EO 55-15-2

ROYAL CANADIAN AIR FORCE

SEALING OF SURVIVAL & AIRCRAFT MEDICAL KITS

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SEALING OF SURVIVAL AND AIRCRAFT MEDICAL KITS

GENERAL

1 This EO outlines and illustrates the sealing procedure for the various types of survival and aircraft medical kits.

2 It is essentail that all survival kits containing such items as firearms and other attractive items be sealed to discourage illegal entry and also to assist the safety equipment technician, during periodic inspections of kits, to immediately detect entry. Since sealing presses and dies are available on units for uses other than sealing survival kits, he must ensure, during inspections, that the seal contained on the kits was sealed with the proper die as described in paragraph 4.

3 The sealing of kits will be accomplished using wire monel Ref. 30B/1859, #18 thread Ref. 32B/408, scarlet safety thread Ref. 32B/403 or thread linen #12 Ref. 32B/407 as applicable; presses sealing Ref. 1T/2127 and lead seals Ref. 29/1572.

4 Ref. 1T/2172 dies lettered ONLY are to be used for sealing kits. This die is marked "SAFETY EQUIPMENT RCAF" around the outer edge with two letters of the alphabet in the center.

5 Strict security of the die must be maintained at all times and it will be the responsibility of the NCO in charge of the Safety Equipment Section to safeguard against unauthorized usage of the die.

METHOD OF SEALING

6 Following are the various types of kits affected by this EO, and their method of sealing:-

SURVIVAL KIT - BANDOLIER

(a) The following procedure is to be carried out by units to reseal survival kits, bandolier, Ref. 15D/68, when they have been opened on the unit for inspection or to replace components. This resealing is to be done by the Safety Equipment Section:-

(1) Use thread, safety, scarlet, Ref. 32B/403.

(2) Set the sewing machine for longest stitch (5 to 6 per inch).

(3) Allow sufficient length of the lanyard, attached to the whistle and knife, to project from the end pocket, so that it can be readily grasped in the hand.

(4) Stitch a continuous line across the top of the pockets, 1/2" from the edge.

(5) Make one long stitch in the continuous line of stitching, 3/4" long at the center of each pocket. (This can be done by stopping the machine with the needle raised, then moving the pack 3/4" and commencing the normal stitching again).

NOTE

The scarlet safety thread is to be retained for use in the Safety Equipment Section only.

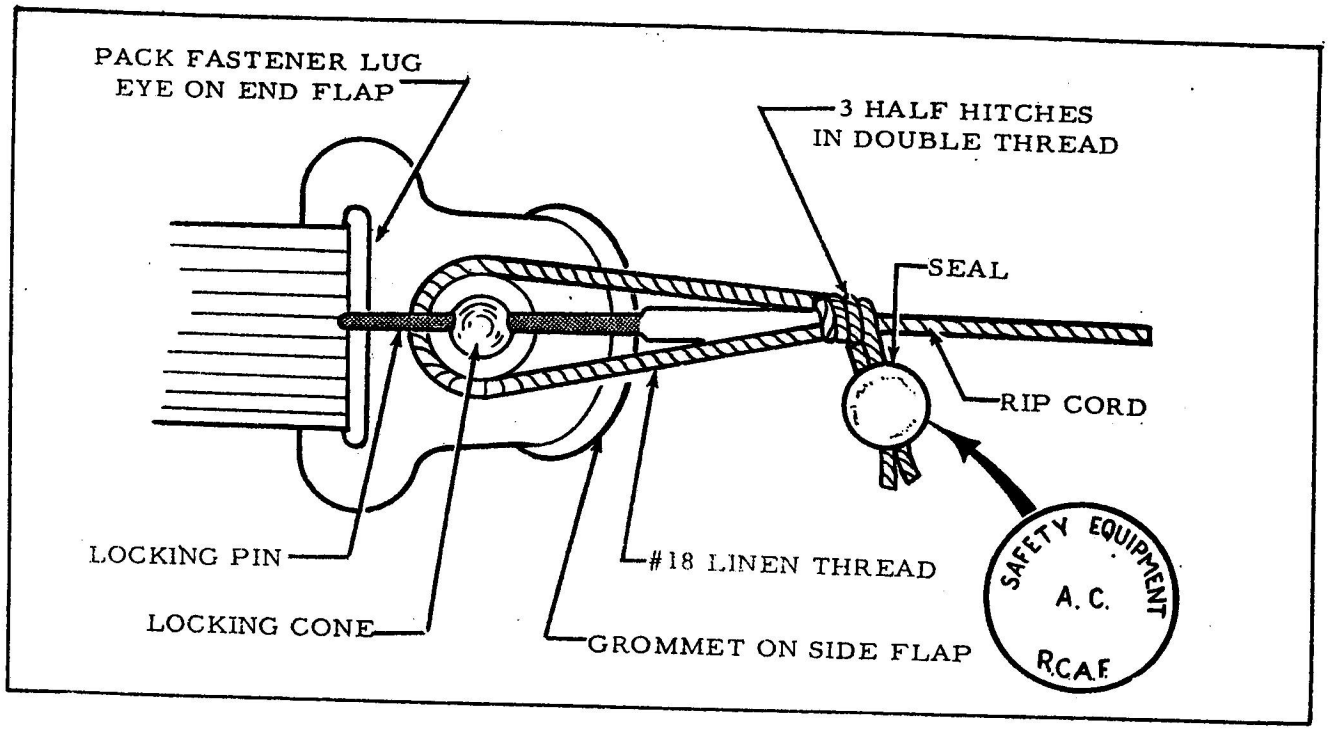


Figure 1 Sealing of Seat Packs

SURVIVAL SEAT PACKS (MARITIME AND INLAND SUMMER)

(b) Sealing of the survival kit seat pack is to be carried out as shown in Figure 1. This is done by passing a single length of #18 linen thread under the outer end of the rip cord pin (i.e. the pin furthest from the rip cord loop) on the side of the locking cone remote from the rip cord loop. The ends of the thread are to be secured by three half hitches to the cable between the cones immediately behind the joint formed by the cable and pin. Now pass the ends of the thread through the lead seal and tie, using a square knot. Apply the sealing press, ensuring that the knot is pressed firmly within the seal.

