

CHAPTER 10

RIGID SEAT SURVIVAL KIT - 8 SERIES

(EAST/WEST)

Section 10-1. Description

10-1. GENERAL.

10-2. The Rigid Seat Survival Kit - RSSK-8 Series is designed for use with Douglas ESCAPAC ejection seats and functions as a seat cushion for the aircrewman as well as a container for an emergency oxygen system, liferaft and survival equipment (figures 10-1 and 10-2). The kit is manufactured by East/West Industries (CAGE 30941).

NOTE

All artwork in this chapter depicts the RSSK-8E configuration unless otherwise noted.

The RSSK-8E differs from other East/West RSSK-8 Series kits in that it incorporates an adjustable pressure reducer, new integrated corner brackets with replaceable side harness assemblies, a carrying handle, and a new seat cushion assembly.

10-3. CONFIGURATION.

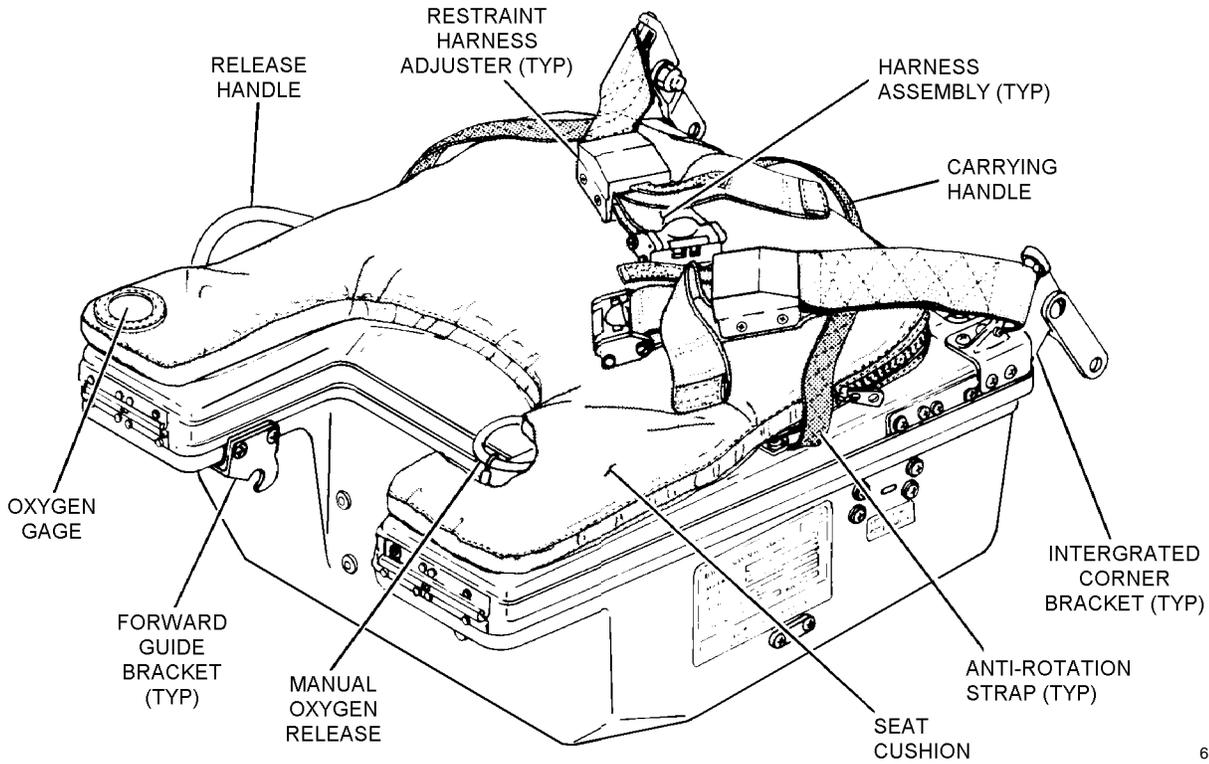
10-4. The RSSK-8 is constructed of a bonded fiberglass body and an extruded metal lip interconnecting the upper and lower containers. The kit is opened by the yellow handle mounted on the forward right side. Two adjustable retaining straps, mounted on the upper container, provide attachment of the kit to aircrewman's torso harness. A flexible oxygen and communications hose installed on the aft left side of upper container provides connection for communications and oxygen functions between aircraft and aircrewman. The upper container assembly also houses a 53 cu in., 1800 psi, emergency oxygen cylinder capable

of supplying over 10 minutes of breathing oxygen for high altitude bailout. Or, in the event of a failure of the aircraft oxygen system, emergency oxygen is available by pulling the manual oxygen release on the kit. Oxygen from the kit then flows to the aircrewman through the emergency oxygen system reducer in the kit. A check valve in the oxygen line prevents emergency oxygen from flowing into aircraft system or overboard from kit. The reducer is automatically operated by a lanyard connected between the actuator and aircraft structure during ejection. The lower container, the liferaft and survival equipment.

10-5. When seated aboard the aircraft, the aircrewman connects the kit quick-release fittings on his retaining straps to his torso harness. The personal service leads are connected via quick-disconnect fittings. These leads can be quickly disconnected by pulling the leads at the disconnect points.

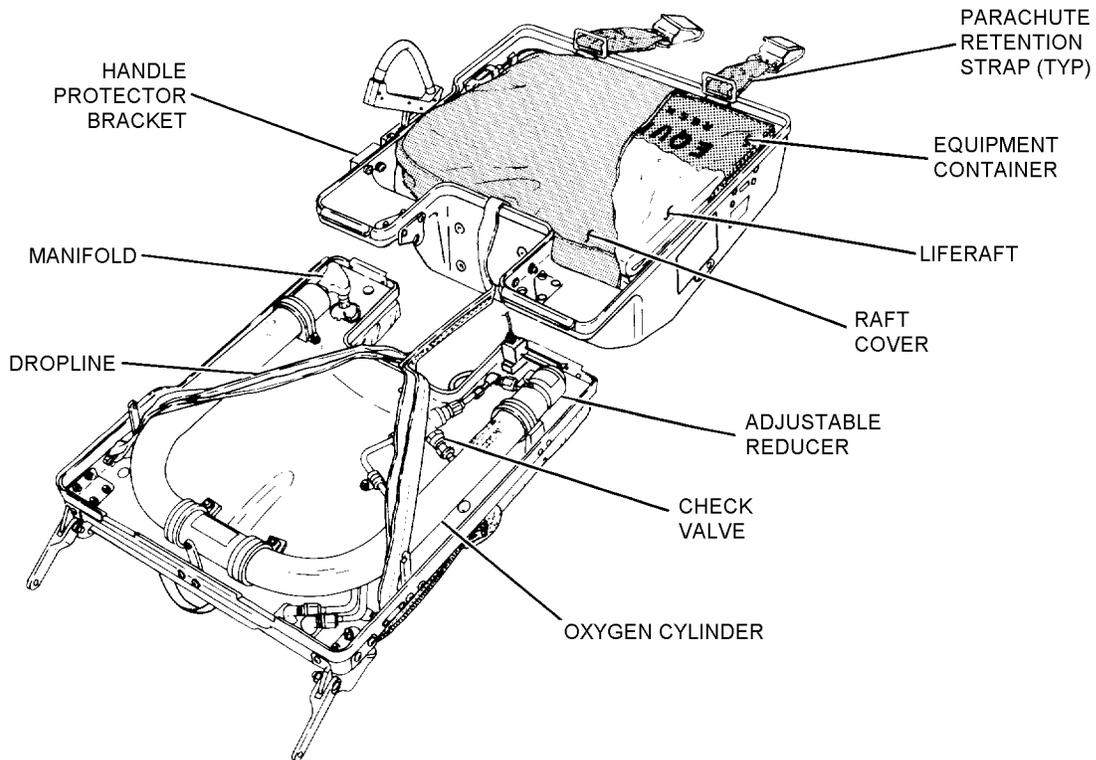
10-6. SUBASSEMBLIES. The major subassemblies of the RSSK-8 are:

1. Emergency Oxygen System
2. Upper and Lower Containers
3. Release Mechanism
4. Dropline
5. Cushion
6. Hose Assembly
7. Survival Equipment Container
8. Harness Assembly



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Figure 10-1. RSSK-8 Closed



63-995

Figure 10-2. RSSK-8 Open

10-7. REFERENCE NUMBERS, ITEMS AND SUPPLY DATA.

10-8. Figures 10-19 through 10-23 for RSSK-8 and figures 10-24 through 10-29 for RSSK-8E contain information on each assembly, subassembly, and component parts. The figure and index number reference or part number, description, and units per assembly are provided.

10-9. APPLICATION.

10-10. The RSSK-8 is a part of the survival equipment used by aircrewman aboard aircraft listed in table 10-1.

Table 10-1. RSSK-8 Application

| Escape System | IC-3 | IF-3 | IG-3 | IE-1 |
|---------------|-----------------------------------------|--------------------------------|--------------------------------|------------------|
| Aircraft | A-4F A-4M EA-4F TA-4F TA-4J | A-4F A-4M TA-4F TA-4J | A-4F A-4M TA-4F TA-4J | S-3A (Note 1) |

Notes: 1. Survival kits used in S-3A Type A/C must be updated to provide compatibility with AIC-14 Intercommunication Systems and the Integrated Communication Control System. Refer to Section 10-2, Modifications.

10-11. FUNCTION.

10-12. When the aircrewman ejects from the aircraft, the following functions occur:

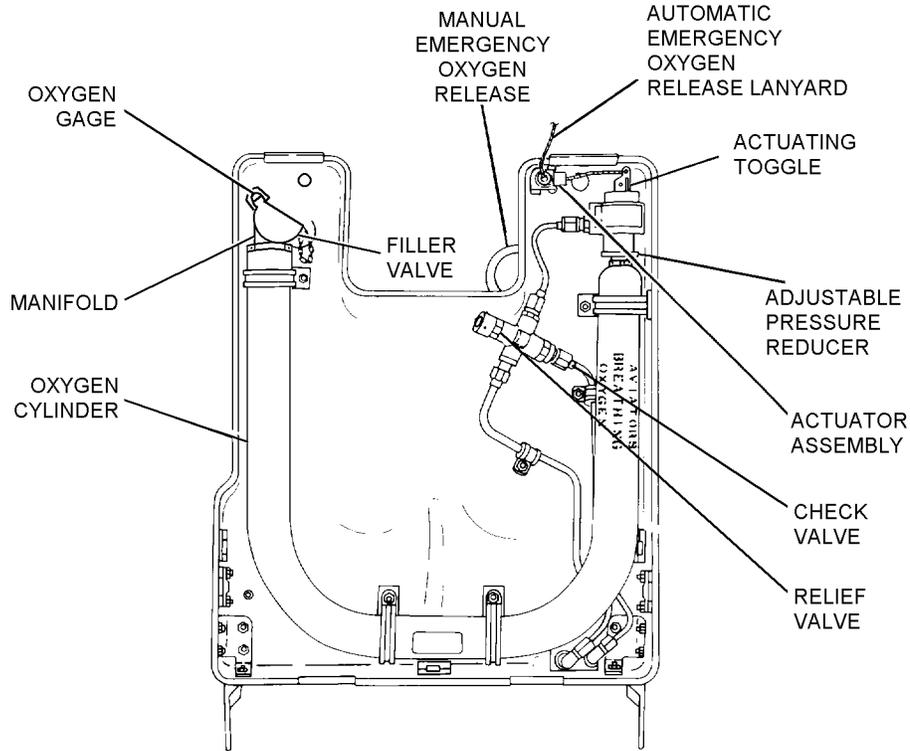
1. The automatic actuation lanyard for the emergency oxygen system actuates the reducer assembly at seat ejection. The aircrewman is then supplied emergency oxygen for descent (figure 10-3).

NOTE

If automatic actuation of the emergency oxygen system fails, the emergency oxygen system may be actuated by means of the manual oxygen release (green ring).

2. The radio beacon is also actuated by means of an automatic actuation lanyard upon seat ejection. The beacon will provide a continuous signal during descent.

3. When a safe altitude is reached, the aircrewman pulls the kit release handle free of the kit. This unlocks the containers and the lower half falls away but remains attached by the dropline assembly. The life-raft, attached to the dropline, is automatically inflated when dropline reaches maximum extension and snubbing action initiates life-raft inflation assembly.



63-996

Figure 10-3. Emergency Oxygen System

Section 10-2. Modifications

10-13. GENERAL.

10-14. The RSSK-8 shall be updated by comparing the configuration of the assembly with the directives

listed in [table 10-2](#). Repair, fabrication, and installation instructions to maintain serviceability are listed in [table 10-3](#).

Table 10-2. Directives

| Description of Modification | Application | Modification Code |
|------------------------------------------------------------------------------|-----------------------------------------|-------------------------|
| Securing of RSSK-8A-1 Equipment Container | All RSSK-8A-1 Series Kits | 66-332 |
| Modification of Emergency Oxygen Release Assembly | RSSK-8A-1 (P/N 102J100-1) | 66-325 Part II Amend. I |
| Installation of Third Latch at the Rear of Kit | RSSK-8A-1 (P/N 102J100-1/-3) | 66-379 |
| Installation of Structurally Improved Hardware | RSSK-8A-1 (P/N 102J100-5) | 66-377 |
| Installation of the Toggle Modification Kit on the Pressure Reducer Assembly | Only on the RSSK-8D's Seat Survival Kit | 66-484 |

Table 10-3. Repairs/Fabrications/Installations

| Description of Repair/ Fabrication/Installation | Application | Paragraph |
|-----------------------------------------------------------------|-----------------------------------------|---------------------------|
| Installation of CX-13017/AR Electrical Cable Assembly (32-Inch) | All RSSK-8 Series Kits Used in S-3A A/C | Chapter 4 |

Section 10-3. Rigging and Packing

10-15. GENERAL.

10-16. Unless operational requirements demand otherwise, rigging and packing of the RSSK-8 shall be accomplished at Intermediate Level of maintenance by qualified personnel in accordance with applicable aircraft maintenance requirement cards (MRCs).

NOTE

Quality assurance steps are provided for critical operations. When a step is underlined, the Aircrew Survival Equipmentman shall perform the operation and then have performance verified by Quality Assurance (QA).

10-17. RIGGING AND PACKING PROCEDURES.

10-18. Rigging and packing of the RSSK-8 is accomplished in eight separate operations as follows:

1. Preliminary Procedures
2. Radio Beacon Rigging and Installation
3. Survival Equipment Binding
4. Survival Equipment Packing
5. Stowing Dropline
6. Liferaft Preparation, Folding, Rigging and Packing
7. Closing Container

8. Cockpit Routing and Installation of the Emergency Radio Beacon Lanyard

10-19. PRELIMINARY PROCEDURES. The following preliminary procedures shall be accomplished prior to rigging and packing the RSSK-8.

1. Ensure RSSK-8 and components have been inspected in accordance with [Section 10-5](#).
2. Inspect oxygen hose assemblies in accordance with [Chapter 4](#).
3. Remove upper container assembly from lower container assembly.
4. Remove liferaft cover. Inspect liferaft cover for damaged fabric and loose, broken, or frayed stitching.

WARNING

CO₂ bottle is under pressure. Use caution when disconnecting CO₂ bottle from liferaft. Do not loosen or attempt to remove inflation valve assembly from CO₂ cylinder.

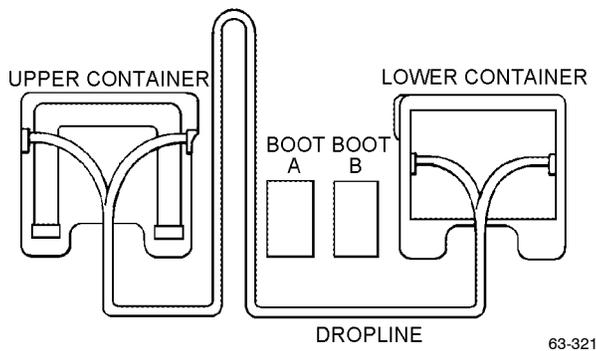
CAUTION

Ensure actuating line is disconnected from CO₂ cylinder inflation valve before removal of CO₂ cylinder from liferaft.

5. Disconnect CO₂ cylinder from liferaft as follows:

NAVAIR 13-1-6.3-1

- a. Carefully remove liferaft from container
 - b. Disconnect actuation line from CO₂ cylinder
 - c. Disconnect CO₂ cylinder from liferaft
 - d. Remove large loop of drop line from CO₂ cylinders neck
 - e. Ensure anti-chafing disc is installed. Reconnect CO₂ cylinder to liferaft finger tight. If functional test is required torque valve 80 to 90 in-lbs.
6. Ensure liferaft and CO₂ cylinder have been inspected in accordance with NAVAIR 13-1-6.1-1.
 7. Remove dropline from boots and align kit components on a clean flat surface as shown.



Step 7 - Para 10-19

NOTE

A newly fabricated or procured dropline assembly will have a final dimension of 26 feet, 4 inches \pm 2 inches. However, a dropline assembly is subjected to a certain amount of stretch during its stowing process, and shrinkage during its cleaning process, therefore a tolerance of \pm 12 inches is acceptable for an older dropline assembly.

8. Inspect dropline to ensure proper attachment to upper and lower containers. Also ensure dropline length is 26 feet, 4 inches \pm 12 inches.

9. Ensure survival items have been inspected in accordance with NAVAIR 13-1-6.5.

NOTE

Ensure battery service life does not expire prior to the next scheduled inspection cycle of the assembly in which the radio set is installed. Refer to NAVAIR 16-30URT33-1 for battery service life.

10. Remove radio beacon set from kit and ensure that the battery and radio beacon have been inspected in accordance with NAVAIR 16-30URT33-1.

11. Check seat pan and cushion assembly for cuts, tears, and abrasions, and hardware for security of attachment, corrosion, damage, wear, and ease of operation.

12. (Before ACC 377) Ensure security of closure strap and attaching hardware.

10-20. RADIO BEACON RIGGING AND INSTALLATION. To rig and install the AN/URT-33 Emergency Radio Beacon, proceed as follows:

Materials Required

| Quantity | Description | Reference Number |
|-------------|------------------------------------------|------------------------------------------------|
| 1 | Beacon Set, Radio AN/URT-33A | MIL-B-38401A NIIN 00-160-2136 |
| 1 | Actuator Indicator Assembly | CL204D3-11 (CAGE 80206) NIIN 00-127-5597 |
| 1 | Pin, Cotter, Hair-pin | LHCOTC (CAGE 96652) NIIN 00-956-5635 |
| 3 | Rubber Bands (Type I) | MIL-R-1832 NIIN 00-568-0323 |
| As Required | Thread, Nylon Type II, Class A, Size E | V-T-295 NIIN 00-244-0609 |
| 1 | Lanyard, Actuating, AN/URT-33A (Not [1]) | CL204C4-5 |
| 1 | Lanyard, Actuating, AN/URT-33A (Not [2]) | CL204C4-6 |

- Notes:
1. S-3 aircraft pilot and copilot positions, 1 each.
 2. S-3 aircraft TACCO and SENSO positions, 1 each, and A-4/TA-4 aircraft.

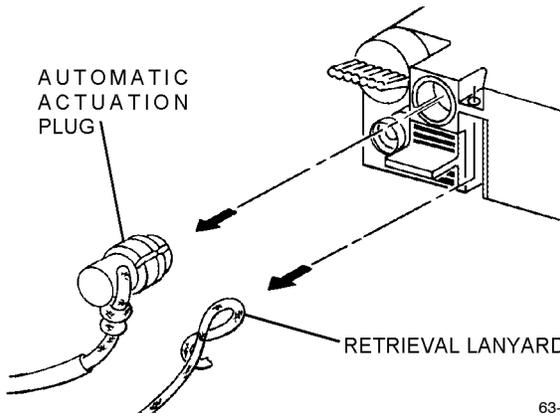
NOTE

Ensure slider switch on radio beacon is OFF. Slider switch is in OFF position when word ON is not visible on radio beacon housing.

Determine if beacon has been modified in accordance with steps 1 through 3 before proceeding to step 4.

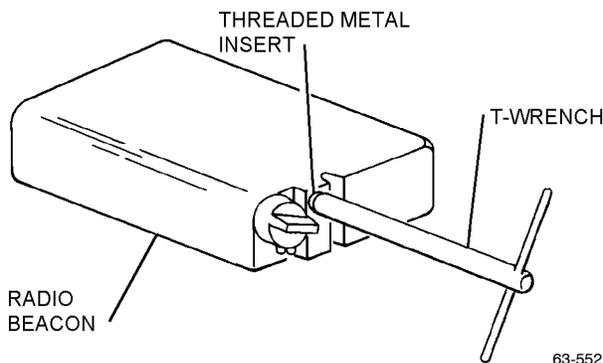
Retain automatic actuation plug, lanyard, and metal insert in shop area for future possible use.

1. Remove and retain automatic actuation plug and lanyard. Remove and discard radio beacon retrieval lanyard.



Step 1 - Para 10-20

2. Remove and retain threaded metal insert from beacon using T-wrench. (See paragraph 10-77 for fabrication of T-wrench.)

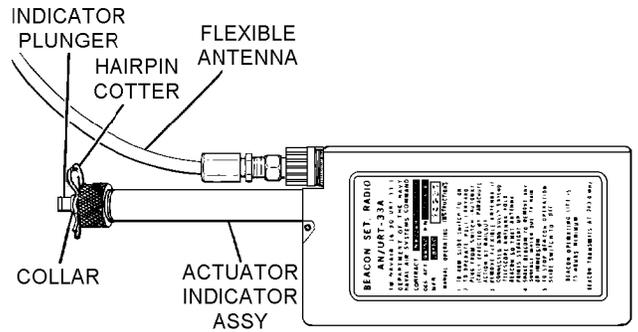


Step 2 - Para 10-20

3. Connect flexible antenna to radio beacon. Push bayonet-type fitting in and turn to right.

4. Install actuator indicator assembly (P/N CL204D3-11) handtight in beacon position from which threaded metal insert was removed.

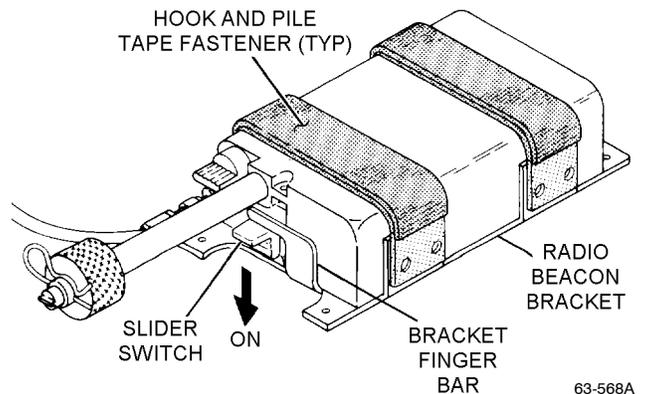
5. Depress indicator plunger, align holes in plunger and collar, and insert hairpin cotter.



Step 5 - Para 10-20

6. Ensure hairpin cotter and collar are free to rotate 360° without binding. If hairpin cotter and collar are free proceed to step 7. If hairpin cotter and collar do not rotate, refer to NAVAIR 16-30URT33-1.

7. Place ON/OFF slider switch in ON (armed) position and install beacon assembly in radio beacon bracket in lower container. Ensure slider switch is in ON position under bracket finger bar, then secure beacon in bracket using hook and pile tape fastener.



Step 7 - Para 10-20

8. Route flexible antenna around periphery of lower container.

NAVAIR 13-1-6.3-1

10-21. SURVIVAL EQUIPMENT BINDING. Ensure all survival items have been inspected in accordance with NAVAIR 13-1-6.5 Technical Manual before binding. To bind survival items, proceed as follows (table 10-4).

NOTE

To prevent loss of survival items, individually tie and then tie to 140-inch length of nylon cord. Nylon cord of prescribed lengths required for this procedure shall be sealed at both ends to prevent fraying (table 10-5).

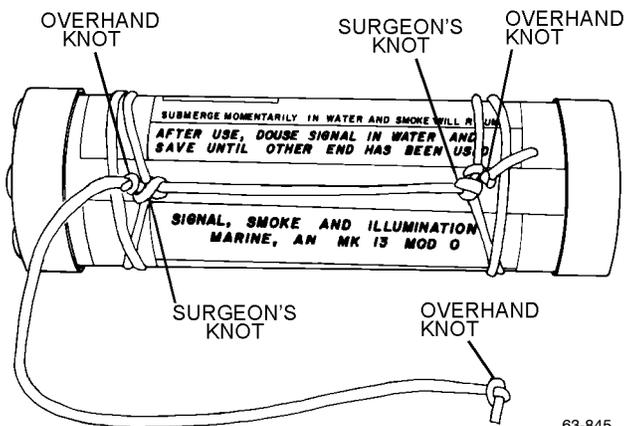
All cord used shall be Type I nylon (MIL-C-5040).

1. Using a 36-inch piece of nylon cord, tie an overhand knot in each end. Wrap end of cord two overlapping turns around end of signal flare and tie with surgeon's knot. Position tie so cord-end overhand knot rests snugly against surgeon's knot.

NOTE

Cord between end-ties shall be drawn tight.

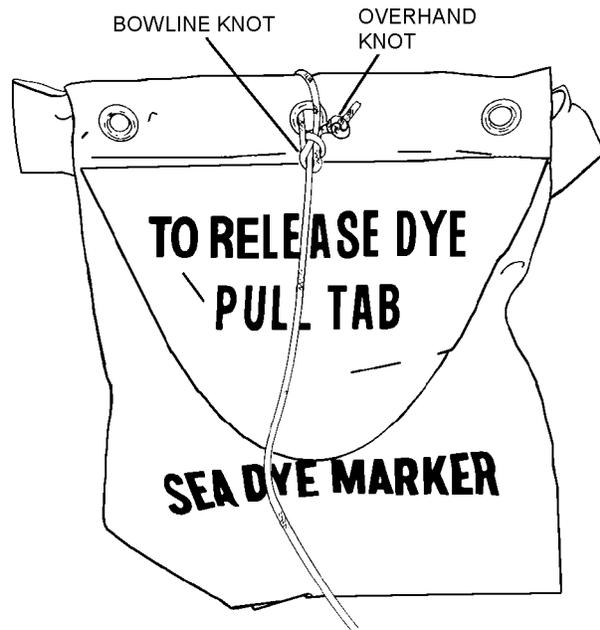
2. Route cord to opposite end of signal flare. Wrap cord two overlapping turns around flare and tie with surgeon's knot followed by an overhand knot positioned snugly against surgeon's knot.



Step 2 - Para 10-21

3. Tie second signal flare in the same manner.

4. Using a 12-inch piece of nylon cord, tie an overhand knot near each end. Pass overhand knot through center grommet in dye marker and tie a bowline knot, allowing approximately a 1-inch loop. Bowline knot should lie snugly against overhand knot.



Step 4 - Para 10-21

5. Tie the second sea dye marker in the same manner as step 4.

Table 10-4. Survival Kit Items (Note 1)

| Item Name | Quantity | Reference Number |
|-------------------------------------------------------------------------------|----------|-------------------|
| Cord, Fibrous (Nylon) Type I | 50 ft | NAVAIR 13-1-6.5 |
| Signal, (Flare), Smoke and Illumination, MK-13 MOD 0 or MK-124 MOD 0 (Note 2) | 2 | NAVAIR 13-1-6.5 |
| Sea (Dye) Marker, Fluorescein | 2 | NAVAIR 13-1-6.5 |
| Sponge, (Bailout), Cellulose Type 2, Class II | 1 | NAVAIR 13-1-6.5 |
| SRU-31/P Survival Kit Packet #1 (Medical) (Note 3) | 1 | NAVAIR 13-1-6.5 |
| SRU-31/P Survival Kit Packet #2 (General) (Notes 3 and 4) | 1 | NAVAIR 13-1-6.5 |
| SRU-31A/P (Note 8) | Optional | NAVAIR 13-1-6.5 |
| Water, Drinking, Canned (Note 5) | 1 | NAVAIR 13-1-6.5 |
| Water, Drinking, Emergency (Note 7) | 3 | NAVAIR 13-1-6.5 |
| Opener, Can, Hand | 1 | NAVAIR 13-1-6.5 |
| Ground/Air Emergency Code Card | 1 | NAVAIR 13-1-6.5 |
| Blanket, (Combat) Casualty (3 oz.) (Note 6) | 1 | NAVAIR 13-1-6.5 |
| Envelope, Packing List | 2 | NAVAIR 13-1-6.5 |
| Beacon Set, Radio | 1 | NAVAIR 13-1-6.5 |
| Liferaft, Inflatable | 1 | NAVAIR 13-1-6.1-1 |
| Lowering Device (Note 6) | 1 | NAVAIR 13-1-6.5 |

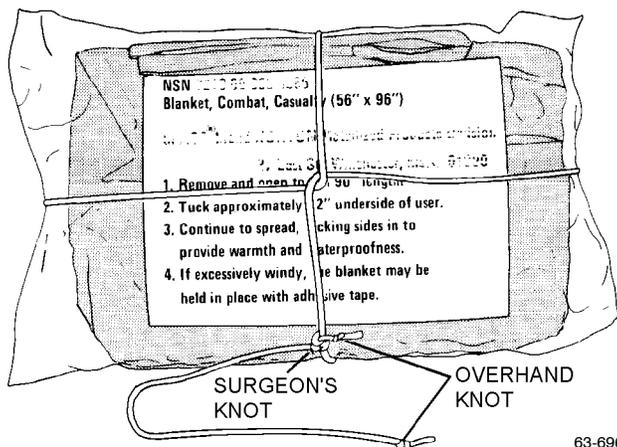
- Notes:
- The items listed are typical and are considered mandatory for inclusion in the survival kit container. Deviation from the listed items may be required by certain Functional Air Wings (FUNCWINGS), Carrier Air Wings (CVW), COMFAIRS, or Marine Air Wings (MAW). Requests for deviations must be forwarded to and authorized by TYCOMS and with information to Fleet Support Team (FST) at NAVAIR-WARCENACDIV Patuxent River MD via Naval Message. When optional items are substituted, particular attention must be paid to the binding sequence so that physical sizes and binding order of substituted items remain approximately the same. That portion of an item name in parentheses is a common-use name or container size and is not intended for supply requisition purposes.
 - MK-13 MOD 0 shall be used until stocks are depleted, then MK-124 MOD 0 will replace MK-13 MOD 0 as stocks become available.
 - SRU-31/P complete kits including Medical Packet (#1) and General Packet (#2) may be ordered; instructions for packing and ordering these kits are found in NAVAIR 13-1-6.5.
 - Packet #2 must be stowed on aviator's person if kit includes lowering device.
 - One additional canned water may be added as optional equipment.
 - Optional equipment.
 - When the supply for emergency canned water has been exhausted, order emergency bagged water in accordance with NAVAIR 13-1-6.5.
 - The selection of SRU-31/P or SRU-31A/P Individual Aircrewmember's Survival Kit will be at the discretion of the TYPE COMMANDER depending on mission requirements, reference NAVAIR 13-1-6.5, Chapter 9, for detailed information.

Table 10-5. Nylon Cord Lengths Required for Binding

| Length (Inches) | Number Required |
|-----------------|-----------------|
| 140 | 1 |
| 12 (Not @) | 4 |
| 30 | 2 |
| 36 | 2 |
| 40 | 2 |
| 50 (Not @) | 2 |

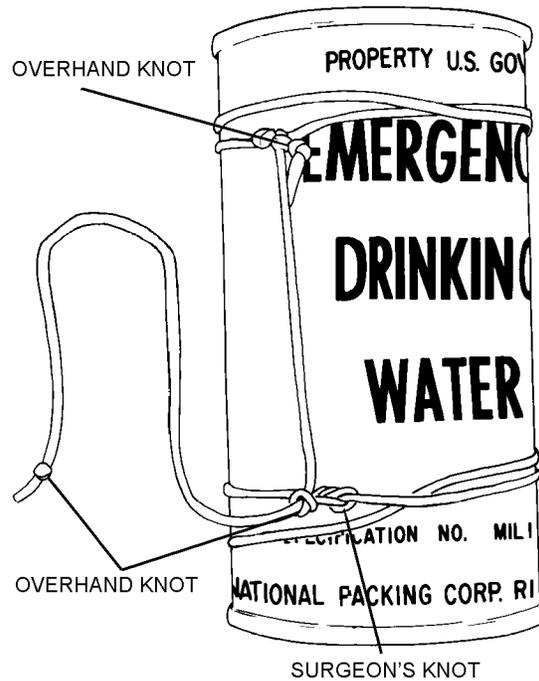
Notes: 1. When using bagged water in place of canned emergency water, the number of required 12 inch lengths will be a total of 5 and the required 50 inch lengths will be a total of 1.

6. If casualty blanket is included, tie an overhand knot near each end of a 30-inch piece of nylon cord. Wrap cord around blanket until both ends meet, then rotate cords 1/4 turn and wrap cords around opposite sides of space blanket. Tie with a surgeon's knot. Ensure cord-end overhand knot is positioned snugly against surgeon's knot.



Step 6 - Para 10-21

7. Using a 50-inch piece of nylon cord, tie an overhand knot near both ends. Wrap one end of cord two overlapping turns around end of canned water and tie with a surgeon's knot. Position so cord-end overhand knot rests snugly against surgeon's knot. Route cord to opposite end of can. Wrap cord two overlapping turns around end of can and tie with surgeon's knot followed by an overhand knot positioned snugly against surgeon's knot. Cord between end-ties shall be drawn tight.



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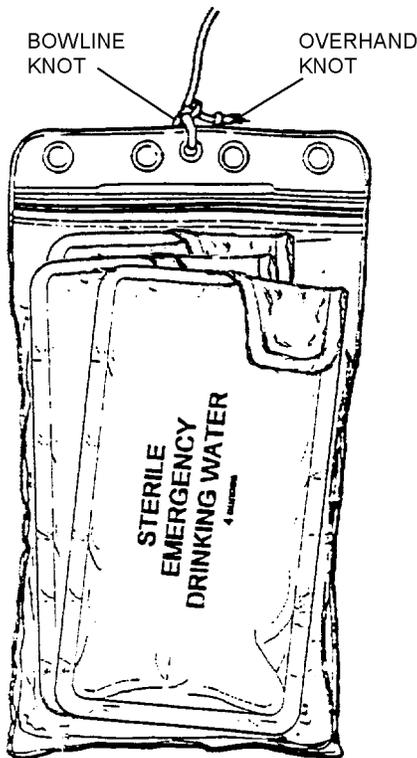
Step 7 - Para 10-21

8. If a second canned water is included, it shall be secured in the same manner as step 7.

NOTE

Replacement rate of exhausted canned water shall be in accordance with the NAV-AIR 13-1-6.5 manual. Bagged emergency drinking water shall be stowed in the same order as canned emergency water. The bags of water shall be stowed in a flat configuration.

9. Bagged water. Place a maximum of three 4-ounce bagged emergency drinking water flat inside a clear vinyl envelope (MIL-B-117) with pour spout folded down. Bagged water must be able to fit into envelope without disrupting the closure of the sealing slide fastener. Using a 12-inch length of cord, tie an overhand knot on each end and pass knot through center hole in envelope. Secure with bowline knot, allowing an approximate 1-inch loop. Position an overhand knot snugly against the bowline knot. Ensure overhand knot is snug against surgeon's knot.



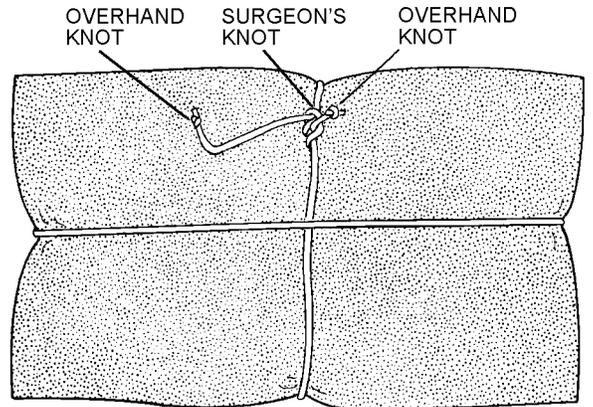
Step 9 - Para 10-21

NOTE

The bailing sponge should be compressed to a minimum thickness by compressing

while damp and then allowing to dry in the compressed state before tying.

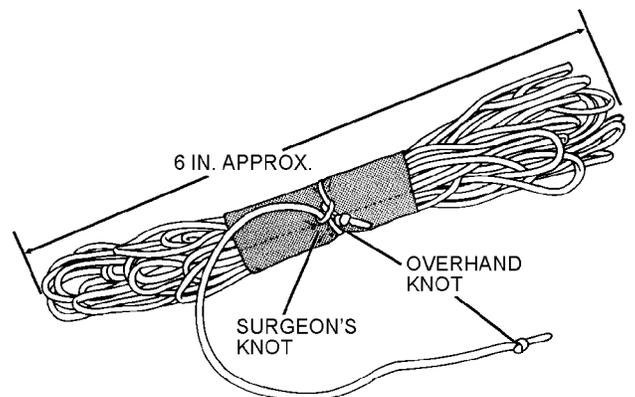
10. Using a 30-inch length of nylon cord, tie an overhand knot near the ends. Wrap cord around sponge until both ends meet, then rotate cord 1/4 turn and wrap cords around opposite sides of sponge. Tie with surgeon's knot. Ensure cord-end overhand knot is positioned snugly against surgeon's knot.



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Step 10 - Para 10-21

11. Cut one 2 x 3-inch piece of nylon duck material. Accordion fold the 50-foot length of nylon cord in 6-inch bights and wrap material around center of accordion folded cord. Using a 12-inch piece of nylon cord, tie an overhand knot near each end and secure one end of the cord to center of material with a surgeon's knot. Ensure cord-end overhand knot is positioned snugly against surgeon's knot.

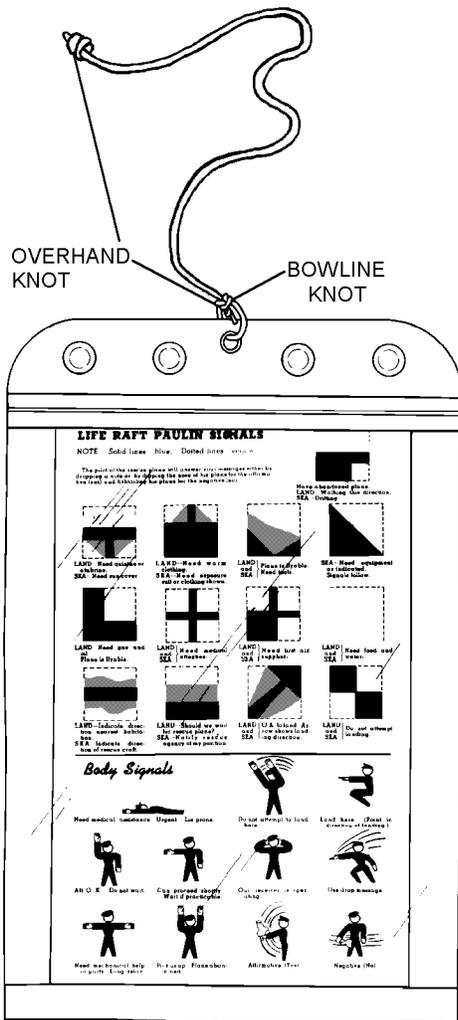


63-699

Step 11 - Para 10-21

NAVAIR 13-1-6.3-1

12. Place Ground/Air Emergency Code Card into clear vinyl plastic envelope (MIL-B-117) and close the sealing zipper. Using a 12-inch piece of cord, tie an overhand knot in one end and pass knot through center hole in envelope. Secure with a bowline knot, allowing a 1-inch loop. Cord-end overhand knot shall be positioned snugly against bowline knot.



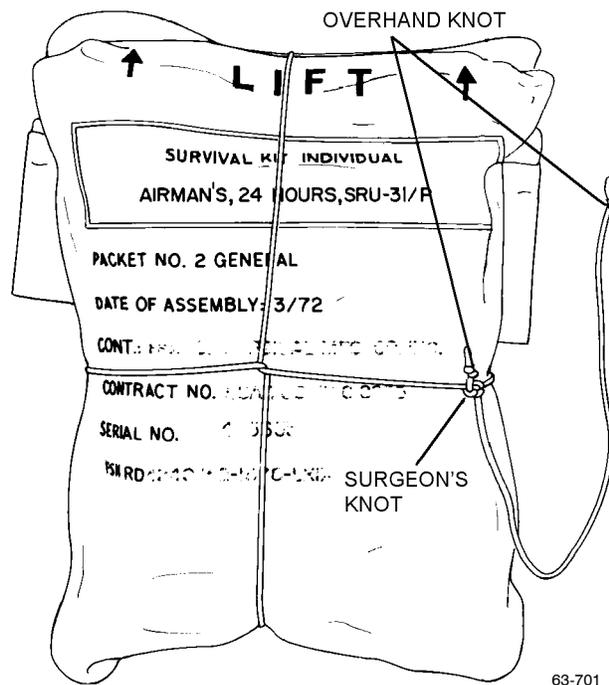
Step 12 - Para 10-21

NOTE

If the PLD (Personnel Lowering Device) is to be installed in the RSSK-8, the SRU-31/P Survival Kit shall be stowed on the aviator.

SRU-31/P Packet #1 (Medical) shall be folded approximately double prior to binding.

13. Using a 40-inch length of nylon cord, tie an overhand knot in both ends. Wrap cord around one packet of SRU-31/P Survival Kit until both ends meet, then rotate cords 1/4 turn and wrap cords around opposite sides of packet. Tie with a surgeon's knot. Cord-end overhand knot shall be positioned snugly against surgeon's knot.



Step 13 - Para 10-21

14. Secure the second SRU-31/P packet in the same manner as step 13.

15. Ensure survival items are properly tied.

16. Using the 140-inch length of Type I nylon cord, form a 3/4 to 1-inch overhand loop approximately 12 inches from one end. Continue forming loops every 5 inches until there are enough to accommodate all required survival items. Ensure minimum of 25 ± 1 inches of cord remain after forming the last overhand loop.

17. Tie each item to a loop on the 140-inch nylon cord (figure 10-4) using a surgeon's knot. Ensure each item's cord-end overhand knot is positioned snugly against surgeon's knot.



Ensure pointed end of can opener has adequate chafing cloth to prevent damage to other survival items.

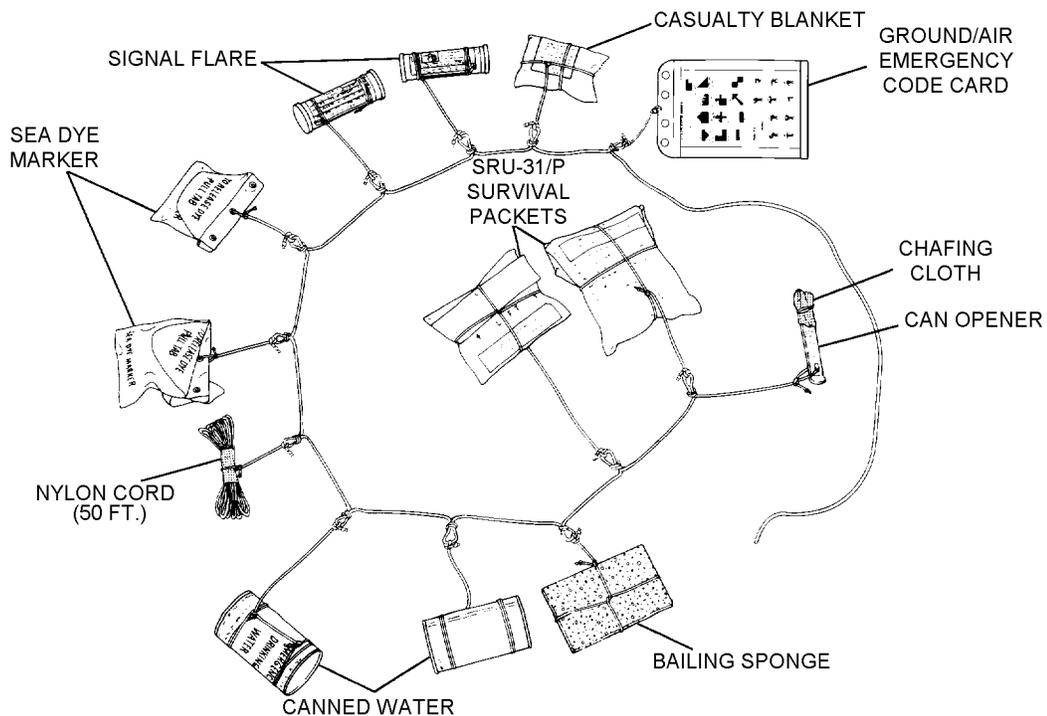
18. Route 12-inch end of the 140-inch cord through the hole in the can opener and secure with a 1-inch loop bowline knot, followed by an overhand knot drawn snugly against bowline knot. Wrap can opener with chafing cloth secured by a rubber band (figure 10-4).

10-22. SURVIVAL EQUIPMENT PACKING. To pack survival equipment, proceed as follows:

Materials Required

| Quantity | Description | Reference Number |
|-------------|-----------------------------------------|--------------------------------|
| As Required | Cord, Nylon, Type III, 550-Pound | MIL-C-5040 NIIN 00-240-2146 |
| As Required | Thread, Nylon, Type II, Class A, Size E | V-T-295 NIIN 00-244-0609 |

1. Place equipment container on table with attaching loops facing packer and the word EQUIPMENT facing up.



63-702A

Figure 10-4. Binding Survival Items

NAVAIR 13-1-6.3-1

2. Attach bitter end of 140-inch nylon cord (with attached survival items) to the left-hand loop on equipment container with a bowline knot (2-inch approx. loop) and an overhand knot positioned snugly against bowline knot.

3. Open equipment container by opening left slide fastener to the right.

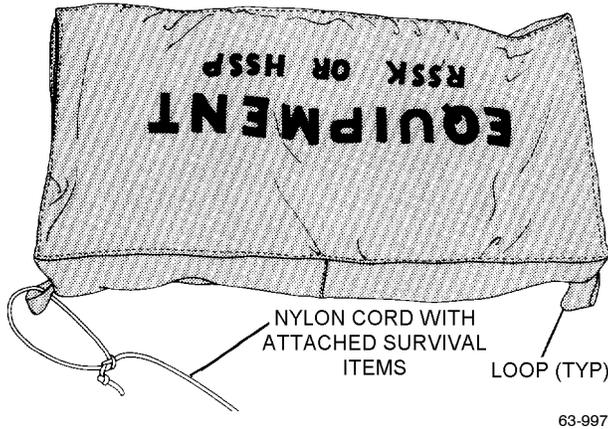
NOTE

Survival items shall be stowed in a neat and orderly fashion and the items shall be arranged to obtain the flattest possible pack.

4. Stow survival items within height, length and width of the equipment container.

5. Close equipment container.

6. Place equipment container in aft section of lower container with slide fastener facing aft (figure 10-5).



Step 2 - Para 10-22

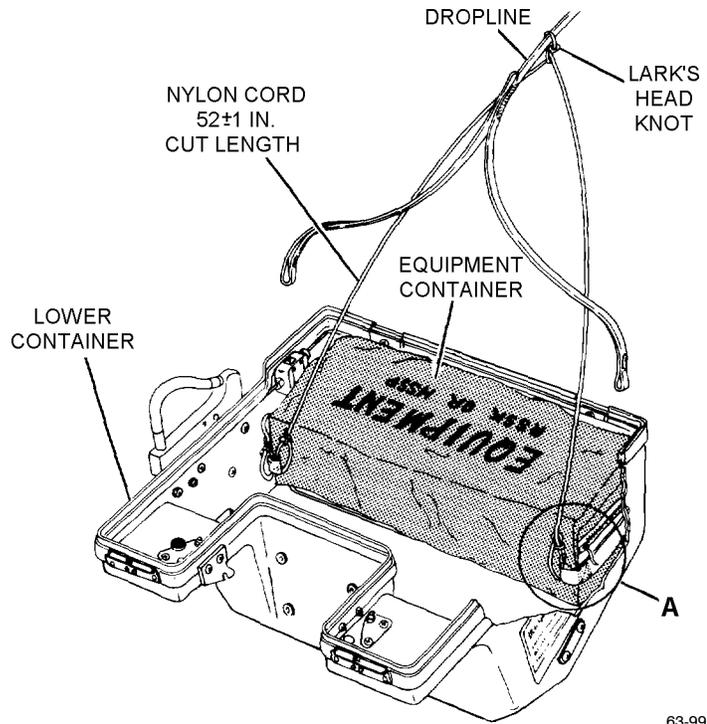
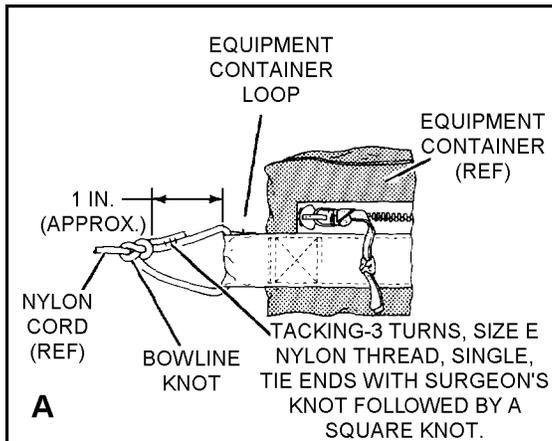


Figure 10-5. Stowed Survival Equipment

NOTE

If fabrication/installation of equipment container, nylon cord, securing line is required, refer to Form 10-5.

All tacking cord shall be coated with a mixture of 50% beeswax and 50% paraffin. The cord may be dipped in a melting pot 160° to 200°F or drawn across a solid block of the mixture.

7. Cut a 52 ± 1 -inch piece of nylon cord, Type III, MIL-C-5040, and sear ends. Secure cord to equipment container and dropline as shown in figure 10-5.

10-23. STOWING DROPLINE. To stow dropline in boots, proceed as follows:

NOTE

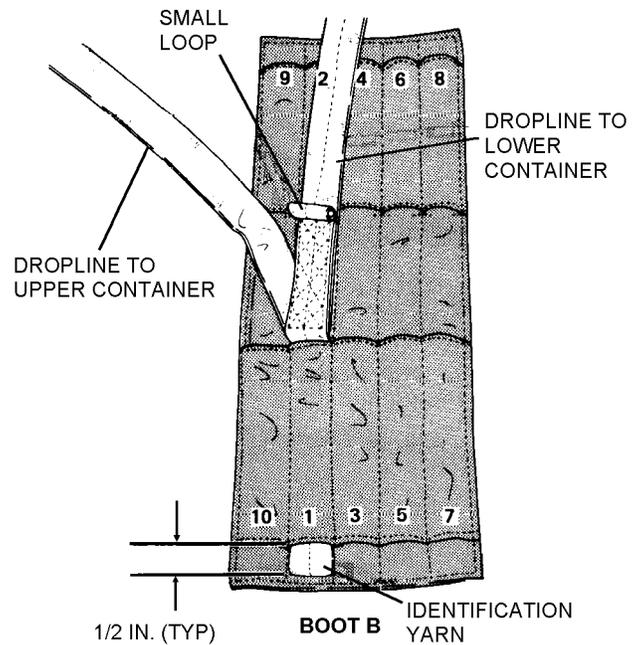
Stowage boots are referred to as boot A and boot B for identification purposes only. There are no physical differences between boots and the letters A and B do not actually appear on them.

