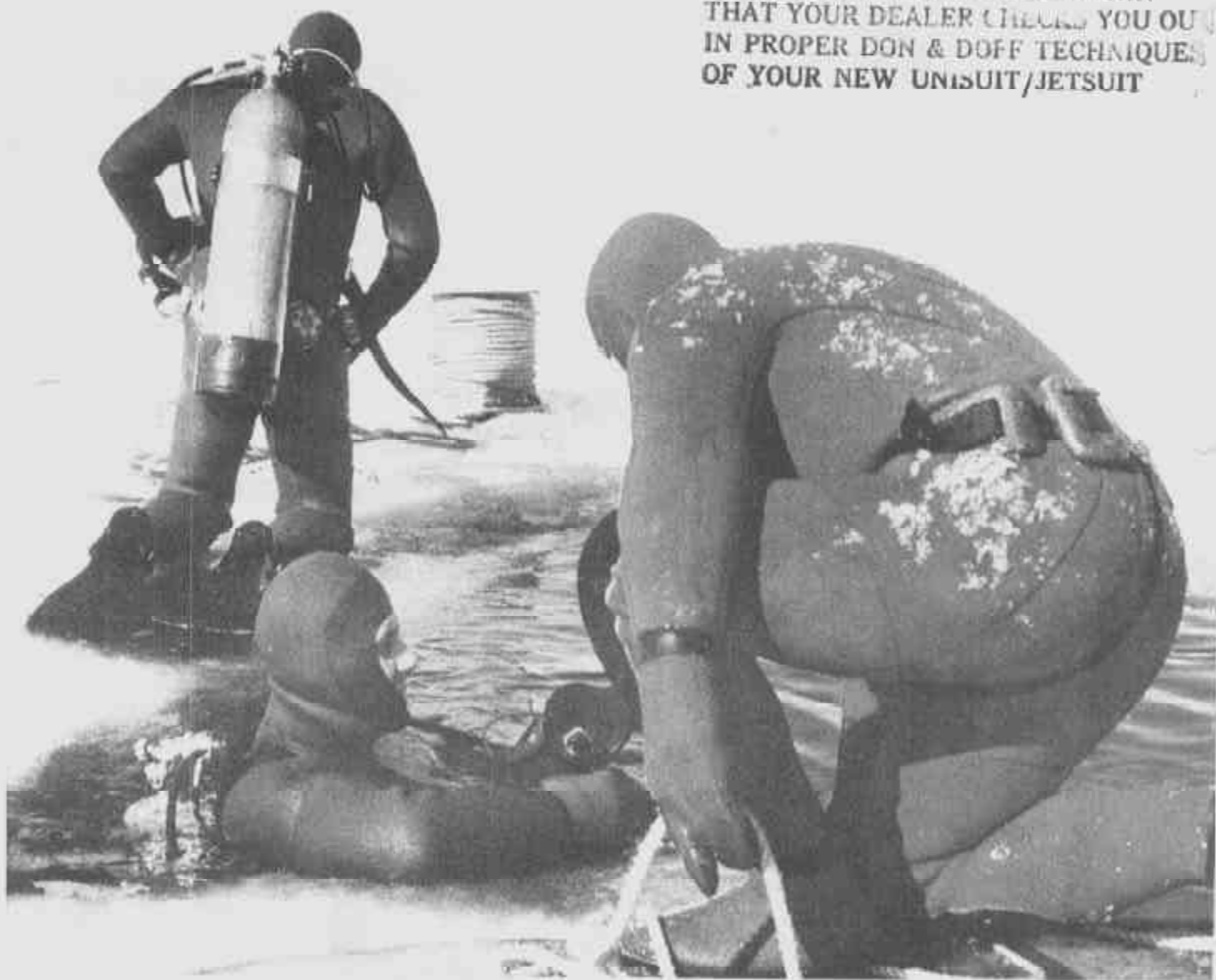


Unisuit Operating Instructions

DEAR CUSTOMER: MAKE CERTAIN
THAT YOUR DEALER CHECKS YOU OUT
IN PROPER DON & DOFF TECHNIQUES
OF YOUR NEW UNISUIT/JETSUIT



Poseidon Systems U.S.A.

The company that changed the way the best divers dive.

Poseidon Systems U.S.A.

Welcome to the warm and comfortable world of UNISUIT diving. You now own the finest diving suit system in the world. UNISUIT needs a different kind of care than other suits. Maintain it properly and it will serve you for many years.

PLEASE READ THIS ENTIRE BOOK BEFORE YOU OPERATE THE UNISUIT ZIPPER.

The Zipper: If the instructions for zipper operation are followed, zipper repairs should never be necessary. However, if the zipper is misaligned and then forced, it will break. Once broken, the entire zipper must be replaced **at the factory**.

BEFORE FIRST USE



1. Apply the beeswax lubricating stick **lightly** to the inner and outer metal parts of the zipper.
2. Spray the rubber parts of the zipper with silicone.