SURVIVAL SEAT PACKS (WINTER)

(1) Sealing of the winter seat pack is to be similar to sealing of summer pack except that wire monel is to be used, see para. 3. The lead seal is to be installed on the wire as per note following para. 6(c).

SURVIVAL KIT AIRCRAFT BASIC

(c) The aircraft basic kit is sealed at the hasp as shown in Figure 2 using wire locking and a lead seal. For added security of the container against illegal entry without breaking the seal see also EO 55-15B-6A/1.

NOTE

When sealing with locking wire, after passing the wire through the lead seal, the locking wire must be twisted before applying the sealing press to prevent the seal from being removed and replaced without being detected.

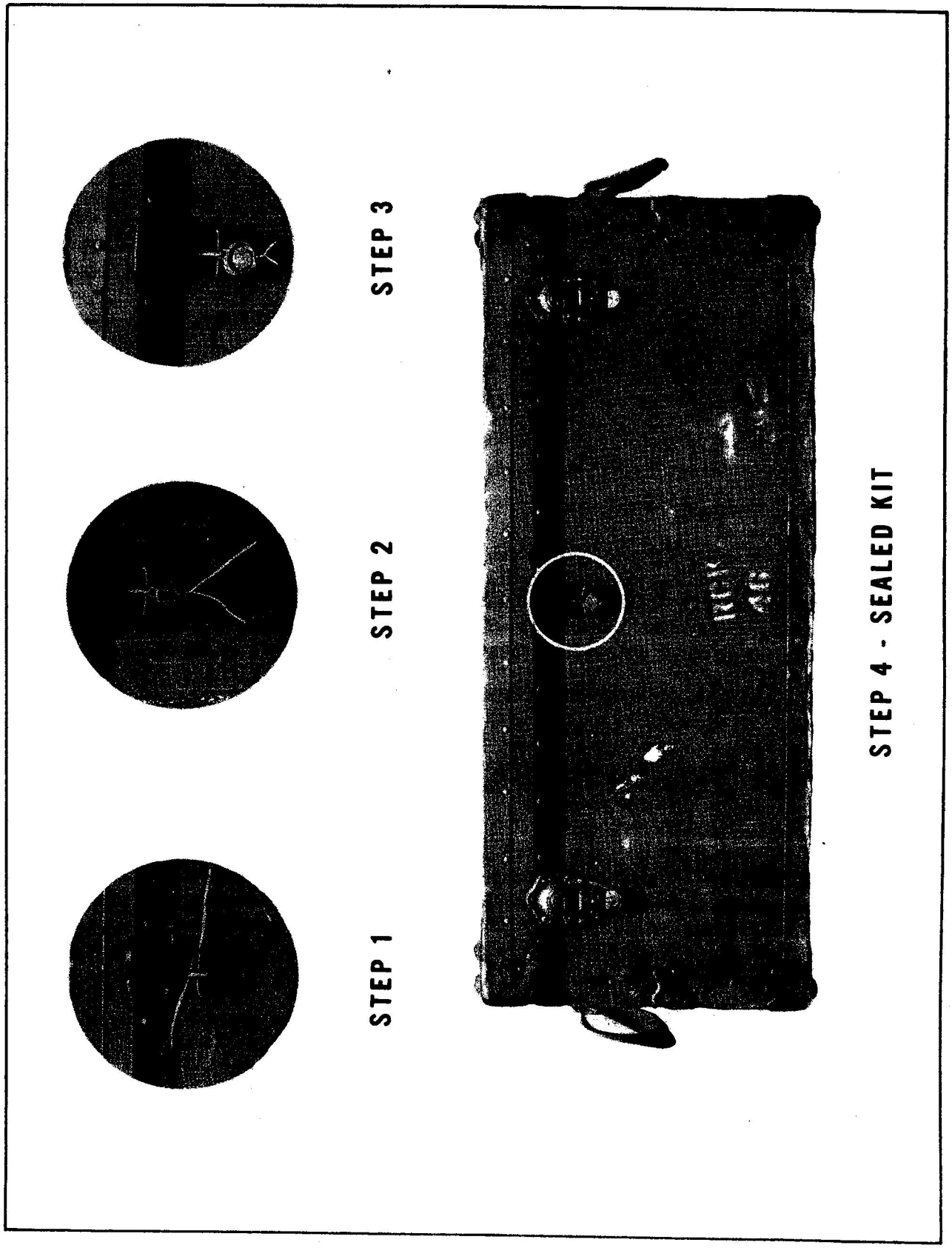


Figure 2 Sealing of Aircraft Basic Kit

SURVIVAL KIT INLAND WINTER AND ARCTIC

(d) The survival kit inland winter and arctic contents are packed in a container bag held closed with a draw string and is sealed by threading wire locking through the grommet holes and using presses sealing and dies lettered, seal both ends of the wire with a lead seal as shown in Figure 4.

SURVIVAL KIT SLEEPING BAG

(e) The procedure for sealing the survival kit sleeping bag is as follows:

(1) Check sleeping kit for serviceability and correct contents.

(2) Tighten draw string on neck of bag and secure.

(3) Thread wire locking through grommet holes and using presses sealing and dies lettered, seal both ends of wire with lead seal as shown in Figure 4.

AIRCRAFT MEDICAL KITS

(f) There are two main types of medical kits carried in aircraft as per CAP 607, Vol. 1, Part 8; the types and method of sealing are as follows:-

KIT, FIRST AID, GENERAL PURPOSE

(1) There are various types of containers in use, metal and canvas containers. The metal containers consist of a one and two catch container and are sealed as shown in Figure 5, using wire locking and a lead seal. The canvas container which has recently been introduced into the service will supersede the metal containers. The container is sealed in the same manner as the universal battle dressing first aid kit described in paragraph (2), see Figure 6.

