# CHAPTER 15

# MULTI-PLACE LIFERAFT (MPLR), LRU-34/A (20-MAN)

# (V-22 LIFERAFT SYSTEM)

## Section 15-1. Description

### 15-1. GENERAL.

15-2. The MPLR are multi-place liferafts intended for use by aircrewmembers and passengers forced down at sea. The liferafts come in three sizes: 8-man, 12-man, and 20-man. MPLR have a 50 percent over-capacity rating, the LRU-34/A has survival provisions for 28 persons; thereby allowing it to be used at its maximum capacity. The MPLR are replacement liferafts for the older LRU-13/14/15 series liferafts.

### 15-3. CONFIGURATION.

15-4. The LRU-34/A 20-Man V-22 Liferaft System (figure 15-1) consists of a dual tube, non-reversible liferaft with a self-erecting canopy, an accessory container and liferaft carrying case. A foam block with cable guides and cables for left and right wing installation are also provided. Two retaining straps with frangible links, which break when the liferaft is actuated help maintain the form of the folded liferaft. The liferaft is constructed of urethane-coated nylon with thermo-bonded seams. The liferaft design incorporates a self-erecting canopy, an inflation system with a non-shatterable gas cylinder, an insulated floor, self-inflating boarding ramps, and two water-activated lights (one inside and one outside). Other features include attached ballast bags, sea anchor, and rain water collector.

15-5. The accessory container does not include survival items when received from the manufacturer. Survival items will be placed in the container during the Place-In-Service Inspection. The accessory container is not folded inside the liferaft, it is placed on top of the raft in the carrying case. The accessory container is secured to the liferaft using a white nylon retaining line. The accessory container must be pulled into the liferaft after boarding.

15-6. The liferaft carrying case consists of three parts; the outer container is constructed using urethane coated nylon cloth. The liferaft is placed in a polymer tub and a polymer cover is placed over the tub and secured with frangible links. This clam-shell type assembly separates during the inflation process. The actuation/mooring line and the survival equipment container tether line pass through rubber grommets in the polymer tub and cover, which pull free during the inflation process. With the liferaft and accessory container installed, the carrying case is held securely closed with a daisy chain opening system secured on the ripcord end by a single ripcord pin. There is also a pocket for the manufacturer's maintenance record, which must be kept with the liferaft, this card is only used by the vendor and must be returned with the raft during maintenance.

### 15-7. APPLICATION.

15-8. The LRU-34/A MPLR is only authorized for use in V-22 aircraft.

### 15-9. FUNCTION.

**NOTE**

Instructions for installing the LRU-34/A into the V-22 liferaft stowage compartment are located in the applicable aircraft MIMS.

15-10. The LRU-34/A is inflated by pulling on the liferaft ripcord handle located at the end of the liferaft container. The ripcord handle, actuation/mooring line and snap hook are stowed in a pocket with a red flap. To actuate, unsnap the flap holding the ripcord, locate the snap hook attached to the front of the red flap, the snap hook is secured to the bitter end of the liferaft actuation/mooring line and should be connected to the aircraft or a survivor prior to deployment. If attached to the aircraft, the retaining line will separate from the raft when the aircraft sinks. The sea anchor should be deployed as soon as possible to limit drifting from the area where the aircraft ditched. The survival equipment container retaining line should be located and the container should be hoisted into the liferaft immediately after all survivors are on board.