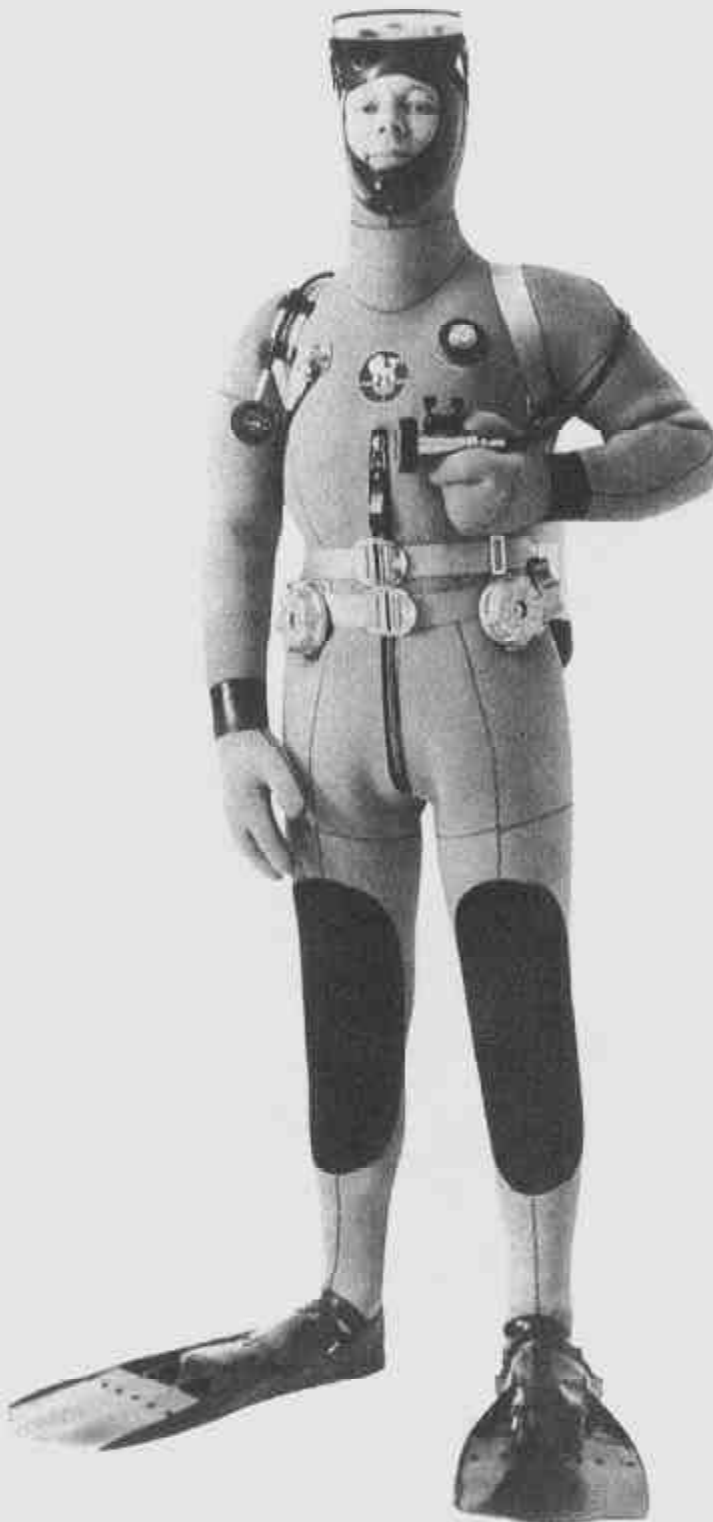
3. Spray silicone on the rubber sealing plug located under the zipper at its highest point in front.



4. Spray silicone on the inside of the cuffs and inside and outside of the neck seal.



Spray the intake and exhaust valves in the direction of flow **while holding them open** — the intake valve in its entry tube, the exhaust valve through one of the holes in the exhaust cage on the **inside** of the suit.





5. Operate the zipper in this manner:

- a. Before closing the zipper make sure that the rubber flap lies flat along its entire length. The metal zipper halves should **run parallel and touch each other**. They must lie at the same height and must be aligned lengthwise.
- b. Place only one finger in the pull ring. Carefully pull the ring exactly parallel to the zipper track. Pull down and around the crotch and up the back.

Never use Force to Operate Your Unisuit Zipper

The UNISUIT zipper is water, gas and pressure tight. It is built to rugged specifications and when properly cared for will stand up under the most strenuous diving conditions. However, the UNISUIT zipper is a precision device and must be handled accordingly. If the zipper is stiff or fails to operate, establish the reason and remedy it. Never try to force the zipper or you will destroy it. Instead, back the zipper up an

1 or two and make sure:

1. That there's nothing caught in it.
2. That there's no strain on it.
3. That the zipper tracks are parallel and touch each other.

Zipper Maintenance

The zipper as it comes from the factory is pregreased and broken in. It should be lubricated with silicone spray before every use and with grease before every 5th use.

Any **acid-free** grease or vaseline can be used instead of silicone, but soft greases pick up sand and dirt. Two beeswax grease sticks are supplied with the suit. Get replacements.

Note: The zipper must be completely clean before it is greased.

A dirty zipper should be washed on the inside and outside with detergent and fresh water, using a tooth brush. All foreign particles must be removed. Also scrub the rubber plug at the top of the zipper.

Caution: Do not clean the zipper with a hard or pointed object or a metal brush.