KIT, FIRST AID, BATTLE DRESSING UNIVERSAL

(2) The container of the universal battle dressing first aid kit is made of waterproof canvas and closed by means of zippers. The procedure for sealing this kit is as shown in Figure 7 using wire locking and a lead seal, see also EO 55-15G-2.

MEDICAL KIT 21GM/8-2155

(3) Medical kits carried in emergency kits no longer carry narcotics and therefore sealing in polyethelene bag is considered adequate. Normal security and packing precautions will apply.

SURVIVAL KIT LIFE RAFT

(g) Sealing the fibreglas container is done by installing brass grommets in the webbing as per Figure 8. These grommets are positioned side by side in the top webbing and the bottom webbing two in each. The grommets in the bottom webbing must be either directly below the top ones or lower in the direction of the pull required for tightening. This is to ensure that the webbing cannot be loosened without breaking the lead seal. Locking wire is passed down through one set of grommets and up through the other set and sealed with a lead seal. As the supplementary container is carried in a life raft in a valise or blowout stowage no security sealing is provided on this container.

Figure 3 Deleted

LIFE RAFT VALISE MULTI-SEAT

(h) As a supplementary container will be installed in the life raft, security seal will be as follows, see Figure 9: Four 1/4" brass grommets are installed at either end of the valise approximately 8" along the top from the end seam and 4" from the same seam in the end of the valise. Two grommets side by side approximately 1" from the closing edge are installed in each position. It is to be noted that when the strip of fabric is used to enlarge valises requiring this modification the grommets are placed as above but in relation to the new closing edge of the valise. Sealing is then carried out using thread linen #12 passed down through the end grommets and up through the top grommets slightly tensioned so that cord will not break with normal handling of the life raft, then sealed with a lead seal.

SURVIVAL KIT LIFE RAFT NEPTUNE AIRCRAFT

(j) The survival kit used in the Neptune blow-out stowage is to be sealed utilizing wire 30B/1859 and lead seals Ref. 29/1572. The zipper is to be fully closed, wire is to be threaded through zipper handle, through grommet installed in end of container, refer to Figures 10 and 11 and seal in normal manner.

SEALING PARACHUTE SUPPORT SPACER CUSHION CF101 AND CF104 SEAT PACK

(k) Install grommet 28/MS20230B20 one half inch from closed end of a fastener and seal between zipper closure tab and grommet as illustrated by Figures 12 and 13.

SURVIVAL KIT SEAT PACK CF101 AND CF104

(m) Install Ref. 66F/7690-21-800-6414 Inspection Record E455 sticker as illustrated by Figure 14. A thin coat of varnish or shellac on the sticking area improves adhesion. The date and initials of the technician performing the inspection of the survival kit is to be annotated on the Inspection Record E455.

ADDITIONAL INFORMATION

7 In addition to emergency kits covered in paragraph 6, emergency kits such as the six-man droppable medical kit Mk. 3 packed and held in readiness for immediate use must also be sealed, refer to EO 55-35E-2, Figure 1-1.