Numbers on stowage channels of boots correspond to dropline bights and the order in which they are to be stowed. Numbers appear in illustration for clarity, they do not actually appear on stowage boots.

The identification yarn on earlier fabricated dropline assemblies may be located on the underside of the webbing. However, procedural steps depicting identification yarn location will be reversed throughout the dropline stowage procedures for these assemblies. Future fabrication of the dropline for the RSSK-8 will be accordance with paragraph 10-75.

1. Lay dropline out flat between container halves with dropline loops facing up. Remove all twists from dropline prior to beginning stowing operation.

2. Position boot B to the left of lower container. Form the first bight $5 \pm 1/2$ inch from base of small loop stitching. Bight shall be in portion of dropline going to upper container and small loop shall face up. Stow bight in channel 1 of boot B. Push bight in channel with a 7-inch length of 3/8-inch hard wood dowel tapered at one end. There shall be a 1/2-inch protrusion at end of channel and identification yarn shall be visible at protrusion.

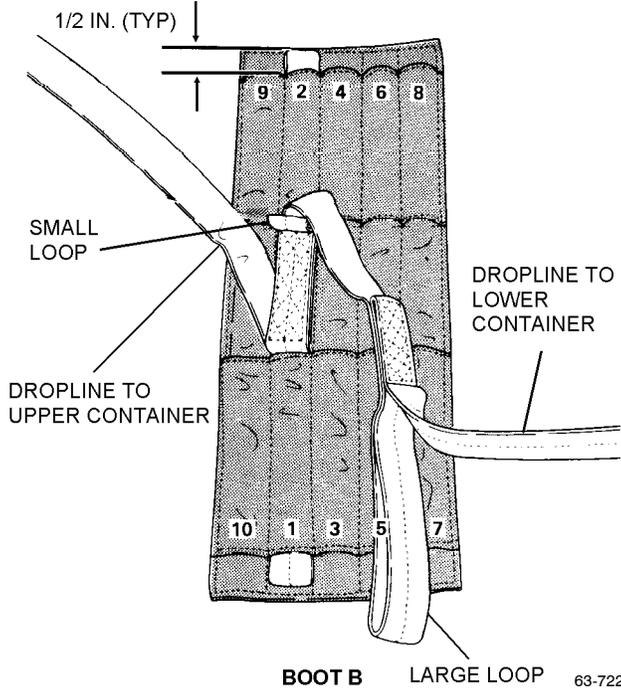


63-721

Step 2 - Para 10-23

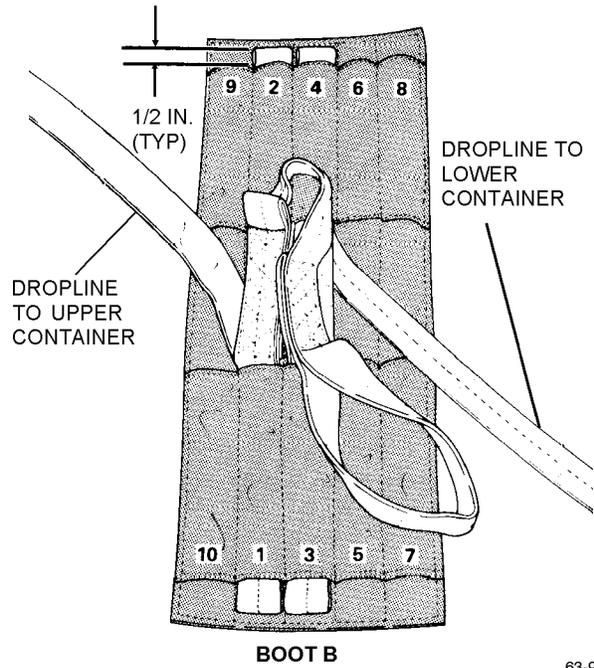
NAVAIR 13-1-6.3-1

3. Second bight shall be formed in portion of dropline going from small loop to large loop and shall be stowed in channel 2. Identification yarn shall not show at protrusion.



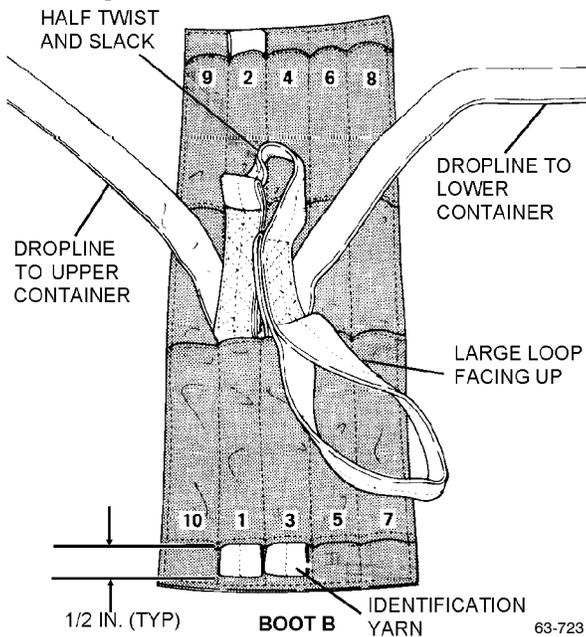
Step 3 - Para 10-23

5. Stow fourth bight in channel 4, ensuring that identification yarn does not show at protrusion.



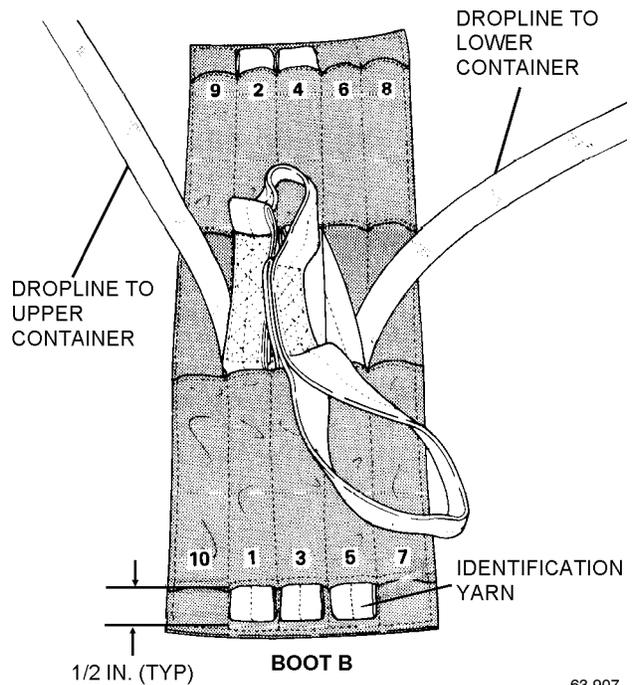
Step 5 - Para 10-23

4. Place a half-twist in dropline by rotating clockwise so that large loop faces up. Stow third bight in channel 3. A small amount of slack may exist between bights 2 and 3. Identification yarn shall be visible at protrusion.



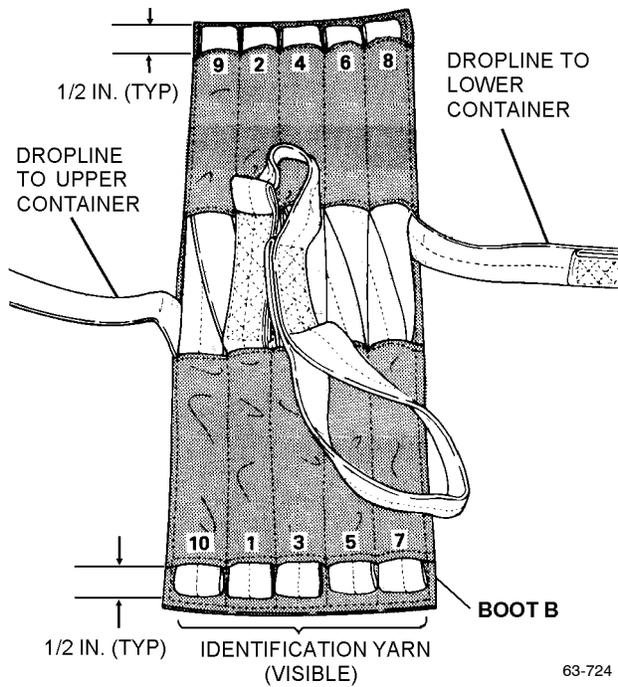
Step 4 - Para 10-23

6. Stow fifth bight in channel 5, ensuring that identification yarn is visible at protrusion.



Step 6 - Para 10-23

7. Stow remainder of dropline in boot B in accordance with numbering sequence on boot as shown, maintaining 1/2-inch protrusion. If there is insufficient line, due to allowable tolerance in length of dropline, a full stow may be impossible in channel 8.

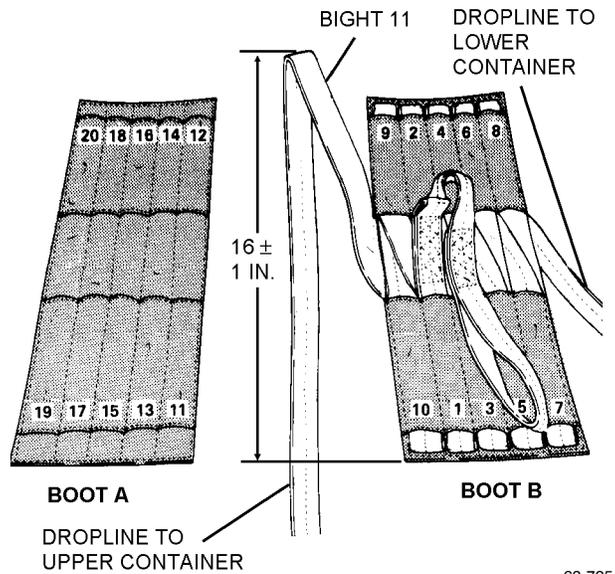


Step 7 - Para 10-23

NOTE

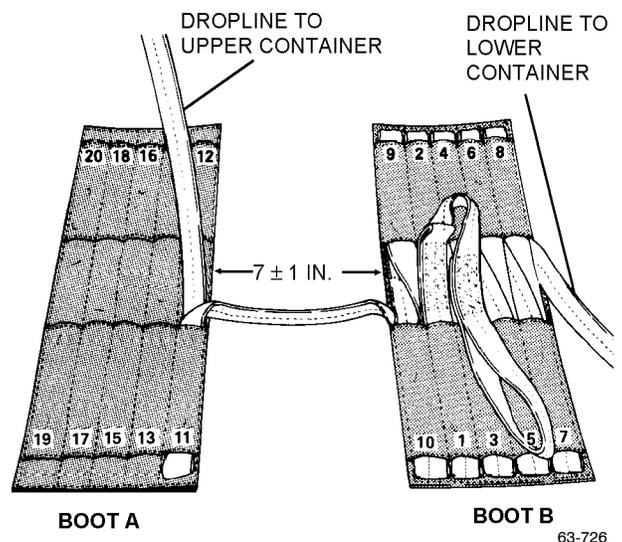
Upon the completion of step 7, identification yarn shall be visible at channels 1, 3, 5, 7 and 10, and shall not show at channels 2, 4, 6, 8 and 9.

8. Form bight 11 in dropline 16 ± 1 inch from bottom of last bight (bight 10) in boot B.



Step 8 - Para 10-23

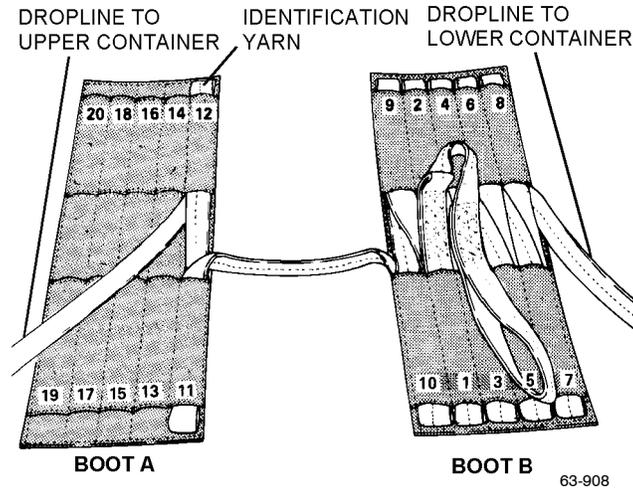
9. Stow bight 11 (formed in step 8) in channel 11 of boot A. There shall be 7 ± 1 inch of dropline between boots A and B when bight 11 is stowed. Identification yarn shall not show at protrusion.



Step 9 - Para 10-23

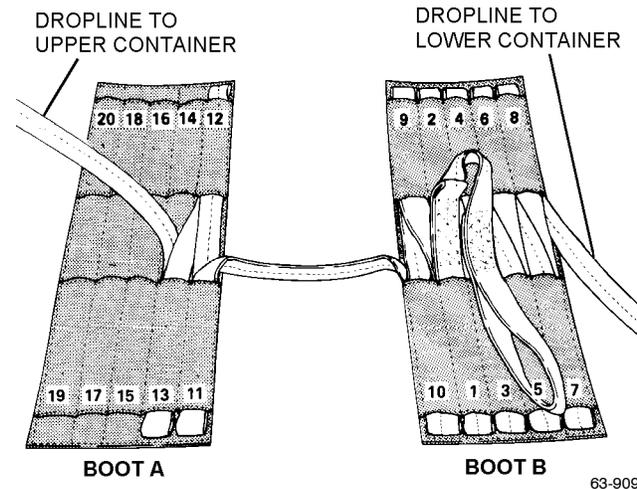
NAVAIR 13-1-6.3-1

10. Stow bight 12 in channel 12 of boot A. Identification yarn shall be visible at protrusion.



Step 10 - Para 10-23

11. Stow bight 13 in channel 13. Identification yarn shall not show at protrusion.



Step 11 - Para 10-23

12. Continue stowing bights in boot A until all line is stowed. Maintain 1/2-inch protrusion (figure 10-6).

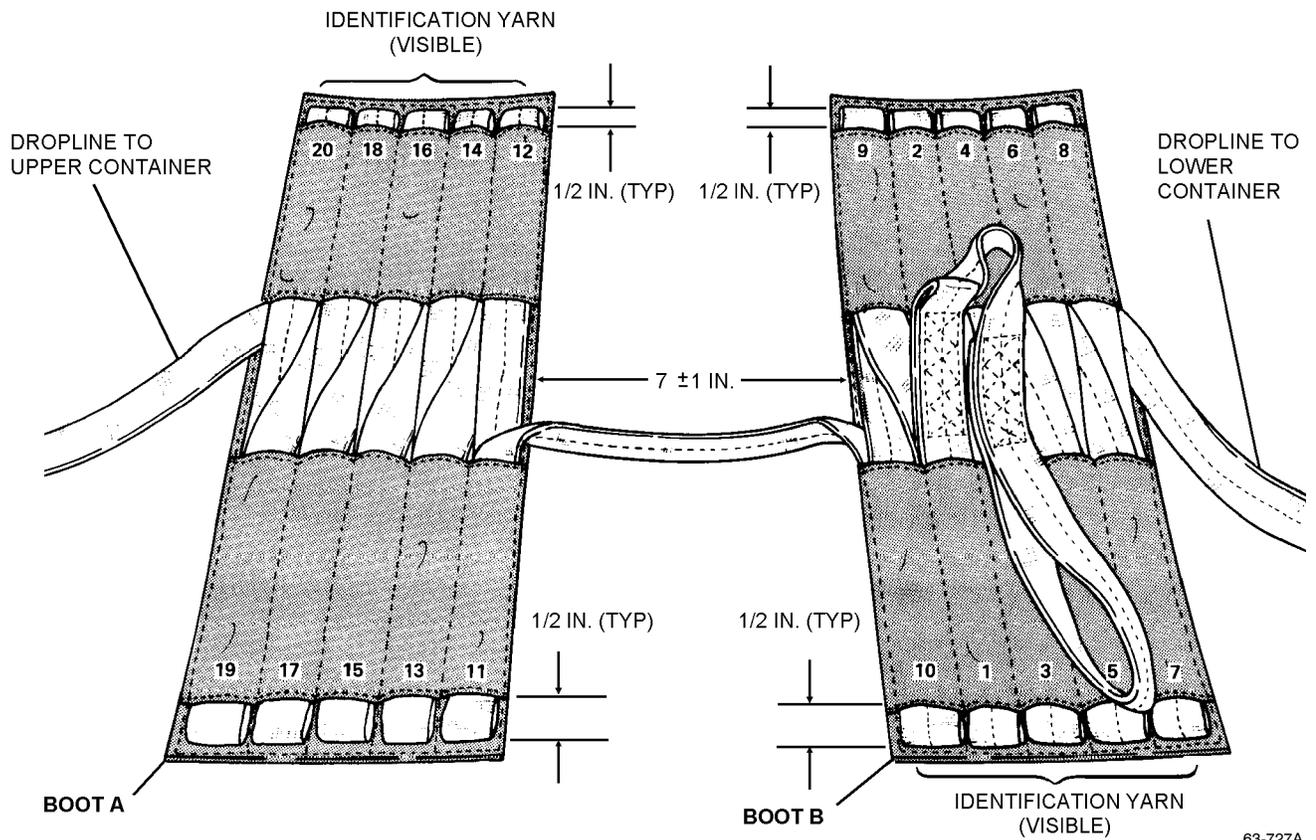


Figure 10-6. Stowage of Dropline

NOTE

Upon the completion of step 12 identification yarn shall be visible at channels 12, 14, 16, 18 and 20 and shall not show at channels 11, 13, 15, 17 and 19.

13. Ensure all stows are properly formed and that there are no twists in dropline.

10-24. LIFERAFT PREPARATION, FOLDING, RIGGING AND PACKING. To prepare, fold, rig and pack the LR-1 liferaft, proceed as follows:

Materials Required

| Quantity | Description | Reference Number |
|--------------|-----------------------------------------|--------------------------------------------------|
| As Required | Cord, Nylon, Type III, 550-Pound | MIL-C-5040 NIIN 00-240-2146 |
| As Required | Thread, Nylon, Type II, Class A, Size E | V-T-295 NIIN 00-244-0609 |
| As Required | Talc, Technical | MIL-T-50036A |
| As Required | Thread, Nylon, Type II, Class A, Size 6 | V-T-295 NIIN 00-559-5211 |
| 1 (Optional) | Lowering Device, Personnel | CL213D2-1 or Fabricate IAW NAVAIR 13-1-6.5 |

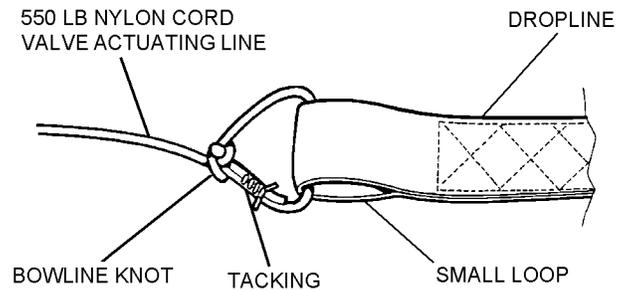
Support Equipment Required

| Quantity | Description | Reference Number |
|----------|------------------------------|-------------------------|
| 1 | Wrench, Torque 0-150 lb. in. | TE-6FUA (CAGE 55729) |

1. If the valve actuating line is damaged, incorrectly installed or not installed, install new line in accordance with steps 2 and 3.

2. Cut 15-inch length of 550-pound, Type III nylon cord and sear ends.

3. Route one end through small loop on dropline and tie bowline knot. Tack with three turns of waxed, size E nylon thread, single. Tie ends with surgeon's knot followed by square knot.



63-25

Step 3 - Para 10-24

4. Lay liferaft assembly flat with inside facing upward (step A, figure 10-7).

5. Ensure all trapped air is expelled from liferaft. Ensure oral inflation valve is locked and stowed in pocket prior to folding.

6. Lightly dust entire liferaft assembly with talc.

7. Secure sea anchor line in 3-inch bights, fold, and stow in pocket (step B, figure 10-7).

8. Roll and secure weather shield (step C, figure 10-7).

9. Fold liferaft as follows:

NOTE

This taper-type folding process is necessary so that part of liferaft fits inside U-shaped oxygen cylinder.

a. Fold stern of liferaft over at slight angle so that maximum width of fold is approximately 6 inches (step D, figure 10-7).

b. Fold liferaft again in same direction as step D, to obtain fold 15 inches at long edge and 10 inches at short edge (step E, figure 10-7).

c. Fold bow of liferaft over at slight angle so that maximum width of fold is approximately 8 inches (step F, figure 10-7).

d. Fold liferaft again in same direction as previous fold to obtain 15 inches at long edge and 10 inches at short edge (step G, figure 10-7).

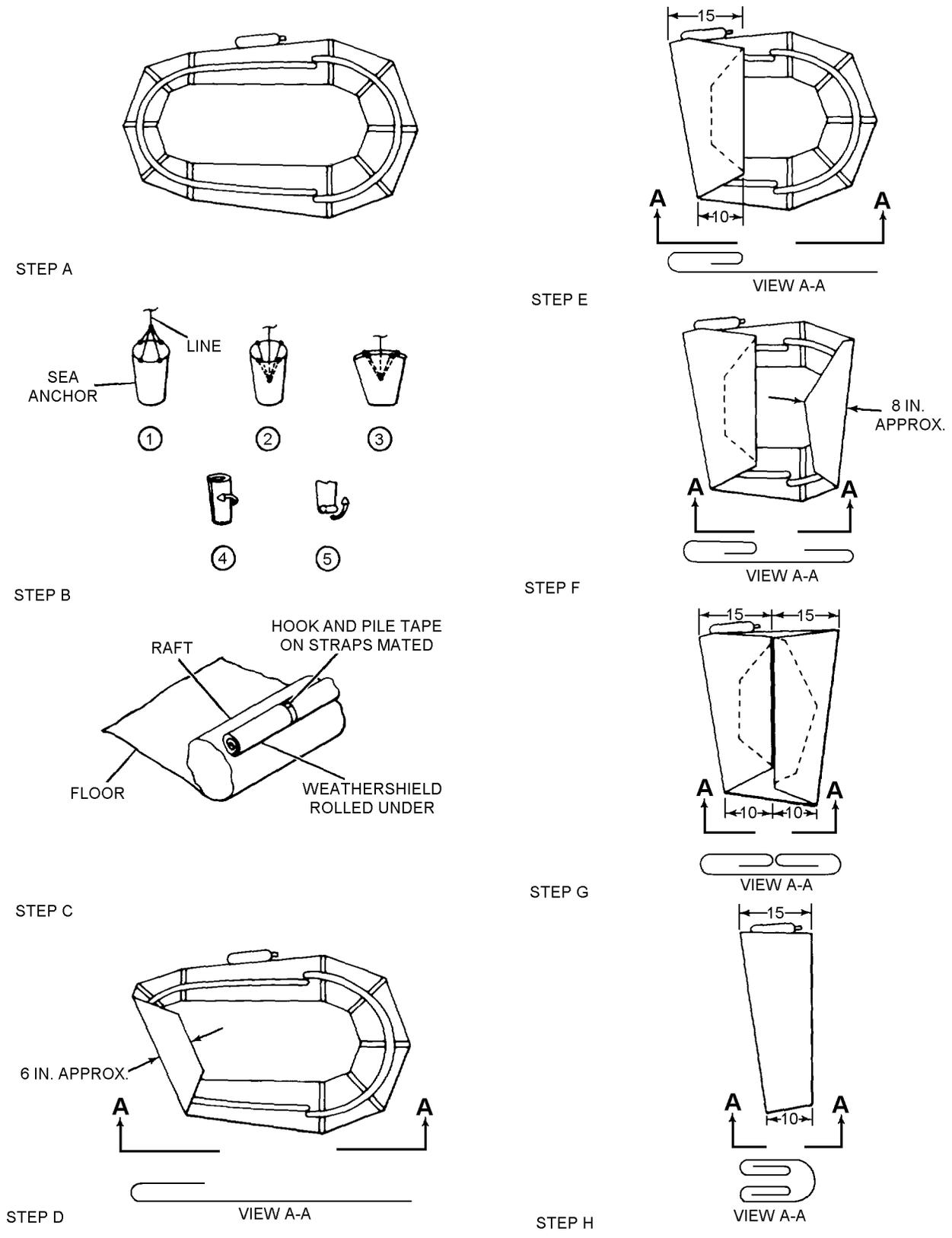


Figure 10-7. Folding Liferaft

e. Fold bow portion of liferaft over on top of previous folds. Maximum width of folded liferaft shall not exceed width of RSSK-8 raft cover. Adjust folds as necessary (step H, figure 10-7).

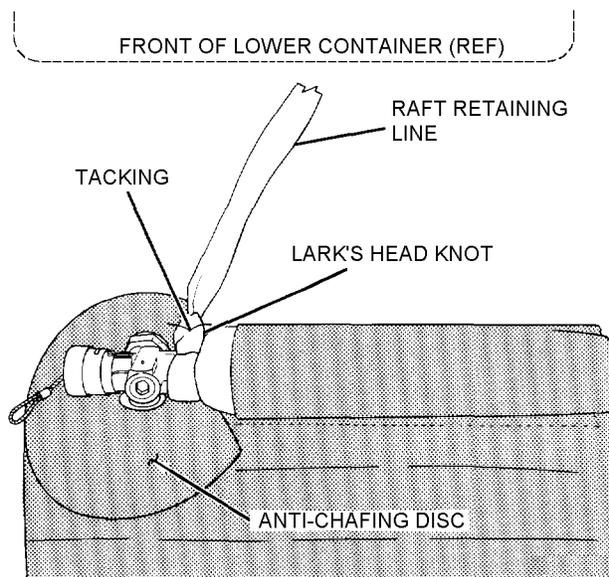
10. Turn folded liferaft over. Place liferaft assembly forward of lower container with carbon dioxide cylinder positioned toward lower container and facing up. Inflation valve assembly shall face release handle side of survival kit.

WARNING

Gas under pressure. Do not loosen or attempt to remove inflation valve assembly from CO₂ cylinder.

11. Disconnect inflation valve from liferaft. Do not remove cylinder from stowage pocket. Retain anti-chafing disc on inlet check valve.

12. Attach retaining line to cylinder with lark's head knot. Pull knot tight and tack with two turns of waxed nylon thread, size 6, single. Tie ends with surgeon's knot followed by square knot.



63-709A

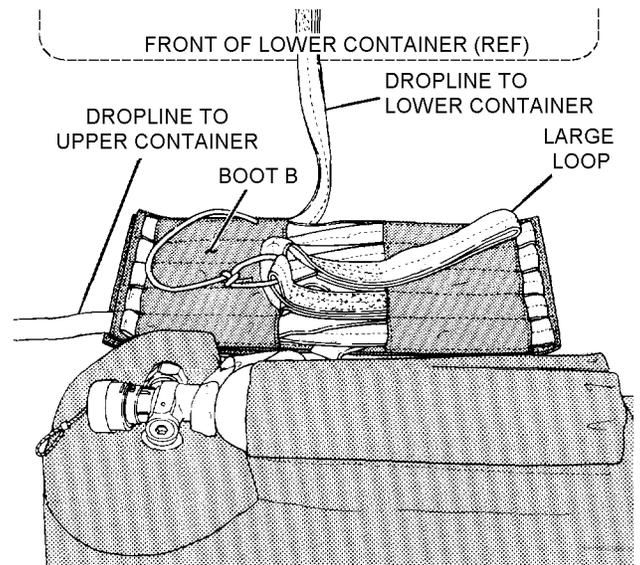
Step 12 - Para 10-24

13. Accordion fold remainder of retaining line and stow in raft retaining line pocket. Close pocket closure tab and secure hook and pile tape.

NOTE

When repositioning boots, it may be necessary to move upper container. Make adjustments as necessary.

14. Position boot B on top of boot A and place boots between raft and lower container with large loop of dropline facing to the right.

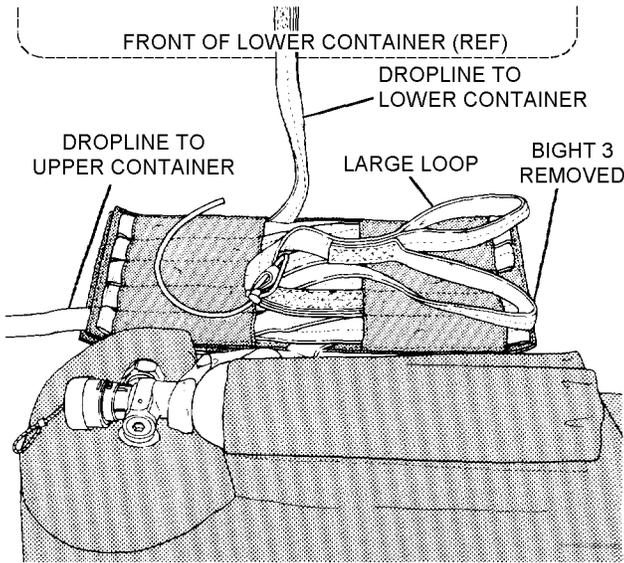


63-728

Step 14 - Para 10-24

NAVAIR 13-1-6.3-1

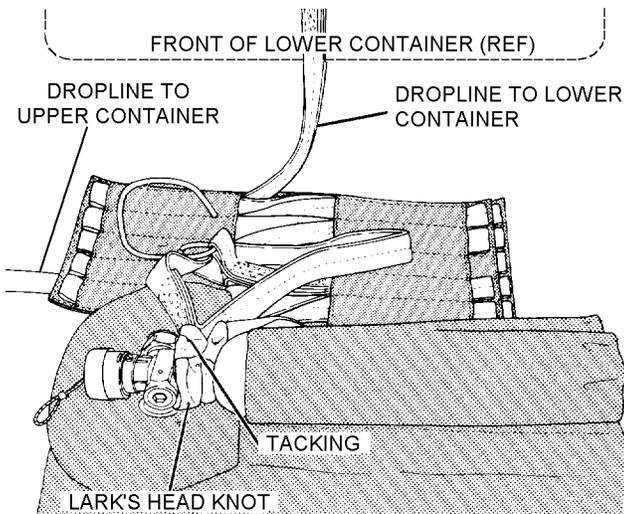
15. Remove bight from channel 3, boot B.



63-729

Step 15 - Para 10-24

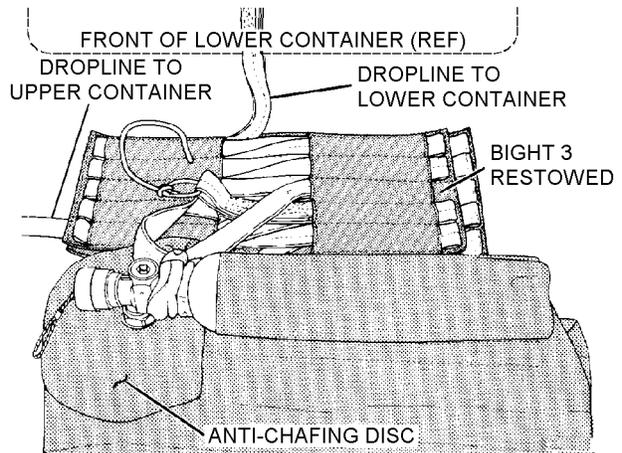
16. Attach large loop of dropline around neck of cylinder with a lark's head knot. Pull knot tight and tack with two turns of waxed size 6 nylon thread, single. Tie ends with a surgeon's knot followed by square knot.



63-730

Step 16 - Para 10-24

17. Ensure CO₂ cylinder anti-chafing disc is installed. Attach inflation valve to liferaft inlet valve and tighten coupling nut to a torque value of 80 to 90 in-lbs. Stow bight removed from channel 3 of boot B. Bight will not extend full length of channel.



63-731

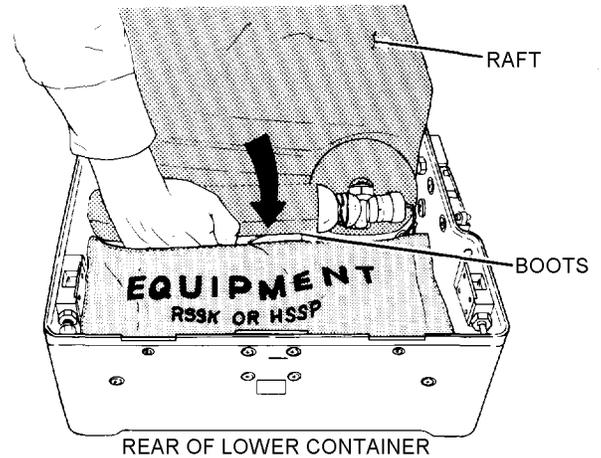
Step 17 - Para 10-24

WARNING

Final dimension of valve actuating line is critical. Finished length shall not exceed 5 inches.

18. Pass actuating line through loop at end of pull cable. Tie loop using bowline knot. Tack with three turns of waxed, size E nylon thread, single. Tie ends with surgeon's knot followed by square knot. Finished length shall not exceed 5 inches.

19. Place boots in forward section of lower container and rotate CO₂ cylinder away from packer so that cylinder rests on top of boots in lower container.



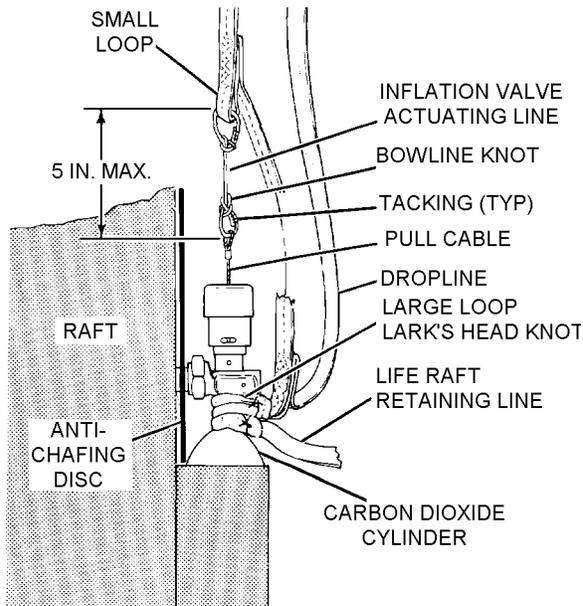
63-999

Step 19 - Para 10-24

NOTE

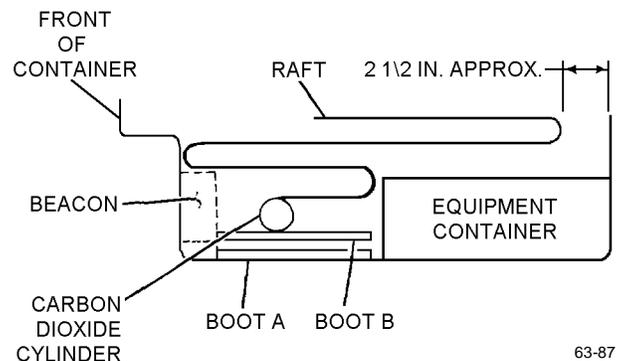
Personnel Lowering Device (PLD) is intended for use during survival situations in heavy foliage or jungle areas and may be installed at the discretion of the area/type commander. If PLD is utilized, proceed to [step 20](#).

20. Fold and stow raft in lower container assembly. Position last fold approximately 2 1/2 inches from rear of lower container, as shown.



63-358A

Step 18 - Para 10-24



63-87

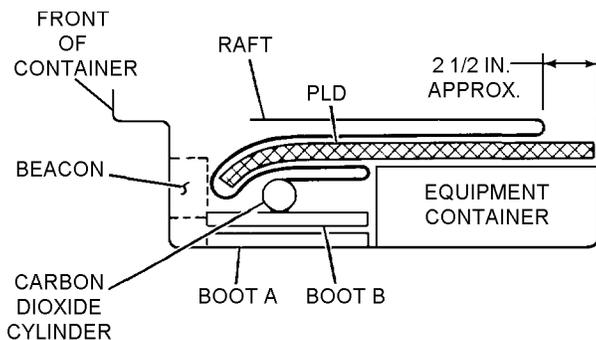
Step 20 - Para 10-24

NAVAIR 13-1-6.3-1

NOTE

If PLD is utilized, SRU-31/P packets must be stowed on aviator and optional survival items shall be removed from equipment container (table 10-3).

21. Fold and stow raft and position PLD in lower container assembly. Securely tie PLD retrieving line to right-hand upper container footman bracket with bowline and overhand knot. Ensure metal snaps are wrapped in chafing cloth. Ensure last fold is approximately 2 1/2 inches from rear of lower container, as shown.

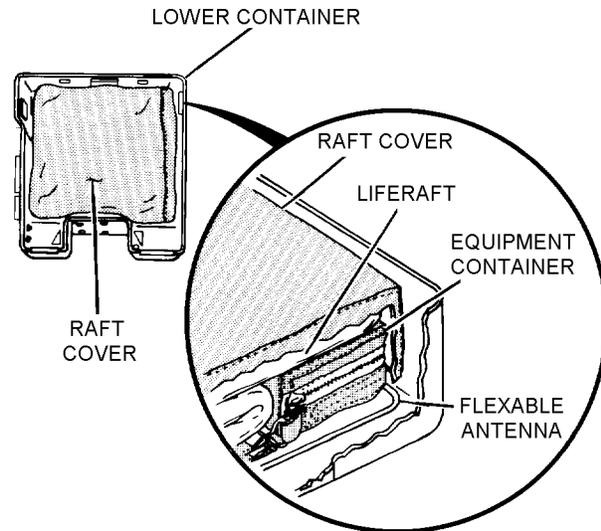


63-740

Step 21 - Para 10-24

22. Place raft cover over raft and equipment container and tuck cover around raft using fid to push edges of cover down. Ensure that lid locks are free from obstruction and that raft cover does not protrude beyond edges of container.

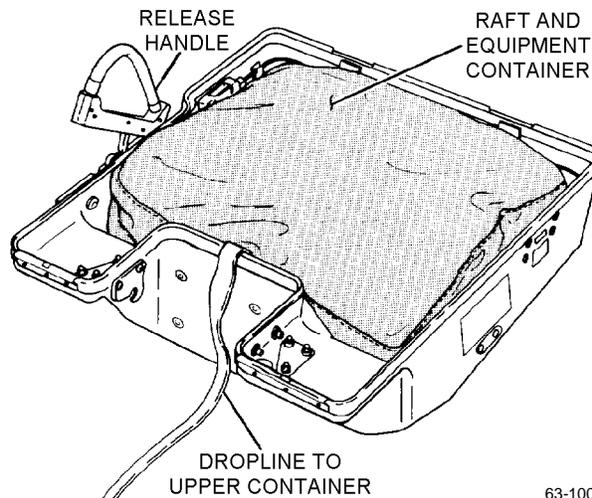
23. Ensure flexible antenna is routed around periphery of lower container.



63-1000

Step 23 - Para 10-24

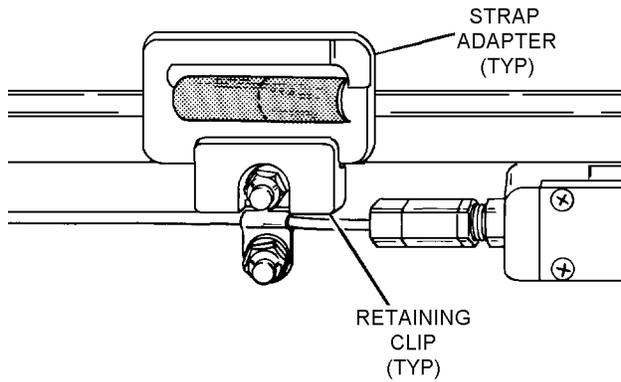
24. Route excess dropline out forward center of lower container.



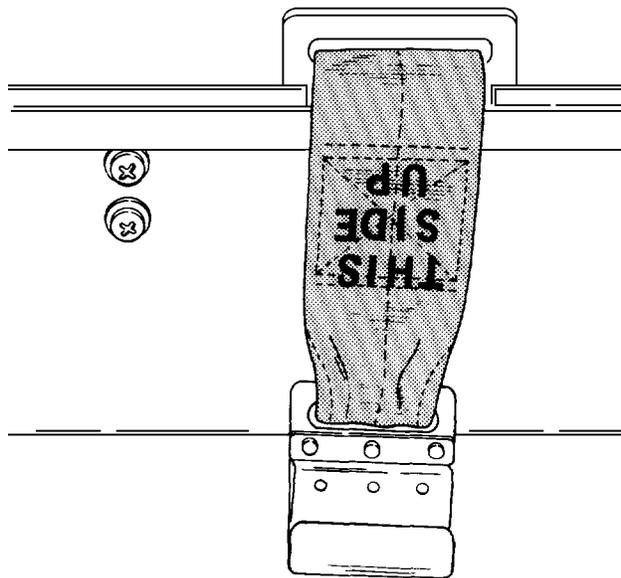
63-1001

Step 24 - Para 10-24

25. Install parachute retention straps by inserting strap adapter into each retaining clip on rear wall of lower kit container. Pass webbing through slots in rear wall of kit.



INSIDE KIT (AFTER ACC 377)



OUTSIDE KIT (AFTER ACC 377)

63-1019

Step 25 - Para 10-24

10-25. CLOSING CONTAINER. To close the container, proceed as follows:

Materials Required

| Quantity | Description | Reference Number |
|-------------|-----------------------------------------|-------------------------------------------------|
| As Required | Krytox 240AC Type III | MIL-G-22617 NIIN 00-961-8995 (CAGE 73925) |
| As Required | Thread, Nylon, Type II, Class A, Size 6 | V-T-295 NIIN 00-559-5211 |
| As Required | Cord, Nylon, Type III 550-Pound | MIL-C-5040 NIIN 00-240-2146 |
| As Required | Thread, Nylon, Type II, Class A, Size E | V-T-295 NIIN 00-244-0609 |

Support Equipment Required

| Quantity | Description | Reference Number |
|----------|-----------------------------------|------------------------|
| 1 | Dial Push/Pull Gage, 0 to 50 lbs. | DPP-50 (CAGE 11710) |

1. Place upper container on top of lower container.
2. Engage hinges on front of containers.
3. While closing container, lead emergency oxygen actuating lanyard through hole in right side of left thigh support.
4. Ensure lock engagement is made by checking slots on lower container.
5. When container is closed, insert release handle into actuator assembly. Ensure handle is fully seated and locked.
6. Examine extruded metal lip around container. All locks shall be engaged and seam undistorted. If containers are not properly secured, release handle and repeat [steps 2 through 5](#).
7. Perform release handle pull test ([paragraph 10-26](#)).
8. Charge oxygen system in accordance with [paragraph 10-41](#).

9. Remove inspection hole plug.

WARNING

If reducer toggle has been twisted or forced beyond vertical (cocked) position, carefully reposition toggle. If cables/cable balls are not properly positioned open RSSK-8 and position cables so that toggle is free to move.

10. Using a flashlight, visually inspect position of reducer toggle (18, figure 10-27); ensure toggle is in the vertical (cocked) position relative to the reducer. Also check position of cable balls; ensure cables/cable balls are not wrapped around reducer toggle and jammed against the inside of kit lid.

11. Reinstall inspection hole plug.

12. If required close kit in accordance with [steps 1 through 7](#).

NOTE

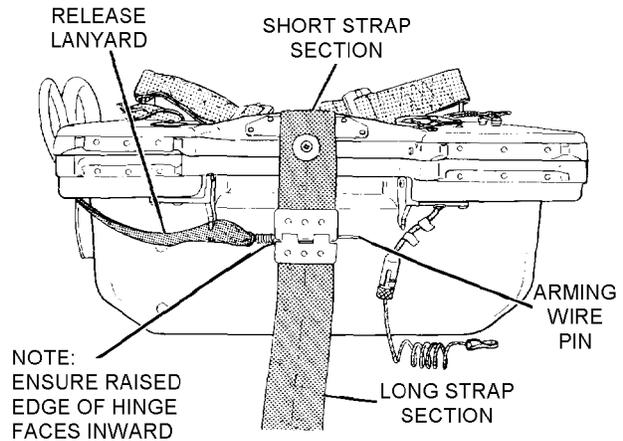
[Steps 13 through 19](#) apply to earlier models of RSSK-8 Series survival kits, P/N's 102J100-1, -3, or -5, before incorporation of ACC 377. If ACC 377 has been incorporated, which designates RSSK-8D, or if RSSK-8E assembly is being serviced, proceed to [step 20](#) and continue closing procedure.

13. (BEFORE ACC 377) Pass arming wire pin of release lanyard down through bracket on outside edge of right thigh support. Ensure release lanyard grip is fully seated in bracket.

NOTE

Before inserting arming wire pin, lubricate pin with light coating of KRYTOX 240AC (CAGE 73925).

14. (BEFORE ACC 377) Mate hinge halves of closure strap with arming wire pin inserted from right to left through hinge. Ensure raised center portion of hinge is positioned against kit.

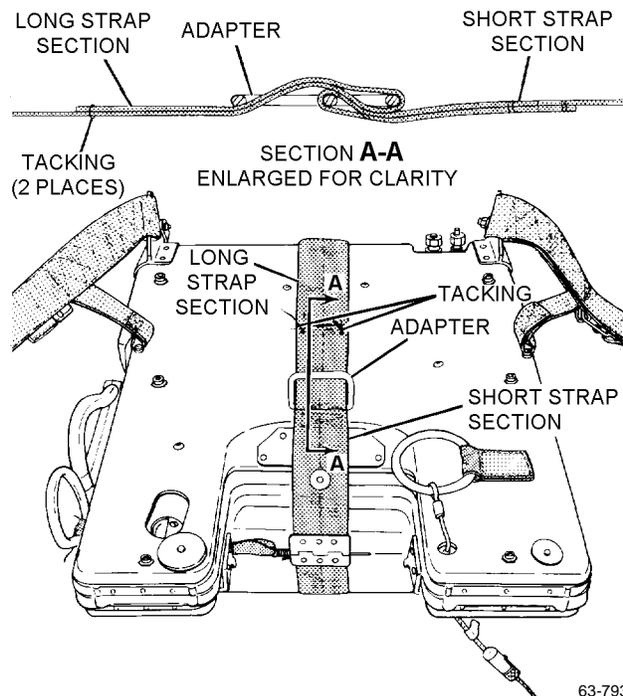


63-790

Step 14 - Para 10-25

15. (BEFORE ACC 377) Route free end of long strap section down between kit thigh supports, along bottom of kit, and up to kit upper container.

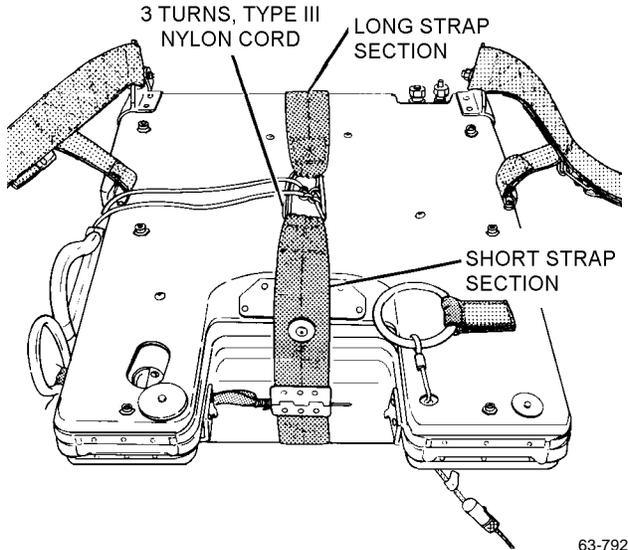
16. (BEFORE ACC 377) (Closure strap with adapter) Reeve free end of long strap section through adapter on short strap section. Remove all slack in webbing strap. Fold over free end of long strap section and safety-tack with two turns of nylon thread, size 6, single, at both sides of webbing.



63-793

Step 16 - Para 10-25

17. (BEFORE ACC 377) (Alternate-closure strap without adapter) Join two loops of closure strap with three turns of Type III nylon cord (MIL-C-5040), single. Pull tight to remove slack in closure straps and tie with a surgeon's knot and an overhand knot.

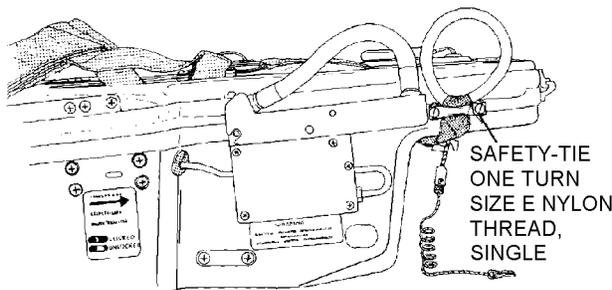


63-792

Step 17 - Para 10-25

18. (BEFORE ACC 377) Install Fhanstock clip on left end of arming wire pin. Position clip with flat surface against RSSK and open end of clip facing up. If clip is not available, safety-tie pin with one turn of size E nylon thread, single. Pass thread through pin eyelet and between hinge halves. Tie with surgeon's knot followed by square knot.

19. (BEFORE ACC 377) Ensure closure strap grip handle is installed upright in bracket and is fully seated. Safety-tie handle to bracket with one turn of size E nylon thread, single, to ensure perpendicular positioning.



63-1020A

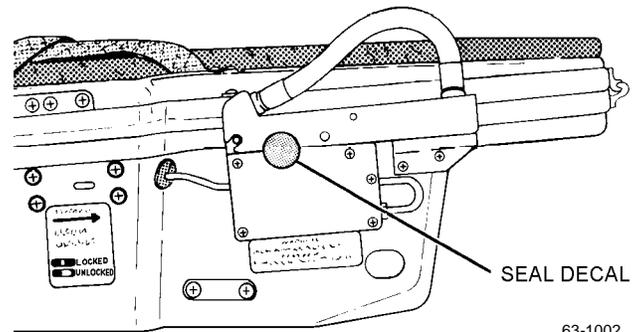
Step 19 - Para 10-25

20. Ensure manual emergency oxygen handle is properly secured so that ring portion protrudes in open space between thigh supports and will be readily accessible even after cushion installation.

21. Attach cushion to upper container.

22. Ensure oxygen gage shows and system indicates fully charged.

23. Apply seal decal (12 ND NARFA 78-A2) on RSSK seam where yellow release handle assembly adjoins bare metal lock mechanism. Before application, clean area thoroughly ensuring it is free of adhesive. Seal decal shall be applied whenever RSSK is closed.



63-1002

Step 23 - Para 10-25

24. Make necessary entries on appropriate form in accordance with OPNAVINST 4790.2 Series.

10-26. Release Handle Pull Test. To perform the release handle pull test, proceed as follows:

Support Equipment Required

| Quantity | Description | Reference Number |
|----------|-----------------------------------|---------------------|
| 1 | Dial Push/Pull Gage, 0 to 50 lbs. | DPP-50 (CAGE 11710) |

1. Apply steady upward pull and note force required to unlock latches. Force required to unlock latches in first 1/2 to 5/8 inch of travel, measured at geometric center line of actuator link, shall be 10 to 30 pounds. With further upward travel, handle shall pull free of engagement link. If failure occurs, refer to [paragraph 10-69](#).