Unisuit Maintenance

Wash the UNISUIT in fresh water after use in chlorinated, muddy or salt water or after exposure to sand.

It is a good idea, whenever possible, to hose down the UNISUIT zipper after each dive, **before taking off the UNISUIT.**

Soap and warm water applied with a scrubbing brush will deep clean the UNISUIT exterior.

Store your UNISUIT by hanging it from the heels. Put the feet through a wooden hanger, toes up, until the heels pass the bar. To pack the UNISUIT in its carrying bag, carefully lay the face down on a clean surface. Fold the UNISUIT at the

st and again at the knees. Bring the arms around behind. Insert suit in carrying bag.

Caution: Do not fold suit with valves pressing against suit fabric.

Arctic Professional Undergarment Care & Use.



Although any comfortable long underwear can be worn under your UNISUIT, Poseidon's Arctic Professional Undersuit is superior. Its full double zipper matches the UNISUIT zipper and allows urination or defecation without undressing. Its soft, fur-like inner surface prevents chafing and its smooth outer surface facilitates dressing. Its porous knit permits moisture from the skin to escape and be vented from the suit, which helps prevent overheating before the dive.

As needed, the Arctic Professional Undersuit should be washed in cold water by hand or in a washing machine set at a gentle cycle. It can be dried by machine with low heat, or can be hung to dry with the fur outside after manually squeezing out most of the water. The Arctic Professional Underwear is made of 100% Polyamide and should be cared for and washed the same as a fine wool garment. However, it need not be drycleaned.

Donning The Arctic Professional Undergarment

Unzip the upper zipper only. Step into the bottoms and pull up the top half. Place arms into sleeves. Do not close the top zipper until you have adjusted the UNISUIT neck seal. This ensures a perfect neck seal for the UNISUIT without interference from the undergarment zipper and collar.

DONNING THE UNISUIT



1. The UNISUIT zipper, intake and exhaust valves, air hose, coupling, sleeve and mitten cuffs, and the neck seal should be sprayed with silicone.



2. Open the zipper fully and turn the neck seal up inside the hood. From behind the UNISUIT, place the suit over your head. Reach down through the face opening of the hood with both hands and grasp the neck seal from inside. You should be able to feel the first horizontal collar seam under your fingertips.



3. Stretch the neck seal out against the hood and pull out and down firmly. The neck seal and hood will now come down over the head.



4. Put the hood in place. Handle the face seal carefully. Pull only on the nylon-covered material.



5. The neck seal must now be moved down the neck. Bend the upper body forward and down and let the whole suit hang down, inside out. Now it is easy to put your fingers between your neck and the suit in order to reach the collar. Pull the collar downwards, smoothing it around your neck. The silicone sprayed on the neck seal before donning the suit makes this very easy.

6. Straighten up and check that the collar tightens evenly against your neck. The collar may seem too long and the lower edge may roll up. If this happens, pull the suit up a little. When the lower edge of the neck seal lies smoothly around your neck, the seal is correct. Persons with long hair must be certain that no hair gets between the seal and their neck.

7. Once the neck seal is in place, you can slip the hood back off your head if you like. (Caution: To avoid tearing the face seal, grasp the hood far enough in so that all pressure is applied to the nylon surface.) You can now zip up the underwear.



8. Straighten the suit, grasp the sleeve-cuffs of the underwear, and put your arms through the sleeves. Your hands will slide through the cuffs easily if silicone has been applied as directed in Step 1.



9. Inserting your legs can be done either sitting or standing. Sitting is easier for most people. Pull the sides of the suit forward, **over and off the shoulders** so that there will be no strain on the zipper. Put your left foot on your right knee. Place the leg-hole over your foot, making sure that the leg of the suit is not twisted. Slide your leg in and pull the suit up until the left side of the open zipper is at your crotch.



10. Do the same with your right leg. Then put the shoulders of the suit back in place.

11. While you are seated, but before you have zipped up, it is convenient to don overshoes, fin-holders, knife, etc.



12. Close the zipper. You must **always** have assistance to do this since you cannot reach up your back and pull the zipper in a perfectly straight line. Refer to OPERATE YOUR UNISUIT ZIPPER, Page 2.



13. The air intake hose, attached to a low pressure air supply should be snapped into the air intake valve stem located on the right side of your chest.



14. Inflate your UNISUIT a bit over normal and then vent it. This relieves suit tensions and also confirms that the seals and valves are working properly.



In order to get maximum thermal protection from your suit, you should avoid sweating in it prior to the dive. If you must wear the UNISUIT on the surface for long periods before or between dives, inflate and deflate it occasionally to change the air and leave the zipper open between inflations.



16. The largest available fins should be worn to accommodate the boot of your UNISUIT. Rubber overshoes can be worn with the suit. They are important if you must walk without fins over rocks or on decks which have hazards which might cut the suit. Extra large fins are available from Poseidon for the diver who wears the large or extra-large UNISUIT or for the diver who wishes to wear rubber overshoes under the fins. Fin guards (fixe palmes) must always be used and are supplied with the suit for this reason.