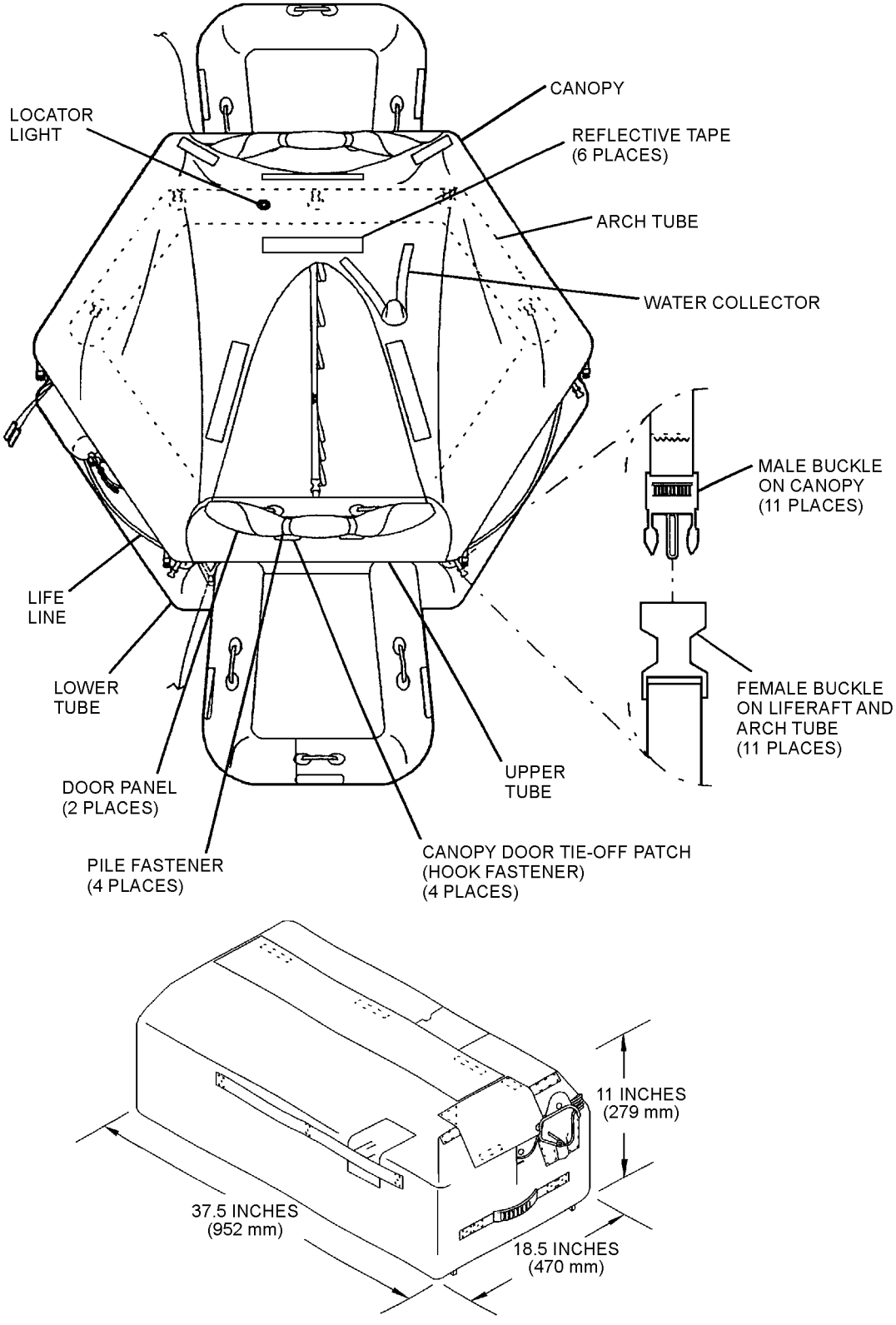


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**Figure 15-1. LRU-34/A Liferaft**

# Section 15-2. Modifications

## 15-11. GENERAL.

15-12. There are no authorized modifications to the LRU-34/A at this time.

# Section 15-3. Maintenance

## 15-13. GENERAL.

15-14. This section contains information on inspection, packing, and repair/replacement of the LRU-34/A.

## 15-15. INSPECTION.

15-16. All LRU-34/A assemblies shall be subjected to Place-In-Service, Daily/Preflight, 448-Day Inspection, Acceptance, and Five Year Vendor Repack Inspections.

15-17. The Place-In-Service Inspection shall be performed on all new assemblies or assemblies being returned from vendor repair or repack. The Aircraft Intermediate Maintenance Department shall perform this inspection.

15-18. The Daily/Preflight shall be performed on fuselage-installed liferafts prior to the first flight of the day. This inspection shall be performed by line personnel (plane captain or delegated aircrewmember) who have been designated, instructed and found qualified by the aviator's equipment branch.

**NOTE**

The inspection cycle of the LRU-34/A is limited by the installed survival equipment. The inspection cycle may be adjusted to match the aircraft inspection, however, it shall not exceed the service life of the installed radio batteries or 448 days, whichever occurs first.

15-19. The 448-Day Inspection shall be performed at the AIMD. The interval for the LRU-34/A shall not exceed 448 days; in no case shall the cycle go beyond the service life of the installed radio batteries.

15-20. Acceptance Inspection shall be performed in accordance with applicable MIMS and as directed during aircraft transfer.

15-21. Five Year Vendor Repack Inspection shall be performed every five years. The AIMD and designated vendor perform this inspection.

**15-22. QUALITY ASSURANCE.** The procedures detailed present a logical sequence for proper inspection. Quality assurance steps are provided for critical operations. When a step is underlined, the Aircrew Survival Equipmentmen shall perform the operation, then have performance verified by a Quality Assurance Representative (CDI, CDQAR, or QAR) prior to proceeding to the next operation. Work center supervisors are primarily responsible for quality assurance and in accordance with OPNAVINST 4790.2 Series may nominate experienced personnel in their work center to be screened and examined by the Quality Assurance Officer prior to their designation by the Commanding Officer as a Collateral Duty Inspector. In no case shall an Aircrew Survival Equipmentman perform his own quality assurance inspection. Procedures for quality assurance are listed following major operations.

**15-23. PLACE-IN-SERVICE INSPECTION.** To perform the Place-In-Service Inspection, proceed as follows:

Materials Required

| Quantity | Description | Reference Number |
|---|---|---|
| As Required | Thread, Nylon, Size E | V-T-295 NIIN 00-204-3884 |

1. Carefully remove liferaft from shipping container. Place the liferaft on a clean flat surface. Save the shipping container if possible, for future use. Should the liferaft have to be returned for warranty repairs or five-year repack the original container provides excellent form fit protection.

2. Inspect the outer carrying case and attached hardware for wear, cuts, tears, attachment and defects.

**CAUTION**

Pulling on ripcord handle or the attached actuation/mooring line will inflate liferaft.

3. Open the carrying case by unsnapping the snap and separating the hook and pile fasteners on the protective flaps. Cut and remove the safety tie on the single ripcord pin, then remove the pin and unlace the daisy chain. Unsnap the red ripcord keeper flap and place ripcord handle and actuation/mooring line next to carrying case.

4. Locate the accessory container on top of the liferaft assembly. It has a white nylon retaining line tied to the handles. This retaining line is attached to the liferaft, and enters the tub at the opposite end of the mooring/actuation line. Remove the accessory container.

5. Untie and remove the white nylon retaining line from the accessory container handles. Place the required survival items listed in table 15-1 in the accessory container in accordance with paragraph 15-30.