2. Close container after pull-test.

NAVAIR 13-1-6.3-1

10-27. (A-4/TA-4 A/C) COCKPIT ROUTING AND INSTALLATION OF THE EMERGENCY RADIO BEACON LANYARD. To rig emergency radio beacon for automatic actuation after installation in survival kit, proceed as follows:

Materials Required

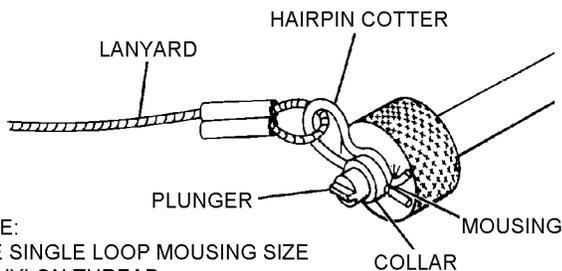
| Quantity | Description | Reference Number |
|-------------|-----------------------------------------|-----------------------------|
| 1 | Lanyard, Actuation (A-4/TA-4 A/C) | CL204C4-6 (CAGE 80206) |
| As Required | Thread, Nylon, Type II, Class A, Size E | V-T-295 NIIN 00-244-0609 |

CAUTION

Do not release indicator plunger. Hold in depressed position and maintain pressure until hairpin cotter is replaced.

1. Depress indicator plunger and remove hairpin cotter.

2. While maintaining pressure on plunger, secure plunger in depressed position using hairpin cotter attached to beacon automatic actuation lanyard. Pass cotter through aligned holes of indicator plunger and collar from which temporary hairpin cotter was removed. Safety-tie open end of hairpin cotter by applying single-loop mousing. Use size E nylon thread and secure mousing loop with square knot. Cut off excess length approximately 1/8 inch from knot.



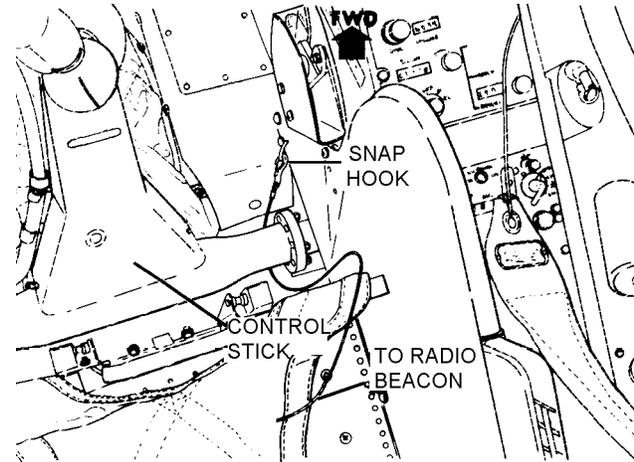
NOTE:
USE SINGLE LOOP MOUSING SIZE "E" NYLON THREAD.
TRIM THREAD 1/8 FROM SQUARE KNOT.

Step 2 - Para 10-27

63-776A

3. Remove existing screw on starboard side of cockpit and install D-ring and plate with screw.

4. Pass snaphook on actuating lanyard under aircraft control stick and snap to D-ring.



63-379

Step 4 - Para 10-27

5. Deleted.

6. Deleted.

7. Verify proper installation of kit into seat, and correct routing and connection of automatic actuation lanyard assembly.

10-28. (S-3 A/C) COCKPIT ROUTING AND INSTALLATION OF THE EMERGENCY RADIO BEACON LANYARD. To rig emergency radio beacon for automatic actuation after installation in survival kit, proceed as follows:

Materials Required

| Quantity | Description | Reference Number |
|-------------|-------------------------------------|-----------------------------|
| 2 | Lanyard, Actuation (Pilot, Copilot) | CL204C4-5 (CAGE 80206) |
| 2 | Lanyard, Actuation (TACCO, SENSO) | CL204C4-6 (CAGE 80206) |
| As Required | Thread, Nylon, Type II, Size E | V-T-295 NIIN 00-244-0609 |

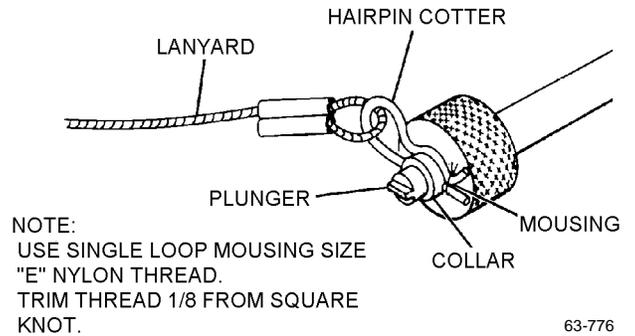


Do not release indicator plunger. Hold in depressed position and maintain pressure until hairpin cotter is replaced.

1. Depress indicator plunger and remove hairpin cotter.

2. While maintaining pressure on plunger, secure plunger in its depressed position using hairpin cotter attached to beacon automatic actuation lanyard. Pass cotter through aligned holes of indicator plunger and collar from which temporary hairpin cotter was re-

moved. Safety-tie open end of hairpin cotter by applying single-loop mousing. Use size E nylon thread and secure mousing loop with square knot. Cut off excess length approximately 1/8 inch from knot.



Step 2 - Para 10-28

NOTE

The following detailed procedures for routing of emergency radio beacon lanyard are divided into three general areas: pilot seat, copilot seat, and TACCO and SENSO seats.

3. Route emergency radio beacon lanyard for pilot's seat as follows:

a. Remove existing screw from vertical section of cockpit deck just forward of auxiliary power unit pressure gage.

b. Position D-ring and plate over screw hole and secure with screw.

NAVAIR 13-1-6.3-1

NOTE

Ensure that coiled section of lanyard is outside seat bucket.

c. Connect lanyard (P/N CL204C4-5) snaphook to D-ring.

4. Route emergency radio beacon lanyard for copilot's seat as follows:

a. Remove existing screw from vertical section forward of copilot's seat.

b. Position D-ring and plate over screw hole and secure with screw.

NOTE

Ensure that coiled section of lanyard is outside seat bucket.

c. Connect lanyard (P/N CL204C4-5) snaphook to D-ring.

5. Route emergency radio beacon lanyard for TACCO's and SENSO's seats as follows:

a. Using nut and bolt presently fastening bailout oxygen lanyard clevis to floor bracket underneath seat, secure D-ring and plate to floor bracket.

NOTE

Ensure that coiled section of lanyard is outside seat bucket.

b. Connect lanyard (P/N CL204C4-6) snaphook to D-ring.

Section 10-4. Turnaround/Daily/Preflight/Postflight/Transfer/Special/Conditional Inspection

10-29. GENERAL.

10-30. The Turnaround/Daily/Preflight/Postflight or Transfer Inspections consist of a visual type inspection performed in conjunction with the aircraft inspection requirements for the aircraft in which the survival kit is installed. These inspections shall be performed by line personnel (plane captain) or delegated aircrewmembers who have been instructed and found qualified by the Aviator's Equipment Branch.

10-31. The Conditional Inspection is an unscheduled inspection required as the result of a specific situation or set of conditions, e.g., hard-landing inspections or any inspection directed by higher authority that is not ordered in a technical directive.

10-32. The Special (7/14 day, etc.) Inspection shall be performed on inservice survival kits installed in aircraft or in ready room issue. This inspection shall be performed at the Organizational Level of maintenance by personnel assigned to the Aviator's Equipment Branch. Make necessary entries on appropriate form in accordance with OPNAVINST 4790.2 Series.

10-33. TURNAROUND/DAILY/PREFLIGHT/POSTFLIGHT/TRANSFER, OR SPECIAL INSPECTION PROCEDURES. These inspections consist of visual inspections of the following:

1. Cushion for secure attachment, rips, tears, and loose or frayed stitching.

2. (BEFORE ACC 377) Closure strap release lanyard safety ties and Fhanstock clip for presence and proper installation.

3. (BEFORE ACC 377) Closure strap hinge and arming wire pin for corrosion and damage.

4. Release handle for proper seating and corrosion.

5. Lift left side of cushion assembly and remove reducer toggle access plug. Using a flashlight visually inspect position of toggle; ensure toggle is in vertical (cocked) position relative to the reducer. Also check cables/cable balls for proper routing and en-

10-30 Change 3

gement; ensure cable balls are not jammed against lid of kit.

6. Check oxygen gage for FULL indication. Replace access plug and cushion assembly.

7. Emergency oxygen lanyard coupling assembly for spring security.

8. Emergency oxygen lanyard for proper installation and corrosion.

9. Manual emergency oxygen release for condition and security of attachment.

10. Container assembly for cracks, breaks, and other obvious damage.

11. Harness assemblies for loose or frayed webbing, stitching, and cracked or broken hardware.

12. Lapbelt release assembly for loose or missing screws and corrosion.

13. Beacon actuator indicator for bent shaft, hair-pin cotter for elongation, corrosion, and proper mousing.

14. Secure attachment of beacon automatic actuation lanyard (if installed).

15. Seal decal for secure attachment, tears, or rips. If seal decal damaged, RSSK must be reclosed by IMA.

16. Condition of oxygen hose and secure attachment to kit. If repair procedure has been performed on oxygen hose assembly, check external wiring for secure attachment.

17. (S-3A A/C) Secure attachment of externally mounted electrical cable assembly to oxygen hose assembly.

10-34. If discrepancies are found or suspected, notify Maintenance Control.

10-35. Survival kits which do not pass inspection and cannot be repaired in the aircraft shall be removed in accordance with applicable aircraft manual and replaced with a Ready For Issue (RFI) survival kit. Non-RFI survival kits shall be forwarded to the nearest maintenance activity having repair capability for corrective action.

Section 10-5. Acceptance/Phased/SDLM/PDM Inspection

10-36. GENERAL.

10-37. An acceptance inspection shall be performed on a survival kit when it is placed into service or at the time a reporting custodian accepts a newly assigned aircraft from any source and on return of an aircraft from SDLM/PDM or other major D-level rework. The Phased/SDLM/PDM inspection cycle of the survival kit shall be 308 days. In no case, however, shall the phased interval exceed 308 days. The battery test inspection cycle for the AN/URT-33A radio beacon is dependent on the type of battery installed. Refer to NAVAIR 16-30URT33-1 for battery test inspection cycles and requirements. For acceptance inspection purposes, verification of pyrotechnics and configuration is accomplished by visual record examination only. Disassembly beyond the daily inspection requirements of applicable publications is not required. Activities may elect to increase the depth of the inspection if equipment condition, visual external inspection, or record examination indicates such action is warranted.

10-38. VISUAL INSPECTION. This inspection shall be performed prior to the functional check of the kit. Visually check kit for the following:

1. Cushion for rips, tears, and general condition.

2. (Before ACC 377) Closure strap hinge and pin for corrosion and for proper operation. Refer to paragraph 10-39.

3. Manual emergency oxygen release handle (green ring) for damage and security of attachment.

4. Release handle for wear, corrosion, and damage.

5. Upper and lower container for cracks, corrosion, and security of hardware.

6. Webbing for loose or frayed stitching and security of attachment.

7. Lapbelt release assembly for loose or missing screws and corrosion.

8. Swaged balls on cable assemblies for security of attachment. Refer to paragraph 10-40 for the swaged ball pull test to be performed during the Acceptance Inspection only.

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10-39. (Before ACC 377) Closure Strap Arming Wire Pin Pull Test. To check for force needed to pull the arming wire pin from the hinge, proceed as follows:

Materials Required

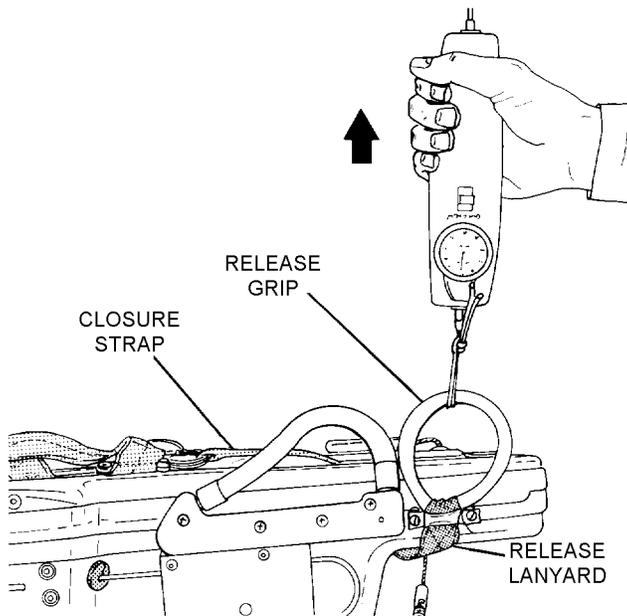
| Quantity | Description | Reference Number |
|-------------|------------------------|---------------------------------|
| As Required | Krytox 240AC, Type III | MIL-G-27617 NIIN 00-961-8995 |

Support Equipment Required

| Quantity | Description | Reference Number |
|----------|-------------------------------------|------------------------|
| 1 | Dial Push/Pull Gage, 0 to 50 Pounds | DPP-50 (CAGE 11710) |

1. Attach push/pull gage to closure strap release grip.

2. Measure force required to pull arming wire pin free from hinge. Force required shall be 10 to 30 pounds.



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Step 2 - Para 10-39

3. Visually inspect arming wire pin, hinge, and Fhanstock clip (if installed) for evidence of corrosion or damage.

4. Visually inspect closure strap release lanyard and closure strap webbing for evidence of fraying or damage. Replace all frayed or damaged items.

5. Lubricate arming wire pin with light coating of Krytox 240AC.

10-40. Swaged Ball Pull Test (Acceptance Inspection Only). To check the security of the swaged ball attachments on cable assemblies, perform pull test as follows:

Materials Required

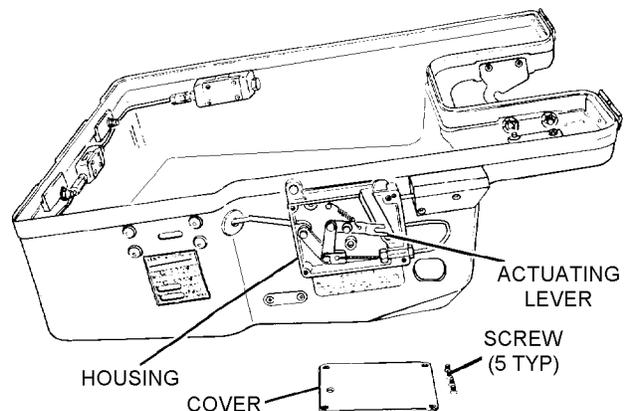
| Quantity | Description | Reference Number |
|-------------|--------------------|--------------------------------|
| As Required | Nylon Cord, Type I | MIL-C-5040 NIIN 00-240-2154 |

Support Equipment Required

| Quantity | Description | Reference Number |
|----------|--------------------------------------|-------------------------|
| 1 | Dial Push/Pull Gage, 0 to 100 Pounds | DPP-100 (CAGE 11710) |

1. Remove five screws and cover from assembly.

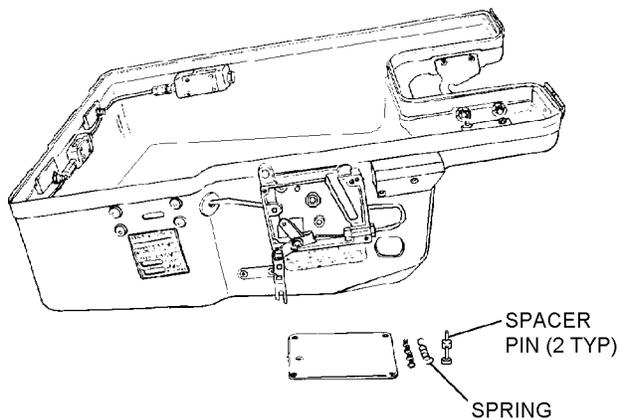
2. Push actuating lever down.



63-1004

Step 2 - Para 10-40

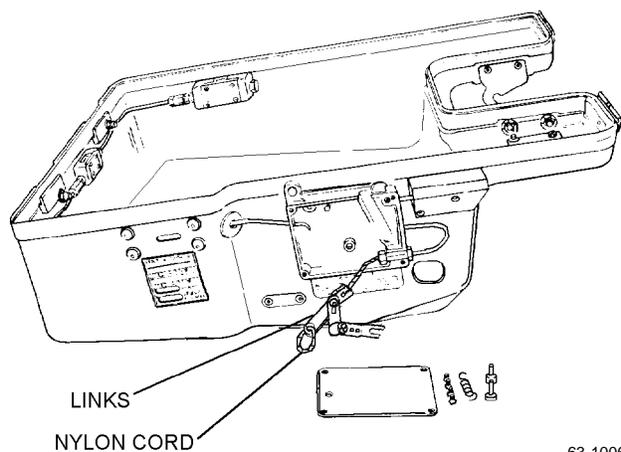
3. Remove spring and two spacer pins. Lift actuating lever assembly with cable inserted in clevis from housing.



63-1005

Step 3 - Para 10-40

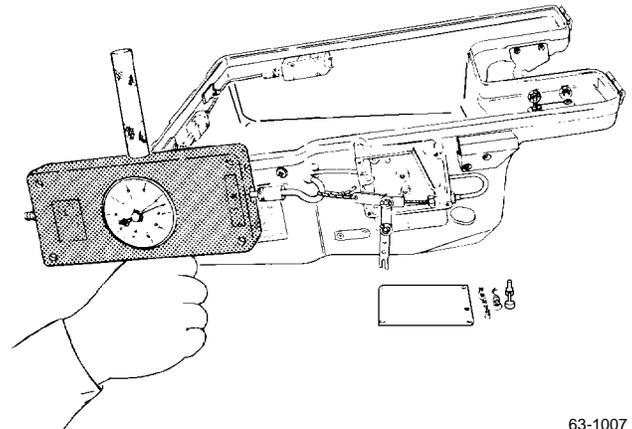
4. Thread approximately 5 inches of nylon cord MIL-C-5040 through LINKS and tie both ends together.



63-1006

Step 4 - Para 10-40

5. Insert hook of push/pull gage into loop of nylon cord.

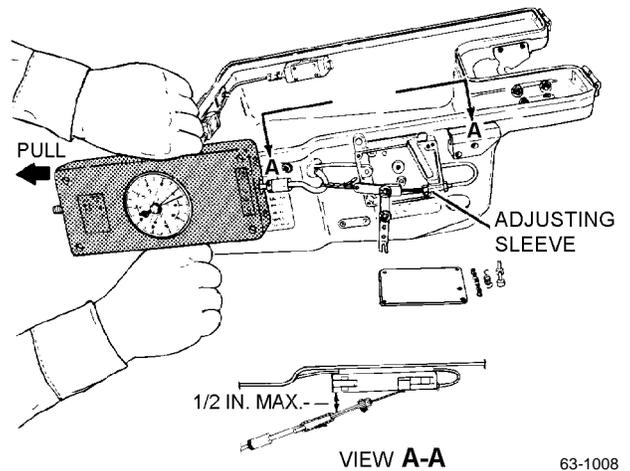


Step 5 - Para 10-40



Ensure adjusting sleeve does not move from housing while pull force is exerted.

6. Pull push/pull gage towards aft direction of kit and in normal direction of cable operation. Ensure links and clevis are not pulled from housing more than 1/2 inch. Swaged balls shall withstand 100-pound pull force.



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Step 6 - Para 10-40

7. If assembly fails to meet specified pull force, slide ball off cable and swage new ball in same location.

8. Assemble parts and install cover on housing.

10-41. FUNCTIONAL CHECK. The functional check shall be performed anytime a kit is placed in service, after any adjustment procedures, or when equipment condition, visual external inspection, or record examination indicates such action is warranted to determine the condition of the kit. To perform a functional check proceed as follows:

Materials Required

| Quantity | Description | Reference Number |
|-------------|---------------------------------|---------------------------------|
| As Required | Leak Detection Compound, Type I | MIL-L-25567 |
| As Required | Lint-free Cloth | MIL-C-85043 NIIN 00-044-9281 |

Support Equipment Required

| Quantity | Description | Reference Number |
|----------|-----------------------------------|--------------------------------------------------------------|
| 1 | Test Stand | 59A120 (CAGE 02551) -or- 31TB1995-1 (CAGE 99251) |
| 1 | Dial, Push/Pull Gage, 0-50 Pounds | DPP-50 (CAGE 11710) |
| 1 | Toggle Reset Tool | Fabricate IAW paragraph 10-74 |



Before use, inspect leak detection compound. Compound which is not clear and free from suspended material/sediment is considered contaminated and shall be disposed of. Compound exhibiting peculiar odors, such as acetone or alcohol, is considered contaminated and shall be disposed of.



Discontinue functional test if seat kit fails to pass any steps of test procedures. Repair malfunction before continuing procedures or damage to seat kit may result. After repair, the entire test procedure shall be performed.

NOTE

Performance of test stand is dependent upon skill of operator. It is imperative that operator be thoroughly familiar with instruments, controls, and connections that comprise systems incorporated in test stand. See NAVAIR 17-15BC-20 and NAVAIR 13-1-6.4-4 to familiarize yourself with 59A120 or 31TB1995 series liquid oxygen converter test stands.

Emergency oxygen cylinder pressures used in this functional test were derived under ideal shop conditions of 70°F (21°C). Variances in ambient air temperatures directly affect charging pressures. Refer to table 10-7 for details.

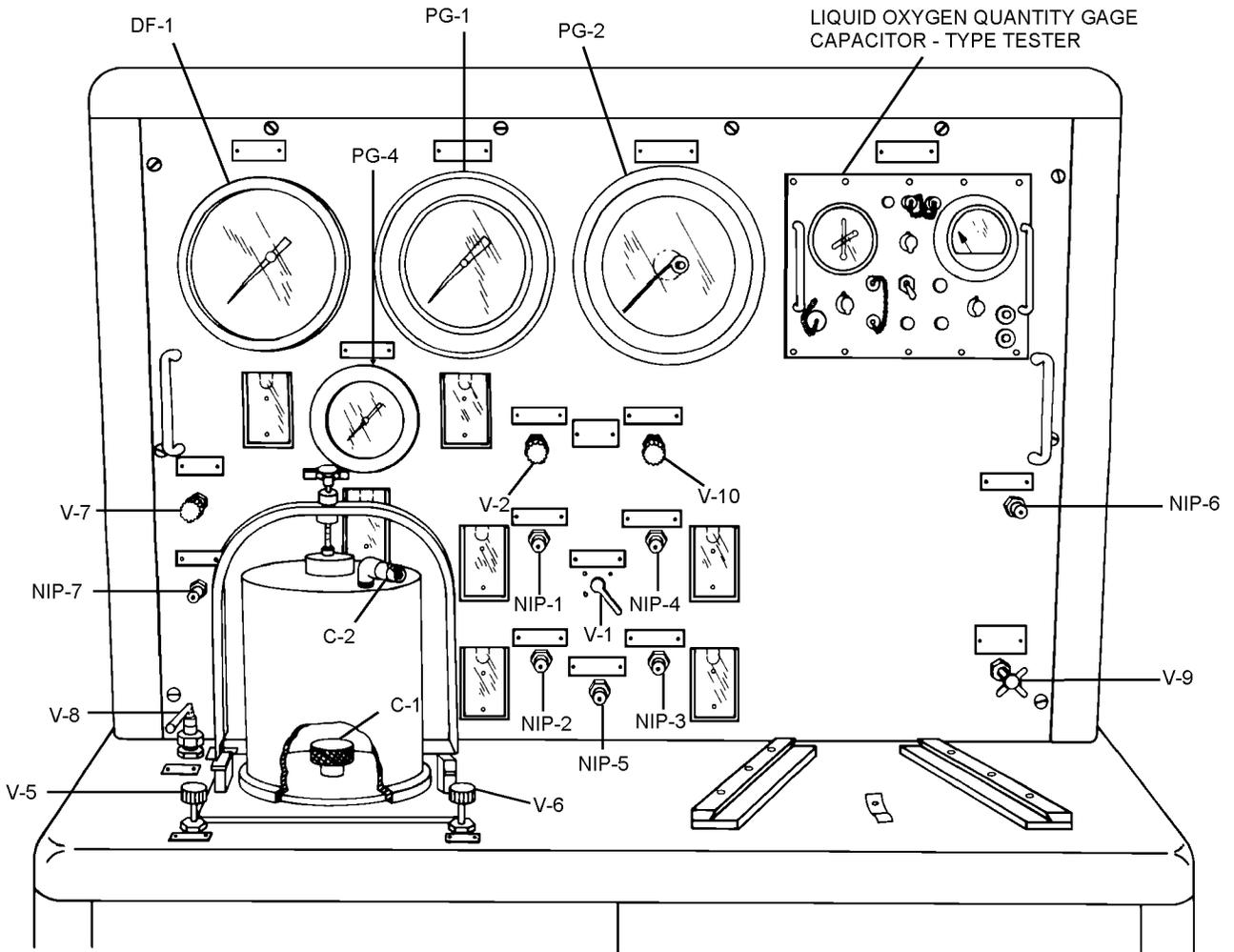
Ensure that emergency oxygen cylinder is filled to 1800 to 2000 psi.

1. Connect oxygen outlet hose of kit to fitting (C-1) and ensure that valve (V-2) is open and all other test stand valves are closed (figure 10-8).
2. Attach pull scale to manual emergency oxygen release handle.
3. Measure force required to actuate manual oxygen release. Force required shall be 10 to 30 pounds, and emergency oxygen system shall actuate and indicate 45 to 80 psi on gage (PG-1) on test stand.
4. Reset reducer.
5. Turn oxygen supply cylinder to test stand on.
6. Slowly open valve (V-6) on test stand and adjust pressure on gage (PG-1) to 90 psi.
7. Measure the force required to actuate the manual oxygen release with a scale. Force required shall be 10 to 30 pounds.

NOTE

Any degree of leakage in the oxygen system requires corrective maintenance.

8. Using leak detection compound, check all pressure lines and fittings on kit to ensure no leakage.
9. Reset reducer.



- | | | | |
|-------|------------------------------------------------------|------|--------------------------------------------|
| C-1 | BELL JAR BOTTOM COUPLING | PG-2 | FLOWMETER INDICATOR GAGE |
| C-2 | BELL JAR TOP COUPLING | PG-4 | 0 - 15 PSIG LOW PRESSURE TEST GAGE |
| DF-1 | 0 - 100" H ₂ O DIFFERENTIAL PRESSURE GAGE | V-1 | FLOWMETER SELECTOR GAGE |
| NIP-1 | 0 - 0.25 LPM FLOWMETER CONNECTION | V-2 | TEST PRESSURE GAGE TO BELL JAR VALVE |
| NIP-2 | 0 - 1 LPM FLOWMETER CONNECTION | V-5 | SYSTEM BLEED VALVE |
| NIP-3 | 0 - 50 LPM FLOWMETER CONNECTION | V-6 | OXYGEN SUPPLY VALVE |
| NIP-4 | 0 - 150 LPM FLOWMETER CONNECTION | V-7 | DIFFERENTIAL PRESSURE BLEED VALVE |
| NIP-5 | CONVERTER SUPPLY OUTLET CONNECTION | V-8 | DIFFERENTIAL PRESSURE SHUT-OFF VALVE |
| NIP-6 | SUPPLY TO CONVERTER CONNECTION | V-9 | CONVERTER SUPPLY FLOW CONTROL VALVE |
| NIP-7 | DIFFERENTIAL PRESSURE GAGE CONNECTION | V-10 | TEST PRESSURE GAGE BUILD-UP AND FLOW VALVE |
| PG-1 | 0 - 160 PSIG TEST PRESSURE GAGE | | |

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Figure 10-8. Test Stand Model 59A120

NAVAIR 13-1-6.3-1



Do not increase pressure above 150 psi.

10. Using valve (V-6), increase pressure until relief valve unseats.

NOTE

Unseating can be determined by listening and observing gage (PG-1) on test stand.

11. Repeat step 10 several times to establish a correct pressure. Relief valve shall unseat at 120 to 140 psi when pressure is increased, and reseal at 110 psi minimum when pressure is decreased. Once re-seated, relief valve shall be leak tight (no indication of pressure drop on PG-1).

NOTE

Pressure may be reduced below opening pressure of relief valve by closing valve (V-6) and opening valve (V-5).

12. Check relief valve using leak detection compound to ensure no leakage.

13. Close valve (V-6) and bleed oxygen pressure from system by opening valve (V-5). All pressure is bled when gages (PG-1) and (PG-4) indicate zero pressure.

14. Close valve (V-5).

15. Ensure valve (V-2) is opened and all other test stand valves are closed.

16. Measure force required to disengage automatic oxygen release with a scale. Force required shall be 10 to 30 pounds and emergency oxygen system shall actuate and indicate 45 to 80 psi on gage (PG-1) on test stand.

17. Reset reducer.

18. Open valve (V-5), and ensure that all other test stand valves are closed.

19. Actuate toggle on reducer to ensure positive flow through valve (V-5). Reset reducer assembly.

20. Open valve (V-8).

21. Slowly close valve (V-5), while observing gage (DF-1).

NOTE

Observe gage (DF-1) for two minutes to ensure no leakage. Any pressure rise indicates leakage in the reducer valve seat and requires corrective maintenance.

22. Close valve (V-8), open valve (V-5), and disconnect oxygen outlet hose from fitting (C-1).

23. Ensure all valves on the test stand are secured.

24. Connect oxygen outlet hose to fitting (NIP-6). Ensure that valve (V-10) is open and all other test stand valves are closed.

25. Connect test stand hose to fitting (NIP-5) and fitting (NIP-4).

26. Move valve (V-1) to (NIP-4) position.

27. Ensure that 1800 to 2000 psi is in oxygen cylinder of kit.

28. Pull manual oxygen release. Slowly open valve (V-9) to indicate 90 LPM on gage (PG-2). Oxygen pressure shall indicate 45 to 80 psi on gage (PG-1).

NOTE

When needle of cylinder pressure gage is between E and F of REFILL, pressure is approximately 250 psi.

29. Observe emergency oxygen cylinder pressure gage and allow system to decrease to 250 psi while maintaining 90 LPM and 45 to 80 psi pressure.

30. Close valve (V-9).

31. With zero flow indicated on gage (PG-2), pressure indicated on gage (PG-1) shall be 45 to 80 psi.

32. Reset reducer.

33. Bleed oxygen pressure from system by opening valves (V-5) and (V-2). All pressure is bled when gages (PG-1) and (PG-4) indicate zero pressure.

34. Disconnect kit from test stand.

35. Secure test stand.

36. All areas where leak detection compound was applied shall be wiped thoroughly clean. Dry with lint-free cloth, filtered low pressure compressed air, or low pressure nitrogen.

37. Recharge emergency oxygen cylinder to 1800 to 2000 psi. Refer to [paragraph 10-42](#) for charging procedures.

38. Perform release handle pull test on a fully packed kit in accordance with [paragraph 10-26](#).

10-42. PURGING AND CHARGING EMERGENCY OXYGEN SYSTEM. To purge and charge the emergency oxygen system proceed as follows:

Materials Required

| Quantity | Description | Reference Number |
|-------------|-------------------------------------|------------------|
| As Required | Leak Detection Compound, Type I | MIL-L-25567 |
| As Required | Nitrogen, Type I, Class 1, Grade B | BB-N-411 |
| As Required | Aviator's Breathing Oxygen, Type II | MIL-O-27210 |

Support Equipment Required

| Quantity | Description | Reference Number |
|----------|--------------------------------|----------------------------------|
| 1 | Oxygen Purging Electric Heater | C5378 (CAGE 96787) or Equivalent |
| 1 | Shut-off Valve | — |
| 1 | Pressure Regulator | — |
| 1 | Adapter, Filling (Optional) | 21000T130-1 (CAGE 53655) |



Servicing of emergency oxygen system is accomplished only after removal of personnel parachute and survival kit from aircraft.

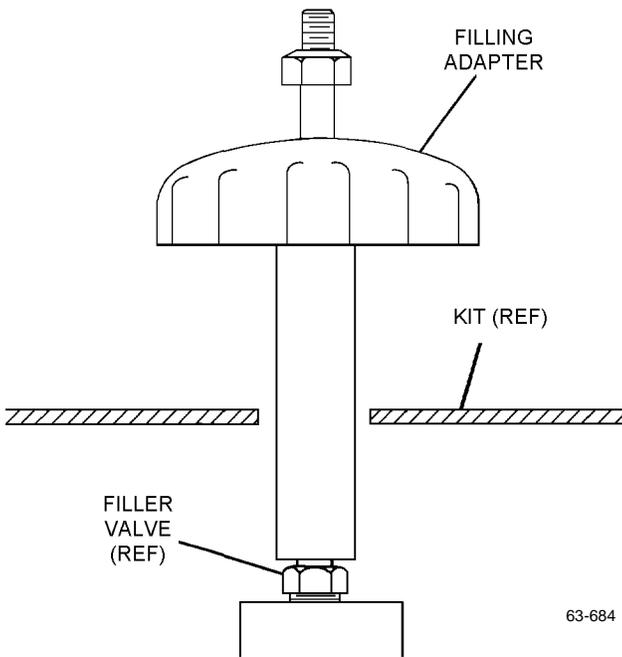
Before use, inspect leak detection compound. Compound which is not clear and free from suspended material/sediment is considered contaminated and shall be disposed of. Compound exhibiting peculiar odors, such as acetone or alcohol, is considered contaminated and shall be disposed of.

1. If survival kit assembly has not been removed from aircraft, remove personnel parachute and survival kit in accordance with applicable maintenance manual.

WARNING

If necessary to release pressure in oxygen bottle before purging/filling, pull emergency oxygen lanyard. This releases pressure through pressure reducer. **DO NOT** release pressure through filler valve or adapter. Releasing high-pressure oxygen through restriction of filler valve causes heat. Fire or explosion may result.

2. Remove oxygen filler valve cap and connect filling adapter to filler valve.



Step 2 - Para 10-42

NOTE

If the emergency oxygen system is contaminated or the cylinder has remained empty for more than 2 hours purging is required. If an emergency oxygen cylinder does not warrant the purging process proceed to step 10 for charging sequence.

3. Deplete emergency oxygen cylinder if necessary.

4. Connect nitrogen source to filling adapter, and close pressure reducer.

NOTE

If relief valve on Oxygen Purging Electric Heater will not allow 100 psi, raise pressure only to allowable limit.

5. Slowly pressurize to 100 psi with nitrogen at temperature of 110° to 130°C (230° to 266°F) using electric heater.

6. Turn off nitrogen source and deplete oxygen cylinder.

7. Repeat steps 5 and 6, twice.

8. With pressure reducer open, turn on nitrogen source and purge for 10 minutes at temperature of 110° to 130°C (230° to 266°F).

9. Turn off nitrogen source and disconnect.

10. Connect oxygen source to filling adapter with suitable pressure regulator and shut-off valve.

WARNING

When resetting reducer toggle ensure toggle is in the vertical (cocked) position and ensure cables and cable balls are not wrapped around reducer toggle and jammed against the inside of the kit lid.

11. Reset pressure reducer toggle and ensure toggle is in the vertical (cocked) position and cables and cable balls are not wrapped around reducer toggle and jammed against the inside of the kit lid.

12. Slowly pressurize to 100 psi.

13. Deplete cylinder to 50 psi.

14. Ensure that minimum slack exists in actuating cables of reducer/manifold, yet enough to ensure full engagement of toggle arm.

WARNING

Observe filling stages as rapid application of oxygen pressure creates heat which may result in fire or explosion.

Allow no less than 3 minutes for each filling stage and 2 minute intervals for cooling between stages.

NOTE

If kit is to be stored or shipped, the emergency oxygen bottle shall be depleted or filled to 200 PSI (when needle on gage bisects E of refill). For shipping, fill or deplete to 25 PSI using the gage on the oxygen refill cylinder.

15. Charge emergency oxygen system in stages in accordance with [table 10-6](#) until pressure gage indicates correct pressure for existing ambient temperature ([table 10-7](#)).

WARNING

Visually ensure that filler valve does not turn as filling adapter is removed. Serious injury could result.

16. Loosen filling adapter until all pressure is bled from high-pressure line. Remove filling adapter.

NOTE

Alternate Fill Valve P/N 9120097-27 is coreless and has a maximum leakage rate of 1 cc/hr. This will be evident by very tiny bubbles passing though the top of the valve when leak detection compound is applied level to the top rim. No leaks around the threads are acceptable. If large bubbles are evident, contact survival kit FST for disposition.

17. Apply leak test compound around filler valve, gage and reducer. Check for leaks then wipe connections clean using a lint-free cloth.

18. Replace oxygen filler valve cap on filler valve.

19. If the personnel parachute and survival kit assembly were removed in step 1, install using the applicable maintenance manual.

Table 10-6. Charging Stages

| Stage | PSI |
|-------|------|
| 1 | 500 |
| 2 | 1000 |
| 3 | 1500 |
| 4 | 1800 |
| 5 | 2000 |

Table 10-7. Ambient Air Temperature Vs Charging Pressures

| Ambient Air Temperature | | Charging Pressure |
|-------------------------|-----|-------------------|
| °F | °C | PSI |
| 0 | -18 | 1550-1750 |
| 10 | -12 | 1600-1775 |
| 20 | -7 | 1625-1800 |
| 30 | -1 | 1675-1850 |
| 40 | 5 | 1700-1875 |
| 50 | 10 | 1725-1925 |
| 60 | 16 | 1775-1975 |
| 70 | 21 | 1800-2000 |
| 80 | 27 | 1825-2050 |
| 90 | 32 | 1875-2075 |
| 100 | 38 | 1900-2125 |
| 110 | 43 | 1925-2150 |
| 120 | 49 | 1975-2200 |
| 130 | 54 | 2000-2225 |

Section 10-6. Maintenance

10-43. GENERAL.

WARNING

Keep working area clean and free of oil, grease, and dirt. Do not attempt to perform any component removal with oxygen system pressurized.

NOTE

Unless otherwise indicated, maintenance instructions set forth in this section shall apply to all East/West RSSK-8 Series Survival Kit assemblies.

10-44. This section contains procedures for troubleshooting, disassembly, cleaning, inspection of disassembled parts, repair or replacement of parts, reassembly, and adjustment. Disassemble only to extent required to perform task. Work shall be performed in a clean, dust- and grease-free area.

10-45. TROUBLESHOOTING.

10-46. Where troubles or operating malfunctions are encountered, locate probable cause and remedy using [table 10-8](#).

10-47. DISASSEMBLY.

10-48. Disassemble the survival kit using the index numbers assigned to [figures 10-19 through 10-23](#) for the RSSK-8 and [figures 10-24 through 10-29](#) for the RSSK-8E as references.

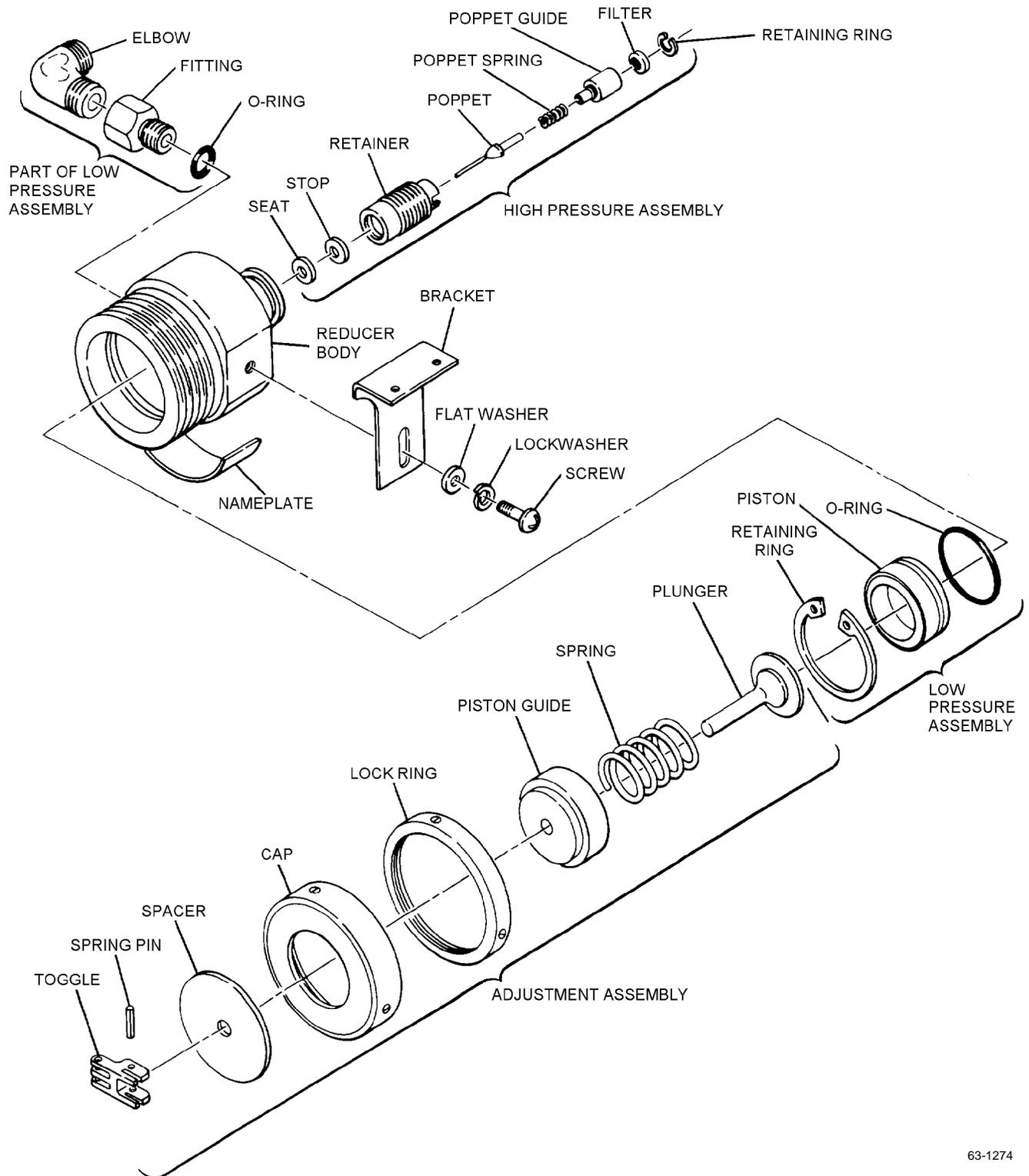
NOTE

Discard all O-rings, seals, cotter pins, and teflon sealing tape removed from oxygen connections during disassembly. Discard any threaded inserts, rivets, rubber pads, seals, molding, or hook and pile fasteners tape removed during disassembly of the kit.

10-49. DISASSEMBLY OF PRESSURE REDUCER (RSSK-8E ONLY). The following procedures disassemble the reducer assembly into three major areas: removal and disassembly of adjustment assembly, disassembly of high pressure assembly, and disassembly of low pressure assembly. Determine the area of malfunction using [table 10-8](#) and disassemble only to the extent necessary to replace the defective component. See [figure 10-9](#), and proceed as follows:

Support Equipment Required

| Quantity | Description | Reference Number |
|----------|------------------------------------------------------------|-----------------------------------------------|
| 1 | Vise | — |
| 1 | Pressure Reducer Tool Set (figure 10-10) | T216D900-1 (CAGE 30941) NIIN 01-100-8928 |
| 1 | Retaining Ring Pliers | S0100 (CAGE 79136) |
| 1 | Retaining Ring Pliers | SL0100 (CAGE 79136) |
| 1 | Toggle Reset Tool | Fabricate IAW paragraph 10-74 |
| 1 | Hex Key, 5/32 Inch | — |



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Figure 10-9. Reducer Assembly (RSSK-8E)

Table 10-8. Troubleshooting

| Trouble | Probable Cause | Remedy |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Low or zero pressure indication on oxygen gage. | Oxygen tube empty. | Recharge oxygen system in accordance with paragraph 10-42 . |
| | Defective pressure gage. | Replace gage. |
| | Oxygen system components are leaking. | Tighten connections or replace defective parts as required. |
| No oxygen flow at kit-to-man hose from aircraft system (emergency oxygen system not actuated). | Defective check valve. | Replace check valve. |
| Relief Valve Leakage. | Defective valve. | Replace relief valve. |
| Emergency oxygen system relief valve does not operate within tolerance of 120 to 140 psi when simulated aircraft back pressure is applied during test. | Defective or incorrectly adjusted pressure relief valve. | Replace or adjust pressure relief valve in accordance with paragraph 10-70 . |
| Oxygen flow exists at ship-to-kit hose when emergency oxygen system is actuated during test. | Defective check valve. | Replace check valve. |
| No oxygen flow kit-to-man hose when emergency oxygen system is actuated by emergency oxygen lanyard or emergency manual oxygen release. | Lower adjuster of oxygen actuator assembly not adjusted correctly: Oxygen lanyard or manual release pulls free of actuator assembly before reducer/manifold toggle arm is operated by actuator cables. | Adjust oxygen actuator assembly in accordance with paragraph 10-71 . |
| Emergency oxygen does not actuate when manual release is pulled. | Reducer toggle forced beyond vertical (cocked) position, canted or turned. | Reposition toggle. |
| | Cable balls may be wrapped around reducer toggle and jammed against inside of kit lid. | Inspect manual cable assembly and reposition. |
| | | Inspect and adjust the emergency oxygen actuator cable assembly in accordance with paragraph 10-71 . |
| Emergency oxygen does not actuate when automatic release is pulled. | Reducer toggle forced beyond vertical (cocked) position, canted or turned. | Reposition toggle and adjust the emergency oxygen actuator cable assembly in accordance with paragraph 10-71 . |

Table 10-8. Troubleshooting (Cont)

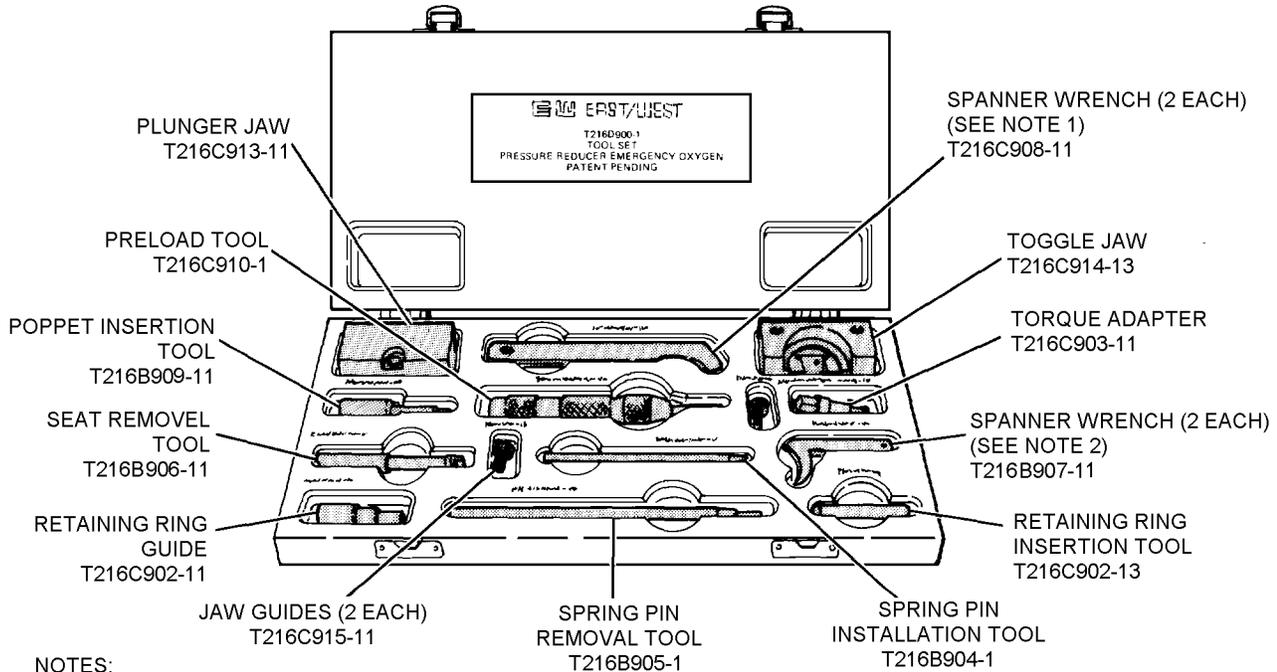
| Trouble | Probable Cause | Remedy |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Emergency oxygen does not actuate when automatic release is pulled. (Cont) | Automatic actuation cable out of adjustment. | Inspect and adjust the emergency oxygen actuator cable assembly in accordance with paragraph 10-71 . |
| | Cable balls may be wrapped around reducer toggle and jammed against inside of kit lid. | |
| Pull force to actuate emergency oxygen system by emergency oxygen lanyard or emergency manual oxygen release is not within tolerance of 10 to 30 pounds. | Cable assembly broken. | Replace cable assembly. |
| | Foreign matter in actuator. | Clean actuator assembly. |
| | Expanded diameter of retaining ring on emergency manual oxygen release causing an increased retention load within adjuster of oxygen actuator assembly. | Replace oxygen actuator assembly. |
| | Burrs and corrosion on grip assembly and adjuster nut. | Polish off burrs and corrosion and lubricate. |
| Emergency lanyard coupling assembly loose. | Broken or missing spring. | Repair in accordance with paragraph 10-59 . |
| Operation of handle fails to separate upper from lower container. | Lock actuating cable out of adjustment. | Adjust cable in accordance with paragraph 10-69 . |
| | Broken, crushed or bent lock actuating cable assembly. | Replace discrepant cable. |
| | Damaged lock. | Replace discrepant lock. |
| | Swaged ball slipped off cable. | Install new swaged ball on cable. |
| Handle does not release from kit within tolerance of 10 to 30 pounds. | Broken, crushed or bent lock actuating cable assembly. | Replace discrepant cable. |
| | Damaged lock. | Replace discrepant lock. |
| Loss of aircraft communication. | Broken or misaligned pins and sockets in hose connectors. Open or short circuit in oxygen hose wiring. | Replace hose assembly for misaligned pins and sockets. Open or short circuited wiring, may be repaired. Refer to chapter 4 . |
| Unable to obtain proper adjustment of lapbelt assembly. | Faulty lapbelt adjuster. | Inspect/replace lapbelt adjuster in accordance with paragraph 10-61 . |
| | Improper routing of webbing. | |

Table 10-8. Troubleshooting (Cont)

| Trouble | Probable Cause | Remedy |
|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| (RSSK-8E ONLY) No oxygen output pressure with pressure reducer actuated. | Weak or broken spring (23, figure 10-27) in pressure reducer. | Bleed system; disassemble in accordance with paragraph 10-49 and replace spring. |
| | Pressure reducer out of adjustment. | Adjust pressure reducer in accordance with paragraph 10-68 . |
| | Defective oxygen gage. | Bleed system; replace oxygen gage. |
| | Foreign matter in output flow path. | Bleed system; disassemble in accordance with paragraph 10-49 and clean. |
| | Poppet (13, figure 10-27) does not extend into position. | Bleed system; disassemble in accordance with paragraph 10-49 and replace poppet and seat. |
| (RSSK-8E ONLY) Oxygen system output pressure not within 45 to 80 psig limits. | Pressure reducer out of adjustment. | Adjust pressure reducer in accordance with paragraph 10-68 . |
| | Weak or broken poppet spring (12, figure 10-27) in pressure reducer. | Bleed system; disassemble in accordance with paragraph 10-49 and replace poppet spring. |
| | Defective pressure reducer. | Replace reducer. |
| (RSSK-8E ONLY) Pulsating pressure at outlet port. | Bent plunger (24, figure 10-27). | Bleed system; disassemble in accordance with paragraph 10-49 and replace plunger. |
| (RSSK-8E ONLY) Oxygen system leaking; low pressure side of reducer. | Defective O-ring (27, figure 10-27). | Bleed system; disassemble in accordance with paragraph 10-49 and replace O-ring. |
| | Weak or broken poppet spring (12, figure 10-27) in pressure reducer. | Bleed system; disassemble in accordance with paragraph 10-49 and replace poppet spring. |
| (RSSK-8E ONLY) Pressure reducer will not shut off. | Bent poppet (13, figure 10-27). | Bleed system; disassemble in accordance with paragraph 10-49 and replace poppet. |
| | Broken poppet spring (12, figure 10-27). | Bleed system; disassemble in accordance with paragraph 10-49 and replace poppet spring. |
| | Dirt. | Bleed system; disassemble in accordance with paragraph 10-49 and clean. |

Table 10-8. Troubleshooting (Cont)

| Trouble | Probable Cause | Remedy |
|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| (RSSK-8E ONLY) Pressure reducer will not shut off. (Cont) | Misaligned seat (16, figure 10-27). | Bleed system; disassemble in accordance with paragraph 10-49 and replace seat. |
| | Defective retaining ring (9, figure 10-27). | Bleed system; disassemble in accordance with paragraph 10-49 and replace retaining ring. |
| (RSSK-8E ONLY) Pressure reducer does not meet required flows. | Pressure reducer out of adjustment. | Adjust pressure reducer in accordance with paragraph 10-68 . |
| | Weak or broken poppet spring (12, figure 10-27) in pressure reducer. | Bleed system; disassemble in accordance with paragraph 10-49 and replace poppet spring. |
| | Improper assembly of pressure reducer. | Bleed system; disassemble in accordance with paragraph 10-49 and clean. |
| | Dirty filter assembly (10, figure 10-27). | Bleed system; disassemble in accordance with paragraph 10-49 and replace filter assembly. |
| (RSSK-8E ONLY) Oxygen system leaking; high pressure side of reducer. | Misaligned seat (16, figure 10-27). | Bleed system; disassemble in accordance with paragraph 10-49 and replace seat. |
| | Bent poppet (13, figure 10-27). | Bleed system; disassemble in accordance with paragraph 10-49 and replace poppet. |
| | Broken poppet spring (12, figure 10-27). | Bleed system; disassemble in accordance with paragraph 10-49 and replace poppet spring. |
| | Inverted backup ring. (15, figure 10-27). | Bleed system; disassemble in accordance with paragraph 10-49 and replace backup ring. |
| (RSSK-8D ONLY) Oxygen pressure at kit-to-man hose not within tolerance of 45 to 80 psi when emergency oxygen system actuated during test. | Defective oxygen reducer/manifold. | Replace oxygen reducer/manifold. |



NOTES:

- 1 USED WHEN PRESSURE REDUCER IS REMOVED FROM SURVIVAL KIT.
- 2 USED WHEN PRESSURE REDUCER IS INSTALLED IN SURVIVAL KIT.