15. Reverse the mitt cuffs before you put on the mitts, then roll them into place, overlapping sleeve cuff.



3. In a sitting or semi-sitting position, pull the seat of the suit welf out to each side. Then pull the right shoulder of the suit over your shoulder as far as possible. That part of the suit should now be inside-out. With your left hand grasp the right sleeve hole just above your elbow. Pull down and ease your right elbow part way out of the sleeve. Pull down and ease your right elbow free, then pull the sleeve inside out until only the cuff is still on. Slip a finger behind the cuff and pull it off your hand. Now put the fingers of your left hand under the right sleeve cuff until you get a good grip on the nylon. Work the cuff over your hand, then wriggle your right elbow free.

4. Repeat with your left arm and sleeve.



5. Make sure hood is on head, not slipped down on the back of the neck. Reach up under your chin with both hands. Insert both thumbs between the neck seal and your neck and raise the neck seal over your chin. Now bend forward and downward. Pull the suit shoulders forward as far as possible. Grasp suit in back at the root of the zipper, one hand on each side. Pull forward and downward steadily until neck seal slips over your head.

6. Loosen suit at thighs and shins by pushing downward from inside. Do not let suit roll. If you haven't removed finguard, do so now. Now grasp foot at the heel and pull steadily. Don't pull on the sole, grasp the seam above the sole. Repeat for the other foot and you're out.

DOFFING THE UNISUIT



1. When removing the mitts, slide the thumb from the opposite hand under the cuff, pulling the undersides of the mitt until it reaches the nylon of the mitt. Then ease the mitt off. Never pull the fingertips. Never pull the rubber cuff.



2. Open the zipper fully. You must have assistance to open the zipper at the back. See OPERATE YOUR UNISUIT ZIPPER page 2.

BUOYANCY CONTROL

Inflation increases internal air pressure, volume, and buoyancy. It is achieved by depressing the button under the right collarbone, with the air intake valve connected to a low-pressure air supply. Inflation can be performed in any position, on the surface or underwater.

buoyancy. It is achieved by depressing the button below the left collarbone. The easiest and most efficient purging is accomplished with your body in a position that places the purge valve above the rest of the suit (i.e. in a head-up vertical position or a chest-up horizontal position).

Complete purging is achieved when the diver lies in a chest-up horizontal position, places his left arm **behind his back**, raises his left shoulder a bit above his right, and presses the purge button with his right hand.

In operation, the intake button is the "up" button, the purge valve the "down" button.

WEIGHTING FOR THE DIVE

Normal weighting is usually about double the weight a diver uses with a 1/4" wet suit; between 30-40 pounds. Maximum weighting can be as much as 50 pounds **additional**. Each diver should establish his own personal limits.

Normal weighting permits the diver to sink slowly from the surface after purging all the air from his suit. He can then settle himself firmly on the bottom, swim with neutral buoyancy with comfort and ascend effortlessly at the touch of the "up" button.

Maximum weighting is useful when the diver wishes to utilize the hard-hat mode of operation or where upright work is planned in conditions of strong current or turbulence, or where maximum bottom-resting capability is desired. Even with 80-90 pounds, the diver can make a controlled inflated ascent to the surface. However, long swims will not be particularly convenient.

USE OF OTHER ACCESSORIES

DIVER'S SHOES with steel or brass soles (10-12 pounds maximum per shoe) can be worn in addition to the weight belt.

COVERALLS—Take a tip from the hard-hat divers and wear coveralls over the suit when you are cutting, welding, or working in snag-prone situations.

RUBBERS—Rubbers or galoshes can be used to protect the feet on shore or on deck.

WEIGHTS—Special all-metal, one-piece screw-on weights are available from Poseidon Systems U.S.A. They weigh 5 pounds each. Each weight can be clipped onto a belt or scuba harness while you're wearing it. They are very handy for adjusting weighting very quickly.

INSULATION CONTROL

The Arctic Undersuit is quite adequate for most conditions sport divers encounter.

Extended durations in extremely cold water may call for more protection—in which case additional underwear may be worn.

Foot and hand protection may also be augmented with undergloves and undersocks.

If additional underwear is worn, additional air will be trapped in the suit. Compensate by adding additional weight.

If extended swims are contemplated, add some of that additional weight at the ankles with 2 or 3 pound weights and a pair of short straps.

In water over 65 degrees, lighter underwear may be worn, and will insulate the diver against heat as well as cold.

If no underwear is worn with the suit, chafing may result.

FULL FACE MASKS provide face protection in very cold water, and give you the opportunity to use electronic communications. Desco, Kirby-Morgan, or full-face demand-type masks seal securely against the smooth front of the hood. An efficient full-face demand-type mask is available from Poseidon Systems U.S.A. Its mouthpiece is interchangeable with the mouthpiece on the CYKLON 300 regulator.

HATS—All hats tested, including the Desco, Aquadyne and Beckman work well with the UNISUIT. Their neoprene neck rings seal on the neck of the UNISUIT just as they would on the neck of a diver. Allow 2" more on neck sizes. The UNISUIT hood should not be removed. However, it

may be slipped back off the head if the protection of the hood is not required.