**NOTE**

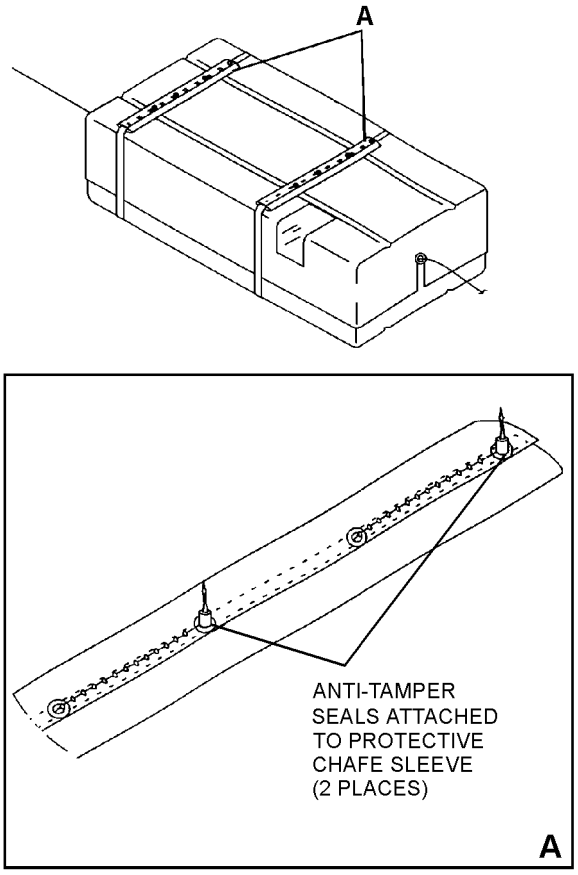
Do not remove the frangible links or the cover for the polymer tub which the liferaft is stowed in.

6. Verify the charge in the carbon dioxide cylinder by checking the sight gauge located on the inflation valve. The sight gauge is visible through the clear window located in the cover on the polymer tub. The indicator should be in the green. If the indicator is in the red on the gauge submit a QDR in accordance with OPNAVINST 4790.2 Series.

7. Verify the charge in the carbon dioxide cylinder by checking the sight gauge located on the valve. The indicator should be in the green. If the indicator is in the red on the gauge submit a QDR in accordance with OPNAVINST 4790.2 Series.

8. Verify the serial number of the liferaft against the manufacturer's maintenance record card located in the pocket found on the top of the carrying case. The serial number for the liferaft is found in two locations, on the polymer tub cover and the carrying case. Note that the manufacturer's record remains with the liferaft at all times.

9. Locate the two liferaft retaining straps that encircle the polymer tub. The straps have urethane coated nylon covers, which protect the frangible links. The covers are secured with hook and pile fasteners and two nylon anti-tamper seals routed through grommets. Inspect the integrity of the anti-tamper seals. If the anti-tamper seals are damaged or broken, submit a QDR in accordance with the OPNAVINST 4790.2 Series.




**Step 9 - Para 15-23**

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10. Pack carrying case in accordance with paragraph 15-31.

**15-24. DAILY/PREFLIGHT INSPECTION.** To perform a Daily/Preflight Inspection, proceed as follows:

1. The Daily/Preflight Inspection on fuselage-installed liferafts shall be accomplished prior to the first flight of the day.

**NOTE**

Do not break any safety ties or remove ripcord during daily inspection.

2. Inspect carrying case for damage, cuts and attachment of hardware.

3. Open ripcord pin and daisy chain covers and inspect for integrity of ripcord pin safety tie and daisy chain lacing. Close ripcord pin and daisy chain covers, ensure snaps are snapped and hook and pile fasteners are engaged.

**Table 15-1. MPLR Survival Items**

| Description | Quantity Required | Reference Number | NIIN | SM&R Code |
|---|---|---|---|---|
| Sea Dye Marker | 8 | MIL-S-17980 | 00-270-9986 | PAOZZ |
| Distress Signal, MK-124 MOD 0<br>or<br>Signal Kit, MK-189 MOD 0 (Note 1) | 10<br><br>1 | DL 313734<br><br>— | 01-030-8330<br><br>L564-1370-01-418-2657 | —<br><br>— |
| Water Storage Bag | 7 | MIL-B-8571 | 00-485-3034 | PAOZZ |
| Water, Drinking, Bagged, Emergency (Note 2) | 70 | — | 01-124-4543 | PAOZZ |
| First Aid Kit | 2 | SC-C-6545-IL | 00-922-1200 | — |
| Sunburn Preventative Preparation<br>or<br>Sunscreen and Insect Repellent (Sunscreen) (Note 3) | 3<br><br>84 | MIL-S-37800<br><br>— | 01-121-2336<br><br>01-452-9582 | PAOZZ<br><br>— |
| Food Packet, Liferaft | 28 | MIL-F-15281 | 01-028-9406 | PAOZZ |
| Bailing Sponge | 6 | L-S-626 | 00-240-2555 | PAOZZ |
| Combat Casualty Blanket Type I | 3 | MIL-B-36964 | 00-935-6665 | PAOZZ |
| Hand Generated Flashlight A-9 (Note 4) | 1 | MIL-F-8209 | 00-283-9806 | PAOZZ |
| Flare Gun MK-79 MOD 0 (Note 1) | 2 | — | 00-866-9788 | PAOZZ |
| Signal Light (Strobe) SDU-5/E or SDU-39/N | 1 | MIL-L-38217 | 00-067-5209<br>00-411-8535 | PAOZZ<br>PAOZZ |
| Light, Chemical | 2 | 95277-80 | 01-334-4274 | PAOZZ |
| Signal Mirror, Type I (Note 8) or Signal Mirror, Type II | 1 | MIL-M-18371 | 00-105-1252<br>01-455-6695<br>01-455-6671 | PAOZZ<br>PAOZZ<br>PAOZZ |
| Survival Radio (Note 5) | 1 | — | — | — |
| Code Card (Note 6) | 1 | — | — | — |
| Whistle, Type II | 1 | MIL-W-1053 | 00-254-8803 | PAOZZ |
| Compass, Pocket<br>or<br>Compass, Wrist (Note 7) | 1<br><br> | MIL-C-17850<br><br>WCC-100 | 00-515-5637<br><br>00-809-5252 | PAOZZ<br><br>PAOZZ |
| Pocket Knife | 1 | MIL-K-818 | 00-162-2205 | PAOZZ |
| Cord, Nylon, Utility, 50 feet | 1 | MIL-C-5040 | 00-240-2154 | PAOZZ |