63-1157

Figure 10-10. Emergency Oxygen Pressure Reducer Tool Set

WARNING

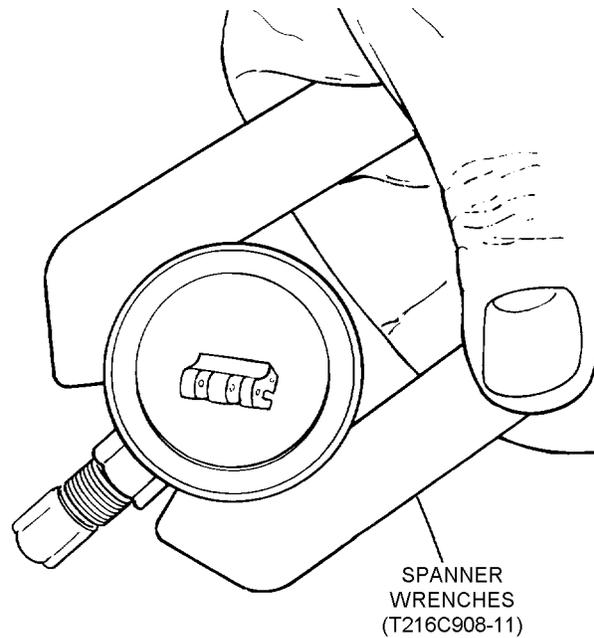
Do not use oil or any material containing oil in conjunction with oxygen equipment. Oil, even in a minute quantity, coming in contact with oxygen can cause explosion or fire. Dust, lint, and fine metal particles are also dangerous.

NOTE

Maintenance personnel are cautioned to read and thoroughly understand each step prior to the attempting any maintenance action.

1. Remove and disassemble adjustment assembly as follows:

- a. Position oxygen pressure reducer assembly with cap adjustment side up. Loosen lock ring, using spanner wrench (T216C908-11) in a clockwise rotation while holding the adjusting cap with the second spanner wrench.



SPANNER WRENCHES (T216C908-11)

63-1261

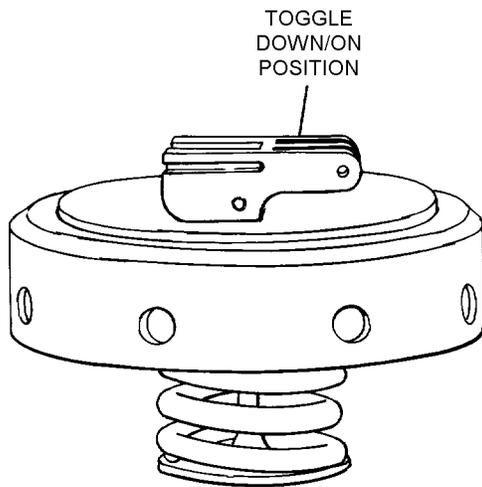
Step 1a - Para 10-49

NOTE

To permit hand removal of the adjustment assembly ensure that toggle is in upright (OFF) position. To obtain desired position, insert toggle reset tool in slot on either side of toggle and twist.

b. Remove adjustment assembly from pressure reducer by rotating in a counterclockwise direction.

c. Using toggle reset tool, trip/rotate toggle to down (ON) position to reduce tension on toggle and plunger spring assembly.

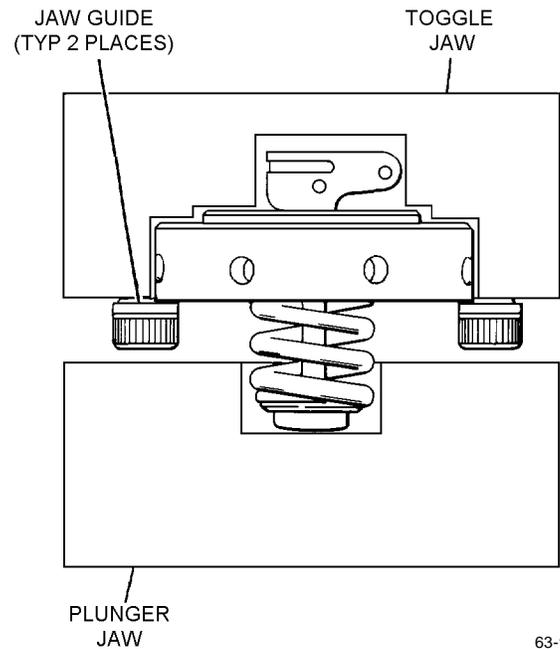


63-1161

Step 1c - Para 10-49

d. Using appropriate Allen key, screw jaw guides into the two threaded holes in the toggle jaw.

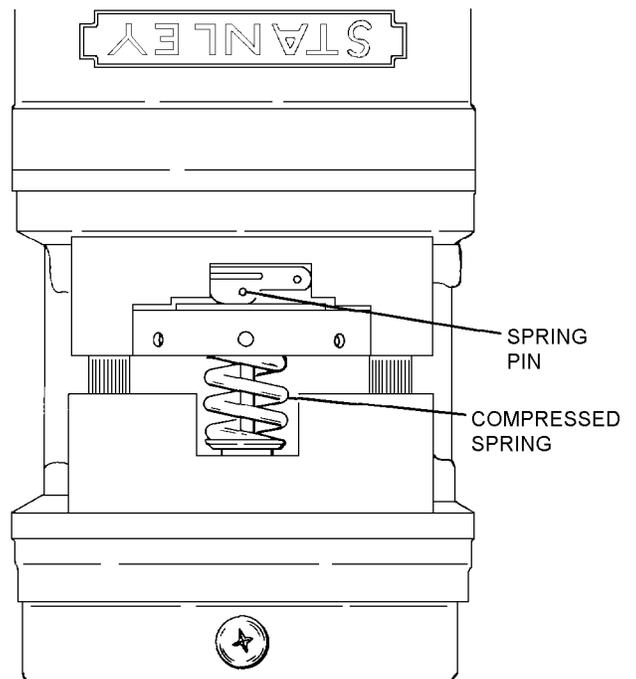
e. Position adjustment assembly in the toggle and plunger jaws.



63-1162

Step 1e - Para 10-49

f. Place toggle and plunger in a vise. Align fixture and tighten to compress spring and relieve tension on the spring pin and toggle attachment.

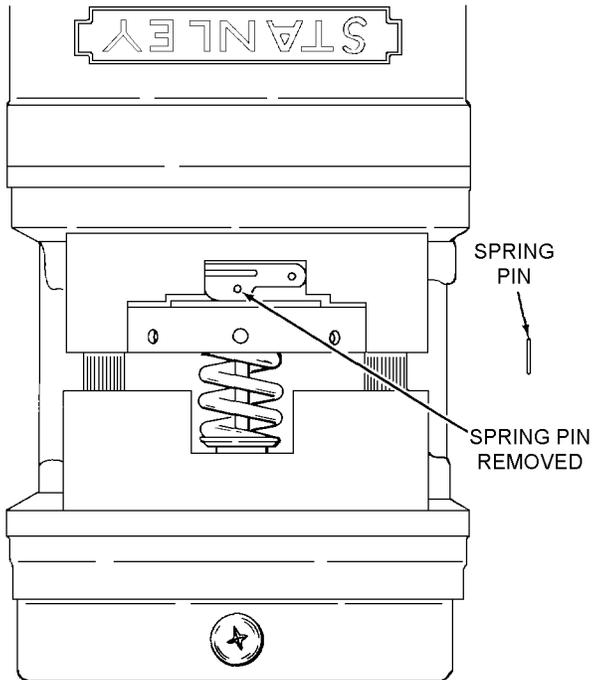


63-1163

Step 1f - Para 10-49

NAVAIR 13-1-6.3-1

g. Using spring pin removal tool, punch out spring pin and discard.



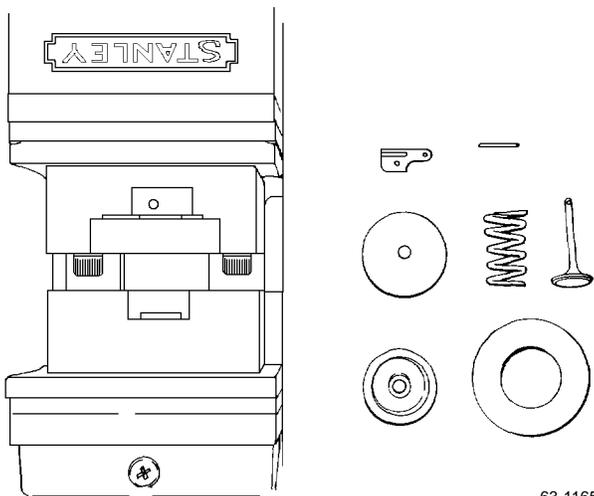
63-1164

Step 1g - Para 10-49

NOTE

Spring pin is the only attachment point of components.

h. Loose vise jaws to relieve pressure. Remove adjustment assembly from toggle and plunger jaws and disassemble. Replace worn or defective parts as necessary.



63-1165

Step 1h - Para 10-49

2. Disassemble low pressure assembly as follows:

a. Remove elbow.

b. Remove fitting.

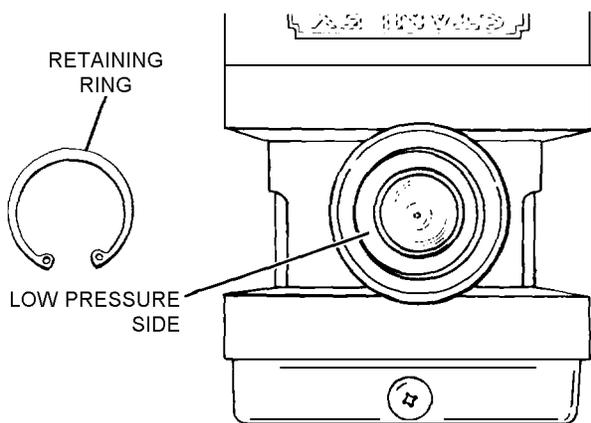
c. Remove and discard O-ring.

d. Position oxygen pressure reducer assembly with adjustment side or low pressure side up and secure.

NOTE

If adjustment assembly has not been removed, remove in accordance with [step 1](#).

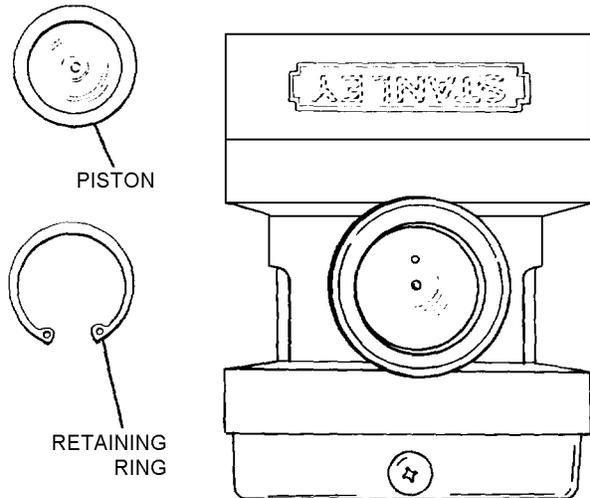
e. Remove retaining ring, using retaining ring pliers (SL0100) or equivalent.



63-1262

Step 2e - Para 10-49

f. Remove piston from reducer body bore, using retaining ring pliers with points pressed against piston skirt.



63-1263

Step 2f - Para 10-49

g. Remove and discard O-ring from piston.

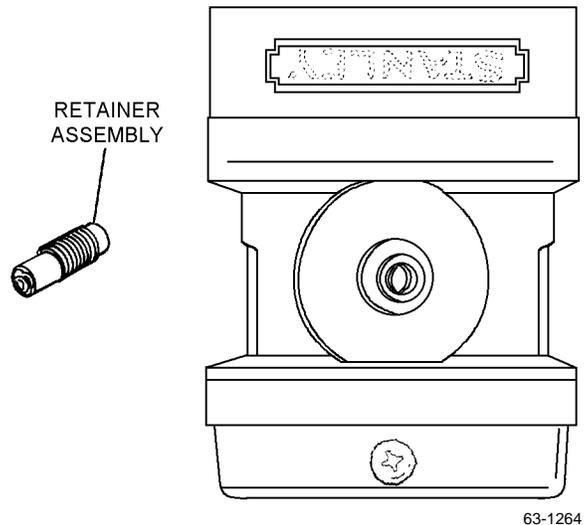
3. Disassemble high pressure assembly as follows:

a. Position and secure oxygen pressure reducer with high pressure assembly facing up.

NOTE

The retaining ring, filter, poppet guide, and spring usually withdraw from the reducer assembly housing still connected to the retainer unit.

b. Using torque adapter, remove retainer from reducer body, by rotating counterclockwise.

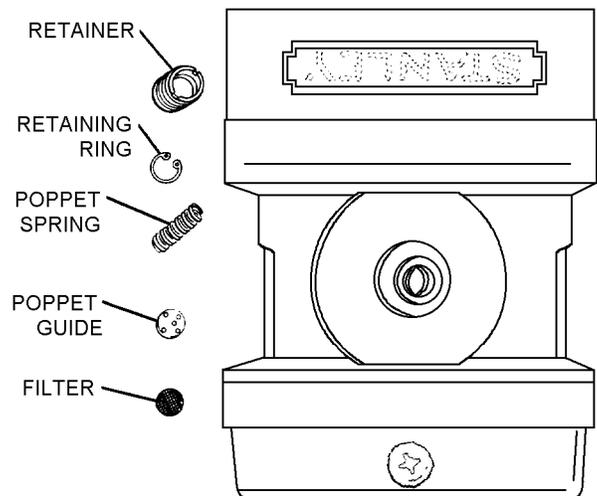


63-1264

Step 3b - Para 10-49

c. Remove retaining ring, using retaining ring pliers (S0100) or equivalent.

d. Remove filter, poppet guide, and poppet spring from retainer.



63-1265

Step 3d - Para 10-49

NAVAIR 13-1-6.3-1

NOTE

In some instances the seat will not come out with the stop; instead it will stay pressed in the reducer sealing groove. If this condition occurs, perform [steps f, g, and h](#) in order to facilitate removal without damaging the reducer body.

e. Invert reducer body and remove poppet, backup stop ring, and seat.

f. (If seat cannot be removed ONLY) Insert seat removal tool into body.

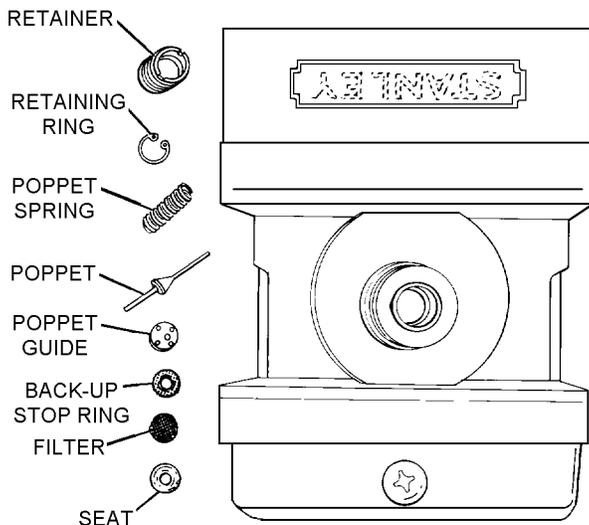


Do not cut into reducer body.

g. (If seat cannot be removed ONLY) Rotate seat removal tool until seat is loosened from reducer sealing groove.

h. (If seat cannot be removed ONLY) Visually inspect seating area of reducer body for removal of seat. Remove any foreign matter.

i. Replace worn or defective parts as necessary.



63-1266

Step 3i - Para 10-49

10-50. CLEANING.

10-51. To clean the disassembled oxygen and non-oxygen components of the kit (except for cushions and fabric components) refer to NAVAIR 13-1-6.4-1.

10-52. CLEANING CUSHIONS AND FABRIC COMPONENTS. Clean seat and thigh support cushions and all fabric components as follows:

Materials Required

| Quantity | Description | Reference Number |
|-------------|----------------------------|---------------------------------|
| As Required | Cleaning Compound | MIL-C-25769 |
| As Required | Detergent, General Purpose | MIL-D-16791 |
| As Required | Lint-free Cloth | MIL-C-85043 NIIN 00-044-9281 |

NOTE

If using cleaning compound (MIL-C-25769), combine one part compound to three parts water. If using general purpose detergent, follow directions on container.

1. Prepare detergent or cleaning compound (MIL-C-25769) solutions.

2. Apply solution to soiled area with spray or sponge.

3. Allow solution to remain on surface for few minutes, then scrub with soft brush or cloth.

4. Rinse surface thoroughly with water; wipe with cloth or sponge.

NOTE

Repeat [steps 1 through 4](#) until material is clean.

5. Repeat [step 4](#) until material is free from all solution.

6. Allow material to dry thoroughly.

10-53. INSPECTION.

10-54. Inspect the disassembled parts for damage, distortion, and corrosion in accordance with [table 10-9](#). Survival items shall be inspected with NAVAIR 13-1-6.5.

10-55. INSPECTION OF FORWARD GUIDE BRACKETS. Inspect the Forward Guide Brackets on the RSSK-8 Series kits as follows:

Support Equipment Required

| Quantity | Description | Reference Number |
|----------|--------------------|------------------|
| 1 | Guide Bracket Gage | — |

NOTE

If guide bracket throat openings are not within tolerance specified, guide brackets must be replaced. Reshaping or interchanging guide brackets between manufacturers is not permitted.

1. Fabricate guide bracket gage in accordance with [paragraph 10-79](#).

2. Pass end of guide bracket gage marked 0.375 through throat portion of RSSK's forward guide bracket. If gage passes through throat portion, guide bracket has been enlarged and shall be replaced.

3. Repeat [step 2](#) for opposite guide bracket.

4. Pass end of guide bracket gage marked 0.320 through throat portion of the RSSK's forward guide bracket. If gage does not pass throat, bracket has been compressed and shall be replaced.

5. Repeat [step 4](#) for opposite guide bracket.

6. Upon receipt of new brackets, check throat openings in accordance with [steps 2, 3, 4, and 5](#).

10-56. REPAIR AND REPLACEMENT.

10-57. REPAIR. Repair of individual components within any assembly is authorized only in accordance with procedures outlined in this manual. Make necessary entries on appropriate form in accordance with OPNAVINST 4790.2 Series.

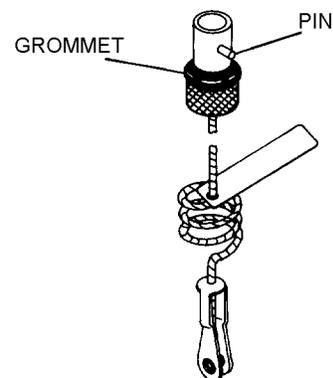
10-58. Repair of Cushion Assembly. Repair of the cushion assembly is limited to sewing of loose or open seams, broken stitches, and small rips and tears.

10-59. Repair of Emergency Oxygen Lanyard Coupling. To repair an emergency oxygen lanyard coupling assembly which contains a loose, broken, or missing spring proceed as follows:

Materials Required

| Quantity | Description | Reference Number |
|----------|-------------|-------------------------|
| 1 | Grommet | KS 88600-8 (CAGE 09344) |

1. Slide grommet over pin and position as shown.



63-503

Step 1 - Para 10-59

Table 10-9. Inspection

| Component | Task |
|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Survival Kit (Figures 10-19, 10-20, 10-24 and 10-25) | |
| Cushion Assembly (2 and 3, figure 10-19) (2 and 3, figure 10-24) | Check cover assembly for fabric damage and loose, frayed, or broken stitching. |
| | Check slide fastener for security of attachment and trouble-free operation. |
| | Check for presence and security of snaps on lower surface. |
| | Check that rubber material of cushion filler assembly is securely bonded to rigid former. |
| | Check date installed on cushion foam and replace as required. |
| Carrying Handle (RSSK-8E ONLY) (50, figure 10-25) | Check webbing for damage, wear, and security of attachment. |
| Release Handle Assembly (11, figure 10-19) (15, figure 10-24) | Check hand grip for cuts and breaks. |
| Release Assemblies | Check for obvious wear and damage; ensure that releases adopt and maintain open and closed positions during operation. |
| Parachute Retention Straps (19, figure 10-19) (21, figure 10-24) | Check buckle and parachute quick-disconnect for corrosion and security of attachment to webbing. |
| | Check quick-disconnect spring for cracks, loss of tension, deformation, and security of attachment. |
| | Check webbing for damage and loose, frayed, or broken stitching. |
| Dropline Assembly | Examine boots for fabric damage and loose, broken or frayed stitching. |
| | Check dropline for material damage and loose, frayed or broken stitching. |
| Liferaft Cover | Examine for fabric damage and loose, broken or frayed stitching. |
| Equipment Container | Check slide fastener for security of attachment and trouble-free operation. |
| | Inspect container material for damage and for loose, broken or frayed stitching. |
| Survival Items | Inspect in accordance with NAVAIR 13-1-6.5. |
| Lower Container Assembly (Figures 10-22 and 10-28) | |
| Left and Right Forward Guide Brackets (18 and 27, figure 10-22) (18 and 27, figure 10-28) | Check forward guide brackets for deformation. |
| | Check for security of attachment. |

Table 10-9. Inspection (Cont)

| Component | Task |
|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Lower Container Assembly (Figures 10-22 and 10-28) (Cont) | |
| Cable Assemblies (39 and 40, figure 10-22) (39 and 40, figure 10-28) | Check for broken, bent or crushed conduit. |
| | Inspect cables for damage or broken strands. |
| | Check for security of terminal balls on cables and couplings on conduit in accordance with paragraph 10-40. |
| | Check coupling nuts for rounded corners of flats and for thread damage. |
| | Operate cables within respective conduits and ensure that cables move freely without binding. |
| Grommet (38, figure 10-22) (38, figure 10-28) | Inspect for cracks, breaks and deterioration. |
| Lower Container Assembly (73, figure 10-22) (73, figure 10-28) | Check for cracks and damage to fiberglass and attached extruded metal lip. Ensure that extruded metal lip is securely bonded to fiberglass and there is no separation between parts. |
| (AFTER ACC-377) Handle Protector Bracket (1, figure 10-22) (1, figure 10-28) | Check for cracks and damage to plastic. |
| | Check for security of attachment. |
| Upper Container Assembly (Figures 10-19, 10-20, 10-24 and 10-25) | |
| Clamps (2, figure 10-20) (2, figure 10-25) | Check for damaged rubber. |
| Tube Assembly (1, figure 10-20) (1, figure 10-25) | Inspect tube for dents, cracks and gouges. |
| Relief Valve, Check Valves, Unions, and Cross | Inspect threads for damage. |
| Left and Right Harness Assemblies | Check bracket assembly for bends, damage, and cracks in metal adjacent to welding material and security of attachment. |
| | Check webbing for wear and damage and for frayed, broken, or loose stitching. |
| | Inspect side release lugs for damage and security of attachment. Inspect aftmost hole of release lugs for elongation. |
| | (After ACC 377 or RSSK-8E) Inspect adjuster for proper operation. Adjuster must release webbing with a maximum pull-force of 8 lb on yellow tab. Harness webbing shall move freely through adjuster in either direction. |
| | (RSSK-8E ONLY) Check screw securing pin on integrated corner bracket for security. |

Table 10-9. Inspection (Cont)

| Component | Task |
|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Upper Container Assembly (Figures 10-19, 10-20, 10-24 and 10-25) (Cont) | |
| Lid Latches (35, figure 10-20) (36, figure 10-25) | Inspect latches for distortion and damaged. |
| | Check for security of attachment. |
| Upper Container (90, figure 10-20) (96, figure 10-25) | Inspect for cracks and damage to fiberglass and attached extruded metal lip. Ensure that extruded metal lip is bonded to fiberglass and there is no separation between parts. |
| Oxygen Actuator Assembly (Figures 10-20 and 10-25) | |
| Manual Emergency Oxygen Release | (Before ACC 325 PART II) Inspect terminal assembly metal end fitting and molded rubber for damage. |
| | (After ACC 325 PART II) Inspect manual emergency oxygen release handle (green ring) for damage and security of attachment. |
| Adjuster (66, figure 10-20) (66, figure 10-25) | Check for damaged threads. |
| Actuating Cables (69 and 70, figure 10-20) (69 and 70, figure 10-25) | Inspect cables for fraying and broken strands. |
| | Check security of swaged balls and links. |
| | (RSSK-8E ONLY) Check cable tension, if necessary adjust in accordance with paragraph 10-71. |
| Lanyard Assembly (49 and 50, figure 10-20) (56 and 57, figure 10-25) | Check for security of pin in lock coupling. |
| | Inspect lanyard assembly for loose, broken or missing springs. Repair in accordance with paragraph 10-59. |
| | Inspect cables for broken strands and fraying. |
| | Check for security of balls, fork end fitting and link on respective cables. |
| | Check locking slots of coupling for wear and distortion. |
| Housing (71, figure 10-20) (71, figure 10-25) | Inspect for damage and corrosion. |
| Multi-Release Assembly (Figures 10-23 and 10-29) | |
| Cover (1, figure 10-23) (1, figure 10-29) | Check for distortion and for cracks in area of holes. |
| Lid Lock Cable Lever (10, figure 10-23) (10, figure 10-29) | Check for cracks and distortion at terminal ball area. |
| | Inspect pivot hole and slot for wear and damage. |
| Pins (4 and 7, figure 10-23) (4 and 7, figure 10-29) | Check for distortion and wear. |
| Housing (18, figure 10-23) (18, figure 10-29) | Inspect locking projection, serving multi-release handle engagement, for damage and wear. |
| | Check holes and screw threads for damage. |

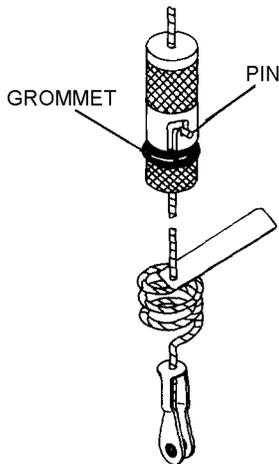
Table 10-9. Inspection (Cont)

| Component | Task |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Lock Assemblies (Figures 10-22 and 10-28) | |
| Cover (48, 55 and 65, figure 10-22) (48, 55 and 65, figure 10-28) | Check for distortion and cracks in area of holes. |
| All locknuts and nipples | Inspect for cracks and thread damage. |
| | Check for rounded corners of hexagon flats. |
| Housing (52, 62 and 72, figure 10-22) (52, 62 and 72, figure 10-28) | Inspect holes and threads for damage. |
| | Check the area serving slide operation and the latch. |
| Reducer Assembly (Figure 10-27) | |
| Toggle Arm (18, figure 10-27) | Examine pin holes for wear and threads for damage. |
| | Check toggle arm resetting slot for galling. |
| Piston (26, figure 10-27) | Check for bent shaft, damage to seat flange and for hole wear. |
| Plunger (24, figure 10-27) | Check for bent or damaged shaft diameters and head. |
| Retainer (14, figure 10-27) | Inspect for damaged threads, galled screwdriver slot, cracks and breaks. |
| Fitting (7, figure 10-27) | Check for damaged threads and round corners of hexagon flats. |
| Filter (10, figure 10-27) | Inspect for damaged mesh and security of attachment within housing. |
| Reducer/Manifold and Tube Assembly (Figures 10-20, 10-21, 10-25, 10-26 and 10-27) | |
| Housing (28, figure 10-27) | Check for gouges and other obvious damage. |
| | Inspect ports and threads for damage. |
| | Check diaphragm seating area for nicks, distortion and breaks. |
| Plug Assembly (43, figure 10-20) (44, figure 10-25) | Inspect chain and plug for damage. |
| | Inspect that chain is securely riveted to plug. |
| Cap, Body and Nut | Check for damaged threads and rounded corners of hexagon flats. |
| Valve Fitting and Indicator Manifold | Check for cracks and breaks. |
| | Inspect ports and threads for damage. |
| Gage (8, figure 10-21) (8, figure 10-26) | Check for cracked or missing glass, bent or broken needle and stop, or jammed needle. |

Table 10-9. Inspection (Cont)

| Component | Task |
|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| Reducer/Manifold and Tube Assembly (Figures 10-20, 10-21, 10-25, 10-26 and 10-27) (Cont) | |
| Gage (8, figure 10-21) (8, figure 10-26) | Inspect for rounded corners of hexagon flats, security of gage cover and damaged threads. |
| | Check for presence and security of integral filter in threaded shaft. |
| Tube Assembly (17, figure 10-21) (15, figure 10-26) | Inspect tube ends for smooth sealing surfaces. |
| | Check tube for cracks, dents, nicks, gouges and scratches which penetrate metal. |
| Retaining Pin (2, figure 10-21) (2, figure 10-26) | Inspect for damage and wear. |

2. Connect Coupling Assembly.



63-504

Step 2 - Para 10-59

10-60. REPLACEMENT. All individual components that fail to pass inspection shall be replaced except where repair procedure is indicated. Refer to source code listing (SM&R Code), in the Numerical Index of the Illustrated Parts Breakdown, to aid in determin-

ing replaceable components. All adjustable components or assemblies that failed to pass respective tests shall be adjusted to meet required specifications.

10-61. (East/West) Replacement of Lapbelt Adjuster. To replace missing or damaged lapbelt adjuster on the restraint harness, proceed as follows:

Materials Required

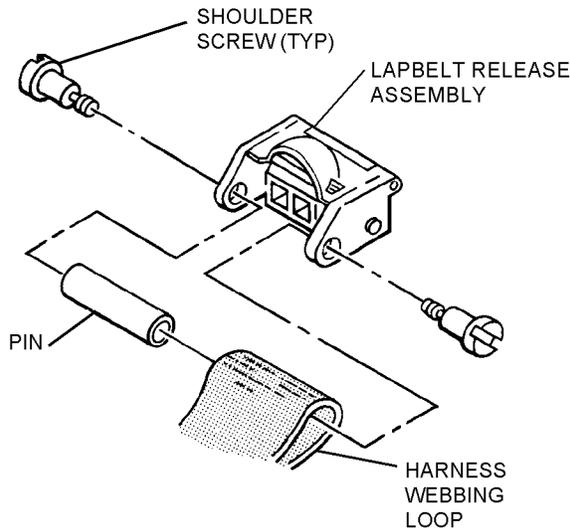
| Quantity | Description | Reference Number |
|-------------|---------------------------------------------------|------------------------------|
| As Required | Adjuster, Lapbelt | 184C100-1 (CAGE 30941) |
| As Required | Sealing, Locking, and Retaining Compound, Grade A | MIL-S-22473 NIIN 00-952-2205 |

NOTE

Replacement procedures can be used on both right and left side restraint harness assemblies.

1. Remove existing lapbelt adjuster from the restraint harness as follows:

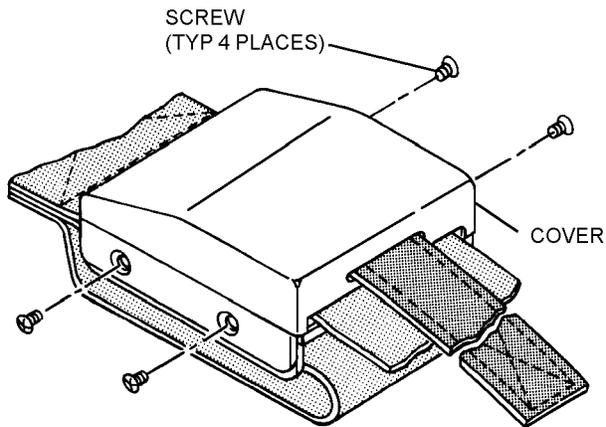
a. Remove lapbelt release assembly by removing two shoulder screws. Pull release assembly away from webbing, and slide pin out of harness webbing loop. Retain all parts.



63-1043

Step 1a - Para 10-61

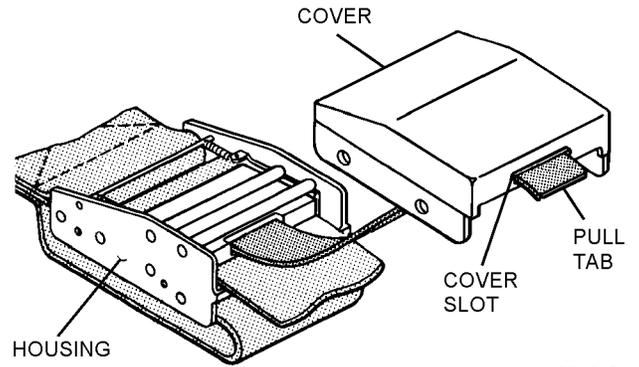
b. Remove four screws (two on each side) from cover of lapbelt adjuster assembly.



63-1044

Step 1b - Para 10-61

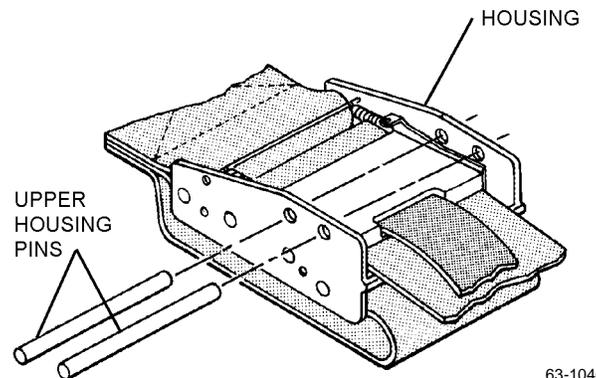
c. Remove cover from lapbelt adjuster housing, and slide pull tab through cover slot.



63-1045

Step 1c - Para 10-61

d. Slide upper housing pins out of housing.



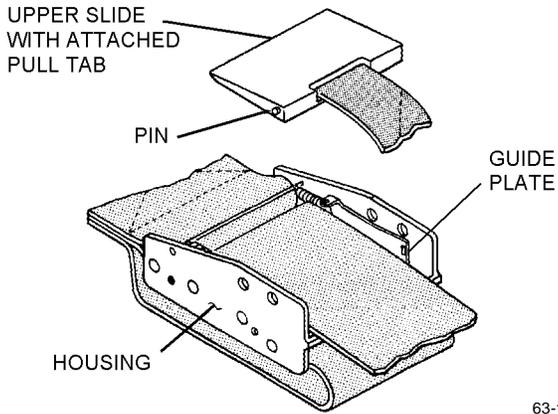
63-1046

Step 1d - Para 10-61

NOTE

Slides are held to guide plates by pins. Pull slide up so guide plates are above edge of housing, and rotate slide out of guide plates.

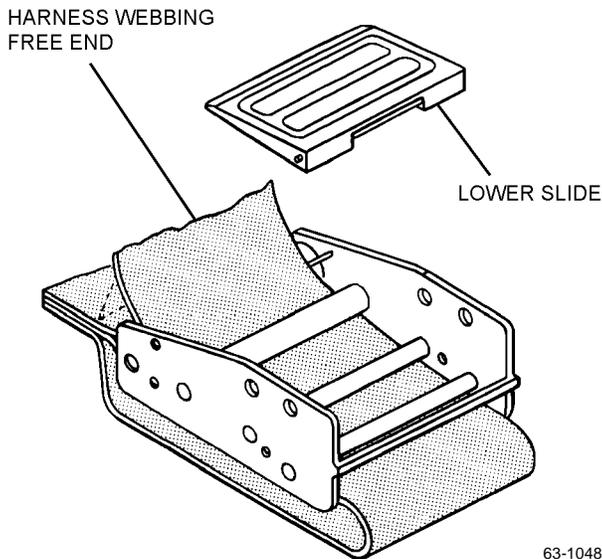
e. Remove upper slide with attached pull tab.



63-1047

Step 1e - Para 10-61

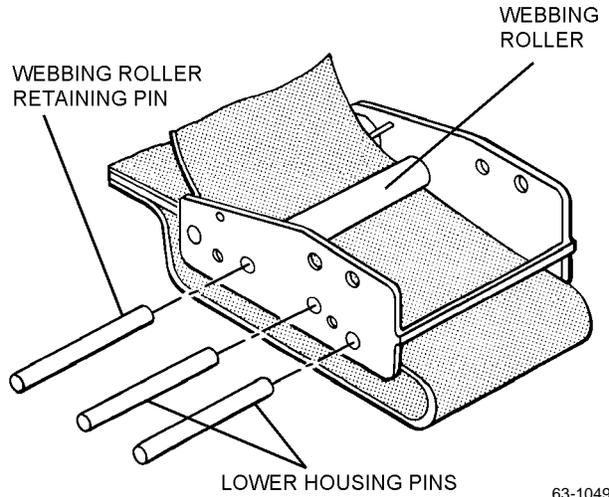
f. Lift free end of harness webbing, and remove lower slide.



63-1048

Step 1f - Para 10-61

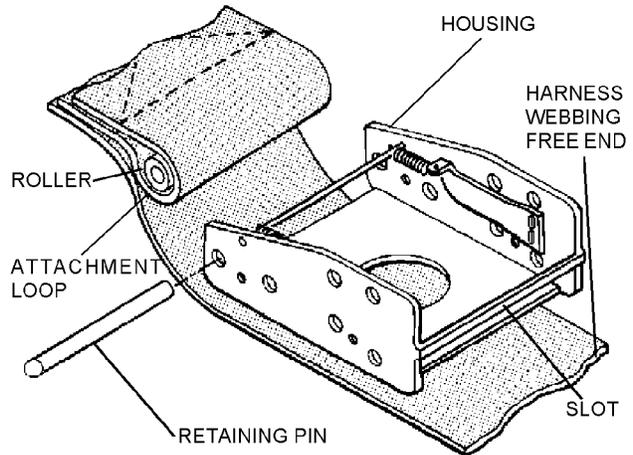
g. Position guide plates up and out of way. Remove two lower housing pins and webbing roller retaining pin. Webbing roller will fall away.



63-1049

Step 1g - Para 10-61

h. Pull free end of harness webbing through slot in housing. Remove pin retaining harness webbing attachment loop roller. Housing will fall away.



63-1050

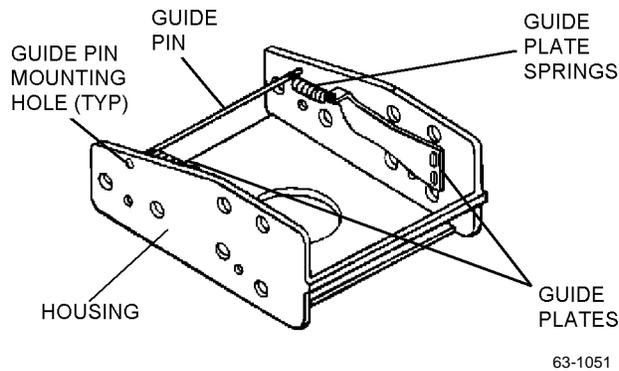
Step 1h - Para 10-61

2. Install new lapbelt adjuster as follows:

NOTE

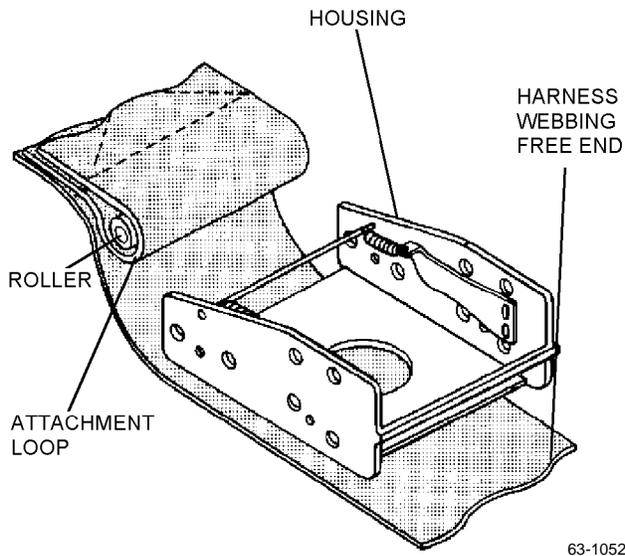
The six pins (two retaining and four housing) are interchangeable. The two rollers are interchangeable.

a. If required, slide guide plate springs onto guide pin; ensure guide plates are positioned correctly. Install assembly into adjuster housing guide pin mounting holes.



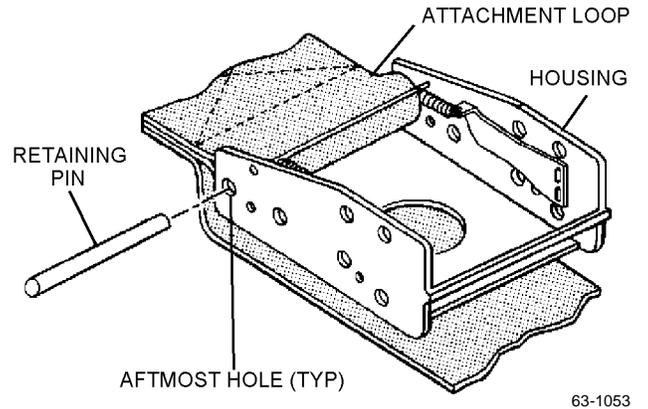
Step 2a - Para 10-61

b. Insert roller into attachment loop of harness webbing. Place adjuster housing on top of free end of harness webbing so that aft end of housing faces attachment loop.



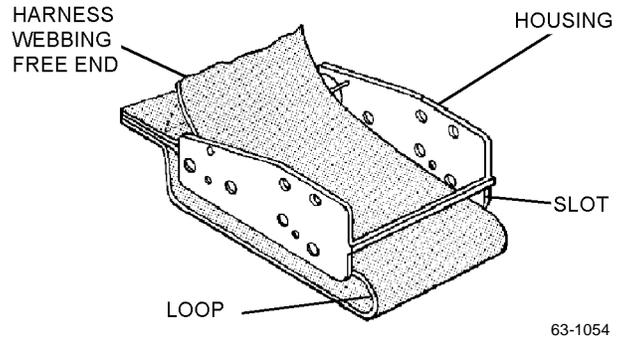
Step 2b - Para 10-61

c. Position housing onto attachment loop and roller. Align hole through roller with aftmost holes in housing, and install retaining pin.



Step 2c - Para 10-61

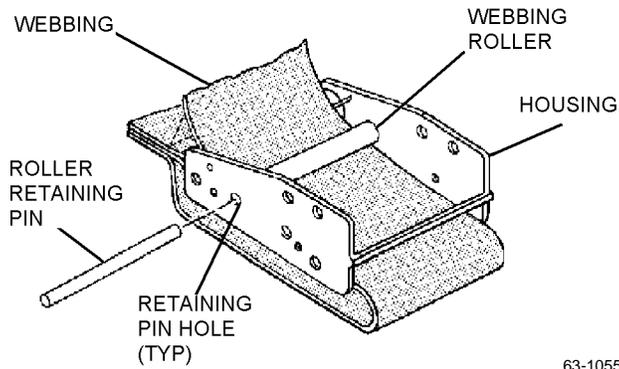
d. Fold free end of webbing back towards housing. Insert end through slot in housing to form loop in webbing forward of adjuster. Guide plates may be positioned up and back to avoid any interference.



Step 2d - Para 10-61

NAVAIR 13-1-6.3-1

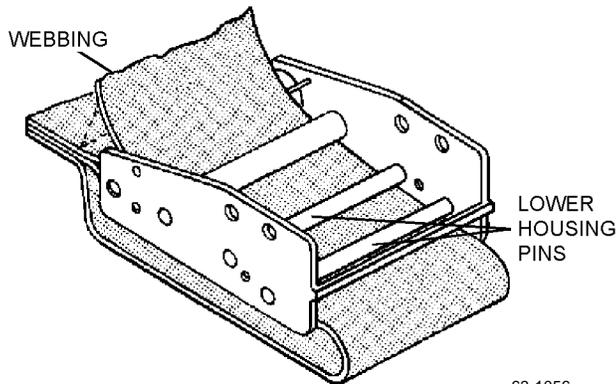
e. Install webbing roller into housing on top of webbing. Position roller to align with proper holes in housing, and insert roller retaining pin.



63-1055

Step 2e - Para 10-61

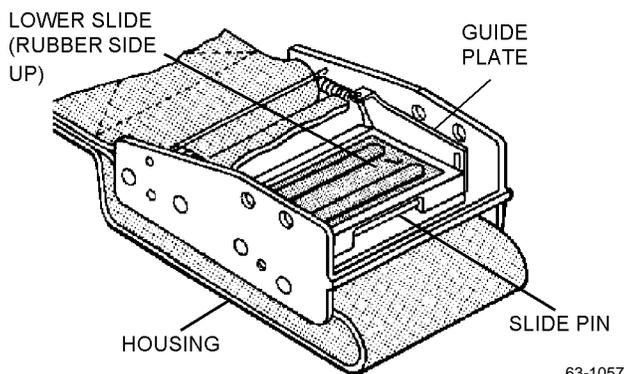
f. Insert lower housing pins; ensure pins are resting on top of webbing.



63-1056

Step 2f - Para 10-61

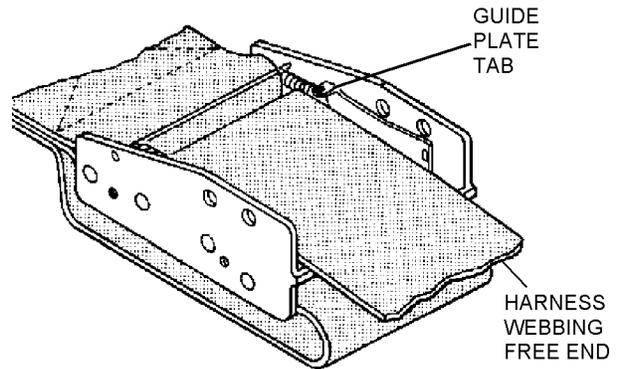
g. Position guide plates into housing on top of lower housing pins, and install lower slide rubber side up. Ensure slide pin is correctly positioned into lower slots of guide plates.



63-1057

Step 2g - Para 10-61

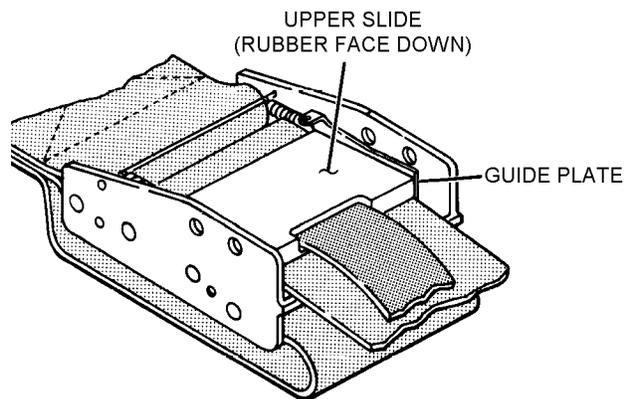
h. Position harness webbing free end under tabs of guide plates, and lay webbing down over lower slide.



63-1058

Step 2h - Para 10-61

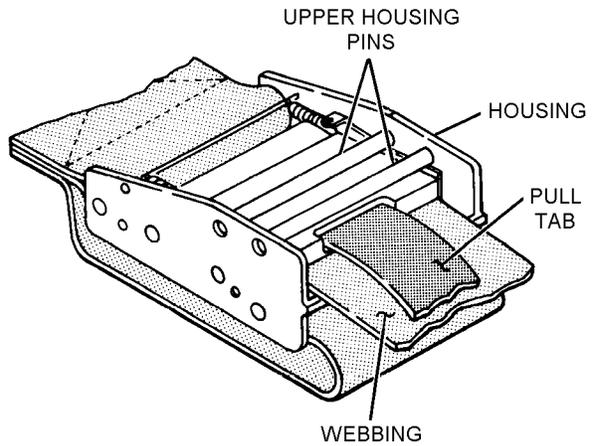
i. Install upper slide rubber face down, ensuring lower slide does not come out of place. Ensure slide pins sit securely in slots of guide plates.



63-1059

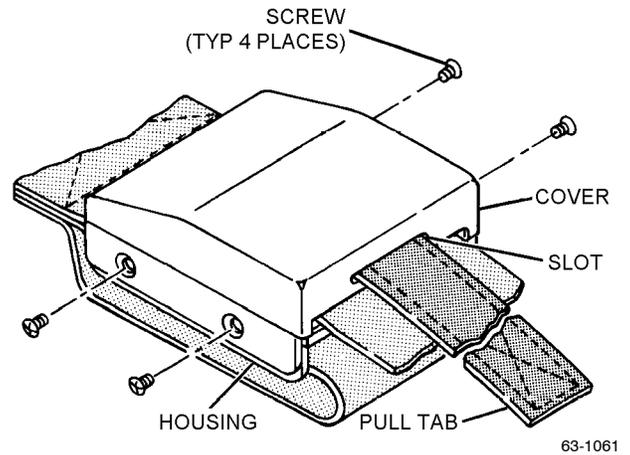
Step 2i - Para 10-61

j. Install upper housing pins. Ensure slides operate correctly; pull on pull tab to check simultaneous movement of slides. Webbing shall slide with ease through adjuster in either direction.