OTHER TECHNIQUES

MINOR LIFTING can be accomplished with your UNISUIT. It will lift as much weight as you can hold on to. You cannot damage the UNISUIT by underwater over-inflation because the wrist seals will vent long before there is any danger of rupture. However, you must guard against being dragged against sharp objects (including what you are lifting) when the suit is highly inflated. **IMPORTANT** Once highly inflated, should you lose your grip on what you are lifting, be prepared for a fast trip to the surface, and the risks involved. Also, when over-inflating the suit, keep your feet under you. **CARRYING TOOLS, CAMERAS, ETC.** With the UNISUIT you can swim light and work heavy. By making full use of the buoyancy controls you can swim heavy tools and camera into position. A photographer can add 10 pounds extra weight to get a firm camera platform on the bottom, and between shots compensate for the weight and swim comfortably. **GAS DIVING** For mixed-gas work in cold water, independent inflation of the suit is recommended. While helium is useful in combatting narcosis, it is a very poor insulator and conducts heat 6 times better than air. Therefore, it should not be used for suit inflation.

Poseidon Systems U.S.A. provides an independent air inflation system which has been used operationally to 330' and gives good thermal protection.

SAFETY FEATURES AND PROCEDURES

The Poseidon System is a tremendously safe system — because the diver is warm, and because he has control of his buoyancy.

Several safety features have been designed into the suit to prevent uncontrolled inflation.

1. If the intake valve should stick in the open position, the inflating hose should be removed. The quick-release snap lock makes this fast and easy.
2. The exhaust valve is designed to pass a greater volume of air than the intake valve. Therefore, with the exhaust valve held open it is impossible to over-inflate the suit even if the inflating hose and the intake valve should stick simultaneously.
3. The suit can also be vented at the cuffs. (Some wetting of the underwear sleeves occurs during this procedure).
4. As a last resort your UNISUIT can be vented by pulling down the zipper. Using this technique, the diver should be prepared to get wet.

If you tear your UNISUIT keep the torn part facing down or at the lowest point and you will be able to achieve substantial buoyancy. Even if all air holding power is lost, you can regain positive buoyancy by releasing weights from your belt as needed.

Your UNISUIT has a number of advantages not found in inflatable lifejackets. It can be pressurized quickly at any depth. Even if you run out of air during a dive your UNISUIT can continue to provide support. Swim towards the surface and the residual air inside the suit will expand as the water pressure outside the suit decreases. In this situation, if the last 30' of the ascent are made without purging the UNISUIT, it will float the diver high on the surface. Lying on the surface of the water, even in heavy seas you will be very comfortable and highly visible in your inflated UNISUIT. At the end of a dive, if you're fatigued, or out of contact with surface support personnel, the security of the UNISUIT will be doubly meaningful.

TROUBLE-SHOOTING THE UNISUIT

An open or sticking valve, intake or exhaust, can usually be fixed with a spray of silicone, but occasionally it is the fault of an internal "O" ring failure. Small quantities of water may leak in through the exhaust valve if the non-return membr. under the plastic protector is displaced or faulty. Damage to the suit material is easily repaired. Glue and UNISUIT material are supplied with the suit. If cuffs or face seals deteriorate you can replace them yourself with replacements available from POSEIDON U.S.A.

TRANSPORT AND STORAGE OF UNISUIT

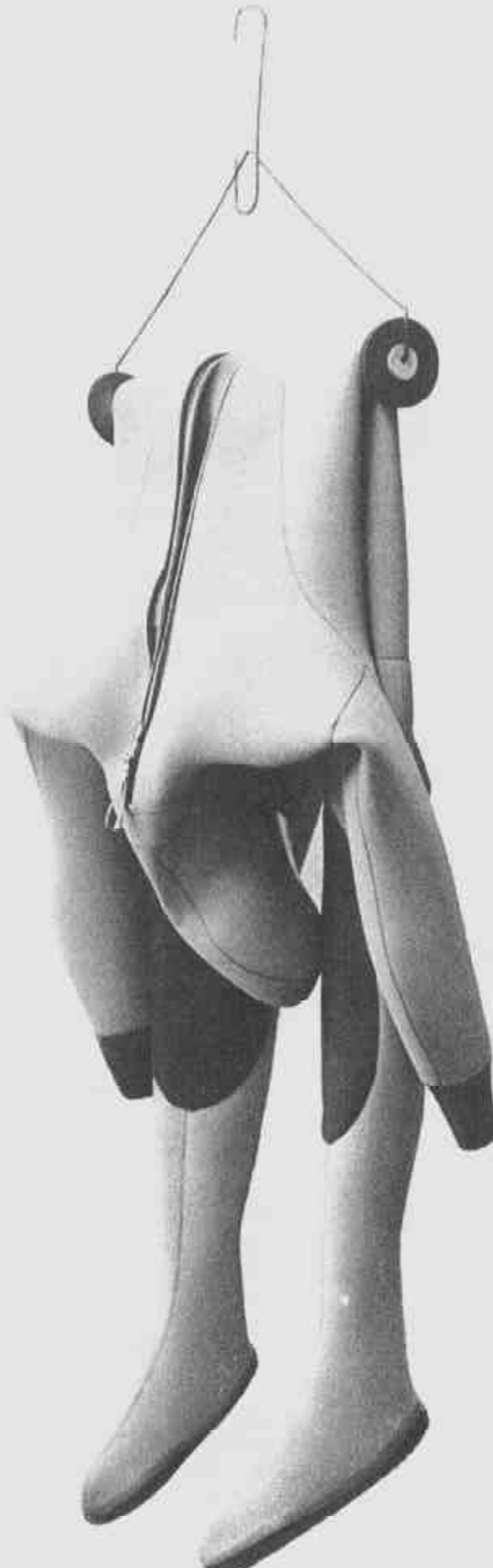
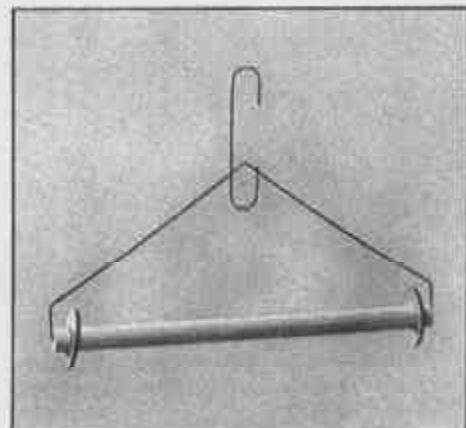
The UNISUIT should be unpacked immediately, as the carton is only intended for transportation. Transportation and occasional storage may be made in the diving bag — UNIBAG. If the suit is wet it must immediately be hung up to dry, preferably in the shade. When dry on one side turn the suit inside out and let it dry on the other side. Preferably, the suit should be stored in a cool place.