**Table 15-1. MPLR Survival Items (Cont)**

| Description | Quantity Required | Reference Number | NIIN | SM&R Code |
|---|---|---|---|---|

Notes:
1. MK-189 MOD 0 Signal Kit contains (6) MK-124 MOD 0 Day/Night Flares and (2) MK-79 MOD 0 Flare Guns, is authorized to fill requirements for both type flares.
2. Due to size constraints MROD is not utilized in the LRU-34/A. Water requirements are filled with bagged water only.
3. Sunsect requirements are (3) 0.3 fl. oz. packets per person.
4. Required for arctic missions; optional elsewhere.
5. Survival Radio and Radio beacon requirements shall be in accordance with OPNAVINST 3710.7 Series. Following radios apply: Voice Beacon: AN/PRC-90 and AN/PRC-149. Beacon only: AN/URT-33, AN/PRT-5, AN/PRC-140. The AN/PRC-149 will become the preferred radio when available and when used fills the requirements for voice and beacon.
6. Code Cards must be copied from NAVAIR 13-1.6.5.
7. Use MIL-C-17850 until depleted, then WCC-100.
8. The Type II mirror (large) shall be utilized in lieu of the Type I mirror (small) until stock of the Type II mirror is depleted.

4. Make necessary entries on appropriate form(s) in accordance with the OPNAVINST 4790.2 Series.

**15-25. 448-DAY INSPECTION.** To perform a 448-Day Inspection, proceed as follows:

**NOTE**

The inspection cycle of the LRU-34/A is limited by the installed survival equipment. The inspection cycle may be adjusted to the inspection cycle of the aircraft in which it is installed, i.e. ISIS, Phase. However, it shall not exceed the service life of the installed radio batteries or 448 days, which ever occurs first.

1. Inspect the outer carrying case and attached hardware for wear, cuts, tears, attachment and defects. See paragraph 15-34 for authorized repairs.

**NOTE**

Should the polymer tub need to be removed for cleaning or repair of the carrying case, see paragraph 15-32.

2. Inspect carrying case for dirt and lubricants. Clean carrying case in accordance with paragraph 15-35.

**CAUTION**

Pulling on ripcord handle or the attached actuation/mooring line will inflate liferaft.

3. Open the carrying case by unsnapping the snaps and separating the hook and pile fasteners on the protective flaps. Cut and remove the safety tie on the single ripcord pin, then remove the pin and unlace the daisy chain. Unsnap the red ripcord keeper flap and place ripcord handle and actuation/mooring line next to carrying case.

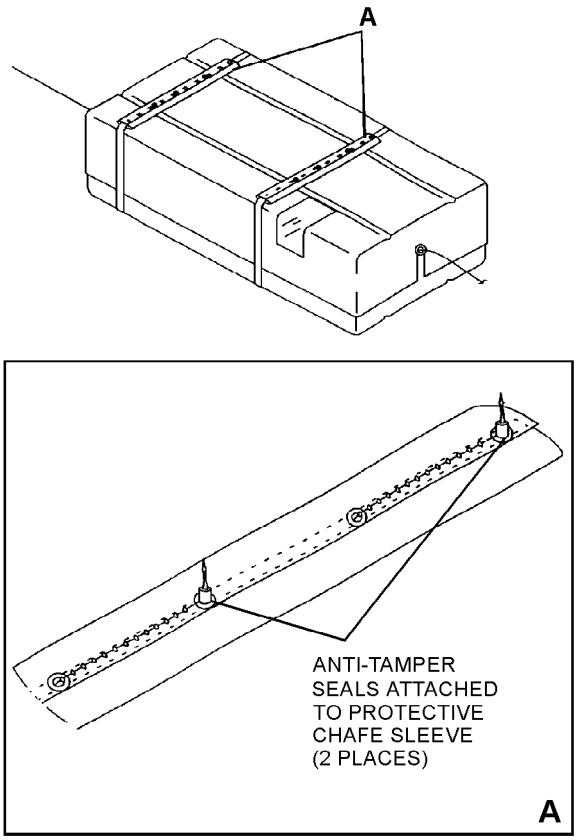
4. Locate the accessory container on top of the liferaft assembly. It has a white nylon retaining line tied to the handles. This retaining line is attached to the liferaft, and enters the tub opposite end of the mooring/actuation line. Remove the accessory container and place it next to the liferaft assembly.

5. Untie and remove the white nylon retaining line from the accessory container handles. Inventory items contained in the accessory container using table 15-1. Inspect the survival items contained in the accessory container in accordance with paragraph 15-28.

6. Verify the charge in the carbon dioxide cylinder by checking the sight gauge located on the inflation valve. The sight gauge is visible through the clear window located in the cover on the polymer tub. The indicator should be in the green. If the indicator is in the red on the gauge submit NAMDRP report in accordance with OPNAVINST 4790.2 Series.

7. Verify the serial number of the liferaft against the manufacturer's maintenance record card located in the pocket found on the top of the carrying case. The serial number for the liferaft is found in two locations, on the polymer tub cover and the carrying case. Note that the manufacturer's record remains with the liferaft at all times.

8. Locate the two liferaft retaining straps that encircle the polymer tub. The straps have urethane coated nylon covers, which protect the frangible links. The covers are secured with hook and pile fasteners, and two nylon anti-tamper seals routed through grommets. Inspect the integrity of the anti-tamper seals. If the frangible links are damaged or broken submit an NAMDRP report in accordance with the OPNAVINST 4790.2 Series.