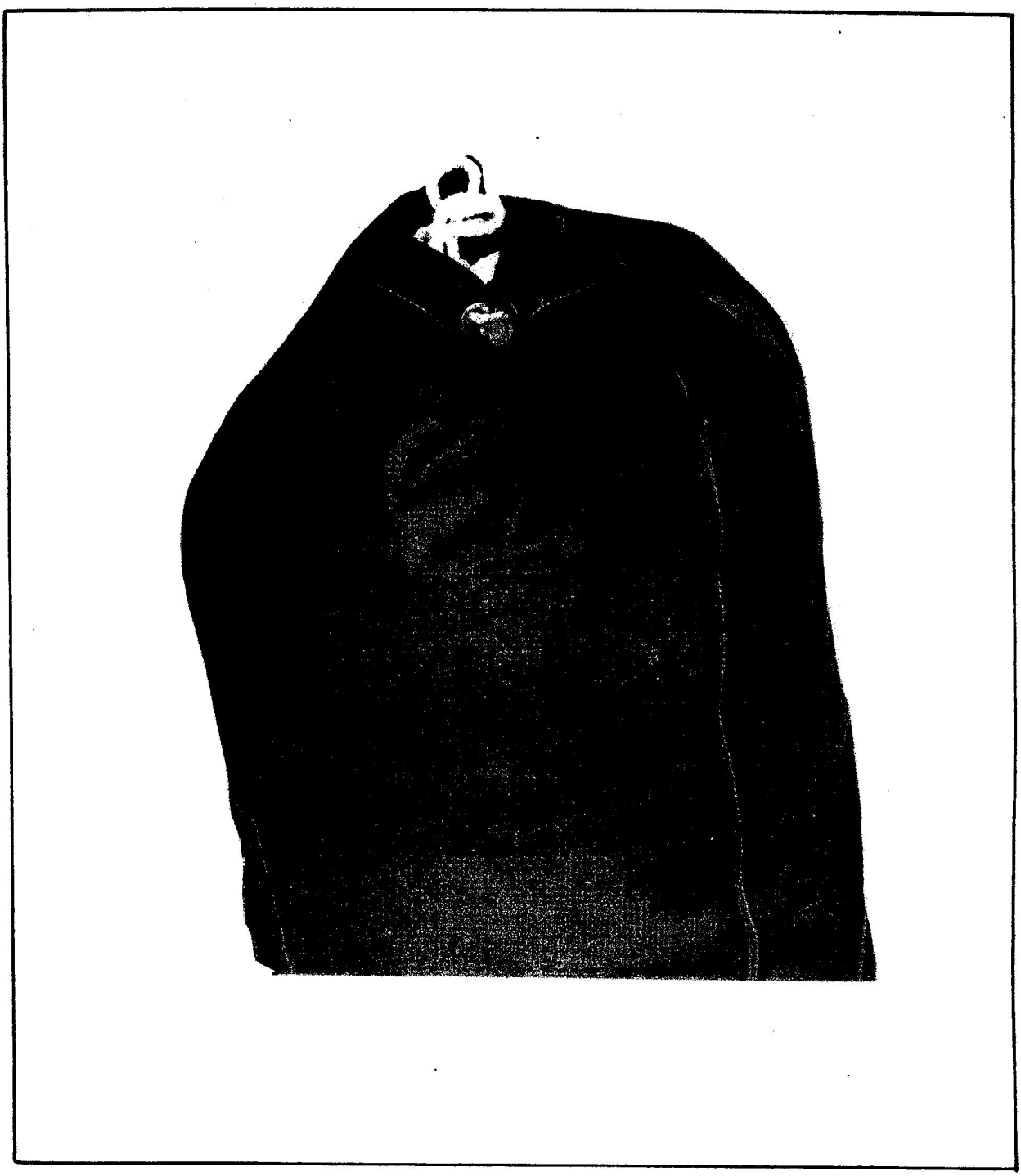


Figure 4 Sealing of Survival Sleeping Kit

Figure 5 Sealing of Kit, First Aid, General Purpose (Metal Container)

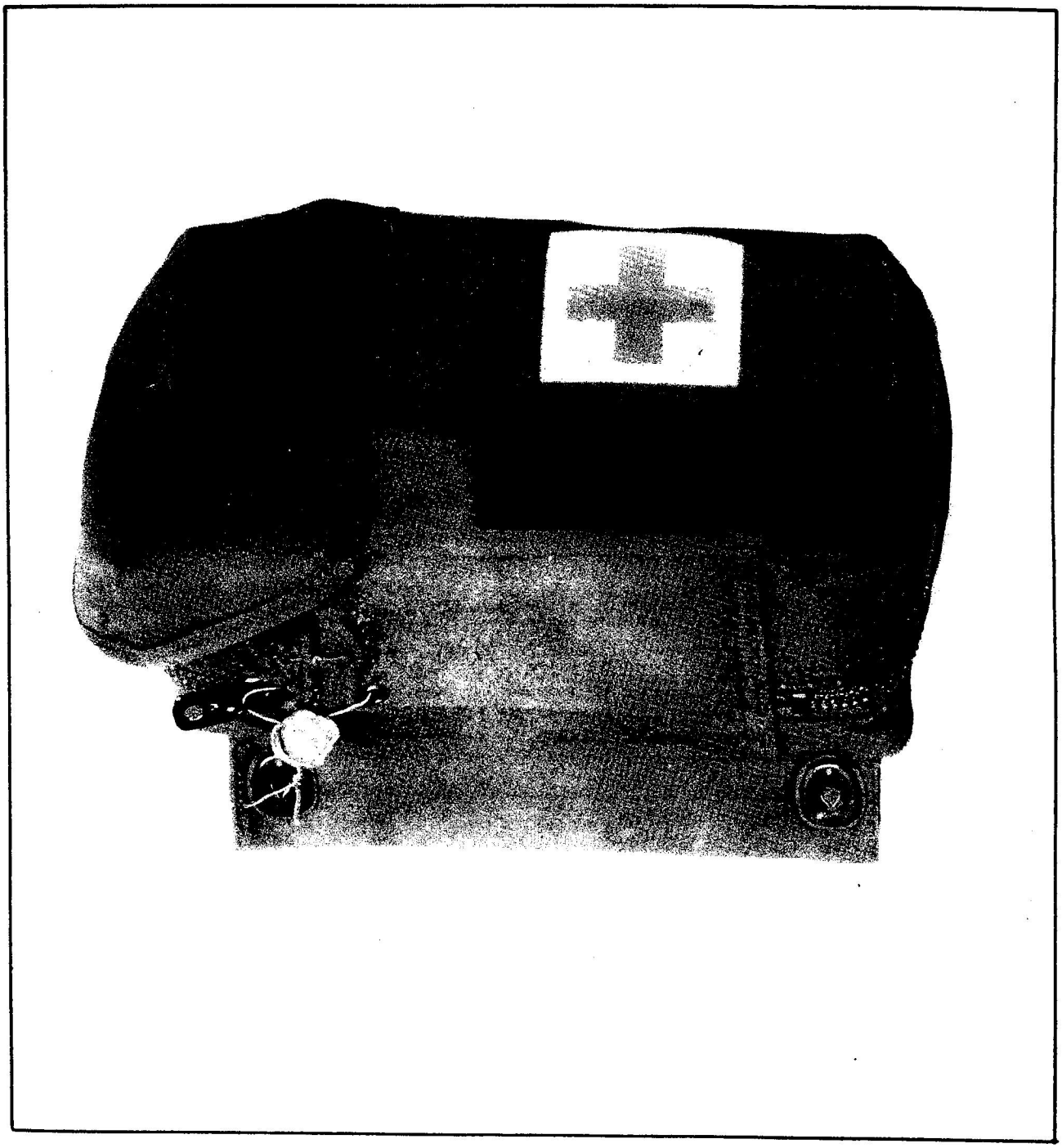
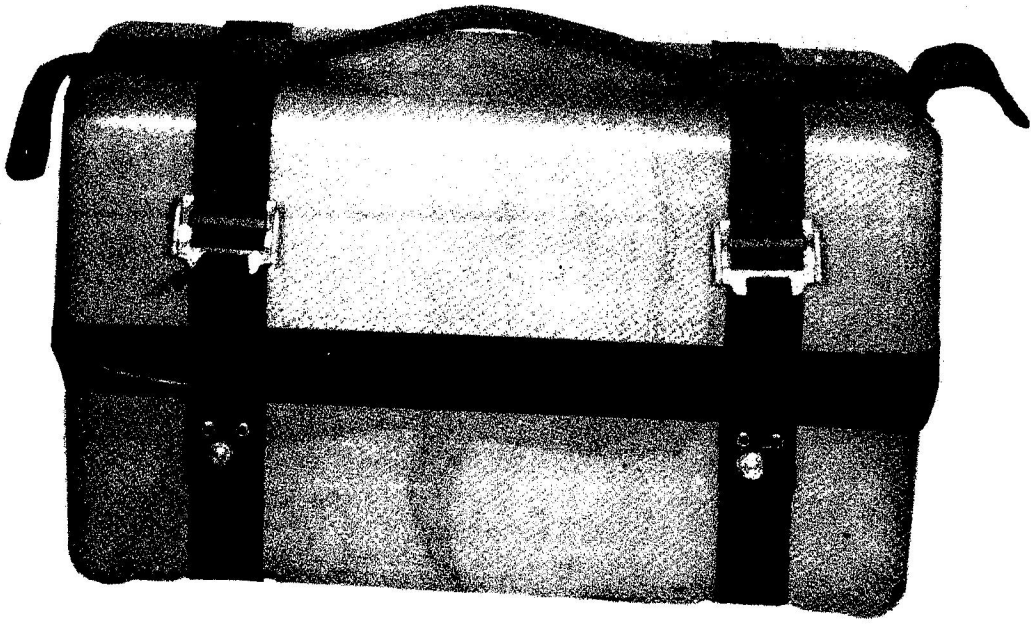