Step 2j - Para 10-61

k. Insert pull tab from inside out through slot in cover. Place cover on housing, and align four screw holes. Apply sealing compound to threads of four screws, and secure cover to housing.



Step 2k - Para 10-61

3. Apply sealing compound to threads of two shoulder screws, and install lapbelt release assembly removed in [step 1a](#).

4. Make necessary entries on appropriate form in accordance with OPNAVINST 4790.2 Series.

10-62. Deleted.

Pages 10-63 thru 10-66 - Deleted.

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10-63. ASSEMBLY.

NOTE

Tamper dots on the oxygen hose assembly shall be applied to the fittings in a manner which provides easy identification for inspection purposes when the seat kit is installed in the seat.

10-64. Assemble the RSSK-8 in the reverse order of disassembly using index numbers of [figure 10-19 through 10-29](#). Note and comply with applicable maintenance instructions in the IPB. When applying sealing compound to threaded parts, first clean any contaminants from the threads using clean cloth moistened with clean water. Apply sealing compound to 50% of the threads of applicable parts. Refer to [Appendix B](#) and ensure all nuts and fittings are properly torqued. The torque value for the inlet tubing connector on the oxygen hose assembly shall be 80 to 100 in-lb. The torque value for the outlet tubing connector on the oxygen hose assembly shall be 100 to 125 in-lb. After all nuts and fittings are properly torqued, apply tamper dots to all oxygen fittings shown in [figures 10-19 through 10-29](#). Use a torque of MIL-E-17178, Fed. Std. 595. Use any contrasting color when applying tamper dots to oxygen fittings.

WARNING

Before use, inspect leak detection compound. Compound which is not clear and

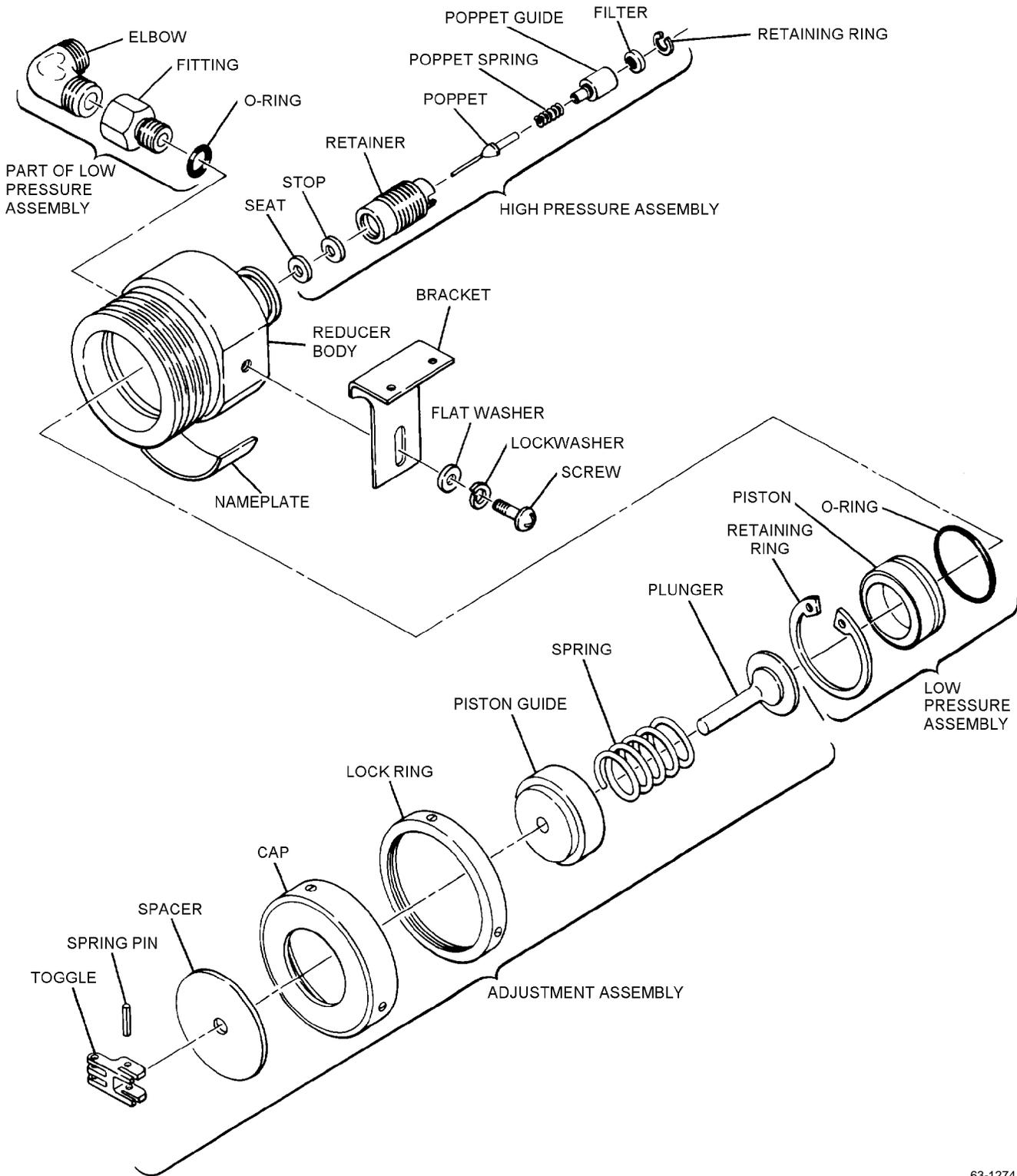
free from suspended material/sediment is considered contaminated and shall be disposed of. Compound exhibiting peculiar odors, such as acetone or alcohol, is considered contaminated and shall be disposed of.

10-65. ASSEMBLY OF PRESSURE REDUCER ASSEMBLY. (RSSK-8E ONLY).

The following procedures assemble the reducer assembly in three major operations: assembly of the high pressure assembly; assembly of low pressure assembly; assembly and preadjustment of the adjustment assembly. It is imperative that the following assembly sequence be followed if the entire reducer assembly has been disassembled. See [figure 10-11](#), and proceed as follows:

Materials Required

| Quantity | Description | Reference Number |
|-------------|-------------------------|---------------------------------|
| 1 | Krytox 240AZ | MIL-G-27617 NIIN 01-007-4384 |
| As Required | Tape, Antiseize | MIL-T-27730 |
| As Required | Thread Locking Compound | VC-3 (CAGE 04866) |
| As Required | Plastic Bag | MIL-B-117 |
| 1 | Spring Pin | MS171435 |
| 2 | O-ring | MS28778-2 |
| 1 | O-ring | MS28775-117 |



63-1274

Figure 10-11. Reducer Assembly (RSSK-8E)

Support Equipment Required

| Quantity | Description | Reference Number |
|----------|------------------------------------------|---------------------------------------------|
| 1 | Vise | — |
| 1 | Pressure Reducer Tool Set (figure 10-12) | T216D900-1 (CAGE 30941) NIIN 01-100-8928 |
| 1 | Retaining Ring Pliers | S0100 (CAGE 79136) |
| 1 | Retaining Ring Pliers | SL0100 (CAGE 79136) |
| 1 | Torque Wrench 0-150 lb-in | TE-6FUA (CAGE 55729) or Equivalent |
| 1 | Toggle Reset Tool | Fabricate IAW paragraph 10-74 |

WARNING

Do not use oil or any material containing oil in conjunction with oxygen equipment. Oil, even in a minute quantity, coming in contact with oxygen can cause explosion or fire. Dust, lint, and fine metal particles are also dangerous.

NOTE

Maintenance personnel are cautioned to read and thoroughly understand each step prior to attempting any maintenance action.

Discard and replace all packings, seals, cotter pins, and teflon sealing tape removed during disassembly of emergency oxygen system.

All complete assemblies not immediately being returned to service shall be sealed in plastic bags with all external fittings properly capped.

1. Assemble high pressure assembly as follows:

NOTE

If the entire reducer assembly has not been disassembled it is necessary to remove the adjustment assembly and low pressure assembly to correctly perform the following assembly procedures.

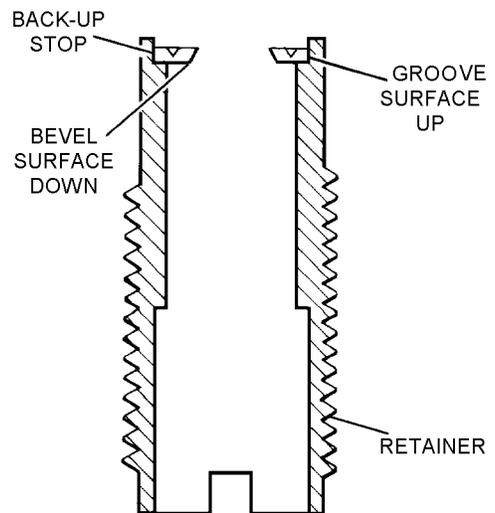
a. Ensure that the adjustment assembly has been removed in accordance with paragraph 10-49.

b. Ensure that the low pressure assembly has been removed in accordance with paragraph 10-49.

c. Ensure that all oxygen components to be assembled have been properly cleaned in accordance with NAVAIR 13-1-6.4-1.

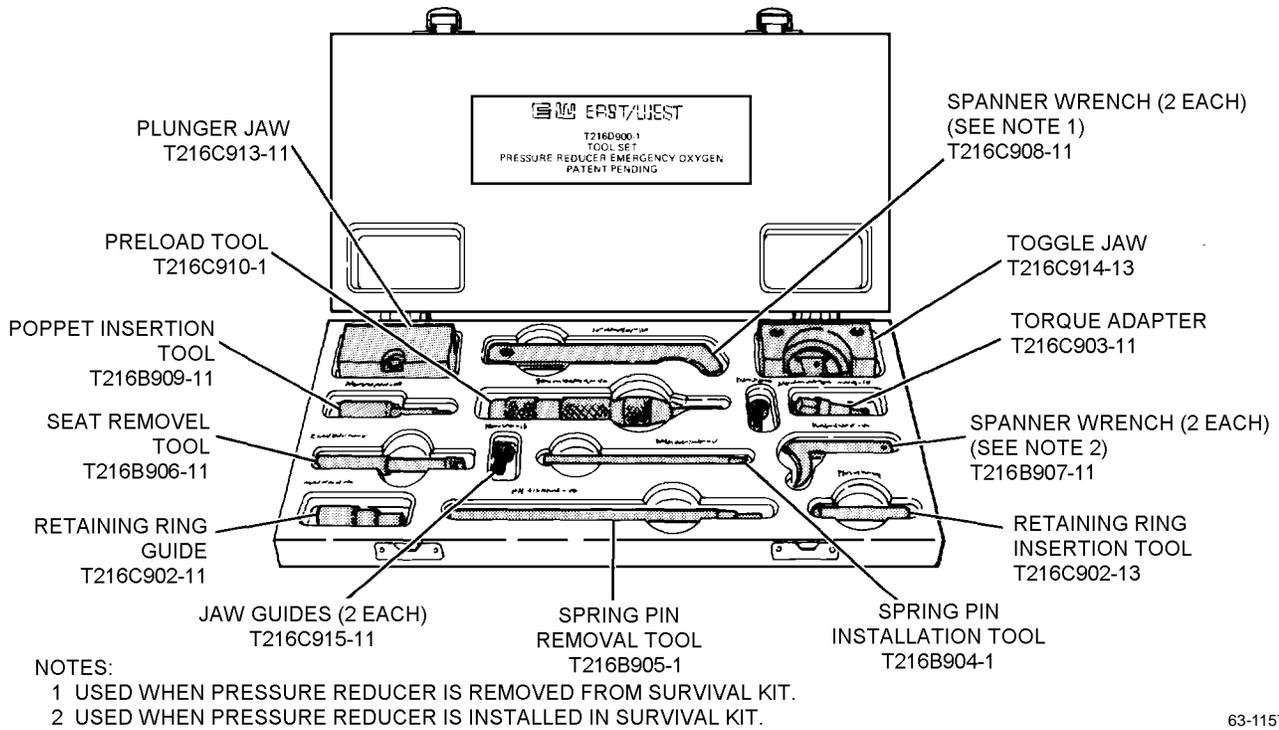
d. Position retainer with threaded side down.

e. Install backup stop in upper groove of retainer, positioning bevel surface down and groove surface up.



63-1172

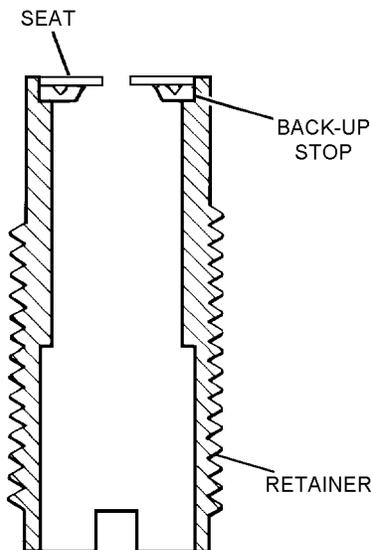
Step 1e - Para 10-65



63-1157

Figure 10-12. Emergency Oxygen Pressure Reducer Tool Set

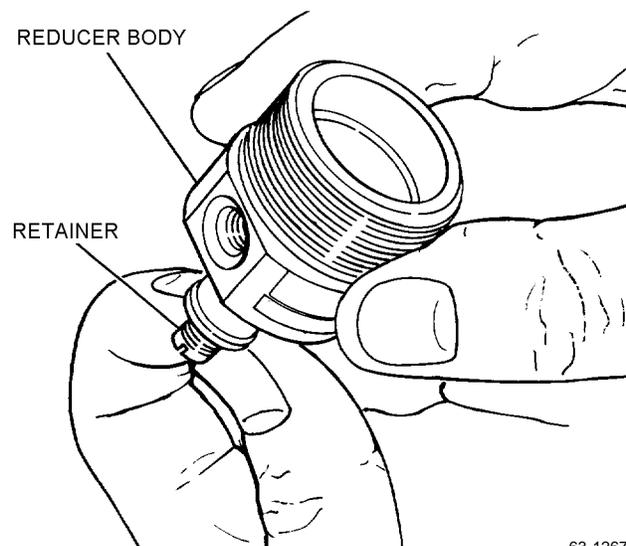
f. Place seat on top of backup stop ensuring proper alignment within retainer groove. Push firmly on seat with finger so that seat is retained in place.



63-1173

Step 1f - Para 10-65

g. While holding retainer in an upright position with backup stop and seat positioned on top, lower reducer body onto retainer and slowly screw retainer into high pressure inlet port of reducer body.



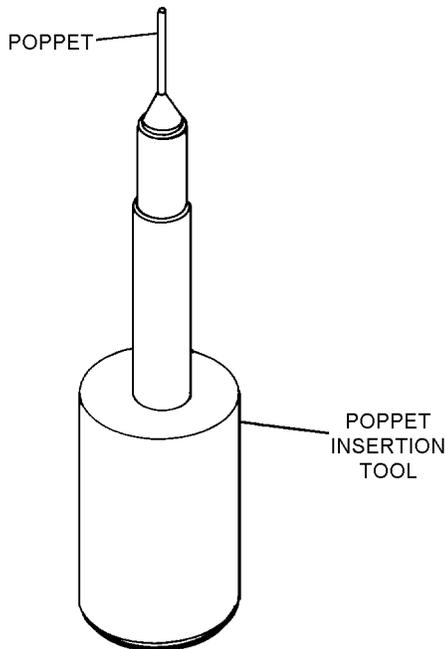
63-1267

Step 1g - Para 10-65

h. Using torque adapter mounted on a 3/8-inch nut driver, continue screwing retainer into high pressure port until snug. Visually inspect for proper alignment of backup stop and seat into reducer body.

i. Torque retainer into reducer body to 32 to 35 in-lb, using retainer torque adapter and torque wrench.

j. Using poppet insertion tool, place poppet into tool so that cone-shaped part of poppet faces away from heavy end of tool.



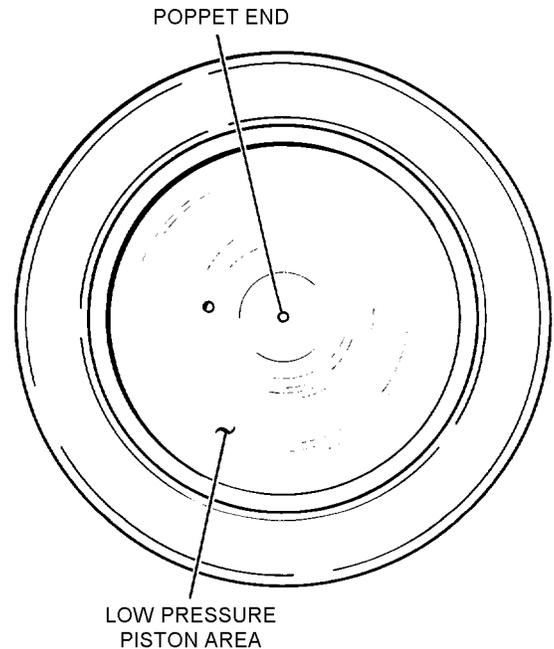
63-1175

Step 1j - Para 10-65



Be careful when inserting poppet that no pressure is applied which could bend poppet shaft. Be certain end of poppet extends into low pressure piston area.

k. Hold reducer body/housing with high pressure retainer side down. Slowly lower reducer housing onto poppet. Carefully rock and turn poppet insertion tool until poppet end is seen to extend into low pressure piston area.

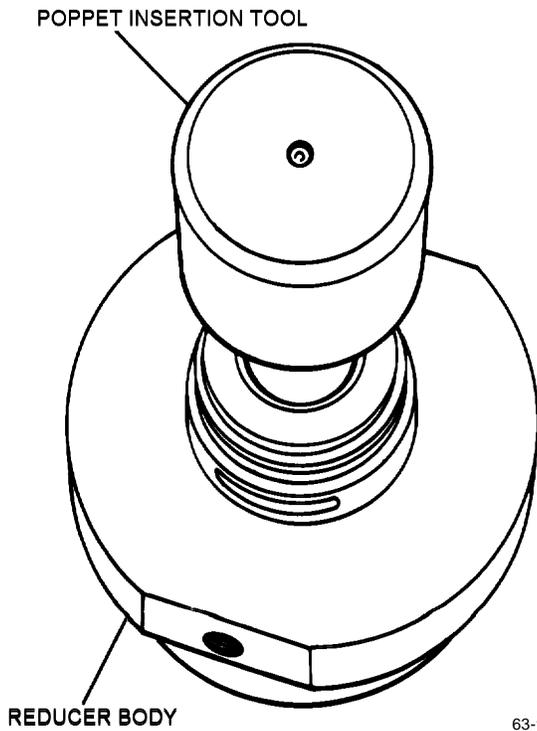


63-1268

Step 1k - Para 10-65

NAVAIR 13-1-6.3-1

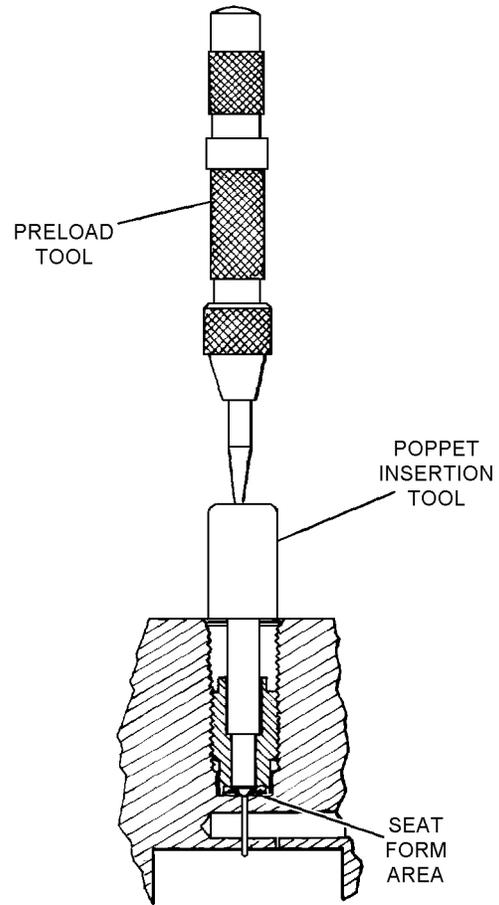
l. Leaving poppet insertion tool inserted, turn entire assembly over so that high pressure or retainer assembly and poppet insertion tool are now facing up.



Step 1l - Para 10-65

63-1269

m. Place preload tool into dimple on top of poppet insertion tool. Press down once on preload tool until it unloads with a snap. This forms seat into its correct angle.

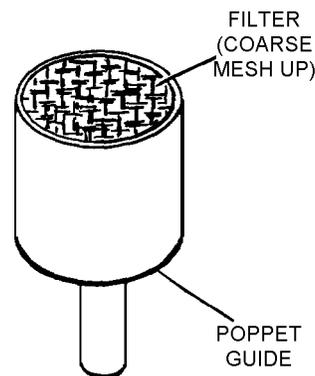


63-1178

Step 1m - Para 10-65

n. Remove poppet insertion tool so that poppet remains repositioned inside reducer body against seat.

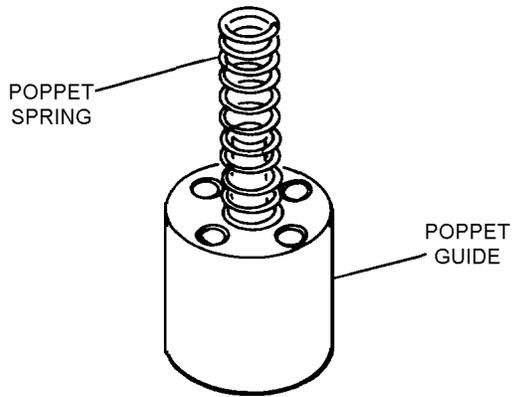
o. Press filter with coarse mesh up into wide end of poppet guide.



63-1179

Step 1o - Para 10-65

p. Secure poppet spring to poppet guide by pressing spring onto shaft end of guide.

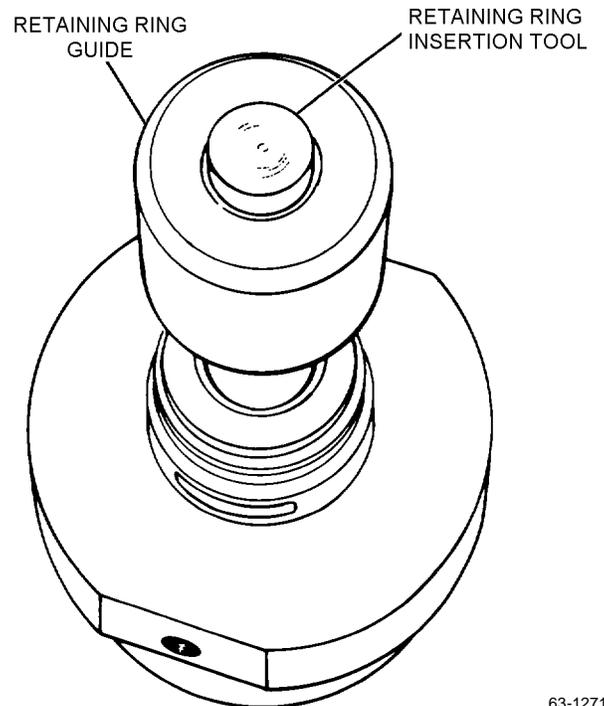


63-1180

Step 1p - Para 10-65

r. Insert poppet guide and spring with spring end down into opening in retaining ring guide.

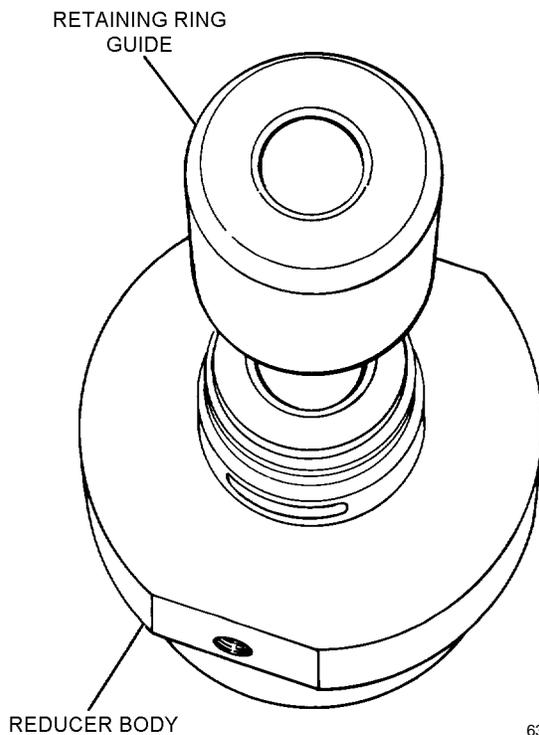
s. Using retaining ring insertion tool, ensure that poppet guide and spring are properly positioned inside retainer.



63-1271

Step 1s - Para 10-65

q. Position retaining ring guide into retainer so that the tool engages tangs of retainer.



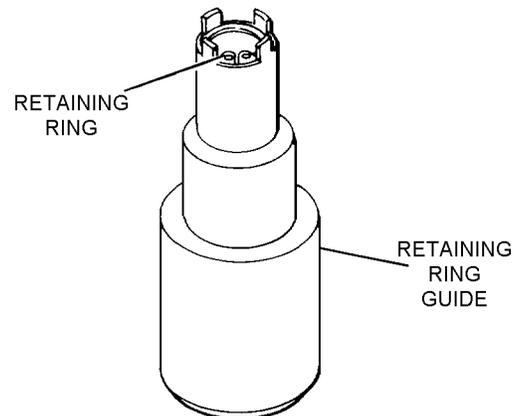
63-1270

Step 1q - Para 10-65

t. Remove retaining ring insertion tool and retaining ring guide from reducer housing.

u. Visually check that filter end of poppet guide is slightly higher than ends of retainer.

v. Using retaining ring pliers, install retaining ring inside tangs of retaining ring guide.



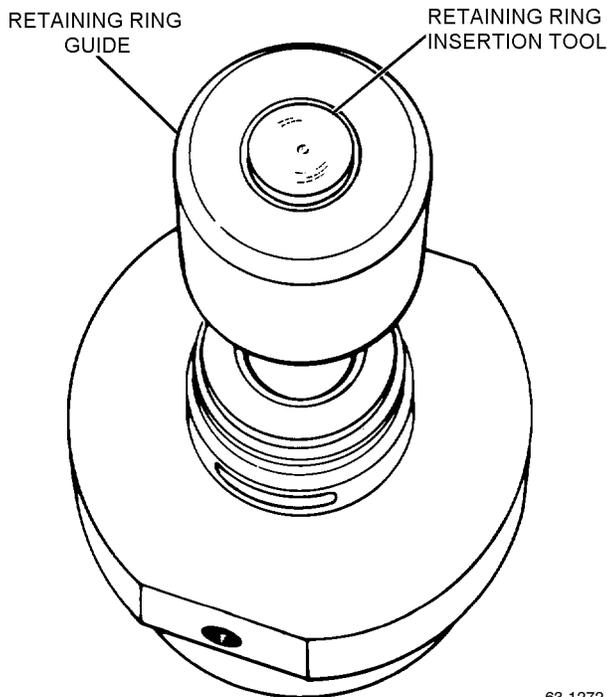
63-1183

Step 1v - Para 10-65

NAVAIR 13-1-6.3-1

w. Insert retaining ring guide into tangs of retainer. Insert retaining ring insertion tool into retaining ring guide.

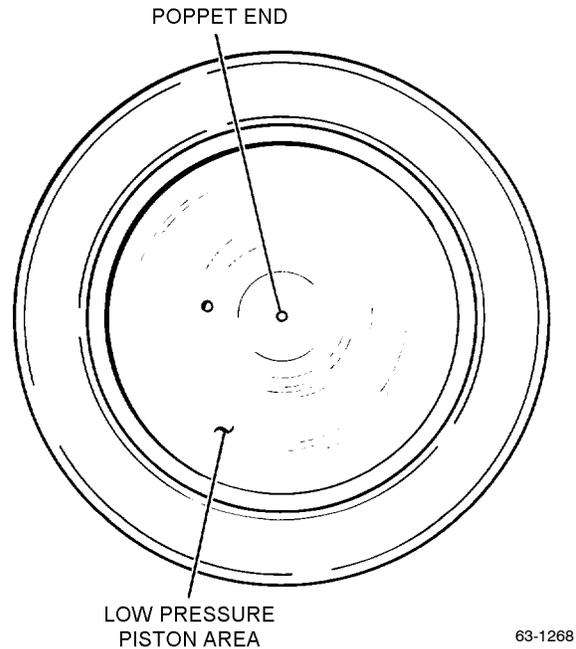
x. Compress poppet spring and seat retaining ring by pressing down on retaining ring insertion tool until flush with top of retaining ring guide.



Step 1x - Para 10-65

y. Remove retaining ring guide and insertion tool. Ensure retaining ring is properly seated in groove.

z. Verify that tip of poppet extends into lower pressure piston area.



Step 1z - Para 10-65

2. Assemble low pressure assembly as follows:

a. Ensure that high pressure assembly is properly assembled in accordance with [step 1](#).

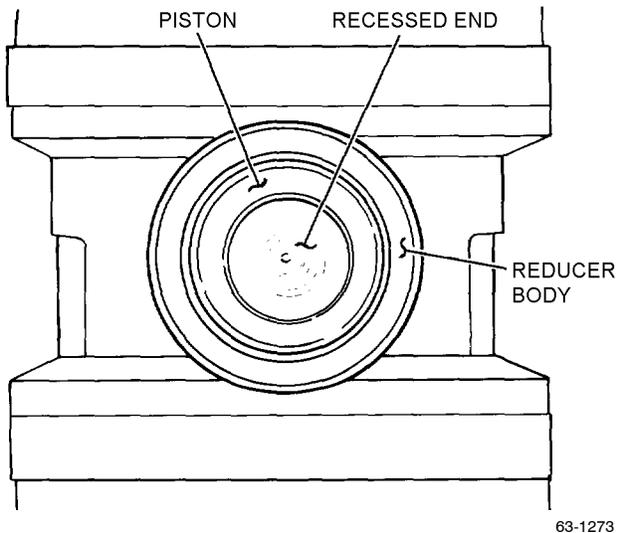
b. Ensure that all oxygen components to be assembled have been properly cleaned in accordance with NAVAIR 13-1-6.4-1. ■

c. Position oxygen pressure reducer assembly with adjustment side or low pressure side up and secure.

d. Lubricate new O-ring and mating surfaces with Krytox 240AZ. Install O-ring on piston.

e. Lubricate bore of reducer body with Krytox 240AZ.

f. Install piston, recessed end out, in bore of reducer body.



Step 2f - Para 10-65

g. Install retaining ring, using retaining ring pliers (SL0100).

h. Lubricate new O-ring and mating surfaces with Krytox 240AZ. Install O-ring on fitting and install fitting into reducer body.

i. Apply antiseize tape to threads of elbow and install.

3. Assemble and preadjust adjustment assembly. To assemble and preadjust adjustment assembly, proceed as follows:

a. Ensure that high pressure and low pressure assemblies have been properly assembled in accordance with [steps 1 and 2](#).

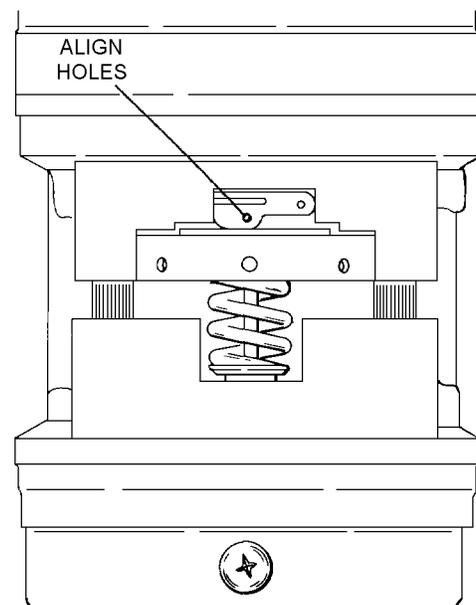
b. Ensure that all oxygen components to be assembled have been properly cleaned in accordance with [NAVAIR 13-1-6.4-1](#).

c. Using appropriate Allen key, screw jaw guides into two threaded holes in toggle jaw.

d. Place toggle and plunger jaws in vise.

e. Assemble adjustment assembly components in proper sequence ([figure 10-11](#)). Position components in toggle and plunger jaws.

f. Apply vise pressure to compress spring. Align hole in toggle with hole in plunger end.



Step 3f - Para 10-65

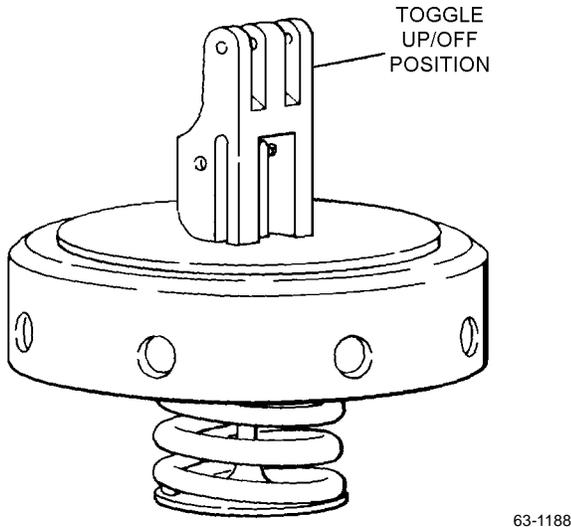
g. With hole in toggle and hole in plunger aligned, insert new spring pin using spring pin installation tool. Insert spring pin into toggle hole as far as tool will permit. Remove tool and gently drive remainder of spring pin into toggle, using drift pin.

h. Slowly open vise jaws and ensure that assembly is properly secured.

i. Remove adjustment assembly from toggle and plunger jaws.

NAVAIR 13-1-6.3-1

j. Using toggle reset tool, rotate toggle to up-right (OFF) position.



Step 3j - Para 10-65

k. Position reducer assembly with cap adjustment side up.

l. Install lock ring onto reducer body.

NOTE

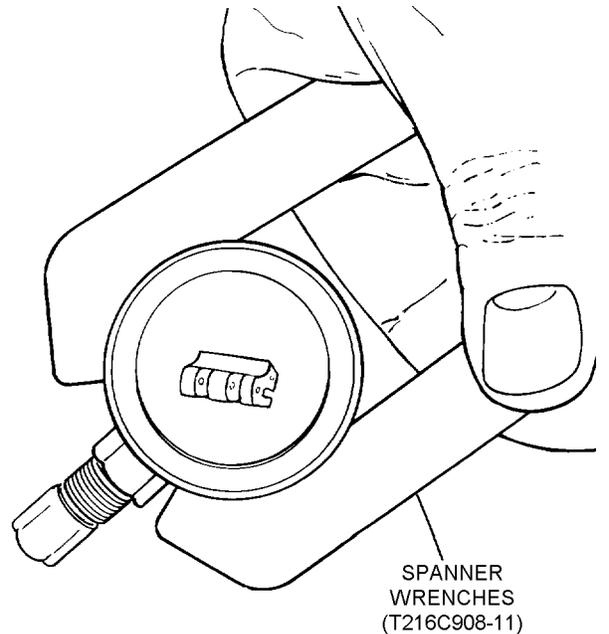
Ensure lock ring does not contact adjustment assembly during installation.

m. Install adjustment assembly onto reducer body by engaging screw threads and rotating clockwise to its lowest position.

n. Back off adjusting cap two complete turns for preadjustment.

o. Turn lock ring counterclockwise until snug with adjusting cap.

p. Place one spanner wrench (T216C908-11) in lock ring and second spanner wrench on adjusting cap and secure.



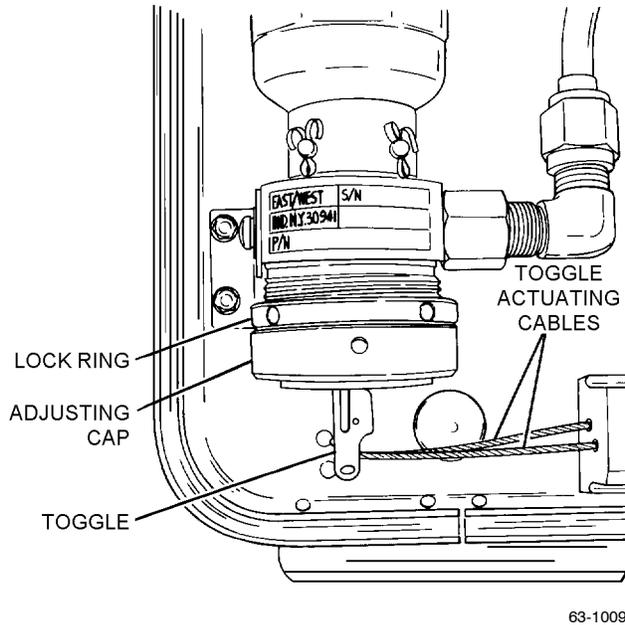
Step 3p - Para 10-65

10-66. ADJUSTMENT.

10-67. All adjustable components or assemblies that failed respective tests shall be adjusted to meet required specifications.

10-68. (RSSK-8E ONLY) ADJUSTMENT OF THE PRESSURE REDUCER ASSEMBLY. To adjust the outlet pressures and flow rates of the reducer assembly, proceed as follows:

1. Loosen lock ring ([figure 10-13](#)).
2. Turn adjusting cap counterclockwise to decrease pressure, clockwise to increase pressure.
3. Tighten lock ring.
4. Perform functional check on kit in accordance with [paragraph 10-41](#).



63-1009

Figure 10-13. (RSSK-8E Only) Adjustable Pressure Reducer

10-69. ADJUSTMENT OF LOCK ASSEMBLIES.

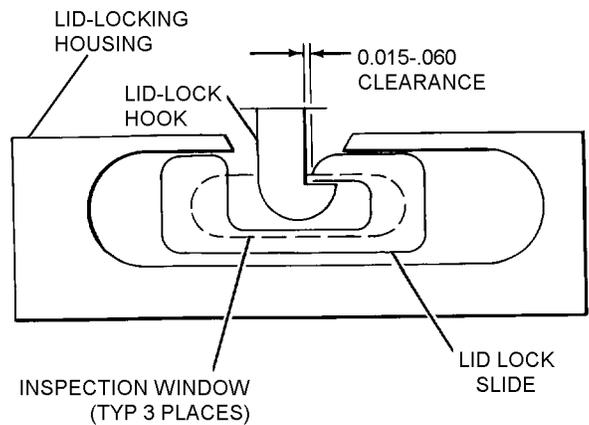
If locks fail to release simultaneously, adjust (advance or retard) as follows:

Materials Required

| Quantity | Description | Reference Number |
|-------------|------------------------|------------------|
| As Required | Lacquer, Fed. Std. 595 | MIL-L-7178 |

1. Close RSSK-8. Ensure upper and lower containers are properly mated and release handle is locked in down position.

2. Visually check for full lid latch engagement with lid lock slides by observing through inspection slots in lower container.



63-1010

Step 2 - Para 10-69

NOTE

If lock slide adjustment is necessary, perform [steps 6a through 6c](#).

3. Slowly pull the release handle and check for simultaneous disengagement of lid latches from lock slides.

4. Remove release handle from multi-release assembly and lift upper container off lower container.

5. Visually inspect lock assemblies for full retraction of lid lock slides.

NOTE

If lock slide adjustment is necessary, perform [steps 6a through 6c](#).

6. Adjust the lock slide engagement as follows:

a. To decrease lock slide engagement, loosen the locknut at the lock assembly and back the adjusting nut away from the lock assembly the desired amount.

b. To increase lock slide engagement, loosen the locknut at the lock assembly and turn the adjusting nut towards the lock assembly.

c. When desired engagement and/or timing is achieved, tighten locknut against adjusting nut.

NAVAIR 13-1-6.3-1

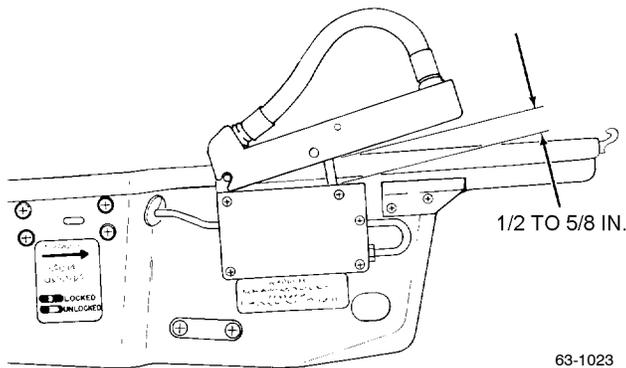
7. Insert two foam rubber blocks or a folded LR-1 liferaft with survival equipment into lower container.

NOTE

Foam rubber blocks shall be of sufficient height to exert outward pressure when squeezed, thus ensuring that the RSSK-8 upper and lower containers separate on release handle actuation.

8. Repeat [steps 1](#) and [2](#).

9. Slowly pull the release handle to a point where simultaneous disengagement of lid latches from lock slides is achieved. Stop further travel of release handle at this point. Using a scale, measure the separation of handle to multi-release housing along the geometric centerline of the actuator link. All lid latches shall disengage, and upper and lower containers shall separate when release handle separation is 1/2 to 5/8 inch.

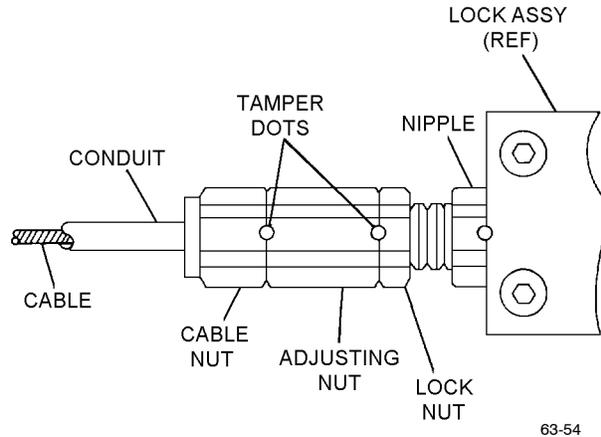


Step 9 - Para 10-69

10. If lock slide adjustment is necessary, perform [steps 6a](#) through [6c](#).

11. Open the RSSK-8. Ensure all release system hardware is properly tightened.

12. Apply tamper dots on locknuts and adjusting nuts. Use any contrasting color when applying tamper dots to locknuts and adjusting nuts.



Step 12 - Para 10-69

13. Apply clear tape around adjusting nuts and locknuts, ensuring tamper dots are covered.

14. Apply clear tape to inspection slots of lower container.

10-70. ADJUSTMENT OF OXYGEN RELIEF VALVE PRESSURE. To adjust the oxygen relief valve, proceed as follows:

1. Perform functional check in accordance with [paragraph 10-41](#).

2. If relief valve does not unseat between 120 to 140 psi, reduce pressure to zero and remove relief valve.

3. Loosen hex locknut ([figure 10-14](#)) using the relief valve adjustment tool ([paragraph 10-76](#)).

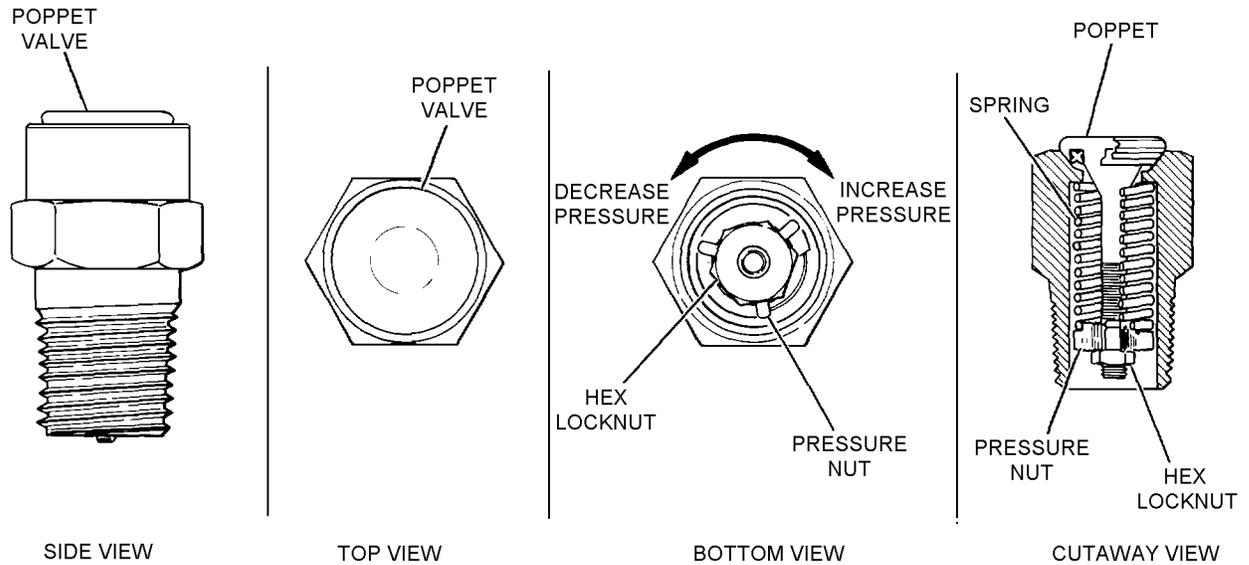
NOTE

Turn in incremental adjustments of $1/2 \pm 1/4$.

4. Adjust valve unseating pressure by turning the three prong pressure nut, clockwise to increase relief valve pressure and counterclockwise to decrease.

5. Tighten hex lock nut.

6. Install relief valve and recheck pressures.

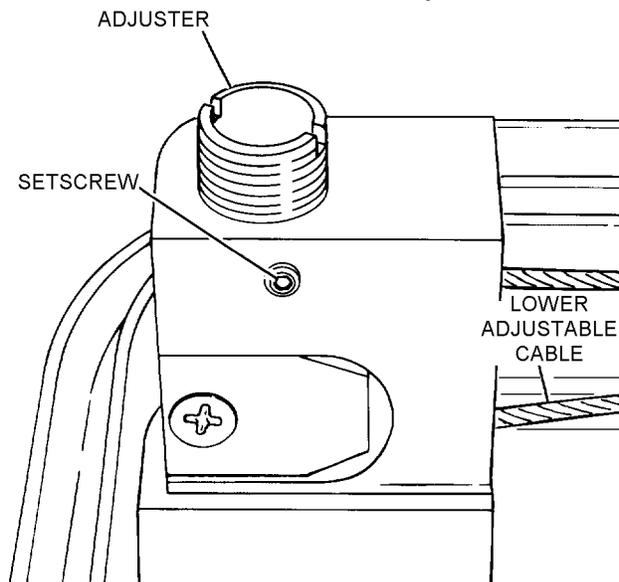


63-648

Figure 10-14. Adjustable Relief Valve (Typical)

10-71. ADJUSTMENT OF EMERGENCY OXYGEN ACTUATOR CABLE. To adjust the lower actuating cable, proceed as follows:

1. Loosen setscrew to unlock adjuster.



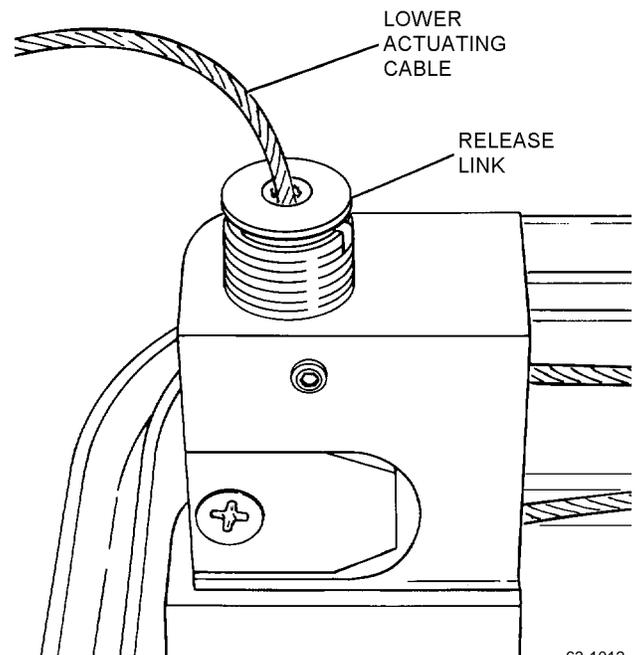
63-1011

Step 1 - Para 10-71

2. Position adjuster within housing so that minimum slack exists in cable.

3. Check toggle to pressure reducer and ensure that it is not under cable tension (figure 10-13).

4. Check and ensure that the lower actuating release links are coupled and positioned within the adjuster.



63-1012

Step 4 - Para 10-71

NAVAIR 13-1-6.3-1

5. Tighten setscrew to lock adjuster.
6. Operate emergency actuator to ensure proper adjustment.

WARNING

Ensure that toggle arm is placed upright (not canted, turned, or overcocked) and

positioned such that it will trip directly towards oxygen release assembly.

Ensure cables and cable balls are not wrapped around reducer toggle and jammed against the inside of the kit lid.

Section 10-7. Fabrication

10-72. GENERAL.

10-73. This section contains instructions for fabrication of tools and components that can be manufactured by local maintenance activities.