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**Step 8 - Para 15-25**

9. Pack carrying case in accordance with paragraph 15-31.

**15-26. ACCEPTANCE INSPECTION.** To perform an Acceptance Inspection, proceed as follows:

**NOTE**

Acceptance Inspections may consist of checking history records and performing a visual inspection of the liferaft. The liferaft may be inducted to AIMD for further inspection if directed.

1. Locate history records for liferaft assembly. Verify expiration dates for installed equipment.

2. Visually inspect liferaft carrying case and verify serial numbers that are visible without opening liferaft. Ensure vendor's liferaft history record is located in the pocket on top of the carrying case.

3. If directed, or if record and visual inspections detect errors, induct liferaft to AIMD for 448-Day Inspection.

4. Make necessary entries on appropriate form(s) in accordance with the OPNAVINST 4790.2 Series.

**15-27. FIVE-YEAR VENDOR OVERHAUL/REPACK INSPECTION.** To perform a Five-Year Vendor Overhaul/Repack Inspection, proceed as follows:

1. Organizational:

a. Remove the liferaft assembly from the aircraft in accordance with applicable aircraft MIMS and induct to AIMD.

2. AIMD:

a. Place liferaft on clean flat surface. Open container by unsnapping snaps and separating hook and pile fasteners.

b. Locate and remove accessory container. Remove retaining line from accessory container handles by untying bowline knot. Inspect survival items in accordance with paragraph 15-28.

**NOTE**

The Accessory Container and its contents are NOT returned to the vendor with the liferaft for the vendor overhaul/repack.

c. Verify liferaft serial number against vendor's maintenance record card located in pocket on carrying case.

d. Unsnap the red ripcord handle keeper flap, place the actuation/mooring line, the ripcord handle, and the mooring snaphook in the carrying case on top of the liferaft cover.

e. Close carrying case and secure snaps and hook and pile fasteners. Place liferaft in shipping container. Preferred container is type used by vendor for shipping. If no vendor type shipping containers are available, package liferaft to ensure no damage will occur in shipping. If liferaft is damaged in shipping, vendor will add repair charges to repack inspection.

f. Order vendor overhaul/repack on VIDS MAF using stock number provided in Section 15-4.

g. AIMD shall issue spare raft from ALSS Pool while liferaft undergoes repack inspection.

h. Liferafts returned from Five-Year Vendor Overhaul/Repack Inspection shall receive a Place-in-Service Inspection prior to re-issue.

**15-28. SURVIVAL ITEMS AND ACCESSORIES INSPECTION.** To inspect survival items and accessories, proceed as follows:

**NOTE**

Refer to NAVAIR 13-1-6.5 for information on inspection/replacement and modification of survival items.

With exception of batteries, items reaching over-age while packed in survival kits and liferafts shall remain in service until the next inspection cycle of the complete assembly.

1. Inventory all accessory and survival items by checking items against table 15-1. Replace missing or unsatisfactory items.

**NOTE**

Ensure radio battery service life does not expire prior to the next scheduled calendar inspection. Refer to applicable radio maintenance publication for battery service life. Batteries which do not meet service life requirements must not be utilized and shall be turned in to supply for disposal in accordance with local instructions.

2. Inspect all items for damage, spent contents, and expired service life. Replace as necessary.

3. Operate all items which are not expended in use. Replace as necessary.

4. Pack accessory items into accessory container in accordance with paragraph 15-30.

## 15-29. PACKING.

**15-30. PACKING OF SURVIVAL ITEMS IN ACCESSORY CONTAINER.** The survival items shall be packed into the accessory container at the Place-in-Service Inspection or after removal for 448-Day Inspection by the intermediate level of maintenance. To pack accessory container, proceed as follows:

Materials Required

| Quantity | Description | Reference Number |
|---|---|---|
| As Required | Cord, Nylon, Type III | NIIN 00-240-2146 |
| As Required | Wrap, Cushioning | NIIN 00-142-9008 |
| As Required | Tape, Pressure Sensitive | NIIN 00-266-5016 |

1. Inspect survival items in accordance with paragraph 15-28. Refer to table 15-1 for items used and quantity.

**NOTE**

NAVAIR 13-1-6.5 contains information on inspection/replacement and modifications to survival items.

2. Wrap breakable survival items with either rubber-coated cloth or cushioning wrap and secure with rubber bands.

3. Stow accessories and survival items in accessory container. Pack items evenly to keep the container as flat as possible.

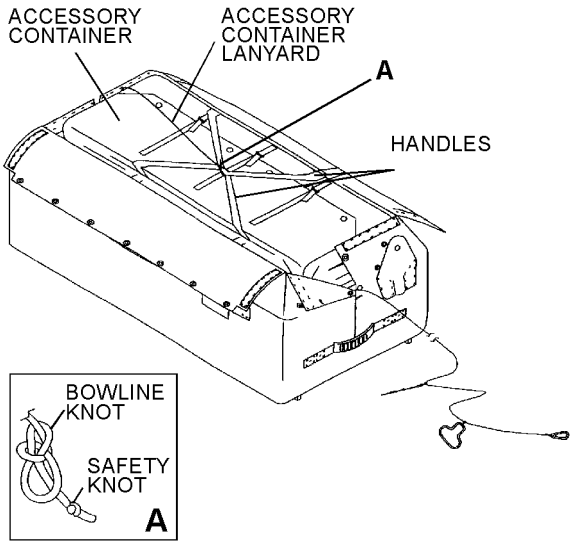
4. Tie radio(s) to accessory container tie down loops with 48-inch length of Type III nylon cord, using a bowline knot.