Figure 6 Sealing of Kit, First Aid, General Purpose (Canvas Container)

Figure 7 Sealing of Kit, First Aid, Battle Dressing, Universal



TO FURTHER PROTECT KITS FROM ENTRY OF WATER, EDGE IS TAPED WITH 33G/6 TAPE ADHESIVE WATER RESISTANT BACKING 2" WIDE. SECURITY SEALING IS DONE BY PASSING LOCKING WIRE DOWN THROUGH GROMMETS ON ONE SIDE AND UP THROUGH ON THE OTHER SIDE, THEN SEALING ENDS OF WIRE WITH LEAD SEAL.

NOTE

GROMMETS ON THE LOOSE END OF WEBBING MUST BE POSITIONED EITHER OPPOSITE OR HIGHER THAN THE GROMMETS ON TIGHTENED PORTION TO ENSURE SECURITY.

Figure 8 Sealing of Survival Kit Life Raft (Fibreglas Container)

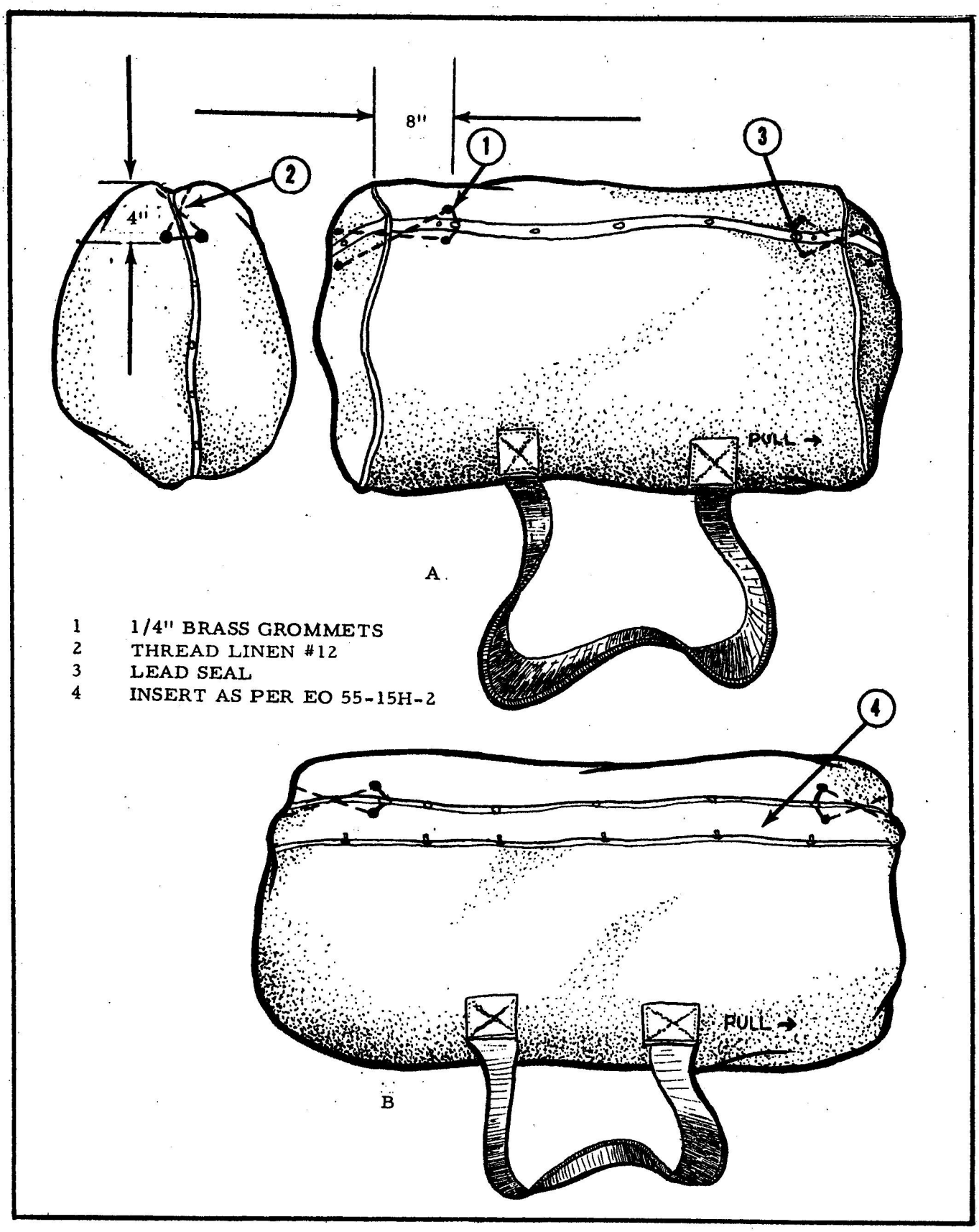


Figure 9 Sealing of Valise Containing Multi-Seat Life Raft

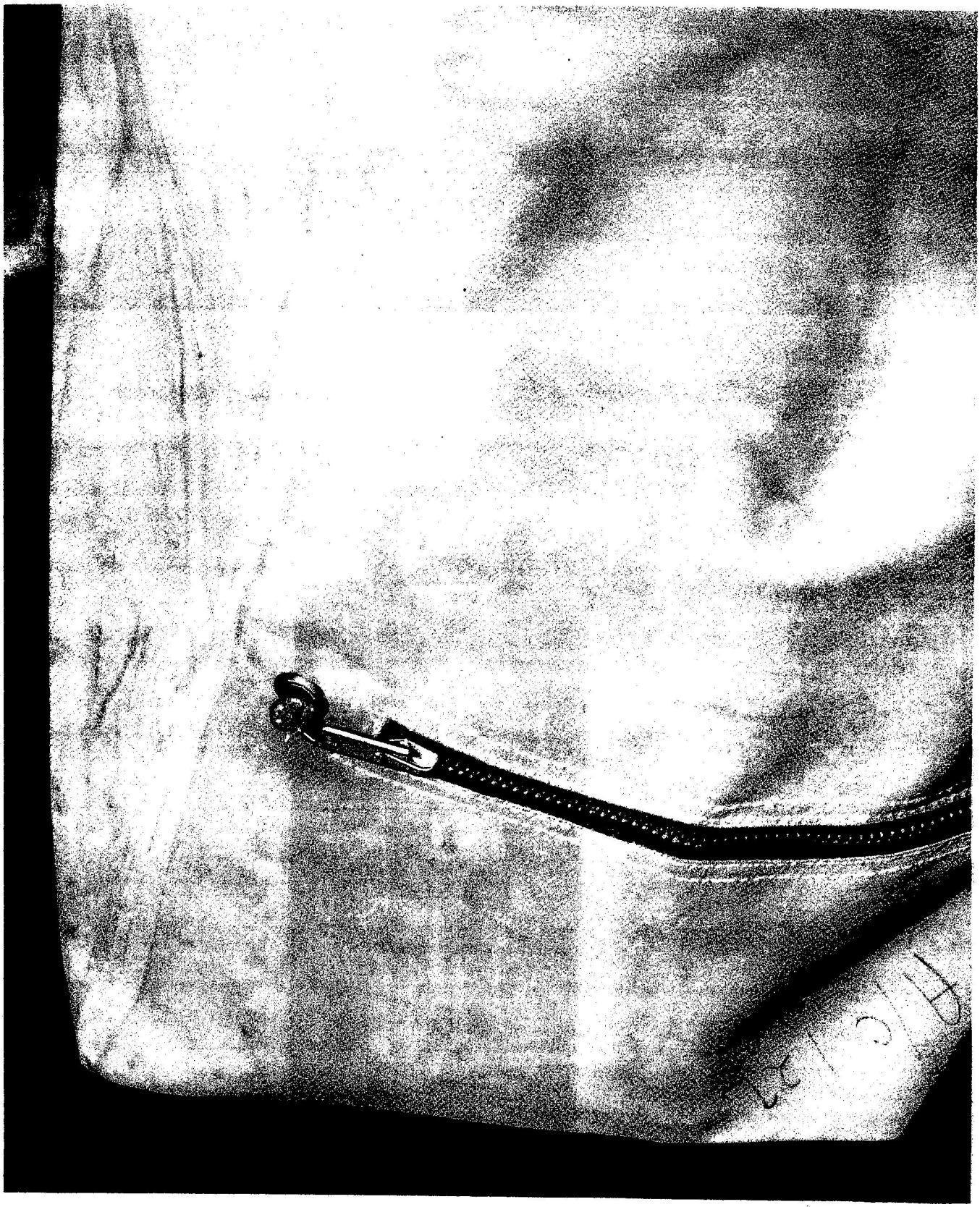


Figure 10 Sealing of Survival Kit Life Raft used in Neptune Aircraft

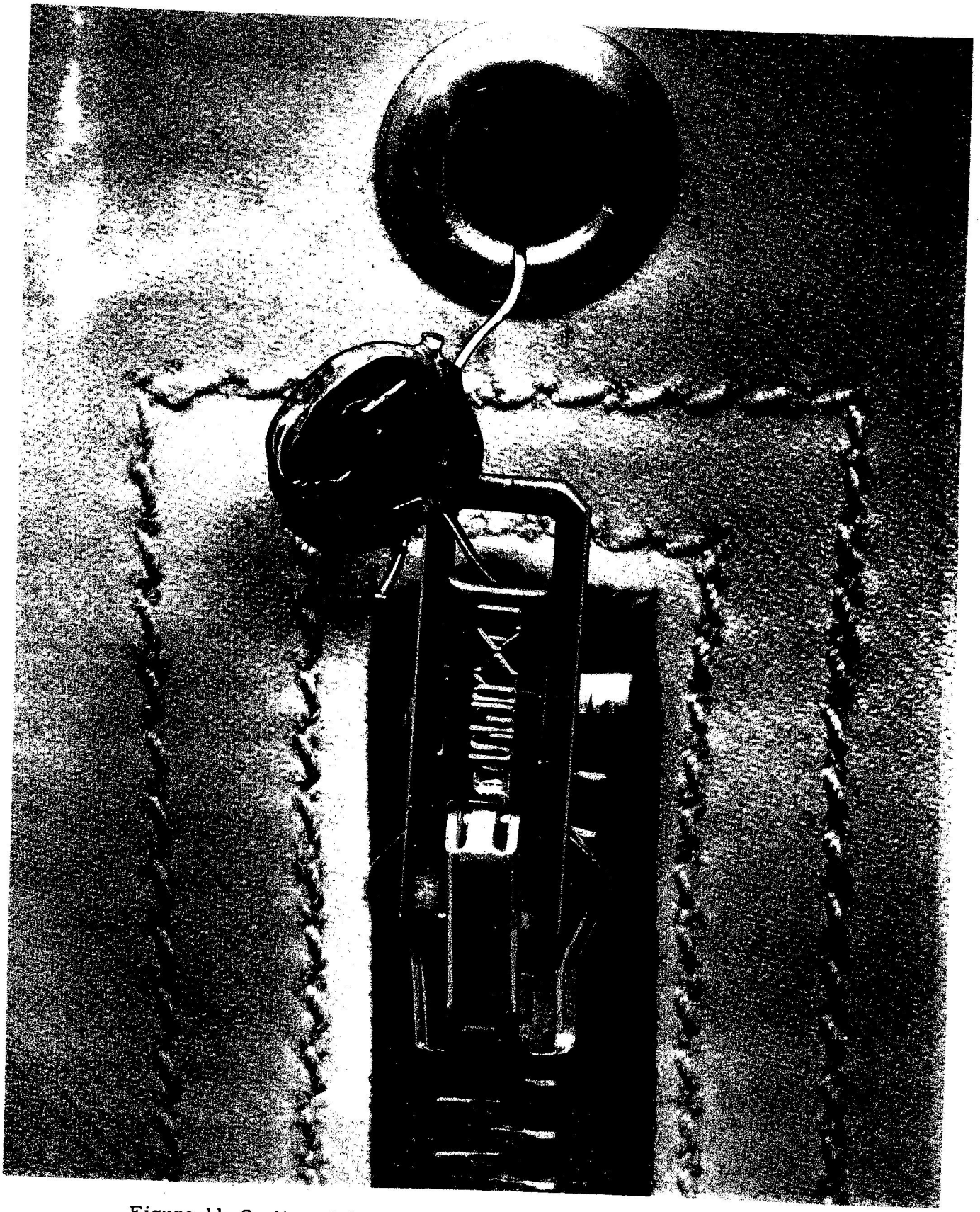