The UNISUIT should be stored stretched out, lying or hanging. During transport or storage be careful that the suit is not being squeezed. Do not place other gear on the suit. Do not let the suit hang over sharp edges. Be sure that the suit is hanging free and not pressed against other objects.

Occasional hanging for drying can be made on a well curved hanger. This is not to be recommended when stored, as the weight of the suit causes squeezing of the rubber in the parts around the shoulders. The simplest way to avoid this is to hang the suit on a special hanger as shown on the picture.

Be careful that the neck seal and hood are not being squeezed. Check this most carefully when on board ship, when the suit will swing. See that no rust from the hanger is transferred to the suit.

Before storage, the zipper must be treated with the lubricating stick as per special instructions.



Poseidon Repair Bulletin

INSTRUCTIONS FOR REPLACING UNISUIT CUFFS.

You will need:
2 cuff pieces
neoprene cement
scissors
2 pieces of wood
a. 1 piece approximately 1" x 2" x 10"
b. 1 piece approximately 1" x 4" x 10"

Follow these instructions carefully. The details in bold face type are critical points that must be noted.



1. One pair of replacement cuffs



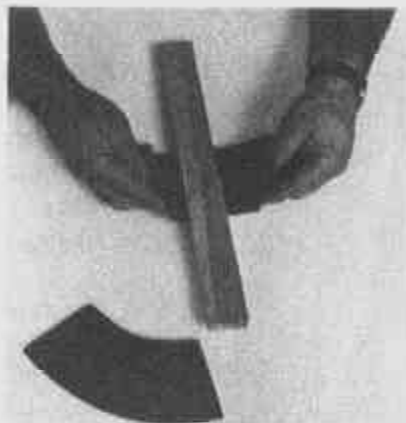
2. Neoprene cement, scissors, wood and cuffs



3. Begin by applying generous amounts of neoprene cement to the longest edge of one cuff.



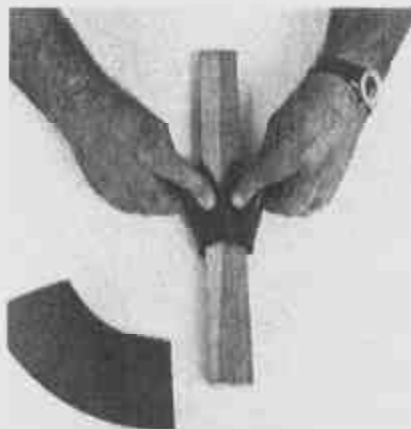
4. Apply cement to both ends of the same cuff.
DO NOT APPLY CEMENT TO THE SMALLER CURVED EDGE. ALLOW CEMENT TO DRY THOROUGHLY. THEN APPLY A SECOND COAT TO THE SAME THREE EDGES. LET THE SECOND COAT DRY THOROUGHLY AND APPLY A THIRD COAT OF CEMENT.



5. When the third coat of cement is tacky—almost dry—place it flat on the table and place the narrow board in position as shown.



6. Bring the two ends of the cuff up and over the board and join them at the narrow end.



7. Continue pressing two ends together as shown.
DO NOT STRETCH THE CUFF AS YOU JOIN THE ENDS OR THEY WILL BE UNEVEN.



8. Complete the joining of the two halves. **THEN GO BACK OVER THE ENTIRE SEAM WITH FINGERS POSITIONED AS SHOWN, PRESSING FINGERS TOWARDS EACH OTHER, STRONGLY. PAY PARTICULAR ATTENTION TO ACHIEVING A FIRM BOND AT THE ENDS OF THE SEAM.**



9. The finished seam looks like this.



10. Remove the cuff from the board and pinch the seam ends as shown to further ensure a good bond.



14. The angle cut must go right through the cuff and about $\frac{1}{4}$ " into the sleeve.



18. Make your cut as smooth as possible and the result looks like this:

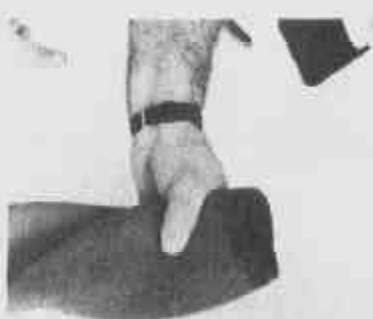


11. You now have a finished cuff.

Repeat steps 1 through 10 for the other cuff.