10-74. TOGGLE RESET TOOL. To fabricate toggle reset tool, proceed as follows:

1. Modify a standard slot screwdriver in accordance with [figure 10-15](#).

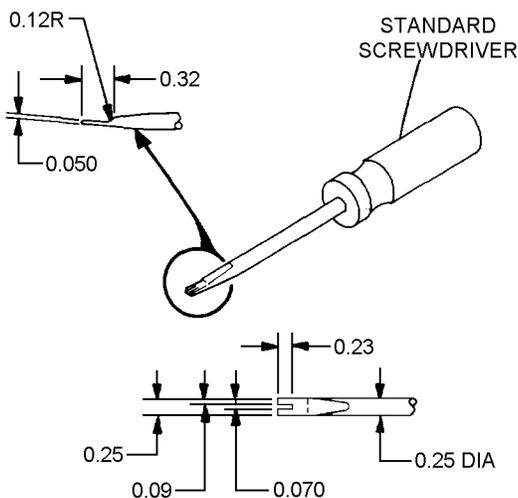


Figure 10-15. Toggle Reset Tool

10-75. DROPLINE. To fabricate a dropline, proceed as follows:

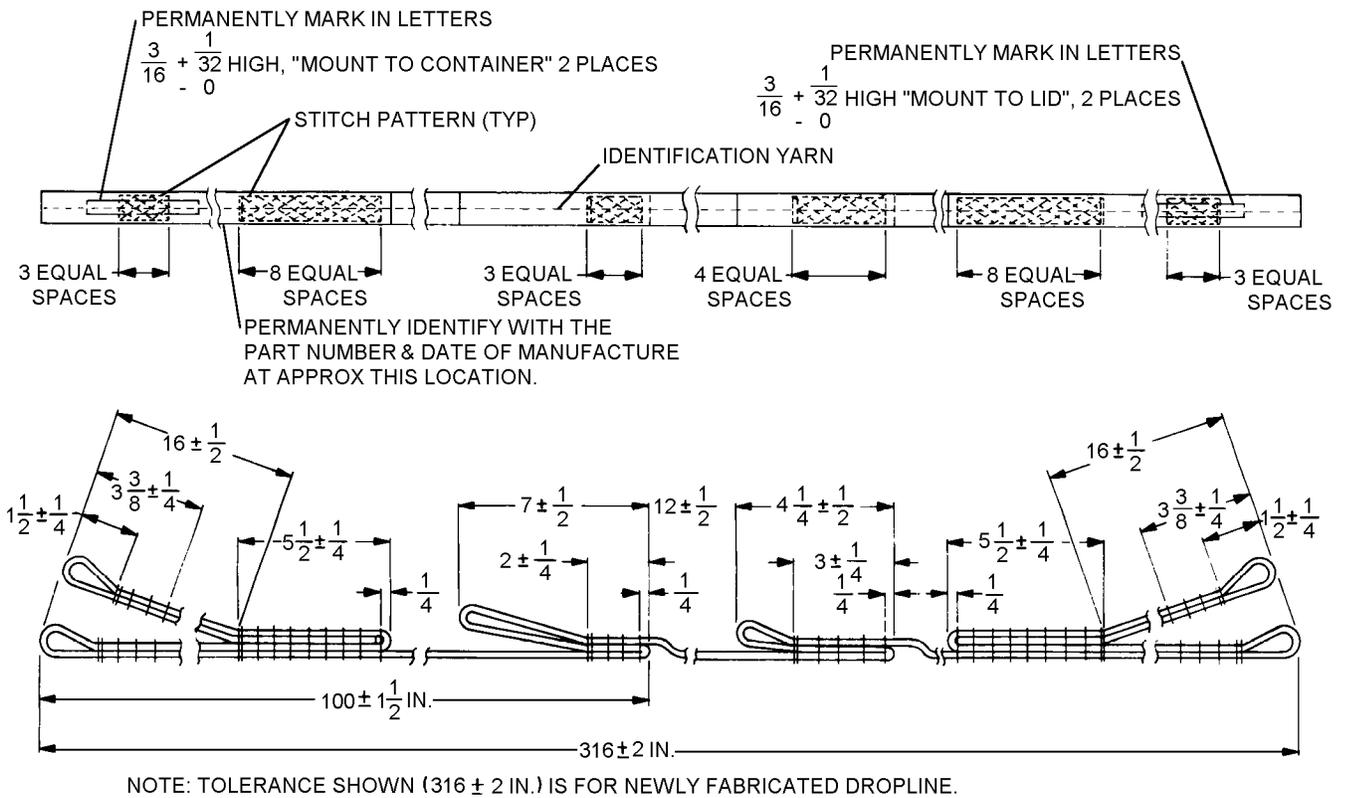
Materials Required

| Quantity | Description | Reference Number |
|-------------|-------------------------------------------------------|--------------------------------|
| As Required | Webbing, 3/4-Inch, Yellow | MIL-W-5625 NIIN 00-753-6531 |
| As Required | Thread, Nylon, Type I, Class A, Size FF, Color: White | V-T-295 NIIN 00-267-3024 |

1. Lay out webbing and position identification yarn on top before proceeding.

2. Construct a dropline in accordance with [figure 10-16](#).

3. Sear exposed ends of webbing.



63-228

Figure 10-16. Dropline

4. All stitching shall be Type 301, ASTM-D-6193, 8 to 10 stitches per inch, and backstitch 1/2-inch minimum.

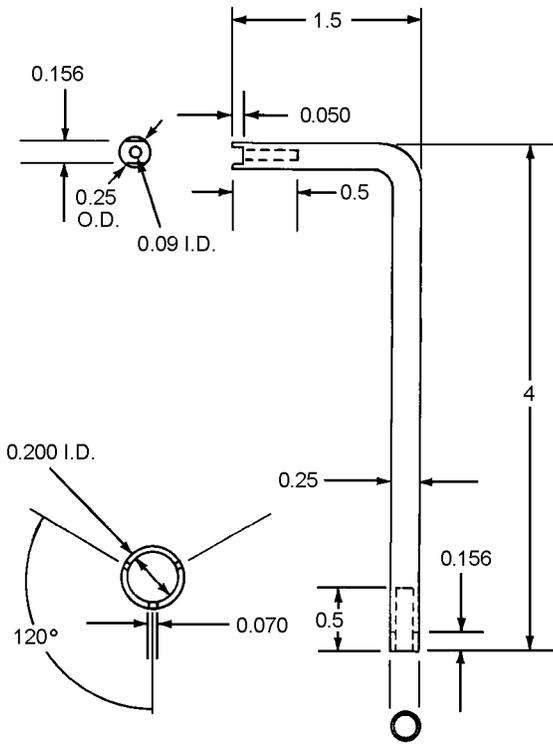
10-76. RELIEF VALVE ADJUSTMENT TOOL. To fabricate a relief valve adjustment tool, proceed as follows:

Materials Required

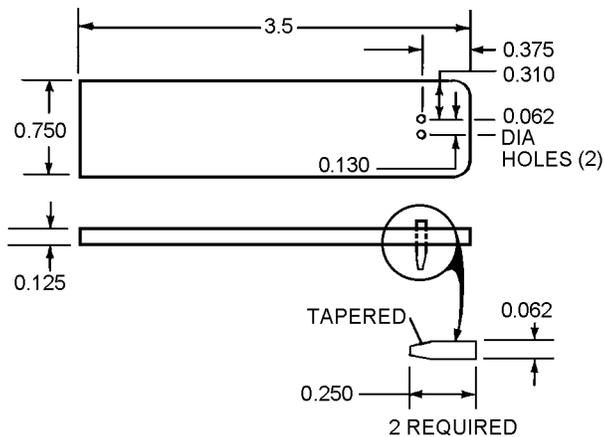
| Quantity | Description | Reference Number |
|-------------|------------------------------|------------------|
| As Required | Mild Steel or Brass 0.25 Dia | — |

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1. Fabricate relief valve adjustment tool from mild steel or brass as shown.



THREE PRONG PRESSURE NUT ADJUSTABLE TYPE



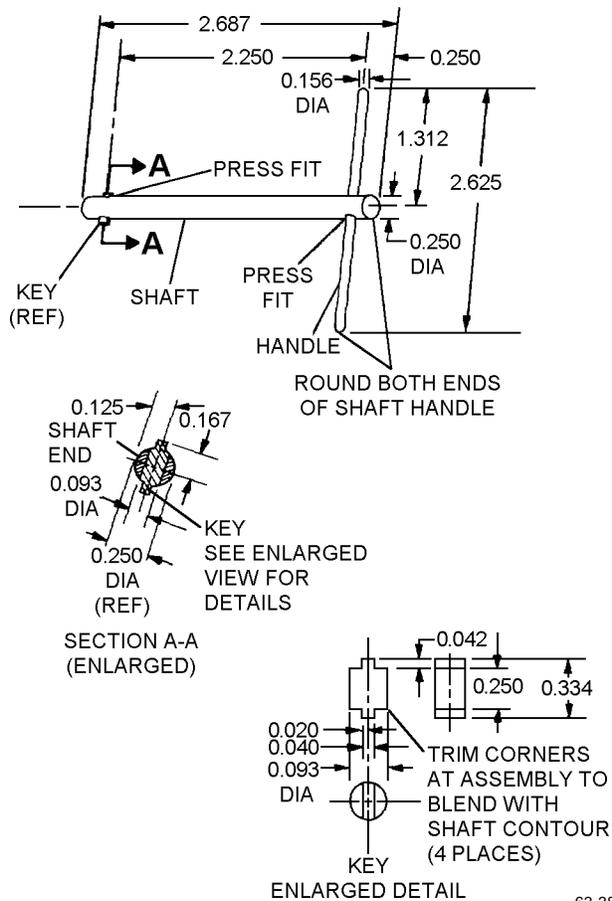
CAP ADJUSTABLE TYPE

63-3053

Step 1 - Para 10-76

10-77. T-WRENCH. To fabricate a T-wrench, proceed as follows:

1. Fabricate wrench from steel as shown.



63-388

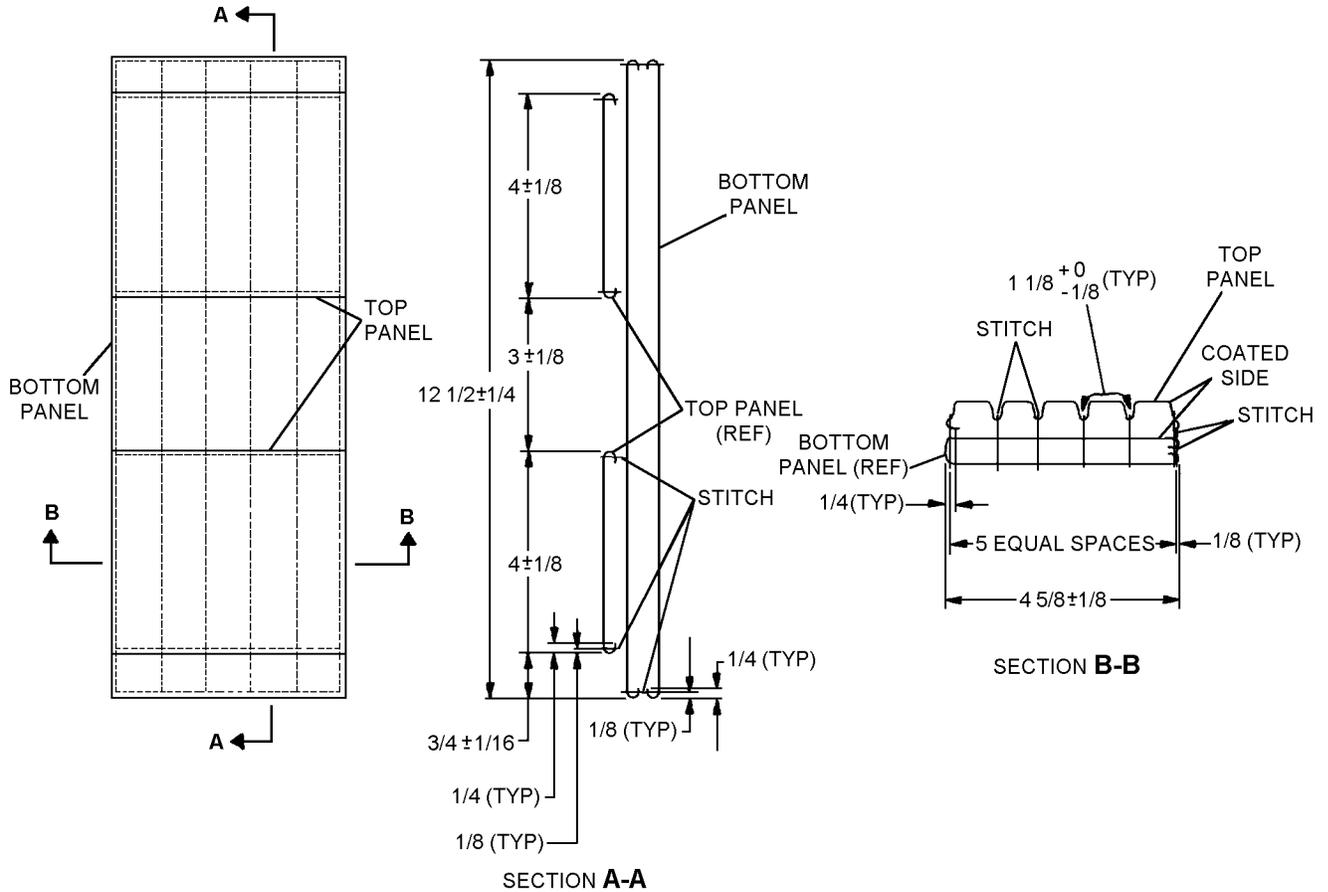
Step 1 - Para 10-77

10-78. BOOT. To fabricate a boot, proceed as follows:

Materials Required

| Quantity | Description | Reference Number |
|-------------|----------------------------------------------------------------|---------------------------------|
| As Required | Cloth, Nylon | MIL-C-8135 or MIL-C-81395 |
| As Required | Thread, Nylon, Type I, Class A, Size FF, Color: White | V-T-295 NIIN 00-267-3024 |

1. Construct a boot in accordance with [figure 10-17](#).



63-230

Figure 10-17. Boot

2. Sear exposed ends of nylon and avoid sharp edges.

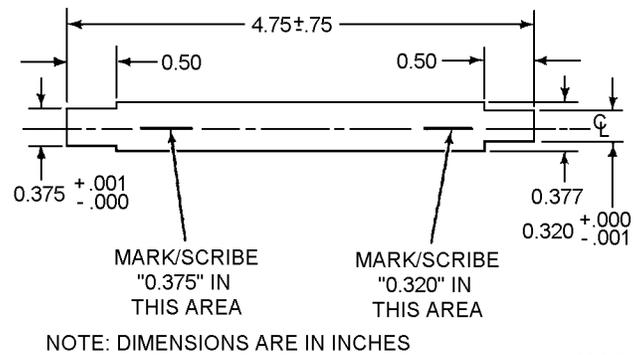
3. All stitching shall be Type 301, ASTM-D-6193, 8 to 10 stitches per inches, and backstitch 1/2 inch minimum.

1. Turn down one end of rod $0.375 +0.001, -0.000$ inch diameter for 0.50-inch length. Mark/Scribe 0.375 on unworked rod surface adjacent to turn down (figure 10-18).

10-79. GUIDE BRACKET GAUGE. To fabricate a guide bracket gauge, proceed as follows:

Materials Required

| Quantity | Description | Reference Number |
|-------------|------------------------------------------------------------------------|------------------|
| As Required | Drill or Steel Rod (.377-inch dia or greater) (4.75 ± .75 inch length) | — |



63-917

Figure 10-18. Guide Bracket Gauge

NAVAIR 13-1-6.3-1

2. Turn down opposite end of rod to 0.320 +0.000, -0.001 inch diameter for 0.50-inch length. Mark/Scribe 0.320 on unworked rod surface adjacent to turn down.

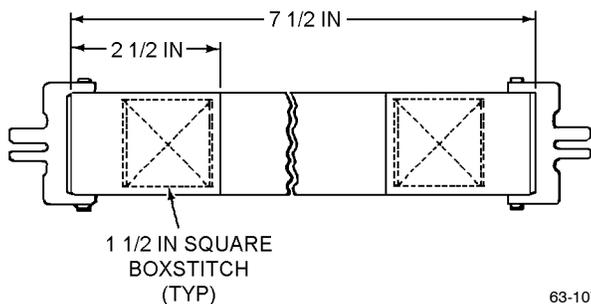
10-80. BRAKE RIDER'S STRAP. To fabricate a brake rider's strap, proceed as follows:

| Materials Required | | |
|--------------------|-------------------------------------------------|--------------------------------|
| Quantity | Description | Reference Number |
| 2 | Release Assembly Lapbelt Fitting | 015-11366-1 (CAGE 99449) |
| 24 Inches | Webbing, Nylon, Type XXVII, 1 23/32 inches wide | MIL-W-4088 NIIN 00-530-1489 |
| As Required | Thread, Nylon, Type II, Class A, Size 6 | V-T-295 NIIN 00-559-5211 |

1. Cut a piece of nylon webbing 24 inches in length.

2. Sear exposed ends of webbing.

3. Secure fittings with 1 1/2-inch square boxstitch. All stitching shall be ASTM-D-6193, Type 301, 4 to 6 stitches per inch, and backstitch 1/2-inch minimum.



Step 3 - Para 10-80

10-84 Change 9

10-81. ALTERNATE SEAT CUSHION FOAM. To fabricate a replacement foam cushion for the Seat Survival Kit, proceed as follows:

Materials Required

| Quantity | Description | Reference Number |
|-------------|---------------------------------|------------------------------|
| 1 | Disposable razor knife | — |
| As Required | CONFOR Foam 1 inch thick, Green | CF-47100 NIIN 01-370-6616 |
| | Blue | CF-45100 NIIN 01-449-1789 |

1. Remove old foam from seat cushion cover.

2. Use the old foam as a template, place old foam on top of CONFOR foam.

NOTE

Ensure bulk CONFOR foam is large enough to make the new foam cushion one solid piece.

3. Trace around old foam onto the CONFOR foam, including hole for observing the emergency oxygen gage.

4. Cut CONFOR foam along the traced line.

5. Install new foam cushion into seat cushion cover. Ensure seat cushion cover fits cushion foam snugly, but does not cause bowing or excessively loose condition.

6. Write date installed on foam with permanent marker so it can be seen easily.

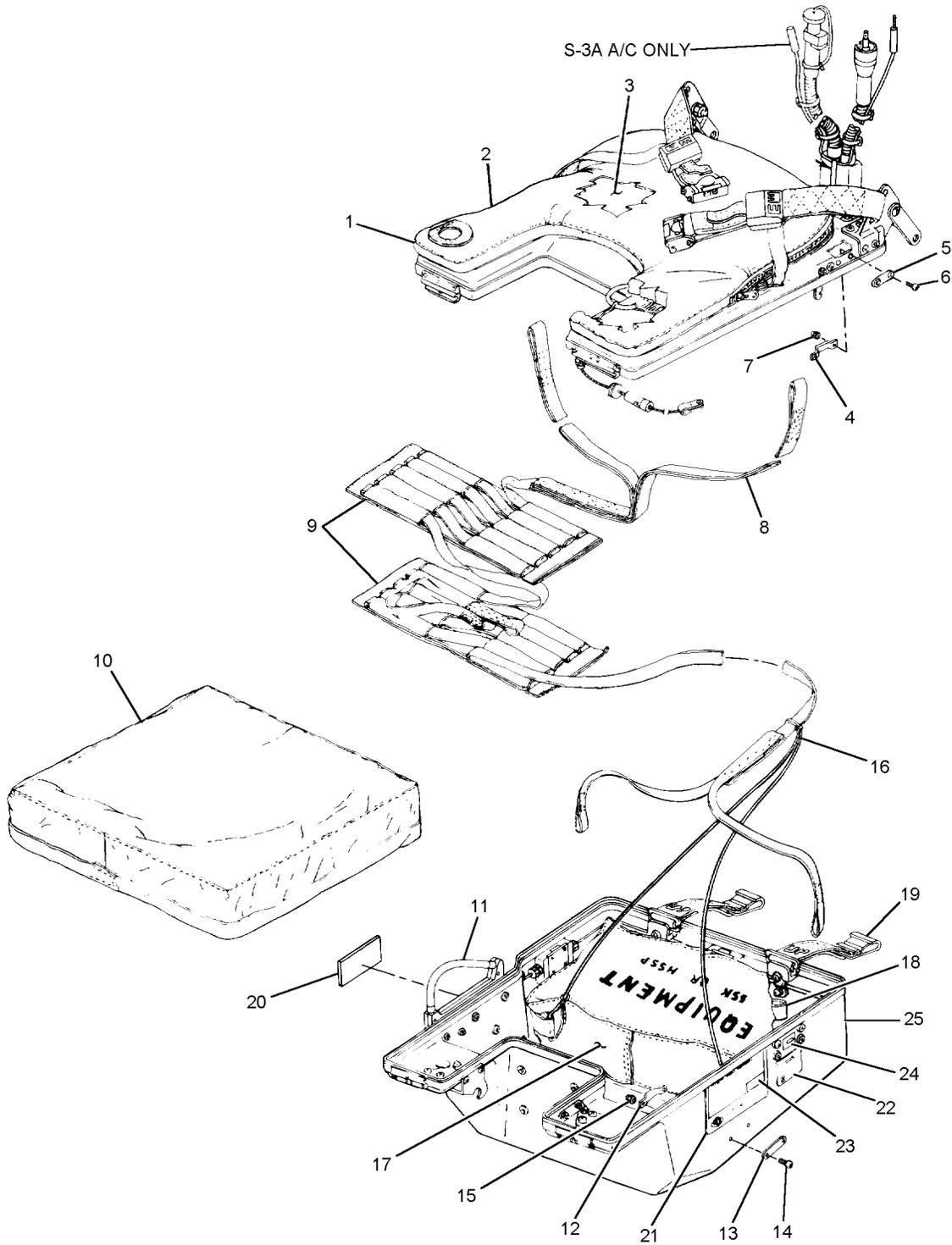
Section 10-8. Illustrated Parts Breakdown

10-82. GENERAL.

10-83. This section lists and illustrates the assemblies and detail parts of the RSSK-8 Series survival kit

assembly as manufactured by East-West Industries (CAGE 30941).

10-84. The Illustrated Parts Breakdown should be used during maintenance when requisitioning and identifying parts.



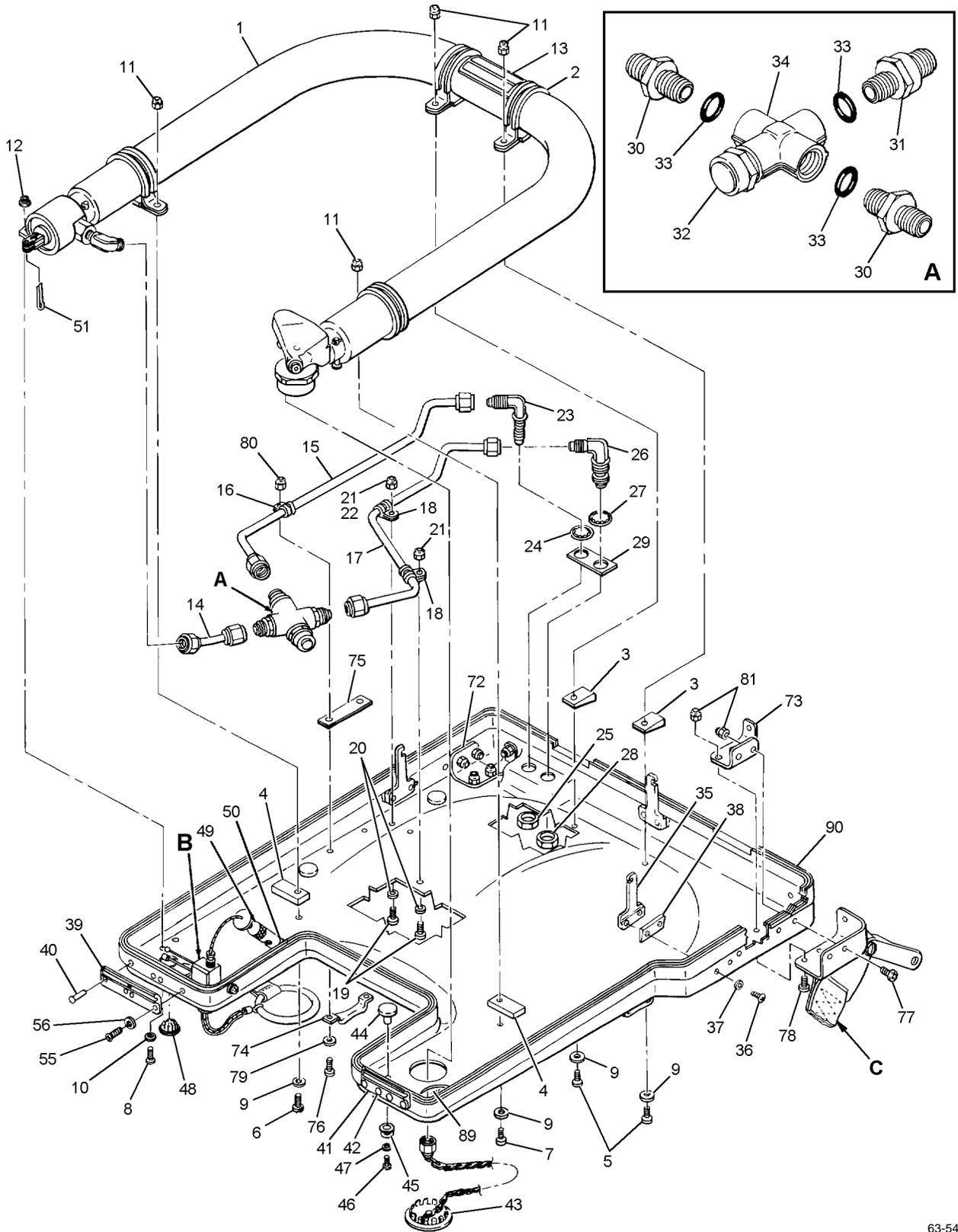
63-540A

Figure 10-19. Survival Kit Assembly (RSSK-8D)

| Figure and Index Number | Part Number | Description 1 2 3 4 5 6 7 | Units Per Assembly | Usable On Code |
|-------------------------|-------------|----------------------------------------------------------------------------------------|--------------------|----------------|
| | | | | |
| 10-19 | 102J100-6 | SURVIVAL KIT ASSEMBLY RSSK-8D /NIIN 01-052-7051/ (Note 1) | 1 | A |
| | 102J100-6 | SURVIVAL KIT ASSEMBLY RSSK-8D /NIIN 01-052-7051/ (Note 2) | 1 | B |
| -1 | 102J200-1 | . CONTAINER ASSEMBLY, Upper (See figure 10-20 for BKDN) | 1 | A |
| | 102J200-3 | . CONTAINER ASSEMBLY, Upper (See figure 10-20 for BKDN) | 1 | B |
| | 102D670-1 | . CUSHION ASSEMBLY (Use until exhausted then use 102D670-3) | 1 | |
| | 102D670-3 | . CUSHION ASSEMBLY (Supersedes 102D670-1) | 1 | |
| -2 | 102J650-1 | . . COVER ASSEMBLY, Cushion | 1 | |
| -3 | 102D601-1 | . . PAD ASSEMBLY, Cushion (Note 3) | 1 | |
| -4 | 102C101-11 | . BRACKET, Footman | 2 | |
| -5 | 102C102-11 | . BACKPLATE, Footman | 2 | |
| | | (ATTACHING PARTS FOR INDEX NOS. 5 AND 6) | | |
| -6 | MS35207-262 | . SCREW, Panhead (10-32 x 0.438) | 2 | |
| -7 | 22K1-02 | . NUT, Cap (10-32) | 2 | |
| | | ---*--- | | |
| | 36H1323-31 | . LANYARD ASSEMBLY, Retaining (80206) | 1 | |
| | 102D620-3 | . LANYARD ASSEMBLY, Retaining (30941) | 1 | |
| -8 | 102D622-3 | . . DROPLINE ASSEMBLY | 1 | |
| -9 | 102C621-1 | . . BOOT ASSEMBLY | 2 | |
| -10 | 36D1321 | . COVER, Raft protective (80206) | 1 | |
| | 102D610-11 | . COVER, Raft protective (30941) | 1 | |
| -11 | 102D550-1 | . HANDLE ASSEMBLY, Release (Superseded by and interchangeable with 102D550-3) | 1 | |
| | 102D550-3 | . HANDLE ASSEMBLY, Release (Supersedes and interchangeable with 102D550-1) | 1 | |
| -12 | 102C101-11 | . BRACKET, Footman | 2 | |
| -13 | 102C102-11 | . BACKPLATE, Footman | 2 | |
| | | (ATTACHING PARTS FOR INDEX NOS. 12 AND 13) | | |
| -14 | MS35206-244 | . SCREW, Panhead (8-32 x 0.438) | 2 | |
| -15 | 22K1-82 | . NUT, Cap (8-32) (22599) | 2 | |
| | | ---*--- | | |
| -16 | MIL-C-5040 | . CORD, Nylon, Type III | A/R | |
| | | (NIIN 00-240-2146) (After ACC 332) | | |
| -17 | 68A77D4-1 | . CONTAINER ASSEMBLY, Equipment (80206) ... | 1 | |
| | 102D615-1 | . CONTAINER ASSEMBLY, Equipment (30941) ... | 1 | |
| -18 | 67A319D16-9 | . RETAINING LANYARD ASSEMBLY (80206) ... | 1 | |
| | 102D655-1 | . RETAINING LANYARD ASSEMBLY (30941) ... | 2 | |
| -19 | 1195AS106-1 | . STRAP, Parachute attachment (After ACC 377) ... | 2 | |

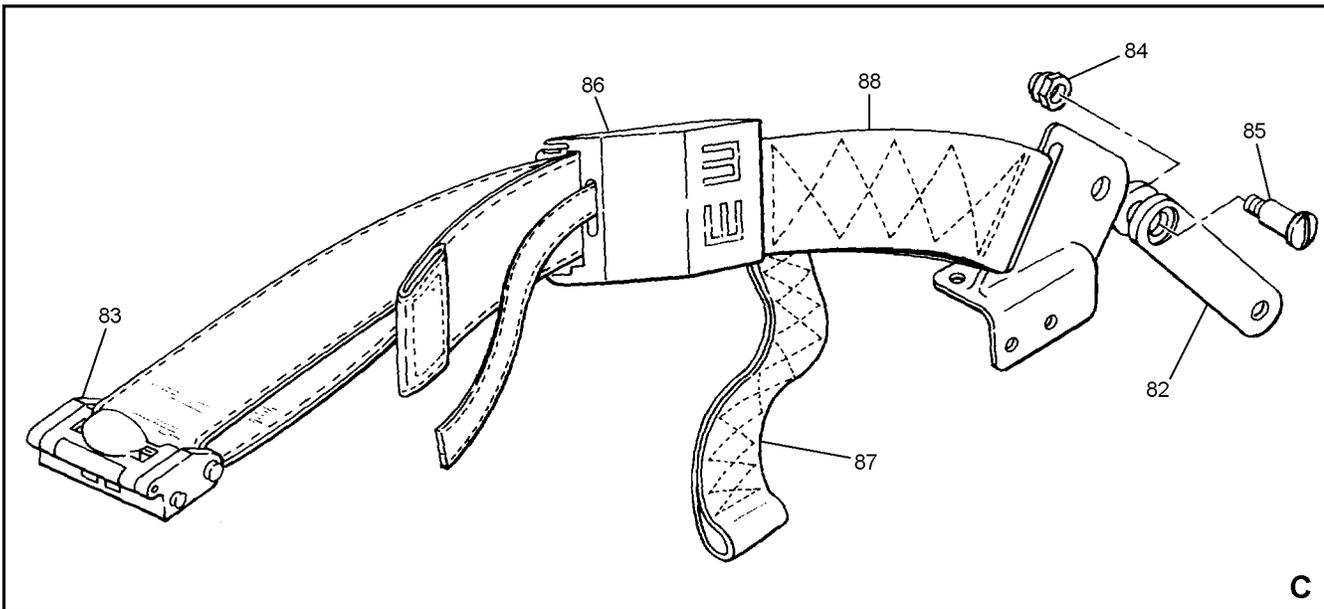
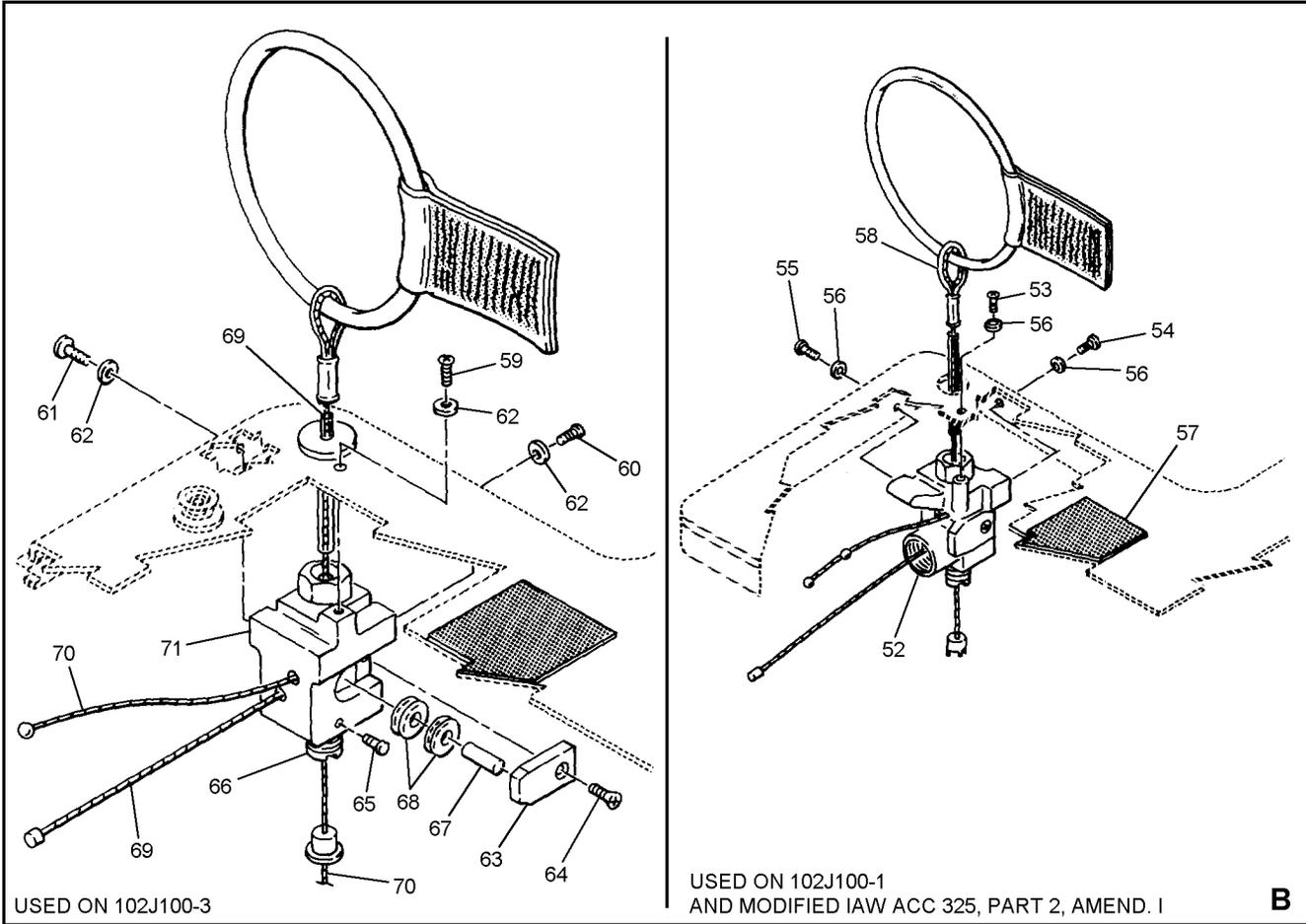
NAVAIR 13-1-6.3-1

| Figure and Index Number | Part Number | Description | Units Per Assembly | Usable On Code |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------------------------------------|--------------------|----------------|
| | | 1 2 3 4 5 6 7 | | |
| 10-19 | 224C300-1 | . STRAP, Parachute attachment (30941) | 2 | A B |
| -20 | 102D499-17 | . LABEL, Warning | 1 | |
| -21 | 102D499-19 | . LABEL, Nameplate | 1 | |
| | 204C912-11 | . LABEL, Nameplate | 1 | |
| -22 | 102D499-23 | . LABEL, Instruction | 2 | |
| -23 | 1195AS116-1 | . DECAL, RSSK-8D (After ACC 377) | 1 | |
| | 234C500-1 | . DECAL, RSSK-8D (30941) | 1 | |
| -24 | No. 850 | . MYLAR TAPE, Clear (1/2-in.) | A/R | |
| -25 | 102J400-1 | . CONTAINER ASSEMBLY, Lower | 1 | |
| | | (See Figure 0-22 for BKDN) | | |
| <p>Notes: 1. This Assembly was created by the incorporation of ACC 332, ACC 325, ACC 379, and ACC 377 into the 102J100-1 Survival Kit Assembly.</p> <p>2. This Assembly was created by the incorporation of ACC 332, ACC 325, ACC 379, and ACC 377 into the 102J100-3 Survival Kit Assembly.</p> <p>3. Alternate seat cushion CONFOR foam has been authorized. See Fabrication, Section 0-7.</p> | | | | |



63-544-1

Figure 10-20. Upper Container Assembly (RSSK-8D) (Sheet 1 of 2)



63-544-2

Figure 10-20. Upper Container Assembly (RSSK-8D) (Sheet 2 of 2)

| Figure and Index Number | Part Number | Description 1 2 3 4 5 6 7 | Units Per Assembly | Usable On Code |
|-------------------------|-------------|-------------------------------------------------------------------------------------|--------------------|----------------|
| | | | | |
| 10-20 | 102J200-1 | CONTAINER ASSEMBLY, Upper (See figure 10-19 for NHA) | REF | A |
| | 102J200-3 | CONTAINER ASSEMBLY, Upper (See figure 10-19 for NHA) | REF | B |
| -1 | 102D300-1 | . OXYGEN SUPPLY ASSEMBLY, (See figure 10-21 for BKDN) | 1 | A |
| | 102D300-3 | . OXYGEN SUPPLY ASSEMBLY, (See figure 10-21 for BKDN) (ATTACHING PARTS) | 1 | B |
| -2 | MS21919DG24 | . CLAMP | 4 | |
| -3 | 102C208-13 | . SPACER, Tapered | 2 | A |
| -4 | 102C208-15 | . SPACER (0.25 thick) (Note 1) | 2 | A |
| | 102C208-17 | . SPACER (0.18 thick) (Note 2) | 2 | B |
| | 102C208-19 | . SPACER (0.160 thick) (Note 2) | 2 | B |
| -5 | MS35207-267 | . SCREW, Panhead (10-32 x 1.0 lg) | 2 | |
| -6 | MS35207-266 | . SCREW, Panhead (10-32 x 0.87 lg) | 1 | |
| -7 | MS35207-266 | . SCREW, Panhead (10-32 x 0.87 lg) | 1 | A |
| | MS35207-265 | . SCREW, Panhead (10-32 x 0.75 lg) | 1 | B |
| -8 | AN515-4R7 | . SCREW, Round head (4-40 x 0.437 lg) | 2 | |
| -9 | AN960PD10L | . WASHER, Flat (0.016 thick) | 4 | |
| -10 | AN960PD4L | . WASHER, Flat (0.016 thick) | 2 | |
| -11 | 22K1-02 | . NUT (10-32) (22599) | 4 | |
| -12 | MS21042-04 | . NUT, Self lock | 2 | |
| | | ---*--- | | |
| -13 | 102D499-27 | . LABEL, Oxygen Assembly | 1 | A |
| | 204BS26-11 | . LABEL, Oxygen Assembly | 1 | B |
| -14 | 102C353-1 | . TUBE ASSEMBLY, Reducer-to-manifold | 1 | |
| -15 | 102C354-1 | . TUBE ASSEMBLY, Ship-to-manifold | 1 | |
| | | (ATTACHING PARTS) | | |
| -16 | MS21919DG4 | . CLAMP | 1 | |
| | | ---*--- | | |
| -17 | 102C355-1 | . TUBE ASSEMBLY, Kit-to-manifold | 1 | |
| | | (ATTACHING PARTS) | | |
| -18 | MS21919DG4 | . CLAMP | 2 | |
| -19 | MS35207-264 | . SCREW, Panhead (10-32 x 0.62 lg) | 2 | |
| -20 | AN960PD10L | . WASHER, Flat (0.016 thick) | 2 | |
| -21 | 22K1-02 | . NUT, Cap (10-32) (22599) | 2 | A |
| | 22K1-02 | . NUT, Cap (10-32) (22599) | 1 | B |
| -22 | MS21042-3 | . NUT, Self locking (10-32) | 1 | B |
| | | ---*--- | | |
| -23 | 102A322-11 | . ELBOW, O ₂ inlet | 1 | |
| | | (ATTACHING PARTS) | | |
| -24 | MS35333-77 | . WASHER, Lock (0.464 id) | 1 | |
| 10-20-25 | AN924-4D | . NUT | 1 | |

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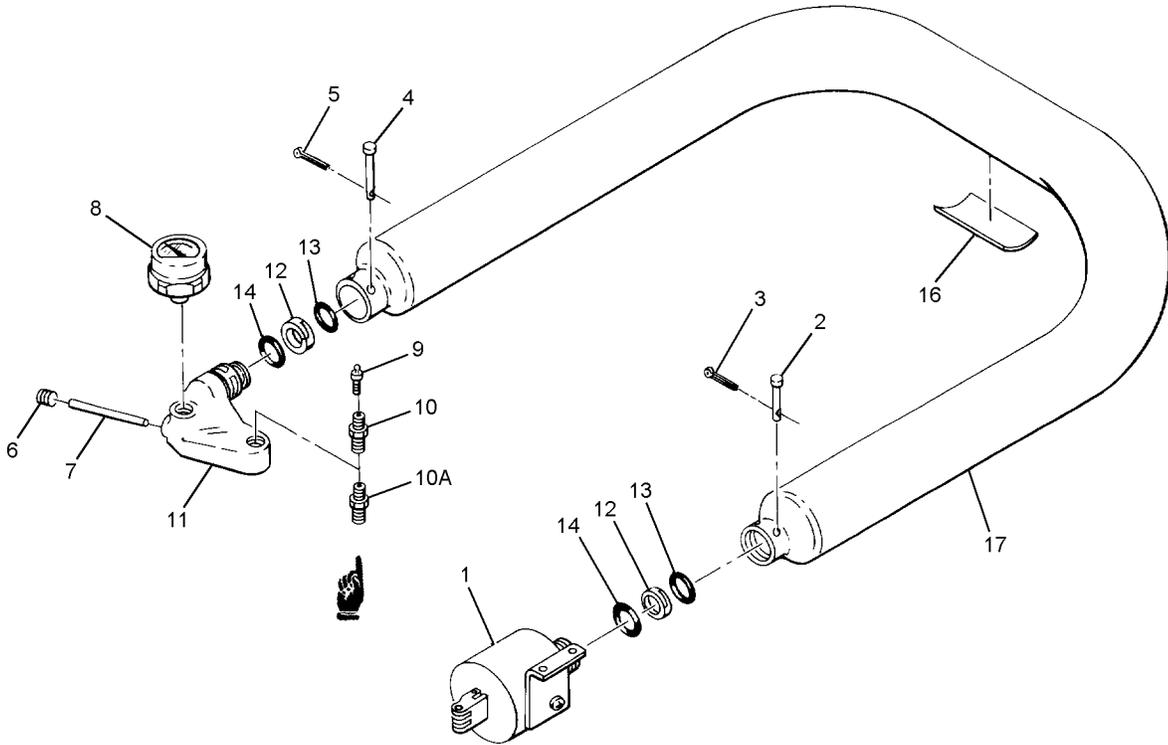
| Figure and Index Number | Part Number | Description | Units Per Assembly | Usable On Code |
|-------------------------|--------------|-------------------------------------------------------------------------------|--------------------|----------------|
| | | | | |
| -26 | 102C324-11 | . ---*--- ELBOW, Bulkhead (ATTACHING PARTS) | 1 | |
| -27 | MS35333-78 | . WASHER, Lock (0.530 id) | 1 | |
| -28 | AN924-5D | . NUT | 1 | |
| -29 | 102C329-11 | . ---*--- PLATE, Hose | 1 | |
| | 102C365-1 | . CROSS MANIFOLD ASSEMBLY (Superseded by 102C365-3) | 1 | A |
| | 102C365-3 | . CROSS MANIFOLD ASSEMBLY (Supersedes 102C365-1) | 1 | B |
| -30 | AN815-4D | . . UNION | 2 | B |
| -31 | 3104AS100-1 | . . VALVE, Check | 1 | B |
| -32 | EW63004 | . . VALVE, Relief (30941) | 1 | |
| | P103-673 | . . VALVE, Relief (91816) | 1 | |
| | Z02RV04-4 | . . VALVE, Relief (91816) (Note 4) | 1 | |
| -33 | MS9068-012 | . . O-RING (Note 5) | 4 | B |
| -34 | AN937D4 | . . CROSS, Internal screw thread | 1 | B |
| -35 | 1195AS109-1 | . LATCH, Lid (Note 4) | 3 | |
| | 230C535-13 | . LATCH, Lid (30941) (Note 4) (ATTACHING PARTS) | 3 | |
| -36 | MS51958-63 | . SCREW, Panhead (10-32 x 0.50 lg) (Note 5) | 6 | |
| -37 | AN960PD10L | . WASHER, Flat (0.016 thick) | 6 | |
| -38 | 1195AS110-1 | . SHIM, Tapered (1°E30°) (Note 3) | 3 | |
| | 230C536-11 | . SHIM, Tapered (1°E30°) (30941) (Note 3) | 3 | |
| | 1195AS111-1 | . SHIM, Tapered (3°) (Note 3) | 3 | |
| | 230C536-13 | . SHIM, Tapered (3°) (30941) (Note 3) | 3 | |
| | 1195AS112-1 | . SHIM, Tapered (6°) (Note 3) | 3 | |
| | 230C536-15 | . SHIM, Tapered (6°) (30941) (Note 3) | 3 | |
| -39 | 102D125-1 | . ---*--- HINGE, LH (ATTACHING PARTS) | 1 | |
| -40 | MS20470AD3-8 | . RIVET (0.094 DIA x 0.50 lg) | 3 | |
| -41 | 102D125-3 | . ---*--- HINGE, RH (ATTACHING PARTS) | 1 | |
| -42 | MS20470AD3-8 | . RIVET (0.094 dia x 0.50 lg) | 4 | |
| -43 | 102C280-1 | . ---*--- PLUG AND CAP ASSEMBLY | 1 | |
| -44 | MS27983-2 | . FASTENER, Stud | 7 | |
| -45 | MS27983-3 | . FASTENER, Eyelet (ATTACHING PARTS FOR INDEX NOS. 44 AND 45) | 7 | |
| -46 | COML | . SCREW, Panhead (3-56 UNF-3A x 0.375) | 7 | |
| -47 | NAS620-5L | . WASHER, Flat (0.128 id x 0.238 od) | 7 | |

| Figure and Index Number | Part Number | Description | Units Per Assembly | Usable On Code |
|-------------------------|-------------|-------------------------------------------------------------------|--------------------|----------------|
| | | | | |
| 10-20-48 | SS51338 | . HOLE PLUG | 1 | |
| | 102C325-1 | . LANYARD ASSEMBLY, Oxygen release | 1 | |
| -49 | 102C364-3 | . . COUPLING ASSEMBLY, Upper lanyard | 1 | |
| -50 | 102C363-1 | . . COUPLING ASSEMBLY, Lower lanyard | 1 | |
| -51 | MS24665-88 | . PIN Cotter | 1 | |
| -52 | 102D390-1 | . OXYGEN RELEASE ASSEMBLY (Note 6) (ATTACHING PARTS) | 1 | A |
| -53 | AN515-4R5 | . SCREW, Round head (4-40 x 0.312 lg) (Note 5) | 1 | A |
| -54 | AN515-4R7 | . SCREW, Round head (4-40 x 0.437 lg) (Note 5) | 1 | A |
| -55 | AN515-4R8 | . SCREW, Round head (4-40 x 0.50 lg) (Note 5) | 1 | A |
| -56 | AN960PD4L | . WASHER, Flat (0.016 thick) ---*--- | 3 | A |
| -57 | MIL-F-21840 | . PILE TAPE, Type II (Note 6) | 1 | A |
| -58 | CL223D2-1 | . RELEASE ASSEMBLY, Emergency oxygen (Note 7) | 1 | A |
| | 102D392-1 | . OXYGEN RELEASE ASSEMBLY (ATTACHING PARTS) | 1 | B |
| -59 | AN515-4R5 | . SCREW, Round head (4-40 x 0.312 lg) (Note 5) | 1 | B |
| -60 | AN515-4R7 | . SCREW, Round head (4-40 x 0.437 lg) (Note 5) | 1 | B |
| -61 | AN515-4R8 | . SCREW, Round head (4-40 x 0.50 lg) (Note 5) | 1 | B |
| -62 | AN960PD4L | . WASHER, Flat (0.016 thick) (Note 5) ---*--- | 3 | B |
| -63 | 102C389-11 | . . COVER, Pulley | 1 | |
| -64 | MS24693-53 | . . SCREW, Flathead (4-40 x 0.312 lg) (Note 5) | 1 | |
| -65 | MS18063-1 | . . SCREW, Set (4-40 x 0.125 lg) | 1 | |
| -66 | 102C388-11 | . . ADJUSTER | 1 | |
| -67 | MS9164-066 | . . PIN (0.140 dia x 0.50 lg) | 1 | |
| -68 | 102C391-11 | . . PULLEY | 2 | |
| -69 | 102C336-1 | . . CABLE ASSEMBLY, Manual O ₂ | 1 | |
| -70 | 102C395-3 | . . LINK ASSEMBLY | 1 | |
| -71 | 102D393-11 | . . HOUSING, Machined | 1 | |
| | CC-101D2-1 | . HARNESS ASSEMBLY, LH (80206) (Notes 8 and 9) | 1 | |
| | 102D680-7 | . HARNESS ASSEMBLY, LH (30941) (Notes 9 and 10) | 1 | |
| | CC-101D2-2 | . HARNESS ASSEMBLY, RH (80206) (Notes 9 and 10) | 1 | |