Figure 11 Sealing of Survival Kit Life Raft used in Neptune Aircraft

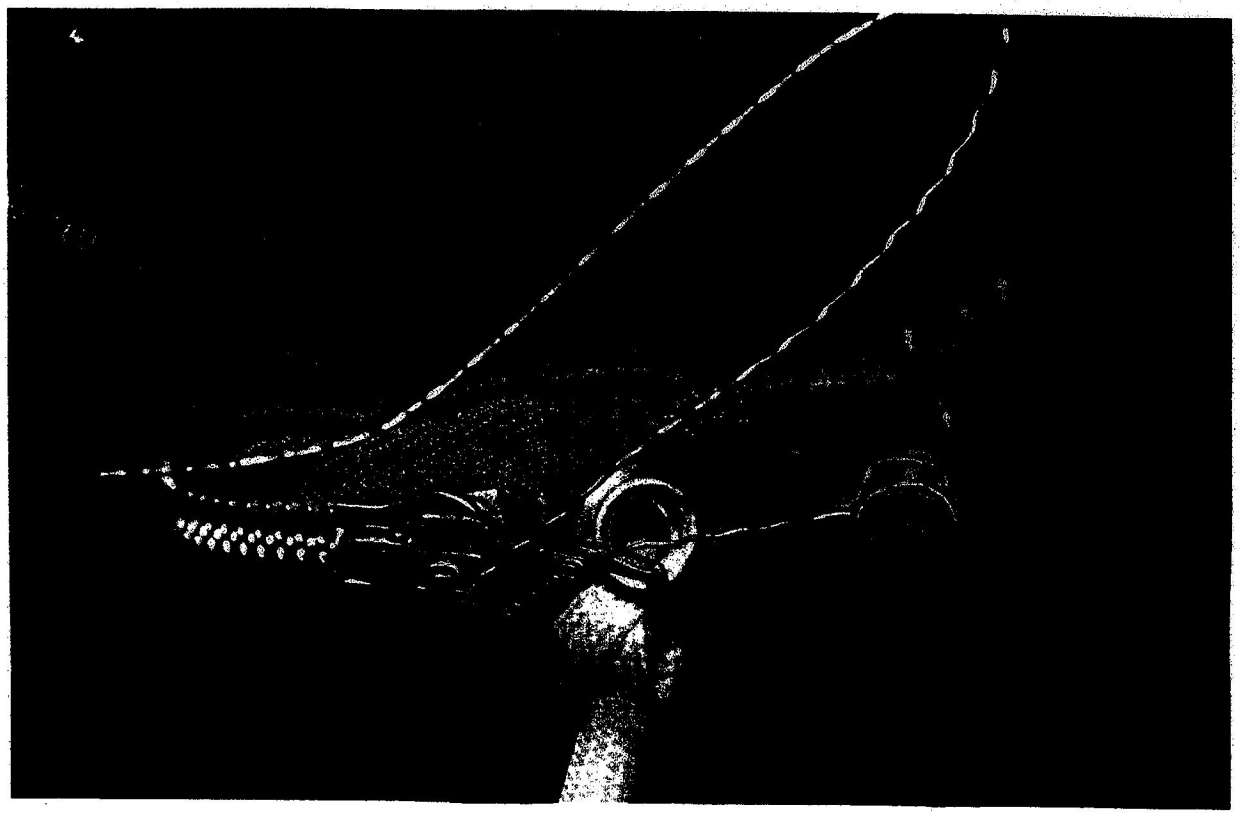


Figure 12

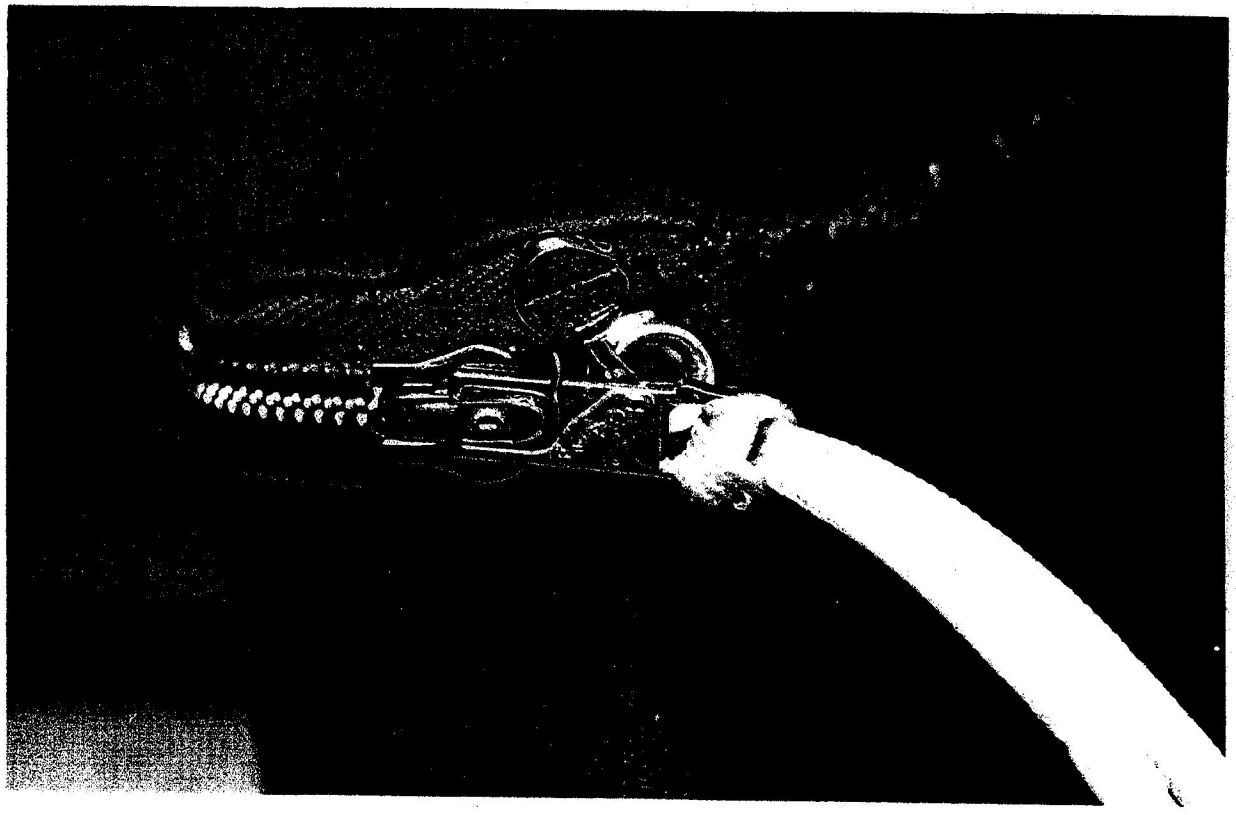


Figure 13

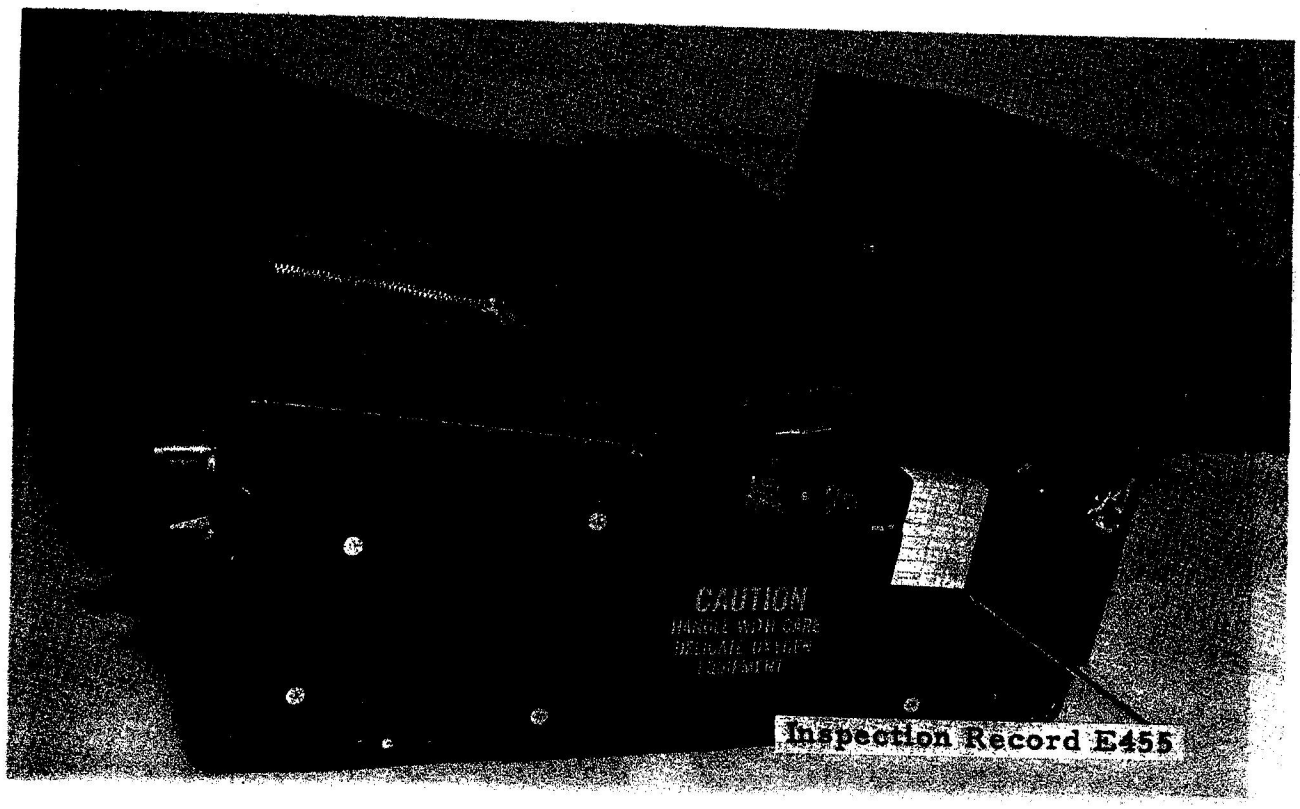


Figure 14 Seal Installed on Survival Kit Seat Pack CF101 and CF104