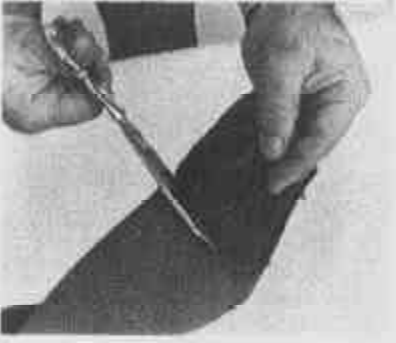
15. A straight cut is wrong and will not allow you to cut a smooth path around the cuff.



19. If your cut leaves cuff remnants or is uneven a strong bond to the new cuff is impossible.



12. Apply an additional coat of cement to the edge of the larger end of both cuffs and set them aside to dry while you proceed.



16. From the angle cut continue $\frac{1}{4}$ " into the sleeve and cut all around the sleeve.



20. Fold the sleeve end flat with the seam at one end.



13. Remove the damaged cuff from your Unisuit with scissors by cutting in from the cuff end **AT AN ANGLE.**



17. **BE SURE YOU CUT $\frac{1}{4}$ " INTO THE SLEEVE SO YOUR REPAIR WILL BE MADE ON SLEEVE FABRIC, NOT ON OLD CUFF FABRIC.**



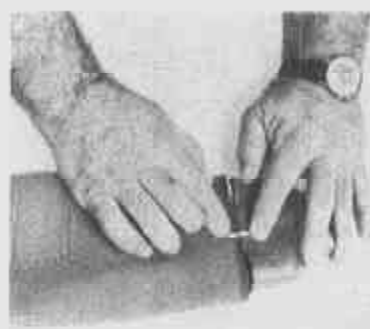
21. Mark the end opposite the seam with a pen or crayon.



22. Now take one of the cuffs you set aside. Fold it flat with the seam at one end.



26. Slip the wide end of the replacement cuff over the piece of board sticking from the sleeve. **CAREFULLY LINE UP THE CUFF SEAM AND SLEEVE SEAM.**



30. Join the sleeve and cuff **EXACTLY AT THE MARKS** and then proceed to join them out to the ends of the board. **AGAIN, DO NOT PROCEED AROUND THE ENDS OF THE BOARD.**



23. Mark the end opposite the seam with a pen or crayon.



27. Using fingertips press together the sleeve and the cuff **RIGHT AT THE SEAM.**



31. Pull the sleeve and cuff around the board until the seam and marks are on the ends of the board and the unbonded sections are in the middle of the board.



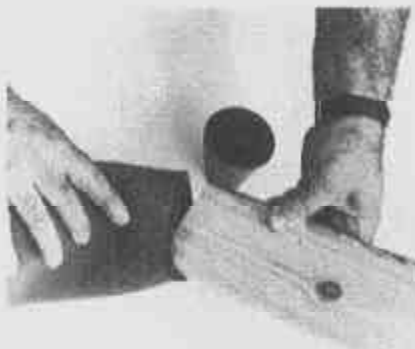
24. Apply three (3) coats of cement to the sleeve end allowing each coat to dry before applying the next. **WAIT UNTIL THE THIRD COAT OF CEMENT GETS TACKY—ALMOST DRY—BEFORE PROCEEDING.**



28. Then press together the sleeve and the cuff out only as far as the ends of the board. **DO NOT PROCEED AROUND THE ENDS OF THE BOARD.**



32. In this position join the remainder of the cuff and sleeve.



25. Insert the wider piece of wood into the sleeve until only about 3 inches stick out. At this point the seam on the sleeve should be in the middle of the board.



29. Turn entire board, sleeve and cuff over so that the pen or crayon marks you made on the sleeve and cuff are on top.



33. The cuff bonded to the sleeve should look like this.



34. Reach inside the Unisuit and remove the board.



36. With the fingers of one hand inserted inside the cuff end for support apply cement to the seam where the cuff joins the sleeve. **LET THIS APPLICATION OF CEMENT DRY UNTIL TACKY—ALMOST COMPLETELY DRY.**



38. If you followed these instructions carefully you now have a perfect replacement cuff that looks like this. **REPEAT STEPS 12 THROUGH 37 FOR THE SECOND CUFF.**



35. Now turn the entire sleeve inside-out, being careful to grasp the sleeve well beyond the cuff. **DO NOT PULL ON THE CUFF.**



37. When the cement is almost dry, place the inside-out sleeve on the wide board and press the cuff and the sleeve together right at the seam. **THIS WILL SECURELY SEAL THE SEAM.**



Poseidon Systems U.S.A. 241 Raritan Street, South Amboy, N. J. 08879
A division of Parkway Fabricators

Poseidon Repair Bulletin

INSTRUCTIONS FOR REPLACING THE UNISUIT FACE-SEAL

You will need:

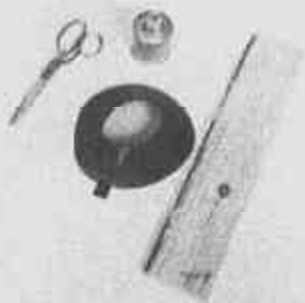
1 face-seal piece

Neoprene cement

Scissors,

1 piece of wood approx. 1"x4"x10"

Follow these instructions carefully. The details in bold face type are critical points that must be noted.