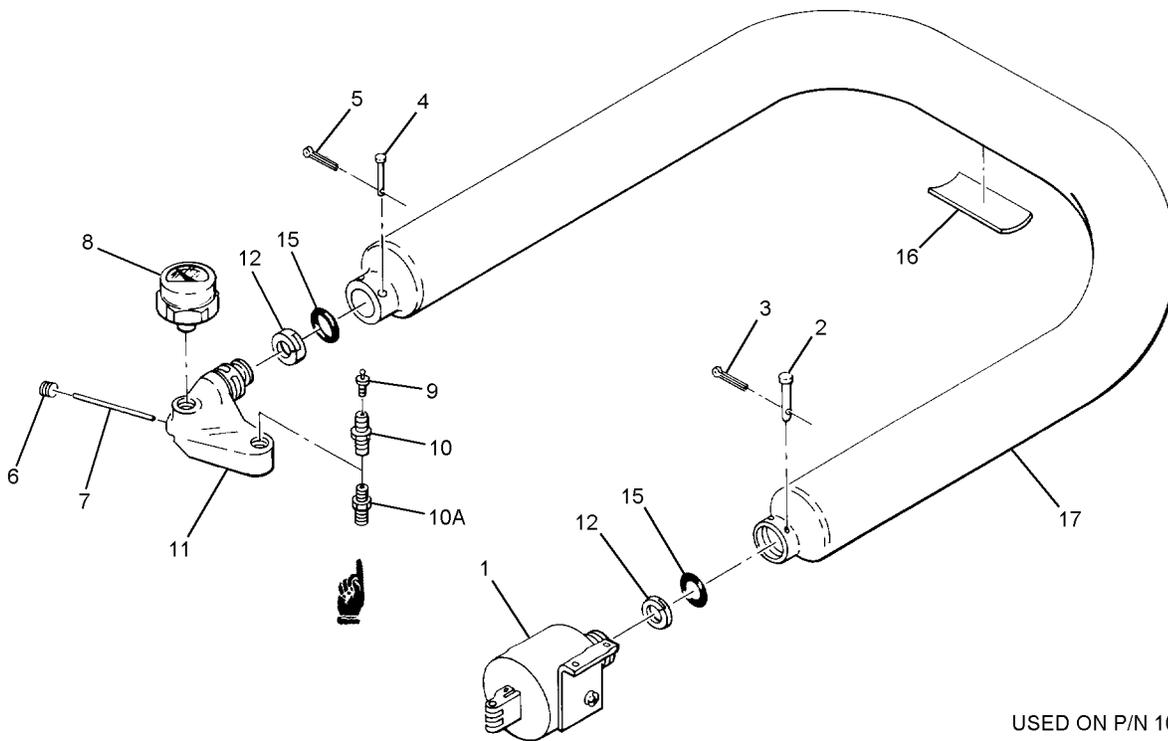
NAVAIR 13-1-6.3-1

| Figure and Index Number | Part Number | Description 1 2 3 4 5 6 7 | Units Per Assembly | Usable On Code |
|-------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------|
| | | | | |
| 10-20 | 102D680-8 | . HARNESS ASSEMBLY, RH (30941) (Notes 9 and 10) (ATTACHING PARTS) | 1 | |
| -72 | 102C241-11 | . BRACKET, Backplate LH | 1 | |
| -73 | 102C241-12 | . BRACKET, Backplate RH | 1 | |
| -74 | 102C101-13 | . BRACKET, Footman | 2 | |
| -75 | 102C102-11 | . BACKPLATE, Footman | 2 | |
| -76 | MS51957-45 | . SCREW, Panhead (8-32 x 0.50 lg) | 4 | |
| -77 | MS51958-63 | . SCREW, Panhead (10-32 x 0.50 lg) | 6 | |
| -78 | MS51958-64 | . SCREW, Panhead (10-32 x 0.62 lg) | 4 | |
| -79 | AN9060PD8L | . WASHER, Flat | 4 | |
| -80 | 22K1-82 | . NUT (8-32) (22599) | 4 | |
| -81 | 22K1-02 | . NUT (22599) | 10 | |
| | | ---*--- | | |
| -82 | 102C645-11 | . . LUG, Side release | 1 | |
| -83 | 015-11365-1 | . . RELEASE ASSEMBLY, Lapbelt (99449) (Note 10) | 1 | |
| -84 | 22K2-048 | . . NUT, Hex (1/4-28) (22599) | 1 | |
| -85 | 102C646-11 | . . PIN, Lug | 1 | |
| -86 | 1195AS114-1 | . . ADJUSTER, Harness restraint | 1 | |
| | | (After ACC 377) | | |
| | 184C100-1 | . . ADJUSTER, Harness, restraint (30941) (Interchangeable with 1195AS114-1 in pairs only) | 1 | |
| -87 | 1195AS115-1 | . . STRAP, Anti-rotation left | 1 | |
| | | (After ACC 377) | | |
| | 234C600-1 | . . STRAP, Anti-rotation left (30941) | 1 | |
| | 1195AS115-2 | . . STRAP, Anti-rotation right | 1 | |
| | | (After ACC 377) | | |
| | 234C600-2 | . . STRAP, Anti-rotation right (30941) | 1 | |
| -88 | CC-101D2-3 | . . HARNESS SUBASSEMBLY LH (80206) | 1 | |
| | 102D680-1 | . . HARNESS SUBASSEMBLY LH (30941) | 1 | |
| | CC-101D2-4 | . . HARNESS SUBASSEMBLY RH (80206) | 1 | |
| | 102D680-2 | . . HARNESS SUBASSEMBLY RH (30941) | 1 | |
| -89 | 102C201-11 | . WINDOW, Pressure gage (Note 12) | 1 | |
| | 204B201-11 | . WINDOW, Pressure gage (Note 13) | 1 | |
| -90 | 102J222-11 | . LID ASSEMBLY, Machined | 1 | |
| | | Notes: 1. Interchangeable with spacer P/N 102C208-11 (0.31 thick) when required. 2. Interchangeable spacers when required. | | |

| Figure and Index Number | Part Number | Description 1 2 3 4 5 6 7 | Units Per Assembly | Usable On Code |
|-------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------|
| | | <p>Notes: (Cont)</p> <ol style="list-style-type: none"> 3. Apply EW34003 lubricant very lightly to O-rings just prior to Assembly. 4. The third lid latch was incorporated by ACC 379 and the structurally improved lid latches incorporated by ACC 377. 5. Apply VC-3 to threads. 6. Modified IAW ACC 325, Part 2, Amend. 1. 7. Incorporated by ACC 325, Part 2, Amend. 1. 8. Install 102C215-1 shim under Harness Bracket only if required for fit in alignment fixture. 9. Harness modified IAW ACC 377. 10. When replacing lapbelt Assembly, apply sealing, locking, and retaining compound, MIL-S-22473, to shoulder screws. 11. Bond with Epoxy lite No. 875 or equivalent. 12. Bond with Epoxy lite EW31002. 13. Part of shim set P/N 230C560-1. 14. Torque to a value of 70 ± 5 in-lbs. | | |



USED ON P/N 102J100-1

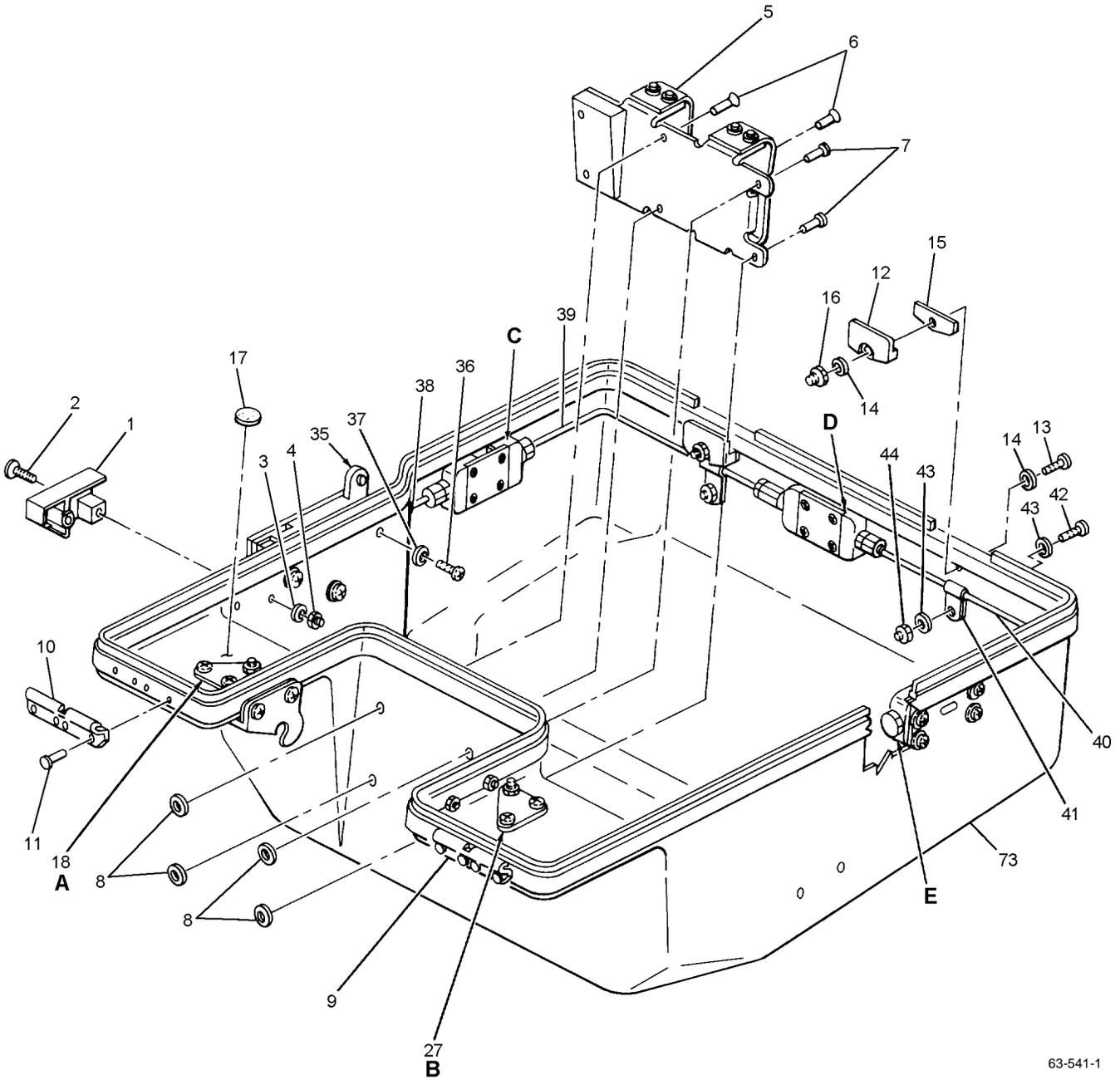


USED ON P/N 102J100-3

010021

Figure 10-21. Oxygen Supply Assembly (RSSK-8D)

| Figure and Index Number | Part Number | Description | Units Per Assembly | Usable On Code |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------------------------------------------|--------------------|----------------|
| | | 1 2 3 4 5 6 7 | | |
| 10-21 | 102D300-1 | OXYGEN SUPPLY ASSEMBLY, (See figure 10-20 for NHA) | REF | A |
| | 102D300-3 | OXYGEN SUPPLY ASSEMBLY, (See figure 10-20 for NHA) | REF | B |
| -1 | 102D310-1 | . PRESSURE REDUCER ASSEMBLY | 1 | A |
| | 102D396-1 | . PRESSURE REDUCER ASSEMBLY | 1 | B |
| | | (ATTACHING PARTS) | | |
| -2 | 102C702-11 | . PIN (0.153, 0.155 dia) | 2 | |
| -3 | MS24665-1013 | . PIN, Cotter (0.062 dia x 0.43 lg) | 2 | |
| | | ---*--- | | |
| | 102D370-1 | . FILLER GAGE, Manifold Assembly | 1 | A |
| | 102D370-3 | . FILLER GAGE, Manifold Assembly | 1 | B |
| | | (ATTACHING PARTS) | | |
| -4 | 102C702-11 | . PIN (0.153, 0.155 dia) | 2 | |
| -5 | MS24665-1013 | . PIN, Cotter (0.062 dia x 0.43 lg) | 2 | |
| | | ---*--- | | |
| -6 | AN932-S1 | . . PLUG (Note 1) | 1 | |
| -7 | 102C321-11 | . . FILTER ELEMENT (Fill gage manifold) | 1 | |
| -8 | EW68001 | . . GAGE, Oxygen (Note 1) | 1 | |
| -9 | EW63001 | . . VALVE CORE | 1 | |
| -10 | 102C383-11 | . . VALVE BODY (Note 1) | 1 | |
| | MS22066-1 | . . VALVE BODY (Alternate for 12C383-11) | 1 | |
| -10A | 9120097-27 | . . FILL VALVE (Note 4) | 1 | |
| -11 | 102D319-11 | . . MANIFOLD BODY, Machined | 1 | A |
| | 102D319-13 | . . MANIFOLD BODY, Machined | 1 | B |
| -12 | MS28774-014 | . BACK-UP RING | 2 | |
| -13 | MS9068-014 | . O-RING (0.070 x 0.489 id) (Note 3) | 2 | A |
| -14 | EW62002 | . O-RING (0.070 x 0.551 id) (Note 2) | 2 | A |
| -15 | NAS1611-014 | . O-RING (0.070 x 0.489 id) (Note 3) | 2 | B |
| -16 | 102D499-29 | . LABEL | 1 | A |
| | 102B833-11 | . LABEL | 1 | B |
| -17 | 102D330-1 | . TUBE ASSEMBLY | 1 | A |
| | 102D832-1 | . TUBE ASSEMBLY | 1 | B |
| Notes: 1. Use Teflon Tape MIL-T-27730. 2. Apply light film of low temperature EW34004 fluorolube grease to O-rings. 3. Apply light film of EW34001 fluorinated grease to O-rings. 4. Fill Valve can be used as an alternate to replace Valve Body P/N 102C363-11 or P/N MS22066-1 and Valve Core P/N EW63001. | | | | |



63-541-1

Figure 10-22. Lower Container Assembly (RSSK-8D) (Sheet 1 of 3)

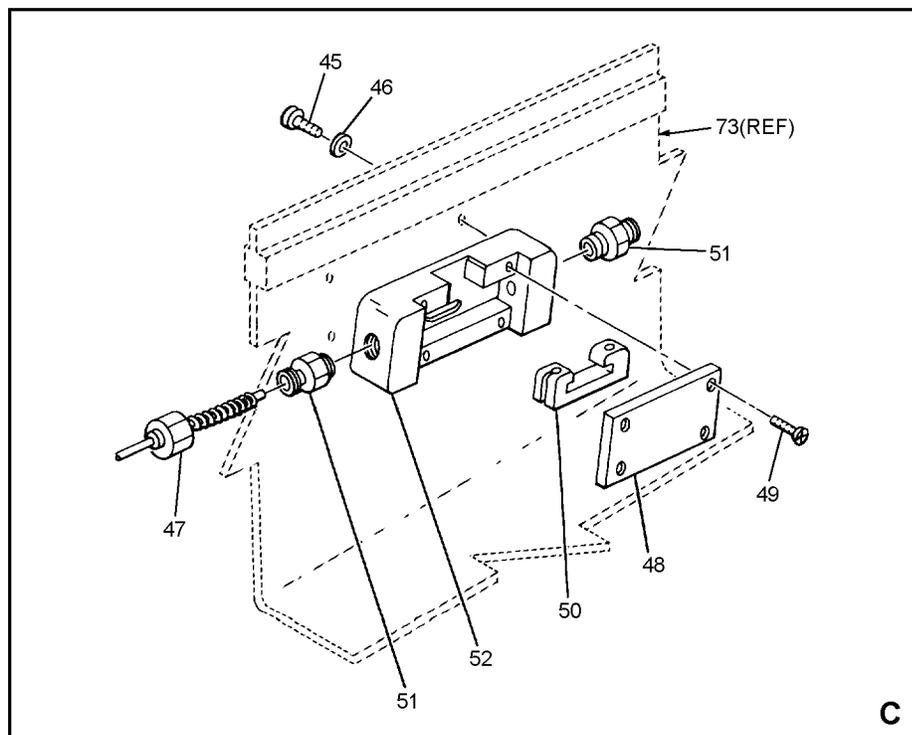
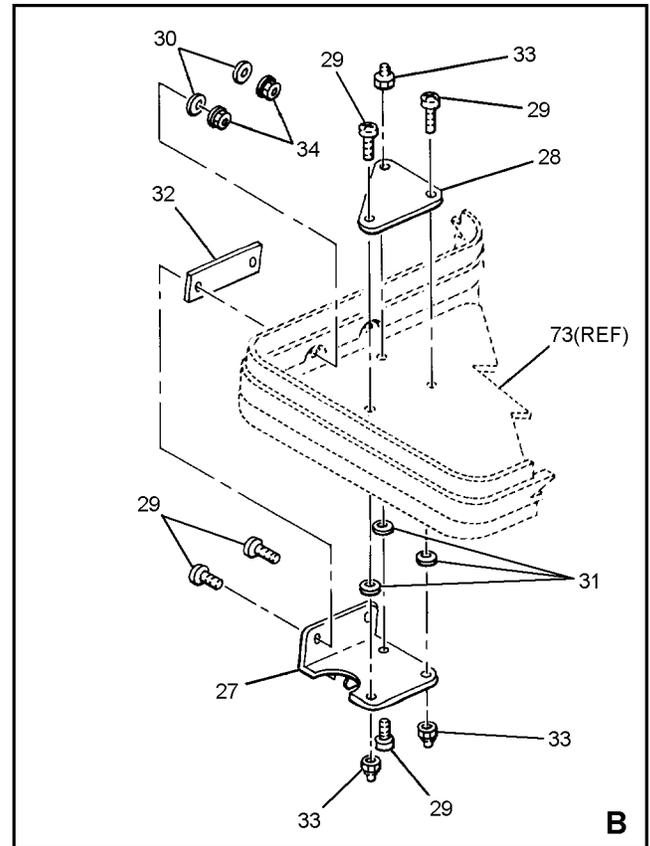
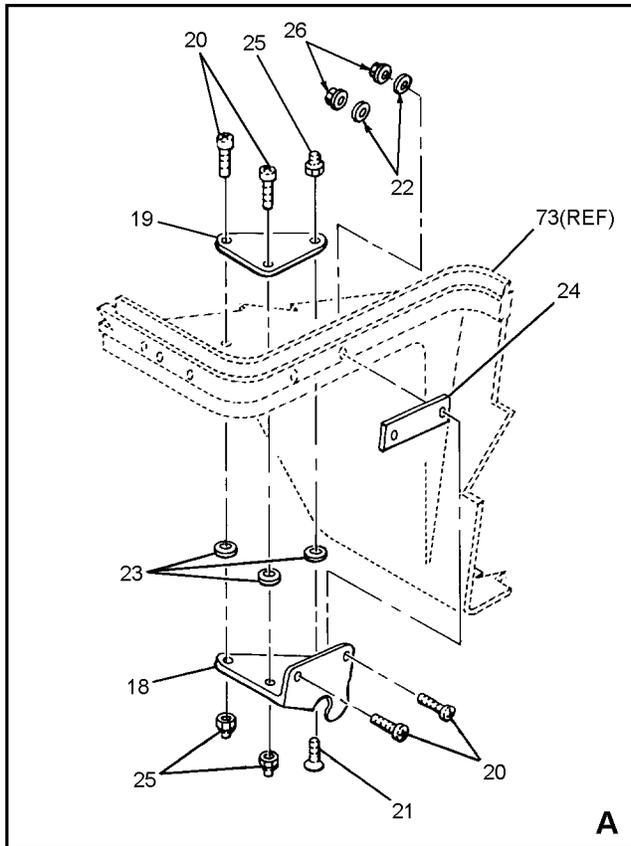
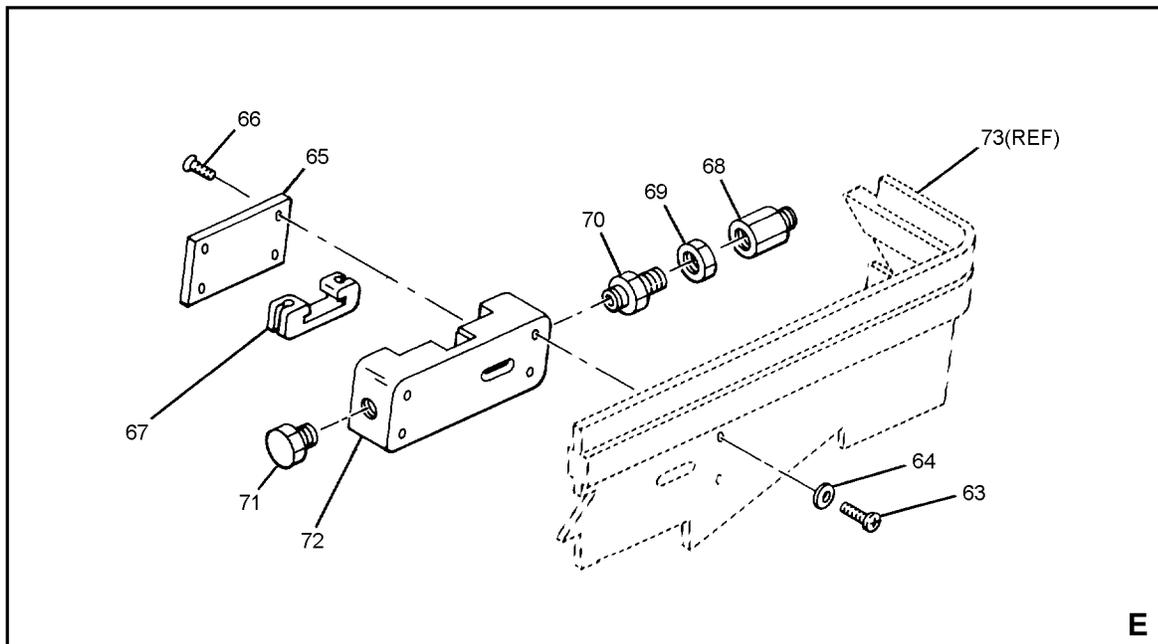
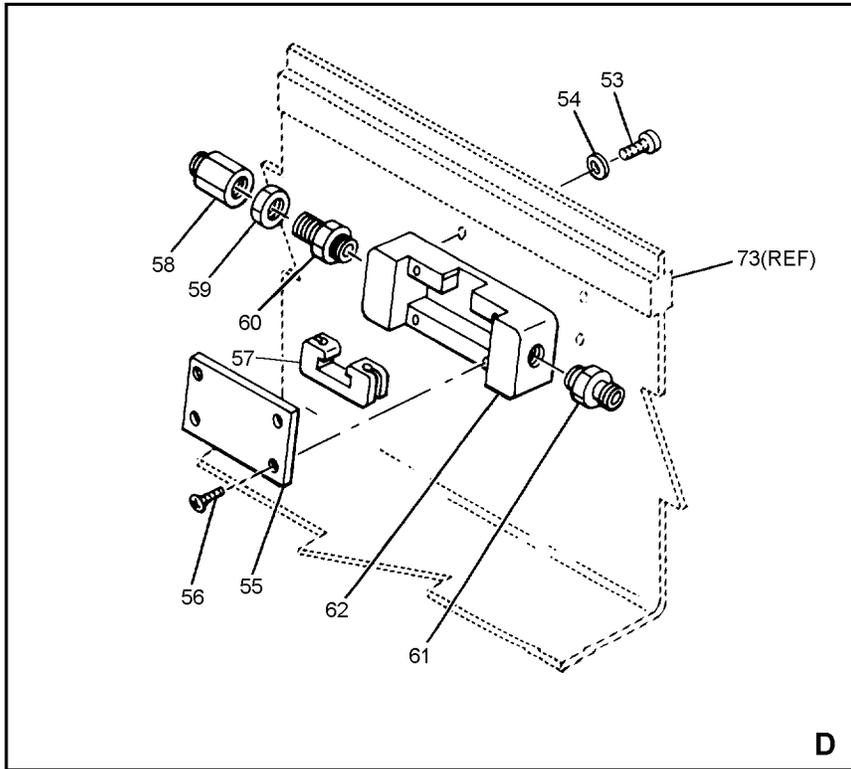


Figure 10-22. Lower Container Assembly (RSSK-8D) (Sheet 2 of 3)

63-541-2



63-541-3

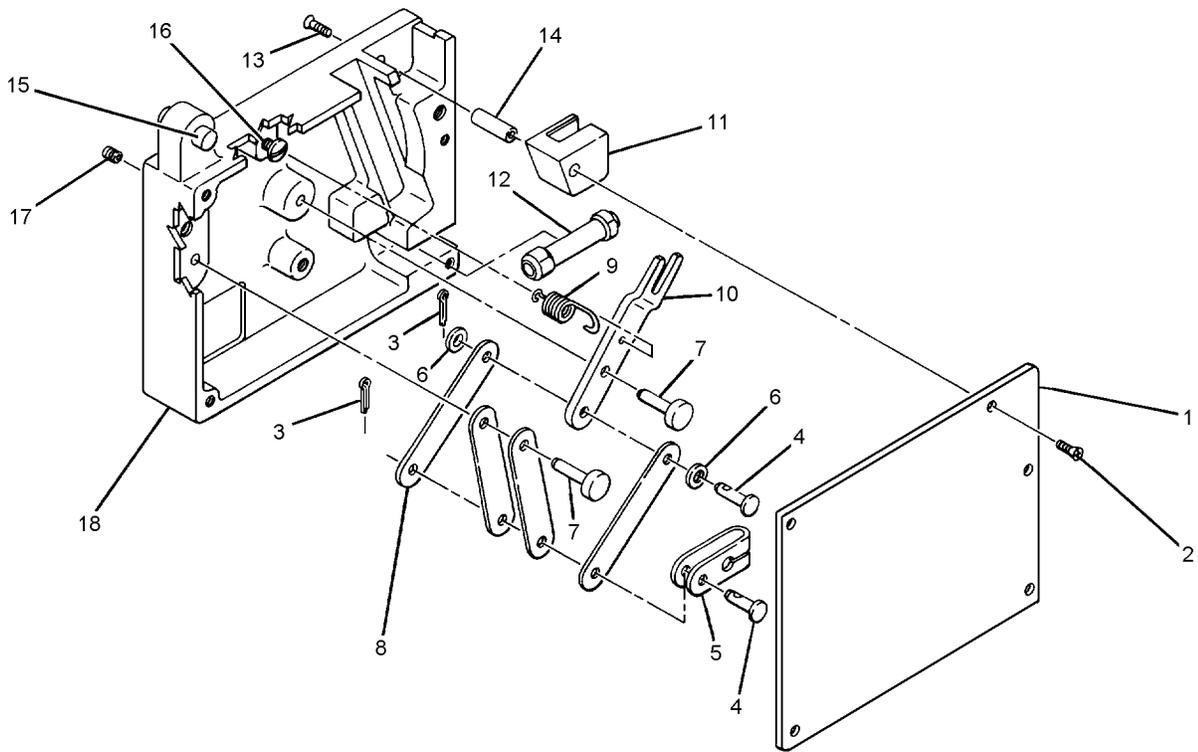
Figure 10-22. Lower Container Assembly (RSSK-8D) (Sheet 3 of 3)

| Figure and Index Number | Part Number | Description 1 2 3 4 5 6 7 | Units Per Assembly | Usable On Code |
|-------------------------|--------------|-----------------------------------------------------------------------------------------------|--------------------|----------------|
| | | | | |
| 10-22 | 102J400 | CONTAINER ASSEMBLY, Lower (See figure 10-19 for NHA) | REF | |
| -1 | 1195AS113-1 | . HANDLE PROTECTOR BRACKET (After ACC 377) | 1 | |
| | 234C450-11 | . HANDLE PROTECTOR BRACKET (30941) (ATTACHING PARTS) | 1 | |
| -2 | MS35206-232 | . SCREW, Machine-panhead | 2 | |
| -3 | AN960PD6L | . WASHER, Flat | 2 | |
| -4 | 22K1-62 | . CAPNUT ---*--- | 2 | |
| -5 | CL204D2-1 | . RADIO BRACKET ASSEMBLY (80206) | 1 | |
| | 102D450-1 | . RADIO BRACKET ASSEMBLY (30941) (ATTACHING PARTS) | 1 | |
| -6 | MS20426AD4-6 | . RIVET, (0.125 dia x 0.375 lg) | 2 | |
| -7 | MS20470AD4-6 | . RIVET, (0.125 dia x 0.375 lg) | 2 | |
| -8 | AN960PD6 | . WASHER, Flat ---*--- | 4 | |
| -9 | 102D125-13 | . HINGE, Container LH | 1 | |
| -10 | 102D125-17 | . HINGE, Container RH (ATTACHING PARTS FOR INDEX NOS. 9 AND 10) | 1 | |
| -11 | MS20470AD3-8 | . RIVET (0.094 dia x 0.500 lg) ---*--- | 4 | |
| -12 | 1195AS107-1 | . CLIP (After ACC 377) | 2 | |
| | 234C431-11 | . CLIP (30941) (ATTACHING PARTS) | 2 | |
| -13 | MS35206-246 | . SCREW, Machine-panhead (8-32 x 0.62 lg) | 1 | |
| -14 | AN960PD8L | . WASHER, Flat | 2 | |
| -15 | 1195AS108-1 | . SPACER | 1 | |
| | 224B432-11 | . SPACER (30941) | 1 | |
| -16 | 22K1-82 | . NUT, Cap, self-locking (22599) ---*--- | 1 | |
| -17 | 102C406-11 | . PAD (Note 1) | 1 | |
| -18 | 1195AS103-1 | . BRACKET, Guide RH (After ACC 377) | 1 | |
| | 234C410-13 | . BRACKET, Guide, RH (30941) | 1 | |
| -19 | 1195AS101-1 | . BACKPLATE, Bracket guide | 1 | |
| | 102C401-15 | . BACKPLATE, Bracket guide (30941) (ATTACHING PARTS FOR INDEX NOS. 18 AND 19) | 1 | |
| -20 | MS51958-64 | . SCREW, Panhead (10-32 x 0.625 lg) | 4 | |
| -21 | MS24693-C272 | . SCREW, Flathead (100° csk) (10-32 x 0.50 lg) | 1 | |
| -22 | AN960PD10L | . WASHER, Flat | 2 | |
| -23 | 1195AS105-1 | . SHIM WASHER, Laminated | 3 | |
| | 234C412-13 | . SHIM WASHER, Laminated (30941) | 1 | |

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| Figure and Index Number | Part Number | Description | Units Per Assembly | Usable On Code |
|-------------------------|-------------|-------------------------------------------------------|--------------------|----------------|
| | | | | |
| 10-22-24 | 1195AS104-1 | . SHIM PLATE, Laminated | 1 | |
| | 234C412-11 | . SHIM PLATE, Laminated (30941) | 1 | |
| -25 | 22K1-02 | . NUT, Cap, self-locking (22599) | 3 | |
| -26 | MS21042-3 | . NUT, Self-locking | 2 | |
| | | ---*--- | | |
| -27 | 1195AS102-1 | . BRACKET, Guide LH (After ACC 377) | 1 | |
| | 234C410-11 | . BRACKET, Guide, LH (30941) | 1 | |
| -28 | 1195AS101-1 | . BACKPLATE, Bracket guide | 1 | |
| | 102C401-15 | . BACKPLATE, Bracket guide (30941) | 1 | |
| | | (ATTACHING PARTS FOR INDEX NOS. 27 AND 28) | | |
| -29 | MS51958-64 | . SCREW, Panhead (10-32 x 0.625 lg) | 5 | |
| -30 | AN9609PD10L | . WASHER, Flat | 2 | |
| -31 | 1195AS105-1 | . SHIM WASHER, Laminated | 3 | |
| | 234C412-13 | . SHIM WASHER, Laminated (30941) | 3 | |
| -32 | 1195AS104-1 | . SHIM PLATE, Laminated | 1 | |
| | 234C412-11 | . SHIM PLATE, Laminated (30941) | 1 | |
| -33 | 22K1-02 | . NUT, Cap, self-locking (22599) | 3 | |
| -34 | MS21042-3 | . NUT, Self-locking | 2 | |
| | | ---*--- | | |
| -35 | 102D580-1 | . LID LOCK RELEASE ASSEMBLY | 1 | |
| | | (See figure 10-23 for BKDN) (ATTACHING PARTS) | | |
| -36 | MS35207-262 | . SCREW, Panhead (10-32 x 0.438 lg) | 3 | |
| -37 | AN960PD10L | . WASHER, Flat | 3 | |
| | | ---*--- | | |
| -38 | MS35490-25 | . GROMMET | 1 | |
| -39 | 241C120-1 | . CABLE ASSEMBLY, Right rear | 1 | |
| | | (After ACC 379) | | |
| -40 | 241C110-1 | . CABLE ASSEMBLY, Left rear (After ACC 379) | 1 | |
| | | (ATTACHING PARTS FOR INDEX NOS. 39 AND 40) | | |
| -41 | MS25281-F2 | . CLAMP, Plastic | 1 | |
| -42 | MS35207-262 | . SCREW, Panhead (10-32 x 0.438 lg) | 1 | |
| -43 | AN960PD10L | . WASHER, Flat | 2 | |
| -44 | 22K1-02 | . NUT, Cap (10-32) (22599) | 1 | |
| | | ---*--- | | |
| | 102C540-1 | . LOCK ASSEMBLY, Right | 1 | |
| | | (ATTACHING PARTS) | | |
| -45 | MS35207-262 | . SCREW, Panhead (10-32 x 0.438 lg) | 4 | |
| -46 | AN960PD10L | . WASHER, Flat | 4 | |
| | | ---*--- | | |
| -47 | 102C560-1 | . . CABLE ASSEMBLY, Right | 1 | |

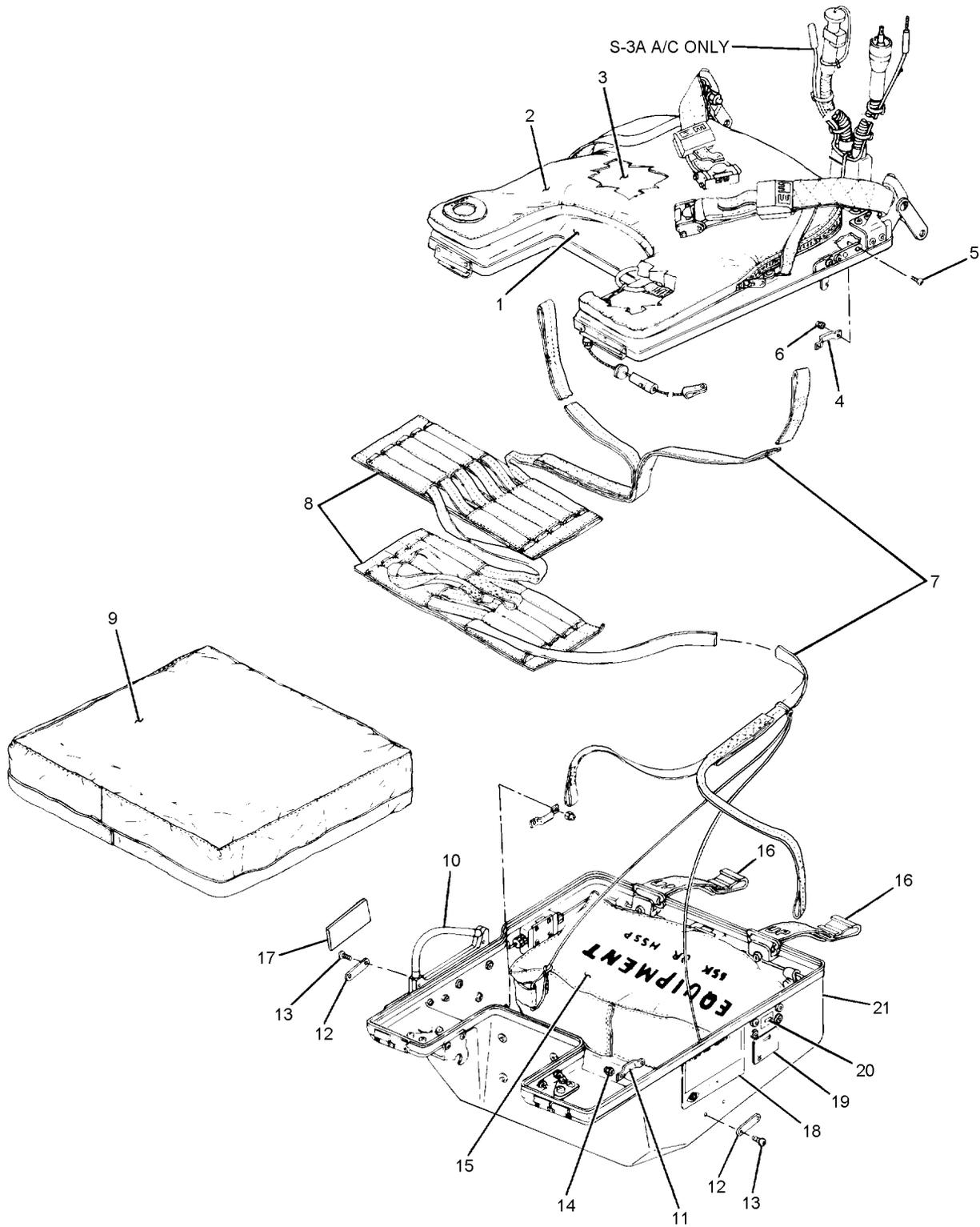
| Figure and Index Number | Part Number | Description 1 2 3 4 5 6 7 | Units Per Assembly | Usable On Code |
|------------------------------------------|-------------|----------------------------------------------------------------------|--------------------|----------------|
| | | | | |
| 10-22-48 | 102C523-11 | . . COVER (ATTACHING PARTS) | 1 | |
| -49 | MS24693-53 | . . SCREW, Flathead (4-40 x 0.312 lg) ---*--- | 4 | |
| -50 | 102C521-13 | . . SLIDE | 1 | |
| -51 | 102C527-13 | . . NIPPLE | 2 | |
| -52 | 102C519-1 | . . HOUSING, Machined | 1 | |
| | 102C545-1 | . LOCK ASSEMBLY, Rear (After ACC 379) (ATTACHING PARTS) | 1 | |
| -53 | MS35207-262 | . SCREW, Panhead (10-32 x 0.438 lg) | 4 | |
| -54 | AN960PD10L | . WASHER, Flat ---*--- | 4 | |
| -55 | 102C523-11 | . . COVER (ATTACHING PARTS) | 1 | |
| -56 | MS24693-53 | . . SCREW, Flathead (4-40 x 0.312 lg) ---*--- | 4 | |
| -57 | 102C521-13 | . . SLIDE | 1 | |
| -58 | 102C525-11 | . . ADJUSTER | 1 | |
| -59 | 102C701-15 | . . LOCKNUT | 1 | |
| -60 | 102C527-11 | . . NIPPLE | 1 | |
| -61 | 102C527-13 | . . NIPPLE | 1 | |
| -62 | 102C519-1 | . . HOUSING, Machined | 1 | |
| | 102C520-1 | . LOCK ASSEMBLY, Left (ATTACHING PARTS) | 1 | |
| -63 | MS35207-262 | . SCREW, Panhead (10-32 x 0.438 lg) | 4 | |
| -64 | AN960PD10L | . WASHER, Flat ---*--- | 4 | |
| -65 | 102C523-11 | . . COVER (ATTACHING PARTS) | 1 | |
| -66 | MS24693-53 | . . SCREW, Flathead (4-40 x 0.312 lg) ---*--- | 4 | |
| -67 | 102C521-13 | . . SLIDE | 1 | |
| -68 | 102C525-11 | . . ADJUSTER | 1 | |
| -69 | 102C701-15 | . . LOCKNUT | 1 | |
| -70 | 102C527-11 | . . NIPPLE | 1 | |
| -71 | 102C526-11 | . . PLUG | 1 | |
| -72 | 102C519-1 | . . HOUSING, Machined | 1 | |
| -73 | 102J422-11 | . . CONTAINER, Machined | 1 | |
| Notes: 1. Apply adhesive No. 460 to pad. | | | | |



63-543

Figure 10-23. Lid Lock Release Assembly (RSSK-8D)

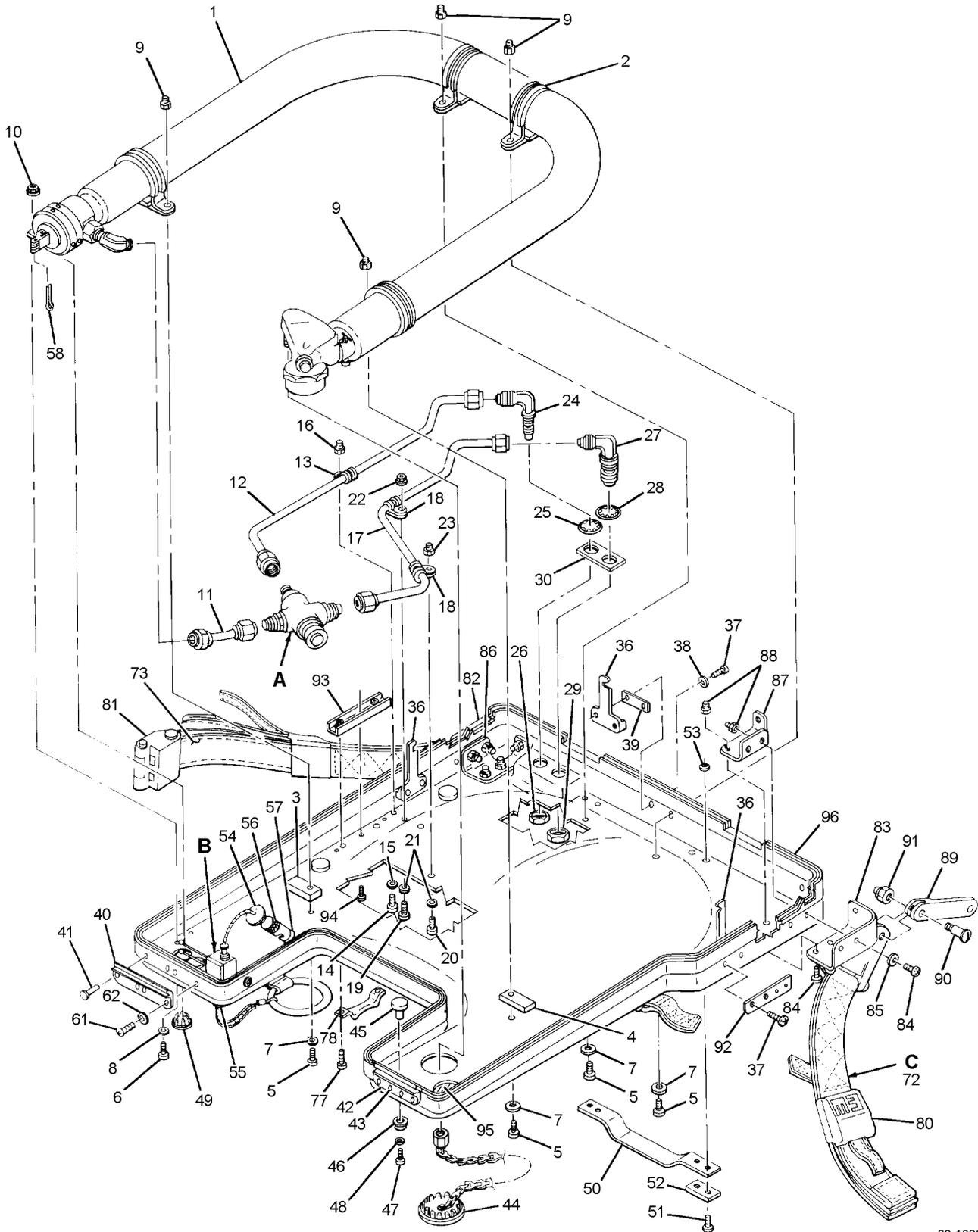
| Figure and Index Number | Part Number | Description | Units Per Assembly | Usable On Code |
|-------------------------|--------------|--------------------------------------------------------------|--------------------|----------------|
| | | 1 2 3 4 5 6 7 | | |
| 10-23 | 102D580-1 | LID LOCK RELEASE ASSEMBLY | REF | |
| | | (See figure 10-22 for NHA) | | |
| -1 | 102C597-11 | . COVER | 21 | |
| | | (ATTACHING PARTS) | | |
| -2 | MS24693-53 | . SCREW, Flathead (4-40) (Note 1) | 5 | |
| | | ---*--- | | |
| -3 | MS24665-1011 | . PIN, Cotter (0.312 lg) | 2 | |
| -4 | MS9462-05 | . PIN, Clevis | 2 | |
| -5 | 102C581-11 | . CLEVIS | 1 | |
| -6 | AN960-C6 | . WASHER, Flat | 2 | |
| -7 | 102C596-11 | . PIN, Pivot (0.312 dia x 0.60 lg) | 2 | |
| -8 | 102C582-11 | . LINK TOGGLE | 4 | |
| -9 | 102C584-11 | . SPRING, Toggle | 1 | |
| -10 | 102C583-13 | . LEVER, Actuating | 1 | |
| -11 | 102C589-11 | . GUIDE | 1 | |
| -12 | 102C595-11 | . ADJUSTER | 1 | |
| | 102C588-1 | . HOUSING INSERT ASSEMBLY | 1 | |
| -13 | MS24693-53 | . . SCREW (4-40 x 0.312 lg) (Note 1) | 1 | |
| -14 | 102C594-11 | . . STANDOFF | 1 | |
| -15 | MS9390-421 | . . PIN (0.252 x 0.500 lg) | 1 | |
| -16 | COML | . . SCREW (4-40 x 0.312 lg) | 1 | |
| -17 | MS21209F1-15 | . . HELICAL COIL (10-32 x 0.285 lg) | 3 | |
| -18 | 102D587-11 | . . HOUSING, Machined lid lock release | 1 | |
| Notes: | | 1. Loctite sealant grade A or equivalent. | | |



63-1025A

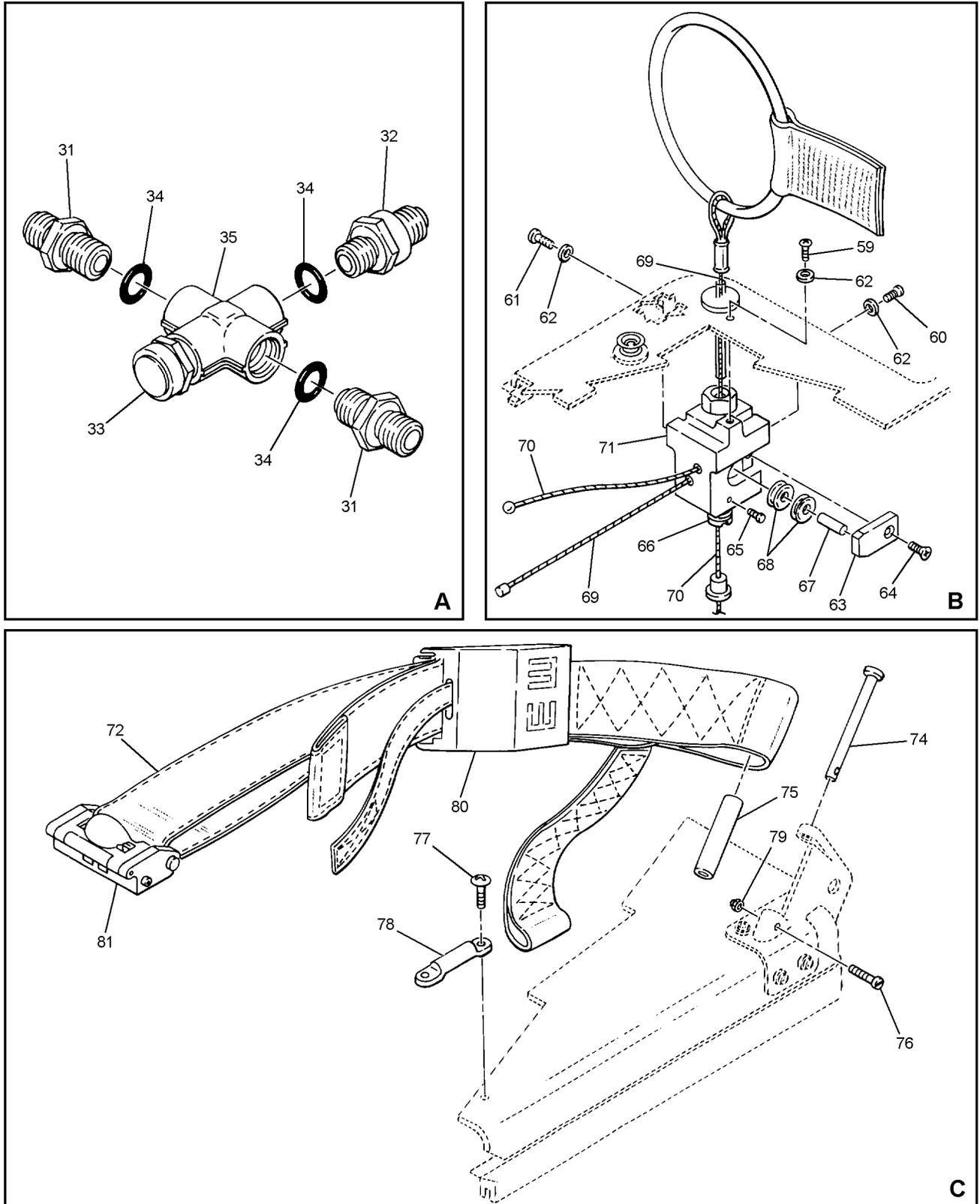
Figure 10-24. Survival Kit Assembly (RSSK-8E)

| Figure and Index Number | Part Number | Description | Units Per Assembly | Usable On Code |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------------------------------|--------------------|----------------|
| | | 1 2 3 4 5 6 7 | | |
| 10-24 | 102J100-7 | SURVIVAL KIT ASSEMBLY RSSK-8E | 1 | |
| -1 | 102J200-9 | . CONTAINER ASSEMBLY, Upper | 1 | |
| | | (See figure 10-25 for BKDN) | | |
| | 102D670-3 | . CUSHION ASSEMBLY | 1 | |
| -2 | 102J650-3 | . . COVER ASSEMBLY, Cushion | 1 | |
| -3 | 102D601-3 | . . PAD ASSEMBLY, Cushion (Note 1) | 1 | |
| -4 | 102C101-11 | . BRACKET, Footman | 2 | |
| | | (ATTACHING PARTS) | | |
| -5 | MS51958-62 | . SCREW, Panhead (10-32 x 0.438) | 2 | |
| -6 | EW42001 | . NUT, Cap (10-32) | 2 | |
| | | ---*--- | | |
| | 102D620-5 | . LANYARD ASSEMBLY, Retaining | 1 | |
| -7 | 102D622-5 | . . DROPLINE LANYARD ASSEMBLY | 1 | |
| -8 | 102C621-1 | . . BOOT ASSEMBLY | 2 | |
| -9 | 36D1321 | . COVER, Raft, protective (80206) | 1 | |
| | 102D610-11 | . COVER, Raft, protective (30941) | 1 | |
| -10 | 102D550-3 | . HANDLE ASSEMBLY, Release | 1 | |
| -11 | 102C101-11 | . BRACKET, Footman | 2 | |
| -12 | 102C102-11 | . BACKPLATE, Footman | 2 | |
| | | (ATTACHING PARTS FOR INDEX NOS. 11 AND 12) | | |
| -13 | MS51958-62 | . SCREW, Panhead (10-32 x 0.438) | 2 | |
| -14 | EW42001 | . NUT, Cap (10-32) | 2 | |
| | | ---*--- | | |
| -15 | 102D615-3 | . CONTAINER ASSEMBLY, Equipment | 1 | |
| -16 | 224C300-1 | . STRAP, Parachute attachment | 2 | |
| -17 | 102D499-17 | . LABEL, Warning | 1 | |
| -18 | 204C912-11 | . LABEL, Nameplate | 1 | |
| -19 | 102D499-23 | . LABEL, Instruction | 1 | |
| | 102D499-15 | . LABEL, Instruction | 2 | |
| -20 | No. 850 | . MYLAR TAPE, Clear (1/2-in.) | A/R | |
| -21 | 102J400-5 | . CONTAINER ASSEMBLY, Lower | 1 | |
| | | (See figure 10-28 for BKDN) | | |
| Notes: 1. Alternate seat cushion foam P/N CF-47100, CONFOR foam (1M331), NIIN 01-370-6116, has been authorized. See Fabrication Section 10-7. 2. For S-3A A/C ONLY. | | | | |



63-10261

Figure 10-25. Upper Container Assembly (RSSK-8E) (Sheet 1 of 2)



63-10262

Figure 10-25. Upper Container Assembly (RSSK-8E) (Sheet 2 of 2)