5. Secure latches on first aid kit with several layers of pressure sensitive tape. Using an eight-foot length of Type III nylon cord, tie an overhand knot in both ends. Wrap one end of cord two turns, twice around the first aid kit, on the inside of the latches and tie with a surgeon's knot. Route opposite end of cord to accessory container tie down loop and secure with a bowline knot. Stow first aid kit in accessory container.

**15-31. PACKING CARRYING CASE.** To pack accessory container in carrying case proceed as follows:

1. Locate accessory container retaining line where it exits tub so it is not trapped, place the packed accessory container on top of the liferaft assembly, handles up.

2. Tie the white nylon retaining line to the center handles of the accessory container using a bowline knot. Tack bowline knot with size "E" thread, one turn, secure with surgeon's and square knot. Fake any remaining line at end of container.

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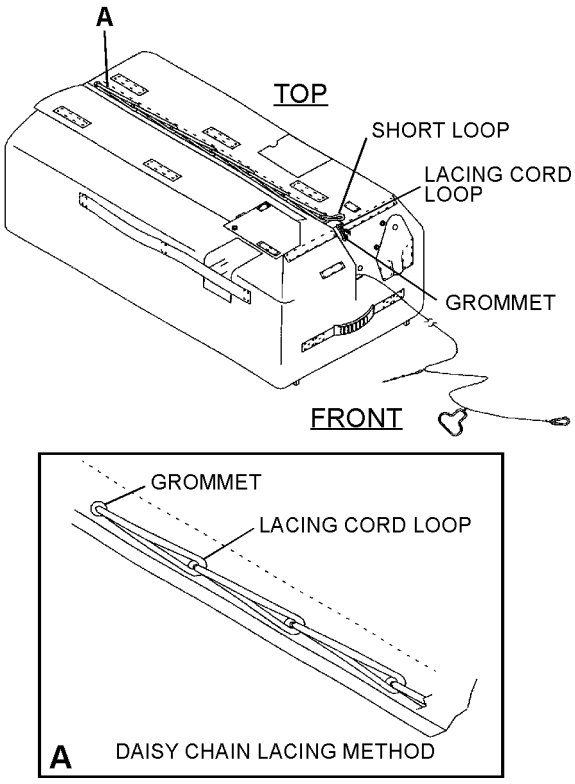
**Step 2 - Para 15-31**

3. Close the carrying case, lace the daisy chain by inserting the lacing cord loops through the grommets and interconnecting the loops. Insert the short loop through the last grommet, place the front lacing cord loop over the short loop, then place the last daisy chain lacing cord loop over the short loop, on top of the front lacing cord loop.

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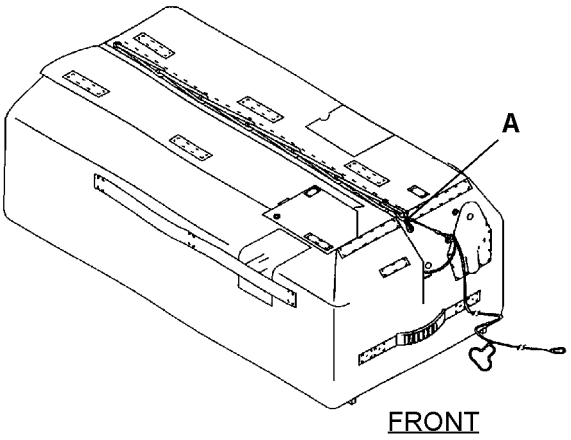
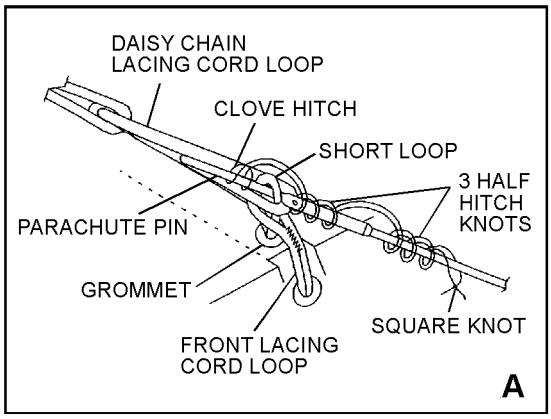
**Step 3 - Para 15-31**

4. Insert the ripcord pin between the top of the short loop and the daisy chain loop. Using "E" thread, safety tie the ripcord pin using a clove hitch, half hitches and square knot. Inspect for proper closure of daisy chain and placement of ripcord pin.

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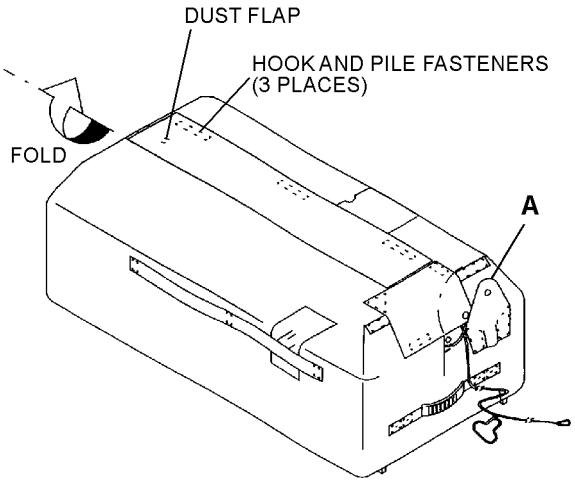
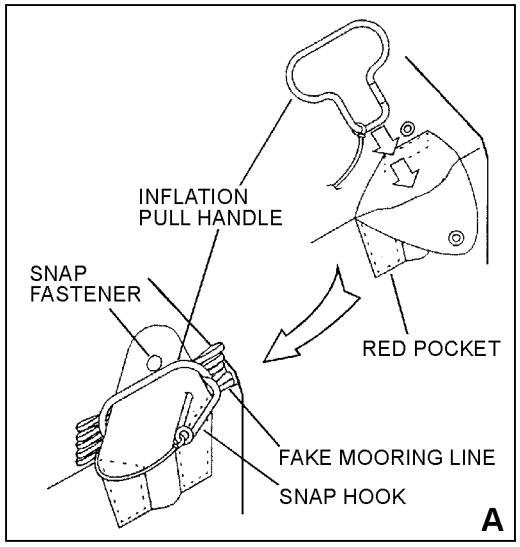
**Step 4 - Para 15-31**