1. Face-Seal, neoprene cement, 1 piece of wood, scissors



2. Begin by examining face-seal and choosing a place to start cutting.



3. Using scissors, cut from the outer edge of the face-seal **AT AN ANGLE TO THE SEAM JOINING THE FACE-SEAL AND HOOD.**



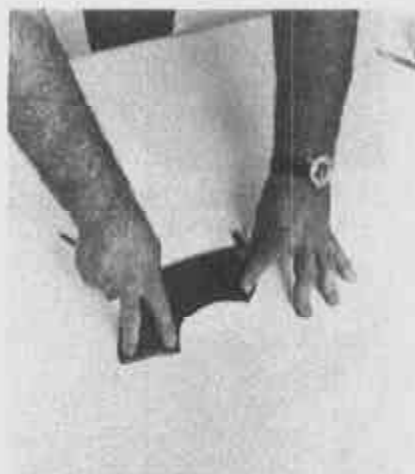
4. Cut $\frac{3}{16}$ " into the hood all around the seam so that all old face-seal material is removed.



5. Cut edge should be smooth and even with no trace of old face-seal material remaining.



6. Fold hood crown flat so that seams on each side of crown touch. Then mark the exact center of crown with a pen or crayon.



7. Take face-seal piece and fold it flat with the chin seam at one end.



8. Mark the fold opposite the chin seam with a pen or crayon.



9. Apply three coats of neoprene cement to the larger (outer) edge of the face-seal. Let the cement dry between coats. **DO NOT CEMENT THE TAB AT THE CHIN NOW.**



10. Apply 3 coats of cement to the edge of the hood. Let cement dry between coats.



13. Now move the board down inside the neck of the Unisuit until only about 4 inches of wood is sticking into the hood. Place the **UNGLUED CHIN TAB INSIDE THE HOOD** and line up the hood chin seam and the face-seal chin seam.



16. Remove the board from inside the Unisuit and insert it into the hood through the face-seal as shown. Join another inch at the lower end of one side of the face-seal.



11. WHEN THE THIRD COATS OF CEMENT APPLIED IN INSTRUCTIONS 9 AND 10 ARE TACKY—ALMOST DRY—place board in hood as shown so that mark on center of crown is on top. Place face-seal as shown so that mark at top of the seal lines up **EXACTLY** with the mark on hood.



14. Join the hood and face-seal **EXACTLY AT THE CHIN SEAM** and for about 1 inch on each side of the seam.



17. Move the wood so it supports the top end of the face-seal as shown. Join another inch at the top.



Press the two parts together and join **ONLY AS FAR AS THE CROWN SEAMS**.



15. The face-seal is now joined at top and bottom only and should look like this.



18. Flop the board, hood and face-seal to the other side and join another inch at the top.



19. Press the face-seal and hood towards each other strongly to get a secure bond.



22. The face-seal is now bonded to the hood all around.



25. Apply three coats of cement to the chin tab and to the hood where it meets the tab...



20. Now change the position of the board and join another inch at the bottom.
KEEP GOING BACK AND FORTH AND SIDE TO SIDE UNTIL THE ENTIRE SEAM IS JOINED.



23. Reach into the hood through the back of the suit and up through the neck-seal. Extend your fingers out through the opening in the face-seal and grasp the hood well back on the nylon surface. **APPLY NO GRIP OR PRESSURE TO THE FACE-SEAL ITSELF.**



26 ...allowing the cement to dry between applications.



21. With the board inserted (through the face-seal) into the hood for support, go around the entire seam pinching the two sides of the seam together to ensure a tight bond.



24. Pull the hood inside-out through the neck-seal. At this point, the chin tab is readily accessible.



27. When the third coat of cement is **ONLY SLIGHTLY TACKY—ALMOST DRY**—press the tab securely against the hood.



28. The tab is now bonded to the hood.



31. Reach up, through the neck and **GRASP THE HOOD WELL BEYOND THE FACE-SEAL. DO NOT PULL ON THE FACE-SEAL.**



34. Pinch opposite sides of the seam together strongly to ensure a tight bond.



29. With the hood still inside-out apply cement to the inside surface of the entire seam joining the face-seal and hood. **ALLOW THIS CEMENT TO BECOME TACKY—ALMOST DRY—BEFORE PROCEEDING.**



32. Pull the hood right-side-out.



35. If you followed these instructions carefully, your face-seal replacement is complete and should look like this.



30. Pinch opposite sides of the entire seam together strongly to ensure a tight bond.



33. Apply cement to the outside surface of the entire seam joining the face-seal and hood. **ALLOW THIS CEMENT TO BECOME TACKY—ALMOST DRY—BEFORE PROCEEDING.**



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