NAVAIR 13-1-6.3-1

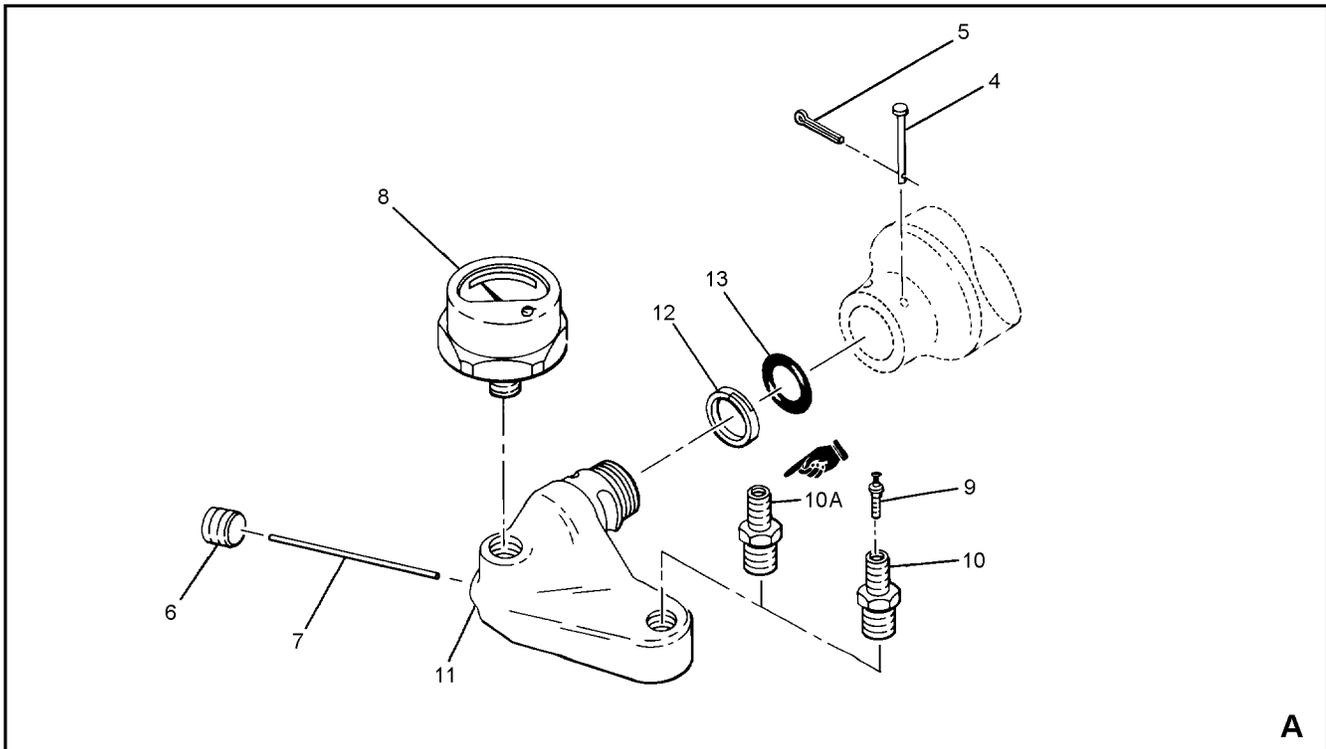
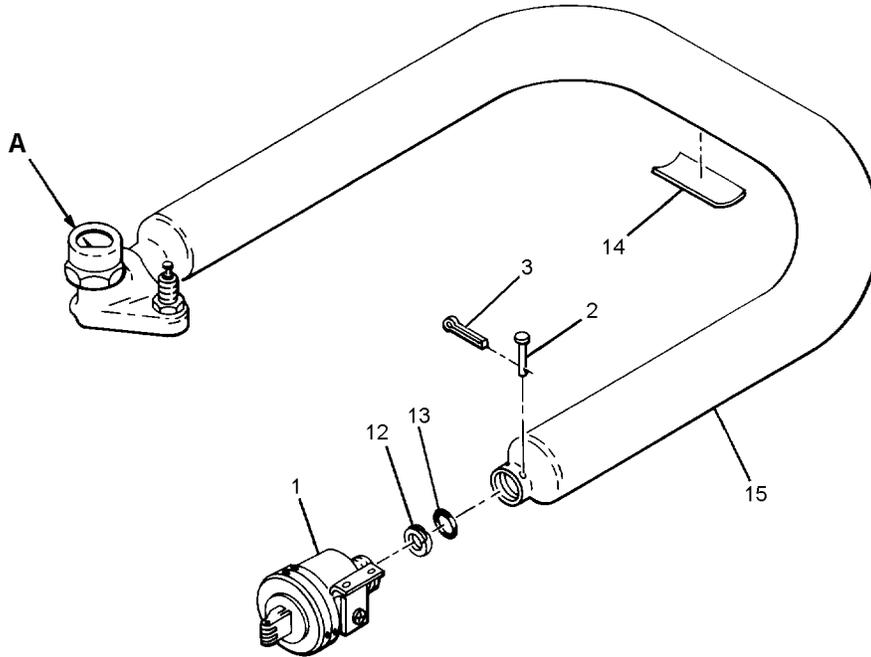
| Figure and Index Number | Part Number | Description 1 2 3 4 5 6 7 | Units Per Assembly | Usable On Code |
|-------------------------|--------------|------------------------------------------------|--------------------|----------------|
| | | | | |
| 10-25 | 102J200-9 | CONTAINER ASSEMBLY, Upper | REF | |
| | | (See figure 10-24 for NHA) | | |
| -1 | 102D300-5 | . OXYGEN SUPPLY ASSEMBLY | 1 | |
| | | (See figure 10-26 for BKDN) | | |
| | | (ATTACHING PARTS) | | |
| -2 | MS21104C24 | . CLAMP | 4 | |
| -3 | 102C208-17 | . SPACER (0.18 thick) | 1 | |
| -4 | 102C208-19 | . SPACER (0.16 thick) | 1 | |
| -5 | MS51958-65 | . SCREW, Panhead (10-32 x 0.75 lg) | 4 | |
| -6 | AN515C4R7 | . SCREW, Round head (4-40 x 0.437 lg) | 2 | |
| -7 | AN960C10L | . WASHER, Flat (0.016 thick) | 4 | |
| -8 | AN960C4L | . WASHER, Flat (0.016 thick) | 2 | |
| -9 | EW42001 | . NUT, Cap (10-32) | 4 | |
| -10 | MS21043-04 | . NUT, Self locking | 2 | |
| | | ---*--- | | |
| -11 | 102C353-1 | . TUBE ASSEMBLY, Reducer-to-manifold | 1 | |
| -12 | 102C354-1 | . TUBE ASSEMBLY, Ship-to-manifold | 1 | |
| | | (ATTACHING PARTS) | | |
| -13 | MS21104C4 | . CLAMP | 1 | |
| -14 | MS51958-64 | . SCREW, Panhead (10-32 x 0.63 lg) | 1 | |
| -15 | AN960C10L | . WASHER, Flat (0.016 thick) | 1 | |
| -16 | EW42001 | . NUT, Cap (10-32) | 1 | |
| | | ---*--- | | |
| -17 | 102C355-1 | . TUBE ASSEMBLY, Kit-to-manifold | 1 | |
| | | (ATTACHING PARTS) | | |
| -18 | MS21104C4 | . CLAMP | 2 | |
| -19 | MS51958-64 | . SCREW, Panhead (10-32 x 0.63 lg) | 1 | |
| -20 | MS27039C1-09 | . SCREW, Panhead (10-32 x 0.594 lg) | 1 | |
| -21 | AN960C10L | . WASHER, Flat (0.016 thick) | 2 | |
| -22 | MS21043-3 | . NUT, Self locking | 1 | |
| -23 | EW42001 | . NUT, Cap (10-32) | 1 | |
| | | ---*--- | | |
| -24 | 102A322-11 | . ELBOW, Bulkhead, O ₂ inlet | 1 | |
| | | (ATTACHING PARTS) | | |
| -25 | MS35333-77 | . WASHER, Lock | 1 | |
| -26 | AN924-4D | . NUT | 1 | |
| | | ---*--- | | |
| -27 | 102C324-11 | . ELBOW, Bulkhead, O ₂ outlet | 1 | |
| | | (ATTACHING PARTS) | | |
| -28 | MS35333-78 | . WASHER, Lock | 1 | |
| -29 | AN924-5D | . NUT | 1 | |
| | | ---*--- | | |
| -30 | 102C329-11 | . PLATE, Hose | 1 | |
| | 102C365-3 | . CROSS MANIFOLD ASSEMBLY | 1 | |

| Figure and Index Number | Part Number | Description | Units Per Assembly | Usable On Code |
|-------------------------|--------------|-------------------------------------------------------------------------------|--------------------|----------------|
| | | | | |
| 10-25-31 | AN815-4D | . . UNION | 2 | |
| -32 | EW63003 | . . VALVE, Check | 1 | |
| -33 | EW63004 | . . VALVE, Relief | 1 | |
| -34 | MS9068-012 | . . O-RING (Note 1) | 4 | |
| -35 | AN937D4 | . . CROSS, Internal screw thread | 1 | |
| -36 | 230C535-13 | . LATCH, Lid (ATTACHING PARTS) | 3 | |
| -37 | MS51958-64 | . SCREW, Panhead (10-32 x 0.63 lg) (Note 2) | 6 | |
| -38 | AN960C10L | . WASHER, Flat (0.016 thick) | 1 | |
| -39 | 230C536-11 | . SHIM, Tapered ---*--- | 1 | |
| -40 | 102D125-1 | . HINGE, LH (ATTACHING PARTS) | 1 | |
| -41 | MS20470AD3-8 | . RIVET (0.094 dia x 0.50 lg) ---*--- | 3 | |
| -42 | 102D125-3 | . HINGE, RH (ATTACHING PARTS) | 1 | |
| -43 | MS20470AD3-8 | . RIVET (0.094 dia x 0.50 lg) ---*--- | 4 | |
| -44 | 102C280-1 | . PLUG AND CAP ASSEMBLY | 1 | |
| -45 | MS27983-3N | . FASTENER, Stud | 7 | |
| -46 | MS27983-5N | . FASTENER, Eyelet (ATTACHING PARTS FOR INDEX NOS. 45 AND 46) | 7 | |
| -47 | EW41004 | . SCREW, Panhead (0.375 lg) | 7 | |
| -48 | NAS620C5L | . WASHER, Flat (0.128 id x 0.238 od) ---*--- | 7 | |
| -49 | EW58001 | . HOLE PLUG | 1 | |
| -50 | 221B710-11 | . HANDLE, Carrying (ATTACHING PARTS) | 1 | |
| -51 | MS20470A4-8 | . RIVET | 4 | |
| -52 | 221B711-11 | . RETAINER, Handle | 2 | |
| -53 | AN960C4L | . WASHER, Flat (0.016 thick) ---*--- | 4 | |
| -54 | 102B328-11 | . PLUG, Protective | 1 | |
| -55 | 102B334-11 | . PLUG, Protective | 1 | |
| | 102C325-1 | . LANYARD ASSEMBLY, Oxygen release | 1 | |
| -56 | 102C364-3 | . . COUPLING ASSEMBLY, Upper | 1 | |
| -57 | 102C363-1 | . . COUPLING ASSEMBLY, Lower | 1 | |
| -58 | MS24665-83 | . PIN, Cotter | 1 | |
| | 102D392-1 | . OXYGEN RELEASE ASSEMBLY (ATTACHING PARTS) | 1 | |
| -59 | AN515C4R5 | . SCREW, Round head (4-40 x 0.312 lg) (Note 2) | 1 | |

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| Figure and Index Number | Part Number | Description | Units Per Assembly | Usable On Code |
|-------------------------|-------------|-----------------------------------------------------|--------------------|----------------|
| | | | | |
| 10-25-60 | AN515C4R7 | . SCREW, Round head (4-40 x 0.437 lg) (Note 2) ... | 1 | |
| -61 | AN515C4R8 | . SCREW, Round head (4-40 x 0.50 lg) (Note 2) | 1 | |
| -62 | AN960C4L | . WASHER, Flat (0.016 thick) (Note 2) | 3 | |
| | | ---*--- | | |
| -63 | 102C389-11 | . . COVER, Pulley | 1 | |
| -64 | MS24693-53 | . . SCREW, Flat head (4-40 x 0.312 lg) (Note 2) ... | 1 | |
| -65 | MS18063-1 | . . SCREW, Set (4-40 x 0.125 lg) | 1 | |
| -66 | 102C388-11 | . . ADJUSTER | 1 | |
| -67 | MS9164-006 | . . PIN (0.140 x 0.50 lg) | 1 | |
| -68 | 102C391-11 | . . PULLEY | 2 | |
| -69 | 102C336-1 | . . CABLE ASSEMBLY, Manual O ₂ | 1 | |
| -70 | 102C395-3 | . . LINK ASSEMBLY | 1 | |
| -71 | 102D393-11 | . . HOUSING, Machined | 1 | |
| -72 | 217D227-1 | . HARNESS ASSEMBLY, LH | 1 | |
| -73 | 217D227-2 | . HARNESS ASSEMBLY, RH | 1 | |
| | | (ATTACHING PARTS FOR INDEX NOS. FOR 72 AND 73) | | |
| -74 | 217B221-11 | . PIN | 2 | |
| -75 | 217B222-11 | . ROLLER | 2 | |
| -76 | 102B648-11 | . SCREW (2.56 X 0.66 lg Crest) | 2 | |
| -77 | MS51958-63 | . SCREW, Panhead (10-32 x 0.50 lg) | 4 | |
| -78 | 102C101-13 | . BRACKET, Footman | 2 | |
| -79 | EW42010 | . NUT, Lock | 2 | |
| | | ---*--- | | |
| -80 | 184C100-1 | . ADJUSTER, Lapbelt (30941) | 2 | |
| -81 | 015-11365-1 | . RELEASE ASSEMBLY, Lapbelt | 2 | |
| | | (99449) (Note 3) | | |
| -82 | 217C223-11 | . BRACKET, Corner LH | 1 | |
| -83 | 217C223-12 | . BRACKET, Corner RH | 1 | |
| | | (ATTACHING PARTS FOR INDEX NOS. 82 AND 83) | | |
| -84 | MS51958-64 | . SCREW, Panhead (10-32 x 0.625 lg) | 5 | |
| -85 | AN960C10L | . WASHER, Flat (0.016 thick) | 5 | |
| -86 | 102C241-13 | . BACKPLATE, LH | 1 | |
| -87 | 102C241-14 | . BACKPLATE, RH | 1 | |
| -88 | EW42001 | . NUT (10-32) | 5 | |
| | | ---*--- | | |
| -89 | 102C647-13 | . LUG, Release | 2 | |
| | | (ATTACHING PARTS) | | |
| -90 | 102B646-11 | . PIN, Lug | 1 | |
| -91 | EW42004 | . NUT, Cap | 1 | |
| | | ---*--- | | |

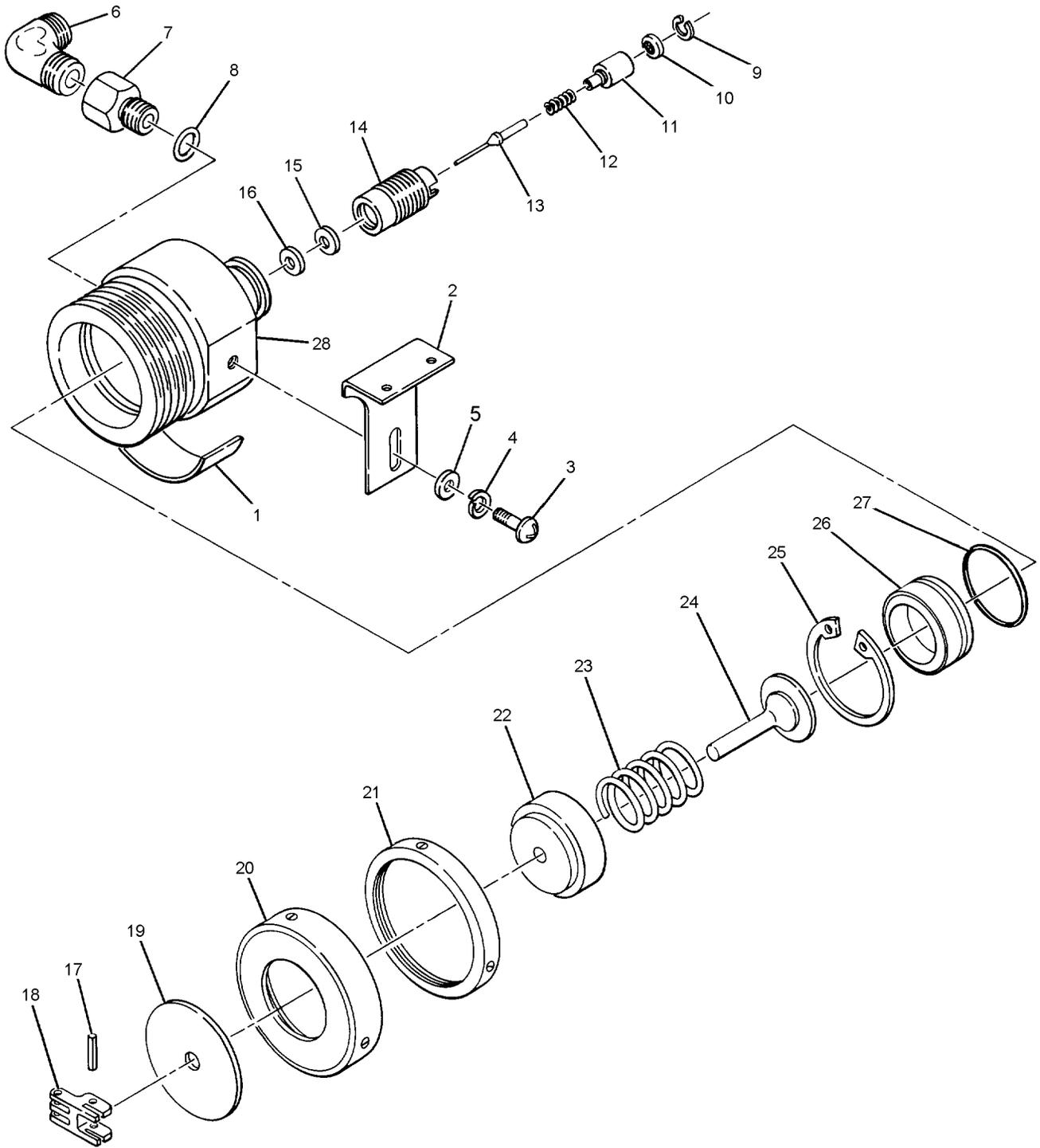
| Figure and Index Number | Part Number | Description | Units Per Assembly | Usable On Code |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------------------------------------|--------------------|----------------|
| | | 1 2 3 4 5 6 7 | | |
| 10-25-92 | 102B242-11 | . PLATE, Reinforcement | 2 | |
| -93 | 102C281-11 | . NUT PLATE | 2 | |
| | | (ATTACHING PARTS) | | |
| -94 | MS20470AD3-5 | . RIVET | 3 | |
| | | ---*--- | | |
| -95 | 204B201-11 | . WINDOW, Pressure gage (Note 4) | 1 | |
| -96 | 102J222-13 | . LID ASSEMBLY, Machined | 1 | |
| Notes: 1. Apply EW34003 lubricant very lightly to O-rings just prior to Assembly. 2. Apply EW31004 to threads. 3. When replacing lapbelt Assembly, apply sealing, locking, and retaining compound, MIL-S-22473, to shoulder screws. 4. Bond with Epoxy lite No. 815 or equivalent. | | | | |



010026

Figure 10-26. Oxygen Supply Assembly (RSSK-8E)

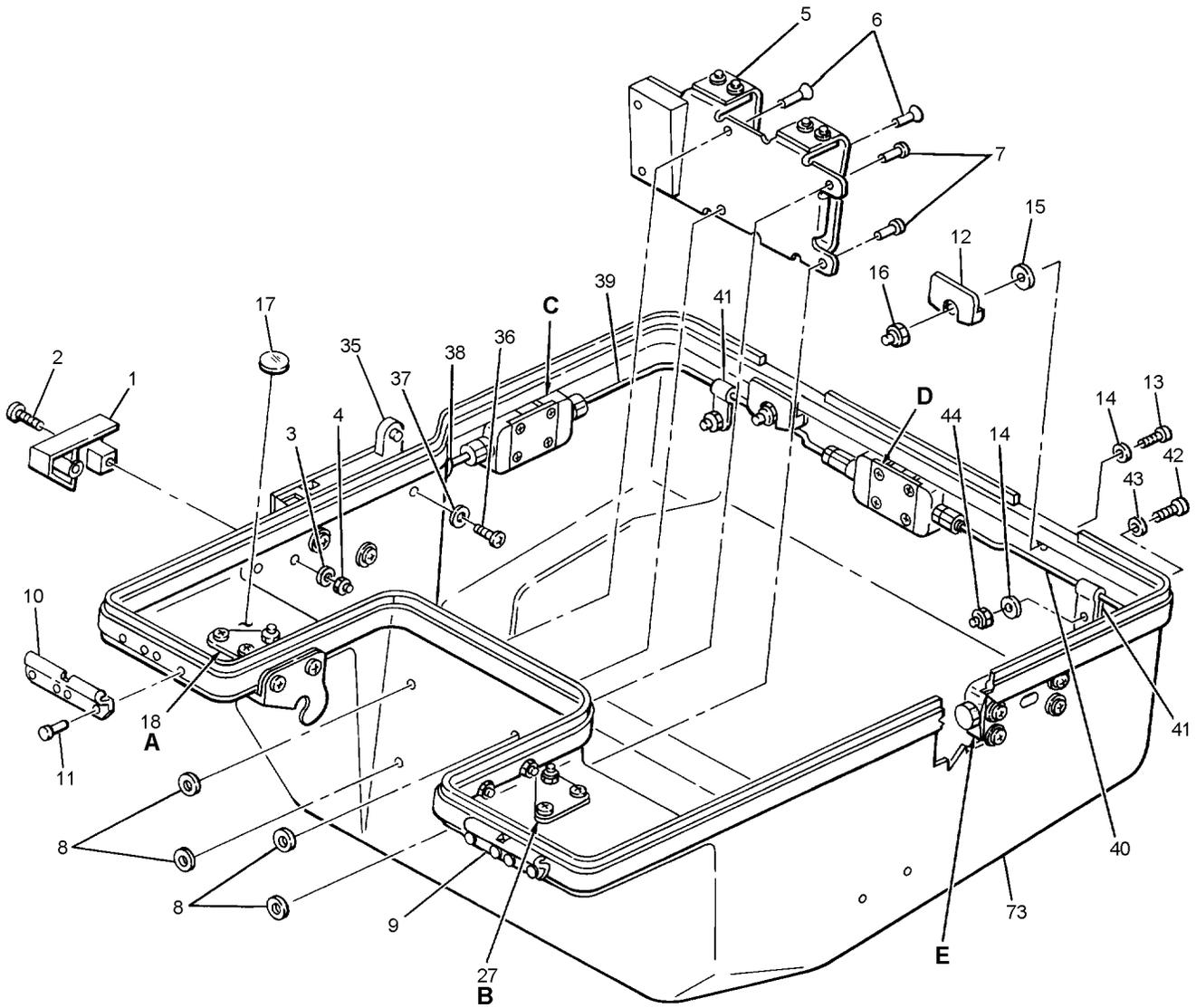
| Figure and Index Number | Part Number | Description 1 2 3 4 5 6 7 | Units Per Assembly | Usable On Code |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------------------------------|--------------------|----------------|
| | | | | |
| 10-26 | 102D300-5 | OXYGEN SUPPLY ASSEMBLY | REF | |
| -1 | 233D810-1 | . PRESSURE REDUCER ASSEMBLY | 1 | |
| -2 | 102C702-11 | . PIN (0.153, 0.155 dia) | 2 | |
| -3 | MS24665-1013 | . PIN, Cotter (0.062 dia x 0.43 lg) | 2 | |
| | | ---*--- | | |
| | 102D370-3 | . FILLER GAGE, Manifold Assembly | 1 | |
| | | (ATTACHING PARTS) | | |
| -4 | 102C702-11 | . PIN (0.153, 0.155 dia) | 2 | |
| -5 | MS24665-1013 | . PIN, Cotter (0.062 dia x 0.43 lg) | 2 | |
| | | ---*--- | | |
| -6 | AN932-S1 | . . PLUG (Note 1) | 1 | |
| -7 | 102C321-11 | . . FILTER ELEMENT (Fill gage manifold) | 1 | |
| -8 | EW68001 | . . GAGE, Oxygen (Note 1) | 1 | |
| -9 | EW63001 | . . VALVE CORE | 1 | |
| -10 | 102C383-11 | . . VALVE BODY (Note 1) | 1 | |
| | MS22066-1 | . . VALVE BODY (Alternate for 102C383-11) | 1 | |
| -10A | 9120097-27 | . . FILL VALVE (Note 3) | 1 | |
| -11 | 102D319-13 | . . MANIFOLD BODY, Machined | 1 | |
| -12 | MS28774-014 | . BACK-UP RING | 1 | |
| -13 | NAS1611-014 | . O-RING (0.070 x 0.489 id) (Note 2) | 2 | |
| -14 | 102B833-11 | . LABEL | 1 | |
| -15 | 102D832-1 | . TUBE ASSEMBLY | 1 | |
| Notes: 1. Use Teflon Tape MIL-T-27730. 2. Apply light film of EW34001 fluorinated grease to O-rings. 3. Fill Valve can be used as an alternate to replace Valve Body P/N 102C363-11 or P/N MS22066-1 and Valve Core P/N EW63001. | | | | |



63-1021

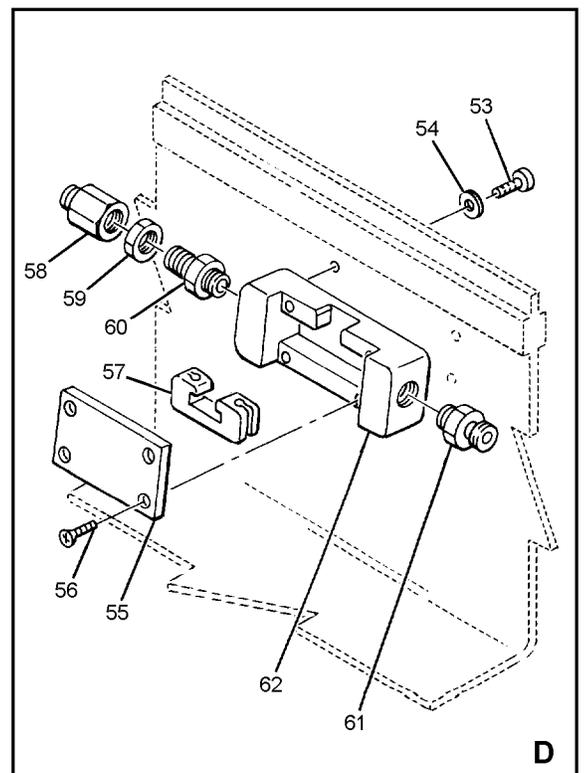
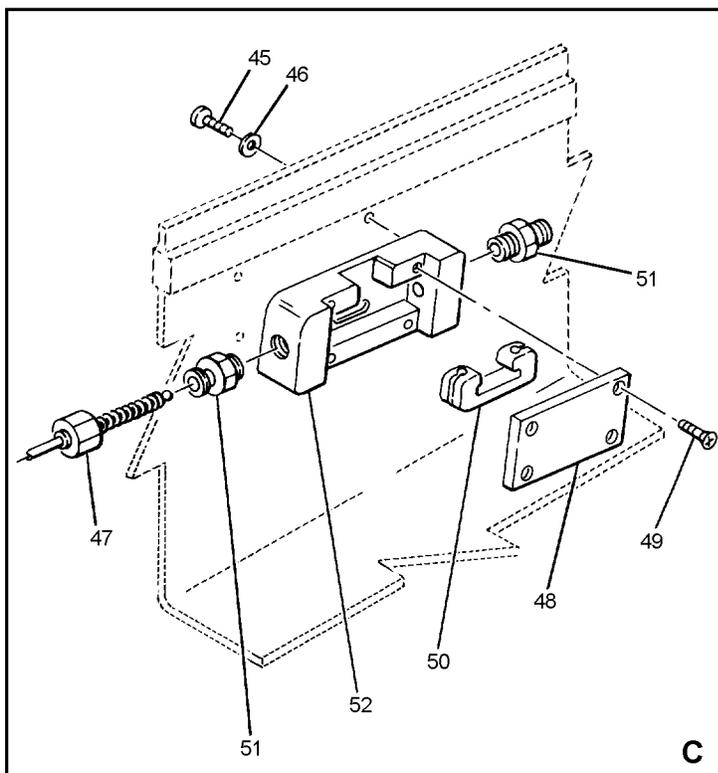
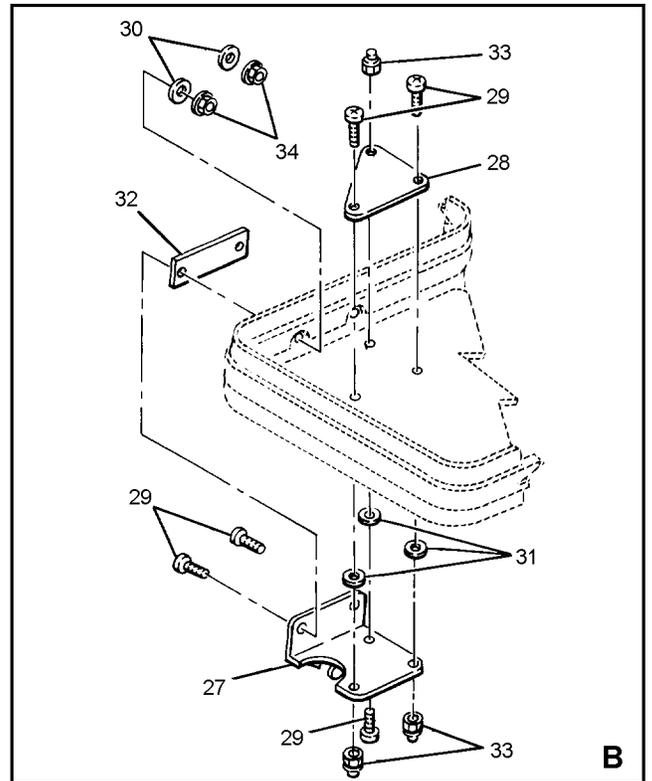
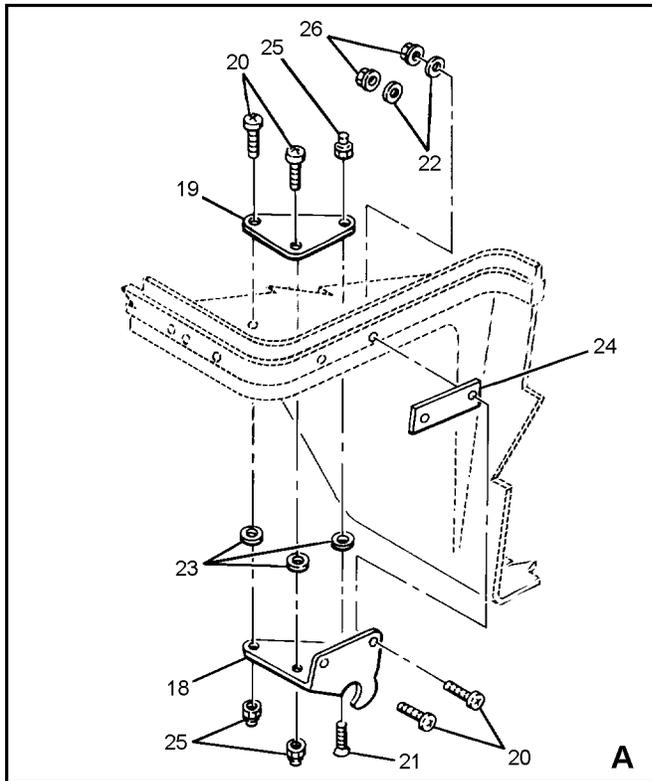
Figure 10-27. Pressure Reducer Assembly (RSSK-8E)

| Figure and Index Number | Part Number | Description | Units Per Assembly | Usable On Code |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------------------------------------------------------------------|--------------------|----------------|
| | | 1 2 3 4 5 6 7 | | |
| 10-27 | 233D810-1 | PRESSURE REDUCER ASSEMBLY, (See figure 10-26 for NHA) | REF | |
| -1 | 233B826-11 | . NAMEPLATE | 1 | |
| -2 | 233C822-11 | . BRACKET | 1 | |
| | | (ATTACHING PARTS) | | |
| -3 | MS51957-26 | . SCREW, Panhead | 1 | |
| -4 | MS35338-136 | . WASHER, Lock spring | 1 | |
| -5 | AN960C6L | . WASHER, Flat | 1 | |
| | | ---*--- | | |
| -6 | MS20822-4C | . ELBOW (Note 1) | 1 | |
| -7 | 102B812-11 | . FITTING, Outlet | 1 | |
| -8 | MS28778-2 | . O-RING (Note 2) | 1 | |
| -9 | MS16625-4025 | . RING, Retaining | 1 | |
| -10 | 102B819-11 | . FILTER (Note 3) | 1 | |
| -11 | 102B818-11 | . GUIDE, Poppet | 1 | |
| -12 | 102B814-11 | . SPRING, Poppet | 1 | |
| -13 | 102B817-11 | . POPPET | 1 | |
| -14 | 102C815-11 | . RETAINER (Note 4) | 1 | |
| -15 | 102B828-11 | . STOP, Backup ring | 1 | |
| -16 | 102B816-11 | . SEAT | 1 | |
| -17 | MS171435 | . SPRING PIN | 1 | |
| -18 | 102C303-15 | . TOGGLE | 1 | |
| -19 | 233B823-11 | . SPACER | 1 | |
| -20 | 233C829-11 | . CAP, Adjust | 1 | |
| -21 | 233C830-11 | . LOCK RING | 1 | |
| -22 | 233C820-11 | . GUIDE, Piston | 1 | |
| -23 | 233B831-11 | . SPRING | 1 | |
| -24 | 102C824-11 | . PLUNGER | 1 | |
| -25 | EW48001 | . RING, Retaining | 1 | |
| -26 | 102C821-11 | . PISTON | 1 | |
| -27 | MS28775-117 | . O-RING (Note 2) | 1 | |
| -28 | 233D811-11 | . REDUCER BODY | 1 | |
| <p>Notes: 1. To assemble pipe threaded parts use Teflon tape 1/2 wide conforming to MIL-T-27730 and apply according to instructions specified in MIL-T-27730.</p> <p>2. Apply light film of EW34001 fluorinated grease to O-rings.</p> <p>3. Install coarse mesh near side.</p> <p>4. Torque retainer 32 to 35 in.-lbs.</p> | | | | |



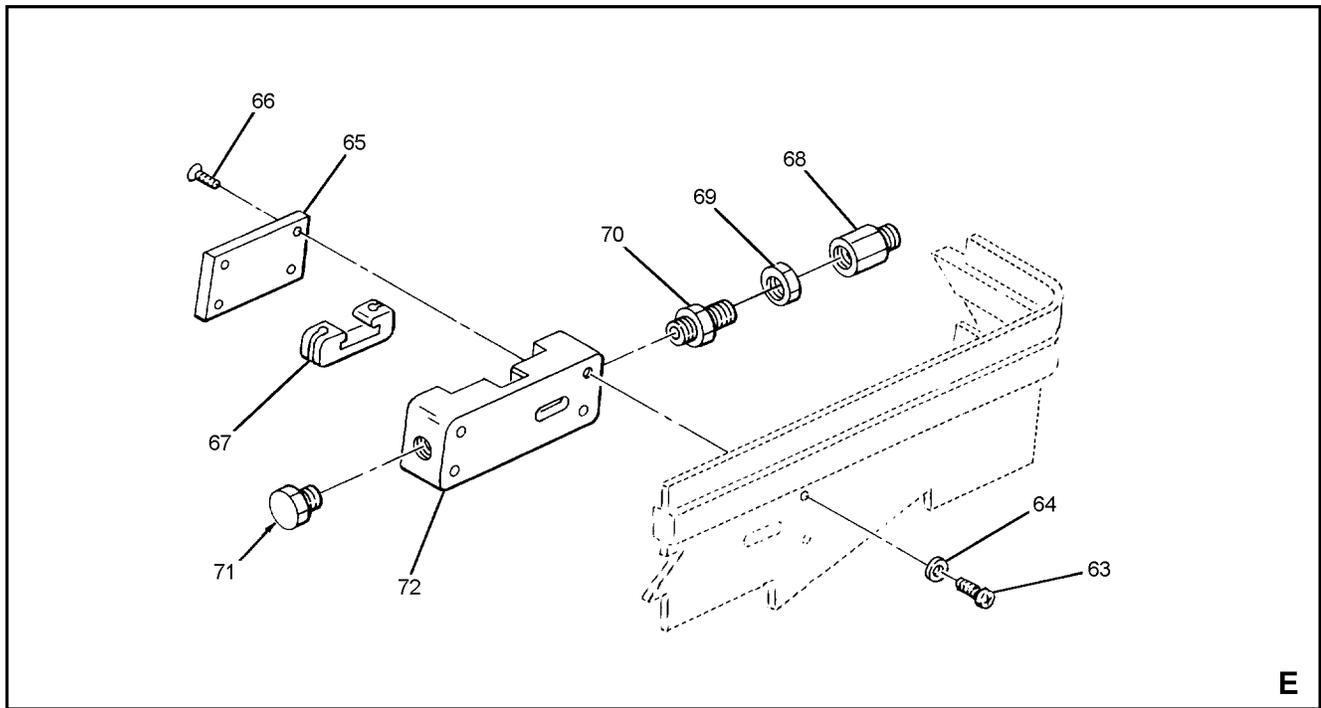
63-10281

Figure 10-28. Lower Container Assembly (RSSK-8E) (Sheet 1 of 3)



63-10282

Figure 10-28. Lower Container Assembly (RSSK-8E) (Sheet 2 of 3)



63-10283

Figure 10-28. Lower Container Assembly (RSSK-8E) (Sheet 3 of 3)

| Figure and Index Number | Part Number | Description | Units Per Assembly | Usable On Code |
|-------------------------|--------------|----------------------------------------------------------------------------------------------------|--------------------|----------------|
| | | 1 2 3 4 5 6 7 | | |
| 10-28 | 102J400-5 | CONTAINER ASSEMBLY, Lower (See figure 10-24 for NHA) (ATTACHING PARTS) | REF | |
| -1 | 234C450-11 | . HANDLE PROTECTOR | 1 | |
| -2 | MS51957-32 | . SCREW, Panhead | 2 | |
| -3 | AN960C6L | . WASHER, Flat | 2 | |
| -4 | EW42008 | . NUT | 2 | |
| | | ---*--- | | |
| -5 | CL204D2-1 | . RADIO BRACKET ASSEMBLY (80206) | 1 | |
| | 102D450-1 | . RADIO BRACKET ASSEMBLY (30941) | 1 | |
| | | (ATTACHING PARTS) | | |
| -6 | MS20426AD4-6 | . RIVET, (0.125 dia x 0.375 lg) | 2 | |
| -7 | MS20470AD4-6 | . RIVET, (0.125 dia x 0.375 lg) | 2 | |
| -8 | AN960C6 | . WASHER, Flat | 4 | |
| | | ---*--- | | |
| -9 | 102D125-13 | . HINGE, Container LH | 1 | |
| -10 | 102D125-17 | . HINGE, Container RH | 1 | |
| | | (ATTACHING PARTS FOR INDEX NOS. 9 AND 10) | | |
| -11 | MS20470AD3-8 | . RIVET (0.094 dia x 0.500 lg) | 4 | |
| | | ---*--- | | |
| -12 | 234C431-11 | . CLIP | 2 | |
| | | (ATTACHING PARTS) | | |
| -13 | MS51958-64 | . SCREW, Panhead | 1 | |
| -14 | AN960C10L | . WASHER, Flat | 2 | |
| -15 | 224B432-11 | . SPACER | 1 | |
| -16 | EW42001 | . NUT, Cap (10-32) | 1 | |
| | | ---*--- | | |
| -17 | 102C406-11 | . PAD (Note) | 1 | |
| -18 | 234D410-13 | . BRACKET, Guide RH | 1 | |
| -19 | 102C401-15 | . BRACKET, Guide bracket | 1 | |
| | | (ATTACHING PARTS FOR INDEX NOS. 18 AND 19) | | |
| -20 | MS51958-64 | . SCREW, Panhead (10-32 x 0.625 lg) | 4 | |
| -21 | MS24693-C273 | . SCREW, Flat head (10-32 x 0.625 lg) | 1 | |
| -22 | AN960C10L | . WASHER, Flat | 2 | |
| -23 | 234C412-13 | . WASHER, Laminated | 3 | |
| -24 | 234C412-11 | . SHIM, Laminated | 1 | |
| -25 | EW42001 | . NUT, Cap (10-32) | 3 | |
| -26 | MS21043-3 | . NUT | 2 | |
| | | ---*--- | | |
| -27 | 234D410-11 | . BRACKET, Guide LH | 1 | |

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| Figure and Index Number | Part Number | Description 1 2 3 4 5 6 7 | Units Per Assembly | Usable On Code |
|-------------------------|-------------|-------------------------------------------------------------------------------------------|--------------------|----------------|
| | | | | |
| 10-28-28 | 102C401-15 | . BACKPLATE, Guide bracket (ATTACHING PARTS FOR INDEX NOS. 27 AND 28) | 1 | |
| -29 | MS51958-64 | . SCREW, Panhead (10-32 x 0.625 lg) | 5 | |
| -30 | AN960C10L | . WASHER, Flat | 2 | |
| -31 | 234C412-13 | . WASHER, Laminated | 3 | |
| -32 | 234C412-11 | . SHIM, Laminated | 1 | |
| -33 | EW42001 | . NUT, Cap (10-32) | 3 | |
| -34 | MS21043-3 | . NUT ---*--- | 2 | |
| -35 | 102D580-1 | . LID LOCK RELEASE ASSEMBLY (See figure 10-22 for BKDN) (ATTACHING PARTS) | 1 | |
| -36 | MS51958-62 | . SCREW, Panhead | 3 | |
| -37 | AN960C10L | . WASHER, Flat ---*--- | 3 | |
| -38 | MS35489-31 | . GROMMET | 1 | |
| -39 | 241D120-1 | . CABLE ASSEMBLY, Right rear | 1 | |
| -40 | 241D110-1 | . CABLE ASSEMBLY, Left rear (ATTACHING PARTS FOR INDEX NOS. 39 AND 40) | 1 | |
| -41 | MS25281-F2 | . CLAMP, Plastic | 2 | |
| -42 | MS51958-62 | . SCREW, Panhead | 2 | |
| -43 | AN960C10L | . WASHER, Flat | 2 | |
| -44 | EW42001 | . NUT, Cap (10-32) ---*--- | 2 | |
| | 102C540-1 | . LOCK ASSEMBLY, Right (ATTACHING PARTS) | 1 | |
| -45 | MS51958-62 | . SCREW, Panhead | 4 | |
| -46 | AN960C10L | . WASHER, Flat ---*--- | 4 | |
| -47 | 102C560-1 | . . CABLE ASSEMBLY, Right | 1 | |
| -48 | 102C523-11 | . . COVER (ATTACHING PARTS) | 1 | |
| -49 | MS24693-53 | . . SCREW, Flathead (4-40 x 0.312 lg) ---*--- | 4 | |
| -50 | 102C521-13 | . . SLIDE | 1 | |
| -51 | 102C527-13 | . . NIPPLE | 2 | |
| -52 | 102C519-1 | . . HOUSING, Machined | 1 | |
| | 102C545-1 | . LOCK ASSEMBLY, Rear (ATTACHING PARTS) | 1 | |
| -53 | MS51958-62 | . SCREW, Panhead | 4 | |
| -54 | AN960C10L | . WASHER, Flat ---*--- | 4 | |

| Figure and Index Number | Part Number | Description | | | | | | | Units Per Assembly | Usable On Code |
|-------------------------|-------------|-----------------------------------|---|------------------------------------|-------|---|---|---|--------------------|----------------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | |
| 10-28-55 | 102C523-11 | . | . | COVER | ..... |  |  |  | 1 | |
| | | | | (ATTACHING PARTS) | | | | | | |
| -56 | MS24693-53 | . | . | SCREW, Flat head (4-40 x 0.312 lg) | ..... |  |  |  | 4 | |
| | | | | ---*--- | | | | | | |
| -57 | 102C521-13 | . | . | SLIDE | ..... |  |  |  | 1 | |
| -58 | 102C525-11 | . | . | ADJUSTER | ..... |  |  |  | 1 | |
| -59 | 102C701-15 | . | . | LOCKNUT | ..... |  |  |  | 1 | |
| -60 | 102C527-11 | . | . | NIPPLE | ..... |  |  |  | 1 | |
| -61 | 102C527-13 | . | . | NIPPLE | ..... |  |  |  | 1 | |
| -62 | 102C519-1 | . | . | HOUSING, Machined | ..... |  |  |  | 1 | |
| | 102C520-3 | . | . | LOCK ASSEMBLY, Left | ..... |  |  |  | 1 | |
| | | | | (ATTACHING PARTS) | | | | | | |
| -63 | MS51958-62 | . | . | SCREW, Panhead | ..... |  |  |  | 4 | |
| -64 | AN960C10L | . | . | WASHER, Flat | ..... |  |  |  | 4 | |
| | | | | ---*--- | | | | | | |
| -65 | 102C523-11 | . | . | COVER | ..... |  |  |  | 1 | |
| | | | | (ATTACHING PARTS) | | | | | | |
| -66 | MS24693-53 | . | . | SCREW, Flat head (4-40 x 0.312 lg) | ..... |  |  |  | 4 | |
| | | | | ---*--- | | | | | | |
| -67 | 102C521-13 | . | . | SLIDE | ..... |  |  |  | 1 | |
| -68 | 102C525-11 | . | . | ADJUSTER | ..... |  |  |  | 1 | |
| -69 | 102C701-15 | . | . | LOCKNUT | ..... |  |  |  | 1 | |
| -70 | 102C527-11 | . | . | NIPPLE | ..... |  |  |  | 1 | |
| -71 | 102C526-11 | . | . | PLUG | ..... |  |  |  | 1 | |
| -72 | 102C519-1 | . | . | HOUSING, Machined | ..... |  |  |  | 1 | |
| -73 | 102J422-11 | . | . | CONTAINER, Machined | ..... |  |  |  | 1 | |
| Notes: | | 1. Apply adhesive No. 460 to pad. | | | | | | | | |

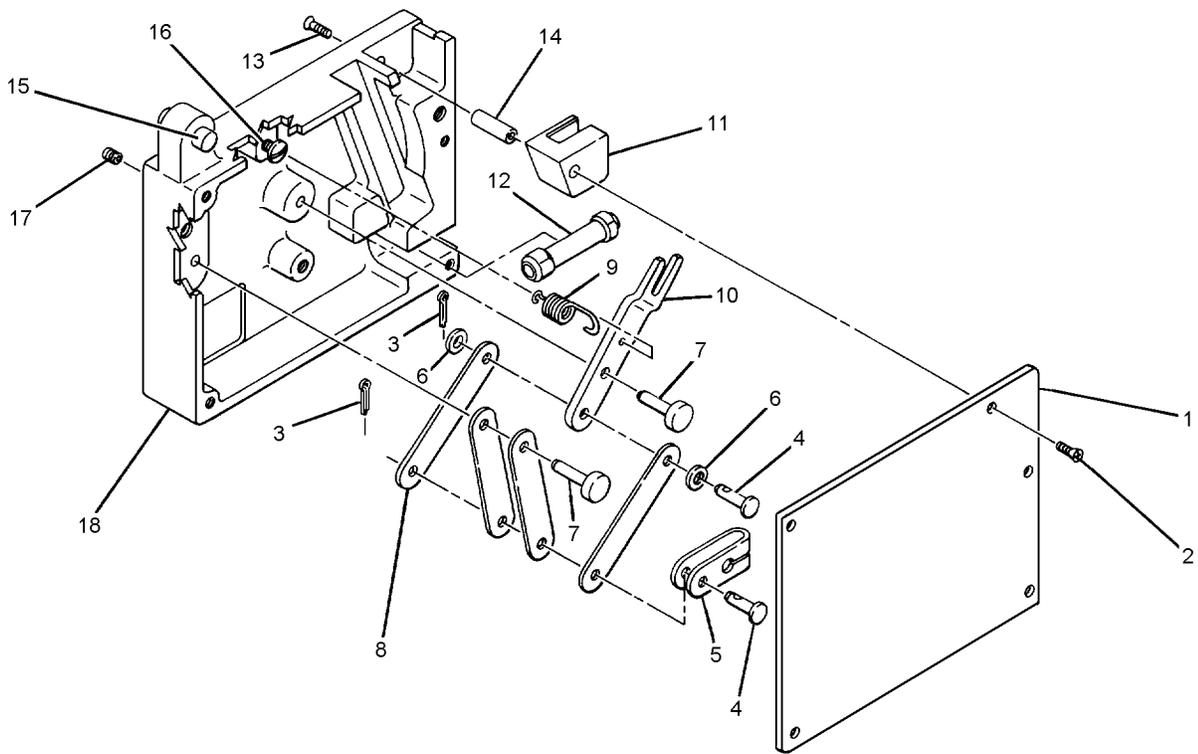


Figure 10-29. Lid Lock Release Assembly (RSSK-8E)

| Figure and Index Number | Part Number | Description | Units Per Assembly | Usable On Code |
|-------------------------|--------------|-------------------------------------------------------------------------------|--------------------|----------------|
| | | 1 2 3 4 5 6 7 | | |
| 10-29 | 102D580-1 | LID LOCK RELEASE ASSEMBLY (See figure 10-28 for NHA) | REF | |
| -1 | 102C597-11 | . COVER (ATTACHING PARTS) | 1 | |
| -2 | MS24693-53 | . SCREW, Flat head (4-40) (Note 1) | 5 | |
| -3 | MS24665-1011 | . PIN, Cotter (0.312 lg) | 2 | |
| -4 | MS9462-05 | . PIN, Clevis | 2 | |
| -5 | 102C581-11 | . CLEVIS | 1 | |
| -6 | AN960-C6 | . WASHER, Flat | 2 | |
| -7 | 102C596-11 | . PIN, Pivot (0.312 dia x 0.60 lg) | 2 | |
| -8 | 102C582-11 | . LINK TOGGLE | 4 | |
| -9 | 102C584-11 | . SPRING, Toggle | 1 | |
| -10 | 102C583-13 | . LEVER, Actuating | 1 | |
| -11 | 102C589-11 | . GUIDE | 1 | |
| -12 | 102C595-11 | . ADJUSTER | 1 | |
| | 102C588-1 | . HOUSING INSERT ASSEMBLY | 1 | |
| -13 | MS24693-53 | . . SCREW (4-40 x 0.312 lg) (Note 1) | 1 | |
| -14 | 102C594-11 | . . STANDOFF | 1 | |
| -15 | MS9390-421 | . . PIN (dia 0.252 x 0.500 lg) | 1 | |
| -16 | COML | . . SCREW (4-40 x 0.312 lg) | 1 | |
| -17 | MS21209F1-15 | . . HELICAL COIL (10-32 x 0.285 lg) | 3 | |
| -18 | 102D587-11 | . . HOUSING, Machined lid lock release | 1 | |
| | | Notes: 1. Loctite sealant grade A or equivalent. | | |

NUMERICAL INDEX

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| AN515-4R7 | 10-20-8 | PAGZZ | | 10-22-46 | |
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| AN515-4R8 | 10-20-55 | PAGZZ | AN960PD4L | 10-20-10 | PAGZZ |
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| AN815-4D | 10-20-30 | PAGZZ | | 10-22-14 | PAGZZ |
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| AN924-4D | 10-20-25 | PAGZZ | CC-101D2-2 | 10-20 | AGGGG |
| | 10-25-26 | | CC-101D2-3 | 10-20-88 | PAGZZ |
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| AN932-S1 | 10-21-6 | PAGZZ | | 10-28-5 | |
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| | 10-25-15 | | EW41004 | 10-25-47 | XBGZZN |
| | 10-25-21 | | EW42001 | 10-24-6 | XBGZZN |
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| | 10-28-64 | | EW42004 | 10-25-91 | XBGZZN |
| AN960C4L | 10-25-8 | | EW42008 | 10-28-4 | |
| | 10-25-53 | | EW42010 | 10-25-79 | XBGZZN |
| | 10-25-62 | | EW48001 | 10-27-25 | XBGZZN |
| AN960C6 | 10-23-6 | | EW58001 | 10-25-49 | XBGZZN |
| | 10-29-6 | | EW62002 | 10-21-14 | |
| | 10-28-8 | | EW63001 | 10-21-9 | |
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| AN960PD10L | 10-20-9 | PAGZZ | EW63004 | 10-20-32 | |
| | 10-20-20 | | | 10-25-33 | |
| | 10-20-37 | | EW68001 | 10-21-8 | |
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