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**Step 5 - Para 15-31**

5. Place ripcord handle in red pocket, carefully fake actuation/mooring line using six-inch width behind ripcord handle, close and snap ripcord keeper flap. Engage mooring snap-hook on front of keeper flap. Close remaining protective covers and secure snaps and hook and pile fasteners.

6. Make necessary entries on appropriate form(s) in accordance with the OPNAVINST 4790.2 Series.

**15-32. REMOVING AND REPACKING LIFERAFT ENCLOSURE ASSEMBLY.** To remove and replace liferaft enclosure assembly from carrying case to facilitate repairs or cleaning, proceed as follows:

### 15-33. Removing Liferaft Enclosure Assembly.

1. Place liferaft assembly on clean flat surface.

**CAUTION**

Pulling on ripcord handle or the attached actuation/mooring line will inflate liferaft.

2. Open the carrying case by unsnapping the snaps and separating the hook and pile fasteners on the protective flaps. Cut and remove the safety tie on the single ripcord pin, then remove the pin and unlace the daisy chain. Unsnap the red ripcord keeper flap and place ripcord handle, actuation/mooring line, and mooring snap hook next to carrying case.

3. Locate the accessory container on top of the liferaft assembly. It has a white nylon retaining line tied to the handles. This retaining line is attached to the liferaft, and enters the tub opposite end of the mooring/actuation line. Remove the accessory container and place it next to the liferaft assembly.

4. Untie and remove the white nylon retaining line from the accessory container handles.

5. Lift liferaft enclosure assembly from carrying case by working hand between carrying case and enclosure assembly so that the enclosure assembly tub can be lifted. Hold carrying case down while pulling upward on enclosure assembly until removed from carrying case.

6. Reposition cover on enclosure assembly tub if it was displaced during removal.

7. Perform required maintenance.

### 15-34. Repacking Liferaft Enclosure Assembly.

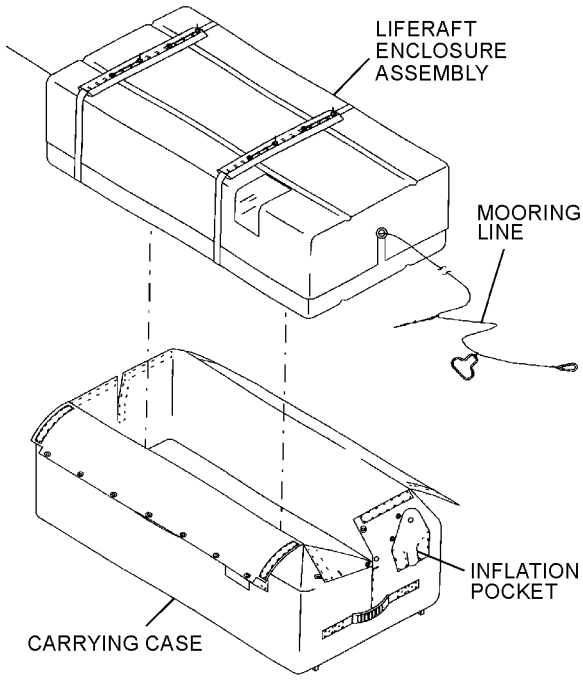
1. Ensure the bottom of the carrying case is free of FOD and sharp objects.

**CAUTION**

Pulling on ripcord handle or the attached actuation/mooring line will inflate liferaft.

2. Position carrying case and enclosure assembly so the actuation/mooring line will exit the carrying case at the ripcord end when the enclosure assembly is placed in the carrying case.

3. Place the liferaft enclosure assembly in the carrying case. Check to ensure the cover assembly was not displaced while putting the enclosure assembly in the carrying case. Check for proper routing of actuation/mooring line and accessory container retaining line.




15p34s3

**Step 3 - Para 15-34**

4. Ensure liferaft is inspected in accordance with paragraph 15-25.

## 15-35. CLEANING AND SERVICING.

**15-36. CLEANING THE LRU-34/A.** To clean the LRU-34/A, proceed as follows:

Materials Required

| Quantity | Description | Reference Number |
|---|---|---|
| As Required | Detergent, General Purpose | MIL-D-16791 NIIN 00-282-9699 |
| As Required | Cloth, Lint Free, Type II | MIL-C-85043 NIIN 00-044-9281 |

**CAUTION**

Solvents are not to be used in cleaning the LRU-34/A liferaft.

1. Dab or blot excess oil, fluid or dirt off of area being cleaned. Do not rub into material.

2. Prepare solution of detergent consisting of 1/4 to 1/2 ounce of detergent per gallon of water.

3. Clean affected area with lint free cloth or sponge.

4. Dry with lint free cloth.

### 15-37. REPAIR/REPLACEMENT.

15-38. Repair of the LRU-34/A is limited to the carrying case and accessory container. No attempt shall be made to repair the liferaft. Repair of the carrying case and accessory container are limited to replacing loose or broken stitching, and repair of minor cuts using standard shop repair practices. All repairs shall be documented by making necessary entries on appropriate forms in accordance with OPNAVINST 4790.2 Series. If the liferaft requires repair, it must be returned to the vendor. If the damage was not caused by neglect or abuse, submit an NAMDRP report in accordance with the OPNAVINST 4790.2 Series.

## Section 15-4. Illustrated Parts Breakdown

### 15-39. GENERAL.

15-40. This section lists and illustrates the assemblies and parts of the LRU-34/A, Twenty-eight Person V-22 Liferaft System.

15-41. The illustrated parts breakdown should be used during maintenance when requisitioning and identifying parts.

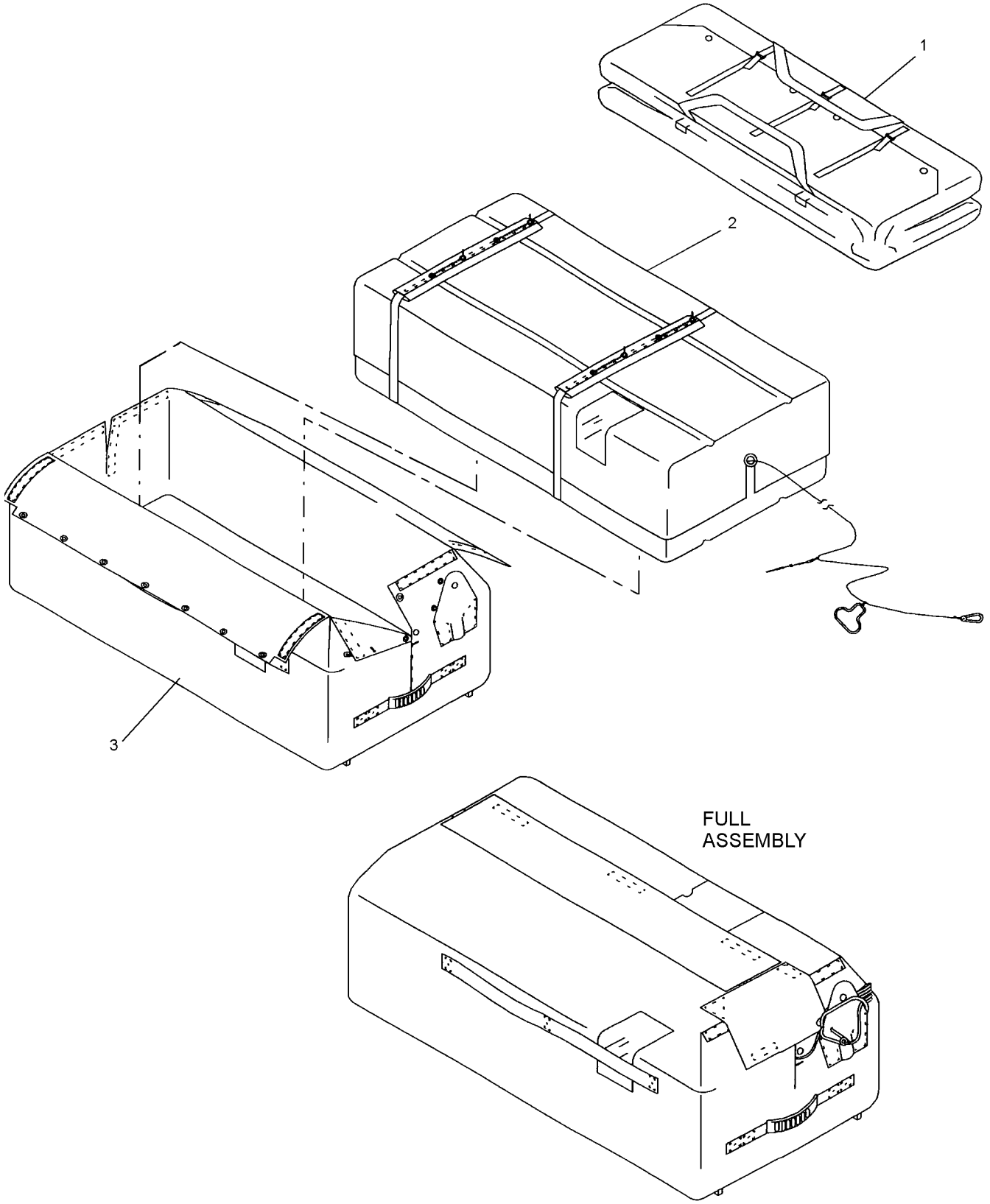



**Figure 15-2. Multi-Place Liferaft LRU-34/A**

| Figure and Index Number | Part Number | Description<br>1 2 3 4 5 6 7 | Units Per Assembly | Usable On Code |
|---|---|---|---|---|
| 15-2 | 64510-105 | LIFERAFT ASSEMBLY LRU-34/A (Note 1) . . . . . | REF | |
| -1 | 64610-103 | . SURVIVAL EQUIPMENT CONTAINER . . . . . LRU-34/A | 1 | |
| -2 | 66105-101 | . LIFERAFT AND ENCLOSURE ASSEMBLY . . . (Kydex Tub) LRU-34/A (Note 2) | 1 | |
| -3 | 66106-101 | . CARRYING CASE, Liferaft LRU-34/A . . . . . | 1 | |
| | — | FIVE YEAR OVERHAUL, Repack (Note 3) . . . . . (NSN XXXXXXXXXXXXX) | REF | |

Notes: 1. Assembly includes Liferaft, Carrying Case, and Survival Equipment Container. Survival equipment must be ordered separately.
2. Enclosure assembly consists of liferaft and tub secured with frangible links only.
3. Order Five Year Overhaul, Repack on VIDS/MAF OPNAVFORM 4790/66.